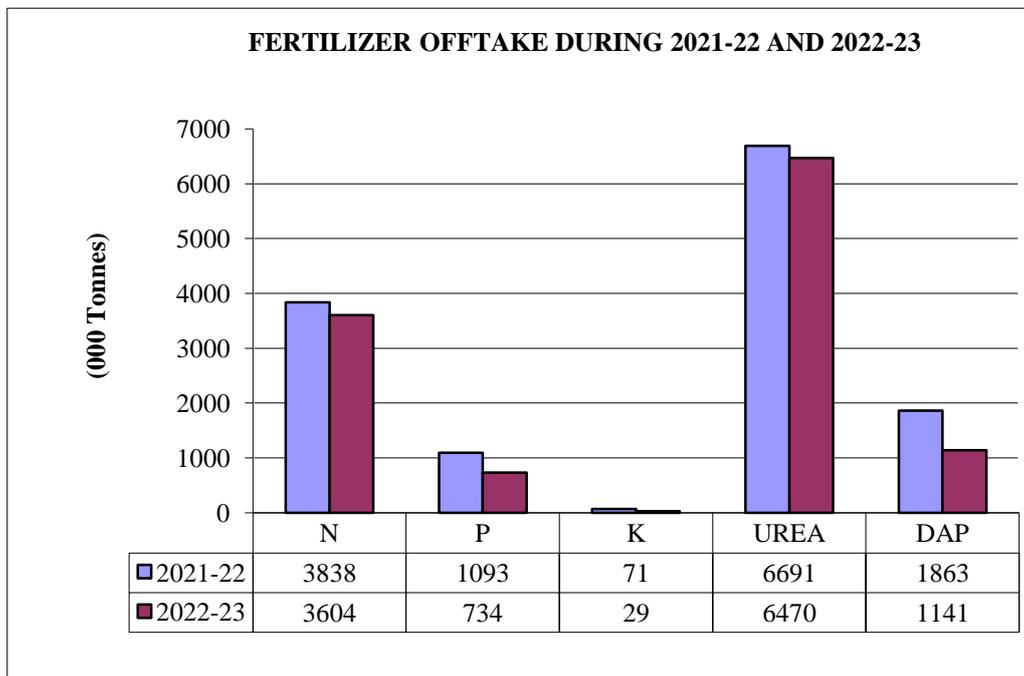




# Fertilizer Review

## 2022-23



**GOVERNMENT OF PAKISTAN**  
**MINISTRY OF NATIONAL FOOD SECURITY AND RESEARCH**  
**NATIONAL FERTILIZER DEVELOPMENT CENTRE**  
**STREET NO. 1, SECTOR H-8/1, ISLAMABAD**  
[www.nfdc.gov.pk](http://www.nfdc.gov.pk)

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The National Fertilizer Development Centre

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## **FOREWORD**

Fertilizer Review is a regular annual publication of National Fertilizer Development Centre, Ministry of National Food Security and Research. It covers fertilizer situation regarding domestic production, imports, offtake at National, Provincial and District level. Domestic and international price trends, agricultural credit and economics of fertilizer use, the agriculture and crop situation in Pakistan during 2022-23 and fertilizer and cereal supply/demand scenario at global level are also part of instant review report.

The information contained in this report is based on data provided by fertilizer manufacturers / importers, Provincial Agriculture Departments, Pakistan Bureau of Statistics and gas distribution companies. Their input is gratefully acknowledged. The efforts of NFDC staff led by Dr. Saleem Mohsan, Chief deserve appreciation. Others who contributed to the preparation of the report included Dr. Saeed Akhtar, Deputy Chief, Dr. Muhammad Islam, Dr. Ahmad Ali Khan and Mr. Baber Ali Qureshi, Assistant Chiefs and Dr. Yasir Mahmood and Mr. Ghulam Hussain, Research Officers. Mr. Sibghat Ullah, DEO deserves special appreciation for his assistance in formatting the text.

It is hoped that information contained in the “Fertilizer Review 2022-23” would be useful to those involved in policy planning, extension, research, fertilizer production, import and marketing. Any suggestion for improving the format and contents of the document will be appreciated.

**(Muhammad Mahmood)**  
**Secretary**  
**Ministry of National Food Security and Research**



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## ABBREVIATIONS USED

AS	Ammonium Sulphate
CAN	Calcium Ammonium Nitrate
DAP	Di-ammonium Phosphate
DHCL	Dawood Hercules Chemical Limited
EFERT	Engro Fertilizer Limited
FAO	Food and Agriculture Organization
FFC	Fauji Fertilizer Company Limited
FFBL	Fauji Fertilizer Bin Qasim Limited
FY	Fiscal Year
JBL	Jaffer Brothers (Pvt) Limited
K	Symbol of Potash fertilizer expressed as $K_2O$ or Potash nutrient ( $K \times 1.20 = K_2O$ )
KP	Khyber Pakhtunkhwa
MAF	Million Acre Feet
MMCF	Million Cubic Feet
MAP	Mono-Ammonium Phosphate
mm	Millimeter
MOP	Muriate of Potash
N	Nitrogen
NFDC	National Fertilizer Development Centre
NFML	National Fertilizer Marketing Limited
NP	Nitrophos
P	Symbol of phosphate fertilizer expressed as $P_2O_5$ or phosphate nutrient ( $P \times 2.29 = P_2O_5$ )
PAFL	Pak-American Fertilizer (Private) Limited
PAR	Pak-Arab Fertilizer (Private) Limited
PSFL	Pak-Saudi Fertilizer Limited (Mirpur Mathelo)
SBP	State Bank of Pakistan
SOP	Sulphate of Potash
SSP	Single Superphosphate
TCP	Trading Corporation of Pakistan
TSP	Triple Superphosphate
ZTBL	Zari Taraqiati Bank Limited



## **EXECUTIVE SUMMARY**

Fertilizer is a costly input for crop production contributing 30 to 50 per cent towards increase in crop yield while its share in cost of production of major crops is from 15 to 20 per cent. Therefore, monitoring of fertilizer supply demand and price situation has gained immense importance with respect to policy formulation and is one of the core activities of National Fertilizer Development Centre (NFDC). Highlights of fiscal year 2022-23, Kharif 2022 and Rabi 2022-23 with regard to fertilizer sector are given below.

### **Fertilizer Supply**

Overall fertilizer availability during 2022-23 was 4,787 thousand nutrient tonnes, which witnessed a decrease of 12.8 per cent over last fiscal year 2021-22. Total availability of nitrogen, phosphate and potash was 3,821, 925 and 41 thousand nutrient tonnes, respectively. Product-wise availability was; urea 6,688, DAP 1,417 and Nitrophos 1,171 thousand product tonnes. Domestic production met about 88.9 per cent of the country's requirements during 2022-23. The deficit of 11.1 per cent between production and offtake was met through imports and carry over inventory.

### **Domestic Production**

#### **Fiscal Year 2022-23**

The total domestic production of all fertilizer products during 2022-23 was 8,409 thousand tonnes compared to 9,245 thousand tonnes during 2021-22, showing a decrease of 9 per cent. Decrease in production was due to intermittent gas supplies to FFBL. Urea production during 2022-23 was 6,033 thousand tonnes (6,426 thousand tonnes in 2021-22) followed by CAN 820, NP 792, DAP 635, SSP 76, SOP 12 and NPK of various grades 40 thousand tonnes.

The production, in nutrient terms, decreased from 4,211 thousand tonnes during 2021-22 to 3,787 thousand tonnes during 2022-23 showing a decrease of 10.1 per cent. Nitrogen production was 3,287 thousand tonnes (86.8 per cent share in total nutrients production) and recorded a decrease of 7.3 per cent while phosphate production was 488 thousand tonnes (12.9 per cent share in total nutrients production), which decreased by 24.3 per cent. Potash production (in NPKs and SOP) was about 12.8 thousand tonnes (0.3 per cent share in total nutrients production) and recorded a decrease of 40.8 per cent, over 2021-22.

## **Kharif 2022 & Rabi 2022-23**

In product terms, fertilizer production increased by 1.2 per cent from 4,528 thousand tonnes in Kharif 2021 to 4,580 thousand tonnes during Kharif 2022. In nutrient terms, fertilizer production increased from 2,055 to 2,080 thousand tonnes during Kharif 2022.

Fertilizer industry experienced negative growth during Rabi 2022-23 as compared with last Rabi. In product terms, fertilizer production decreased by 15.5 per cent from 4,691 thousand tonnes to 3,965 thousand tonnes while in nutrient terms, it decreased by 17.1 per cent from 2,145 thousand tonnes to 1,777 thousand tonnes. Reduction in domestic production was due to two reasons; (i) Two SNGPL based plants were operational for three months compared to previous Rabi season when these were operational for entire season. (ii) FFBL DAP plant was kept shut down for almost half of Rabi season due to high inventory and price reduction in international market.

## **Imports**

The fertilizer imports during 2022-23 were 873 thousand product tonnes compared with 1,125 thousand tonnes during 2021-22 showing a decrease of 22.4 per cent due to less demand because of extraordinary high prices of phosphate and potash in domestic and international market. Product-wise imports were: urea 400, DAP 444, AS 12, SOP 16 and each of MOP and MAP 1 thousand tonne. The fertilizer imports were entirely handled by the private sector except urea.

Imports during Kharif 2022 were 305 thousand product tonnes against 863 thousand product tonnes during Kharif 2021, which represented a decrease of 64.7 per cent. During Rabi 2022-23, imports were 614 thousand tonnes, against 557 thousand tonnes during last Rabi, witnessing an increase of 10 per cent.

## **Offtake**

Offtake of all nutrients during 2022-23 was 4,366 thousand tonnes as compared to 5,001 thousand tonnes in 2021-22, representing a decrease of 12.7 per cent. Of this, nitrogen was 3,604 thousand tonnes, phosphate 734 thousand tonnes and potash 28.7 thousand tonnes. A decrease of 6.1 per cent was observed in nitrogen, 32.8 per cent in phosphate and 59.4 per cent in potash during 2022-23 as compared to 2021-22. Decrease in phosphate and potash offtake is attributed to extraordinary high prices and occurrence of floods. Urea offtake decreased from 6,691 thousand tonnes in 2021-22 to 6,470 thousand tonnes in 2022-23, registering a decrease of 3.3 per cent. The DAP offtake decreased from 1,863 thousand tonnes in 2021-22 to 1,141 thousand tonnes in 2022-23 i.e., 38.8 per cent.

The offtake of other products during 2022-23 was: CAN 841, NP 856, NPK's 36, SSP 65, SOP 33, MOP 10, AS 15 and MAP 2 thousand tonnes.

### **Nutrients Use Ratio**

Balanced nutrients' use is the key to determine yield and quality of crops. Nitrogen to phosphate use ratio was 4.91:1 during 2022-23 against recommended N to P ratio of 2:1. Potash use could not attain an appreciable level and needs to be looked into by the provincial agriculture departments.

### **Province-wise Offtake/Shares**

Punjab's share in overall nutrient offtake was 69.2 per cent, Sindh 23.2 per cent, Khyber Pakhtunkhwa 4.2 per cent and Balochistan 3.4 per cent during 2022-23. The overall provincial share remained more or less the same as was during the preceding years.

### **Nutrient Offtake per Hectare**

At national level, average offtake of all nutrients per hectare of gross cropped area was 182 kg during 2022-23 (207 kg/ha during 2021-22).

Average fertilizer offtake in Sindh province was the highest at 286 kg/ha of gross cropped area, followed by Punjab and KP (173 and 112 kg/ha). The fertilizer nutrient offtake was 111 kg/ha in Balochistan, during 2022-23.

### **Supply/Demand Situation during Kharif 2022 and Rabi 2022-23**

During Kharif 2022, overall product availability was about 5,765 thousand tonnes, representing a decrease of 5.7 per cent over Kharif 2021. Out of total availability, domestic fertilizer production was 4,580 thousand product tonnes, against 4,528 thousand tonnes during Kharif 2021 showing an increase of 1.2 per cent. Production of urea and DAP was 3,157 and 451 thousand tonnes, respectively during Kharif 2022. Production of urea increased by 1.6 per cent while that of DAP increased by 1.5 per cent during Kharif 2022 over Kharif 2021.

During Kharif 2022, overall fertilizer offtake was 4,410 thousand tonnes which was 14.5 per cent less than previous Kharif. Urea and DAP offtake was 3,137 and 491 thousand tonnes, respectively, registering a decrease of 3.7 per cent in case of urea and 44.8 per cent in case of DAP over Kharif 2021. Reduction in offtake of DAP was due to extraordinary high prices and occurrence of floods.

During Rabi 2022-23, total fertilizer availability was about 5,942 thousand tonnes, witnessing a decrease of 3.8 per cent over Rabi 2021-22. Share of domestic production was 3,965 thousand product tonnes, showing a decrease of 15.5 per cent as compared to Rabi 2021-22. Quantum of urea and DAP produced during Rabi 2022-23 was 2,927 and 226 thousand tonnes, respectively.

The total fertilizer offtake in Rabi 2022-23 was 5,181 thousand tonnes compared to 5,306 thousand tonnes in Rabi 2021-22 representing a decrease of 2.4 per cent. Offtake of urea and DAP was 3,469 and 710 thousand tonnes, respectively. Urea offtake increased by 4.5 per cent while that of DAP decreased by 23.4 per cent, over previous Rabi 2021-22.

### **Prices**

Prices of nitrogenous fertilizers increased while that of phosphate and potash decreased during 2022-23. The average price of urea (Sona), urea (other) and CAN was Rs. 2,695, Rs. 2,603 and Rs. 2,461 per 50 kg bag, respectively while average price of DAP, NP and SOP remained around Rs. 10,924, Rs. 6,293 and Rs. 13,589 per 50 kg bag, respectively.

The prices of both urea and DAP registered downward trend in international markets during 2022-23. The average price of urea in Middle East and China was US \$ 452.6 and US \$ 450.3 per tonne FOB, respectively. The average price of DAP in China was US \$ 675.8 per tonne FOB while in Australia, it was around US \$ 663.9 per tonne FOB.

### **Natural Gas Consumption**

About 255,860 million cubic feet gas was consumed by fertilizer plants during the fiscal year 2022-23. The major portion (82.7 per cent) of this was used as feed stock and 17.3 per cent was used as fuel.

### **Global Fertilizer Situation**

The world fertilizer consumption data depicts that fertilizer consumption remained around 185.1 million nutrient tonnes in 2022-23 compared to 194.7 million nutrient tonnes during 2021-22. The decrease in consumption of nitrogen, phosphate and potash at global level is estimated by 2.9, 5.2 and 10.1 per cent, respectively during 2022-23 as compared to 2021-22 mainly as a result of higher fertilizer prices in international market.

### **Economics of Fertilizer Use**

Due to variation in prices of fertilizers and major crops, benefit cost ratio of farmer changes with passage of time. The average price of urea during Kharif 2022 increased by

Rs. 475 and DAP by Rs. 5,365 per bag of 50 kg over Kharif 2021. During Rabi 2022-23, an increase of Rs. 706 in price of urea and Rs. 2,067 per 50 kg bag in price of DAP was observed over Rabi 2021-22. Support price of wheat was enhanced from Rs. 2200 per 40 kg to Rs. 3900 per 40 kg during 2022-23 while support price for seed cotton and sugarcane remained at previous year level. Market prices of major crops such as wheat, paddy (both IRRI and Basmati), seed cotton and sugarcane also increased by Rs. 1666, Rs. 56, Rs. 2056 and Rs. 60 per 40 kg, respectively. Resultantly, nitrogen from urea remained cheaper for wheat at both support and market price while for basmati rice and seed cotton at market price only. Price of DAP touched record high level and consequently, phosphate from DAP remained costlier for all major crops except wheat in terms of kg required to buy 1 kg of N from urea or P<sub>2</sub>O<sub>5</sub> from DAP.

#### **Demand Forecast: Outlook 2023-24**

Fiscal Year 2022-23 was abnormal year with respect to fertilizer offtake due to occurrence of floods and extraordinary high prices of phosphate and potash. Consequently, nitrogen, phosphate and potash offtake decreased by 6.1, 32.8 and 59.4 per cent, respectively. However, recovery in fertilizer offtake is projected during 2023-24 and positive growth in fertilizer demand is forecasted for all fertilizer nutrients. Nitrogen offtake is expected to increase by 8 per cent, phosphate by 39.4 while potash by 59.9 per cent, due to increase in market price of agriculture commodities.

#### **Agriculture and Crop Scenario during 2022-23**

Agriculture contributes 22.9 per cent to GDP and provides employment to around 37.4 per cent of the labour force. The agriculture sector grew by 1.55 per cent during 2022-23. The production of important crops (wheat, rice, sugarcane, maize and cotton) declined by 3.20 per cent during the year mainly due to floods as a result of heavy monsoon spell during July and August 2022. The production of maize increased by 15.3 per cent to 10,985 thousand tonnes from 9,525 thousand tonnes due to increase in area and availability of improved varieties' seed. Wheat showed growth of 7.4 per cent and reached record high production level of 28,161 thousand tonnes compared to 26,209 thousand tonnes last year. The production of sugarcane decreased by 0.8 per cent to 87,981 thousand tonnes from 88,650 thousand tonnes and rice by 18.6 per cent to 7,589 thousand tonnes from 9,323 thousand tonnes. Production of cotton crop declined by 24.3 per cent to 6,301 thousand bales from 8,329 thousand bales last year due to heavy monsoon rains, floods and pest attack. Other crops having a share of 14.49 per cent to agriculture value addition and 3.32 per cent to GDP, showed growth of 0.23 per cent because of increase in production of oilseeds by 53 per cent as a result of more area sown.



## **1. INTRODUCTION**

Fertilizer Review 2022-23, covers different aspects of fertilizer sector like production, import, offtake and prices by season and year at provincial and national level. Fertilizer prices prevailing in major domestic and international markets during 2022-23 have been reported. Market shares of different fertilizer agencies by product have also been indicated in the document. Economics of fertilizer use for different crops and short-term demand estimates have been included also.

## **2. FERTILIZER AVAILABILITY**

### **2.1 Domestic production**

Overall fertilizer production remained 8,409 thousand tonnes during 2022-23 which was 9 per cent less than previous year (Table 1). Less fertilizer production was due to intermittent gas supply to FFBL. Domestic production in terms of fertilizer nutrient decreased by 10.1 per cent i.e., from 4,211 in 2021-22 to 3,787 thousand nutrient tonnes in 2022-23. Out of total domestic production, 3,287 thousand nutrient tonnes (86.8 per cent share) was nitrogen, 488 thousand nutrient tonnes (12.9 per cent share) was phosphate and 12.8 thousand nutrient tonnes was potash.

Seven products; Urea, Calcium ammonium nitrate (CAN), Nitrophos (NP), Single super phosphate (SSP), Diammonium phosphate (DAP) and Sulphate of Potash (SOP) are manufactured in the country whereas different grades of NPKs are also formulated / blended in small quantities. Urea is the leading nitrogenous fertilizer with share of 71.7 per cent in total fertilizer production. The share of other products was: CAN (9.8 per cent), NP (9.4 per cent), DAP (7.56 per cent), SSP (0.91 per cent), NPKs various grades (0.48 per cent) and SOP (0.15 per cent).

The urea plants produced 95 per cent of their installed capacity whereas overall performance of all fertilizer plants was 89 per cent. The products manufactured during 2022-23, were urea 6,033, CAN 820, NP 792, DAP 635, SSP 76, SOP 12 and NPK's of various grades 40 thousand tonnes. The detailed month-wise fertilizer production by product, nutrient and manufacturer is given in Annex-1.

### **2.2 Imports**

The gap between demand and domestic production is met through imports which is handled by private sector except urea. Urea is occasionally imported by Government (as 90-95 per cent of the demand is met through local production) to keep the price of local and imported urea at par.

Domestic production met about 88.9 per cent of total fertilizer requirements during 2022-23 (89.1 per cent during 2021-22) and the gap between demand and domestic production (11.1 per cent) was met through imports (Table 5). A total quantity of 873 thousand tonnes of various products (479 thousand tonnes in terms of nutrients), was made available through imports (Table 2). Volume of imported fertilizers reduced by 22.4 per cent in product terms due to less demand because of extraordinary high prices of phosphate and potash in domestic and international market.

**Table 1. Domestic fertilizer production during 2022-23**

Products	Manufacturer	Annual Production capacity ('000 t)	2021-22		2022-23		Per cent change Over 2021-22	Production as % of installed capacity during 2022-23
			Production ('000 t)	Per cent share	Production ('000 t)	Per cent share		
<b>PRODUCTS</b>								
Urea	Fatima Fert (DHCL)	445	364	3.94	377	4.5	4	85
Urea	EFERT	2275	2153	23.29	1951	23.2	-9	86
Urea (PFL)	PAK ARAB	99	94	1.02	87	1	-7	88
Urea (PAFL)	Agri Tech (Pvt.) Ltd.	429	286	3.09	275	3.3	-4	64
Urea (prilled)	FFC	1330	1669	18.05	1584	18.8	-5	119
Urea (granular)	FFBL	551	533	5.77	444	5.3	-17	81
Urea (PSFL)	FFC	718	893	9.66	821	9.8	-8	114
Urea	Fatima Fertilizer Co	500	435	4.70	494	5.9	14	99
<b>Urea</b>	<b>Total</b>	<b>6347</b>	<b>6426</b>	<b>69.51</b>	<b>6033</b>	<b>71.7</b>	<b>-6.1</b>	<b>95.0</b>
CAN (PAR)	PAK ARAB	450	357	3.86	322	3.8	-10	72
CAN	Fatima Fertilizer Co	470	469	5.07	498	5.9	6	106
<b>CAN</b>	<b>Total</b>	<b>920</b>	<b>826</b>	<b>8.9</b>	<b>820</b>	<b>9.8</b>	<b>-0.7</b>	<b>89</b>
NP(PAR)	PAK ARAB	330	367	4	325	3.86	-11	98
NP	EFERT	40	68	0.74	51.4	0.61	-25	129
NP	Fatima Fertilizer Co	490	467	5.05	416	4.95	-11	85
<b>NP</b>	<b>Total</b>	<b>860</b>	<b>902</b>	<b>9.8</b>	<b>792</b>	<b>9.4</b>	<b>-12.1</b>	<b>92</b>
DAP-SONA	FFC	675	897	9.70	635	7.56	-29.1	94
SSP	LCFL (Al Hamd)*	108	-	-	-	-	-	-
SSP	Agritech Limited	147	67	0.73	70	0.83	4.1	48
SSP	Suraj Fertilizer	150	30	0.33	6.1	0.07	-79.9	4
SSP	Safi Chemicals	40	4	0.04	0.1	0.00	-97	0.3
<b>SSP</b>	<b>Total</b>	<b>445</b>	<b>101</b>	<b>1.10</b>	<b>76</b>	<b>0.91</b>	<b>-24.7</b>	<b>17</b>
SOP	Pacific Exim Pvt. Ltd.	10	15	-	12	0.15	-17	122
NPK (Various Grades)	EFERT	120	78	0.85	40	0.48	-49	33
NPK	Safi Chemicals	40	-	-	-	-	-	-
<b>All Products</b>	<b>Total</b>	<b>9417</b>	<b>9245</b>	<b>100</b>	<b>8409</b>	<b>100</b>	<b>-9.0</b>	<b>89</b>
<b>NUTRIENTS</b>								
	Nitrogen		3545	84.2	3287	86.8	-7.3	
	Phosphate		644	15.3	488	12.9	-24.3	
	Potash		21.7	0.5	12.8	0.3	-40.8	
	<b>Total</b>		<b>4,211</b>	<b>100</b>	<b>3787</b>	<b>100</b>	<b>-10.1</b>	

\* LCFL plant has been shut down by the owner since May 2016.

Out of total fertilizer imports, DAP has the major share of 51 per cent. Quantitatively, imports were: Urea 400, DAP 444, AS 12 and SOP 16 thousand tonnes. Volume of MAP and MOP import was one thousand tonne each. The data are summarized in Table 2 and month-wise details are shown in Annex-2.

**Table 2. Fertilizer imports during 2022-23**

('000 tonnes)

Products	Imports				2022-23		Per cent change over 2021-22
	2018-19	2019-20	2020-21	2021-22	Imports	Per cent share	
<b>PRODUCTS</b>							
Urea	105	101	-	100	400	46	299
DAP	1511	1211	1263	894	444	51	-50
SSP	23	-	-	-	-	-	-
SOP	47	20	36	42	16	2	-62
NP	14	-	-	-	-	-	-
MOP	26	24	54	43	1	-	-99
AS	59	93	92	21	12	1.3	-46
TSP	-	-	-	-	-	-	-
MAP	28	41	11	25	1	-	-96
<b>All Products</b>	<b>1,813</b>	<b>1,490</b>	<b>1,454</b>	<b>1,125</b>	<b>873</b>	<b>100</b>	<b>-22.4</b>
<b>NUTRIENTS</b>							
Nitrogen	339	288	248	214	266	56	24
Phosphate	716	578	586	423	205	43	-52
Potash	39	24	50	47	8	1.7	-82
<b>Total</b>	<b>1,093</b>	<b>890</b>	<b>884</b>	<b>684</b>	<b>479</b>	<b>100</b>	<b>-29.9</b>

*Note Quantities less than one thousand tonnes are not reported in this Table.*

### 3. FERTILIZER OFFTAKE DURING 2022-23

#### 3.1 Offtake by nutrients

Total fertilizer offtake of all nutrients (N+P<sub>2</sub>O<sub>5</sub>+K<sub>2</sub>O) was 4,366 thousand tonnes during 2022-23 as compared with 5,001 thousand tonnes during 2021-22 which witnessed a decrease of 12.7 per cent. Nitrogen offtake decreased by 6.1 per cent, while that of phosphate and potash offtake decreased by 32.8 and 59.4 per cent, respectively. Decrease in phosphate and potash offtake is attributed to extraordinary high prices and occurrence of floods.

Total nutrients offtake during 2022-23, compared with the last four years is given in Table 3 and details are in Annex-3.

**Table 3. Nutrients offtake during 2022-23 compared with previous years**

('000 tonnes)

Nutrient	2018-19	2019-20	2020-21	2021-22	2022-23
Nitrogen	3,408	3,415	3,711	3,838	3,604
Phosphate	1,153	1,084	1,228	1,093	734
Potash	53.4	50.2	69.3	70.9	28.8
<b>Total</b>	<b>4,614</b>	<b>4,549</b>	<b>5,008</b>	<b>5,001</b>	<b>4,366</b>
Per cent change		-1.4	10.1	-0.1	-12.7
N:P Ratio	2.95	3.15	3.02	3.51	4.91

### 3.2 Province-wise nutrient share and offtake

Overall fertilizer nutrient offtake decreased by 12.7 per cent (Table 4). A decrease of 15.9, 12.9 and 9.4 per cent was observed in Sindh, Punjab and Balochistan, respectively. An increase of 8 per cent was observed in KP.

At national level, nitrogen offtake during 2022-23 decreased by 6.1 per cent compared with last year. Nitrogen offtake decreased by 5.8, 10 and 8.3 per cent in Punjab, Sindh and Balochistan, respectively whereas it increased by 13.8 per cent in KP.

Phosphate offtake decreased by 32.8 per cent at national level during 2022-23 as compared to 2021-22. At provincial level, offtake decreased by 33.7, 35.7, 12.7 and 11.5 per cent in Punjab, Sindh, KP and Balochistan, respectively. Potash offtake decreased by 59.4 per cent at national level as compared to 2021-22. Its offtake decreased by 58.2, 65.1, 36.9 and 63.7 per cent in Punjab, Sindh, KP and Balochistan, respectively as compared to last year. The detailed month-wise, province-wise data are presented in Annex-4.

Based on five-year average, the share of Punjab in overall nutrient offtake was 69.2 per cent, followed by Sindh 23.2 per cent, KP 4.2 per cent and Balochistan 3.4 per cent. The N to P use ratio was better (4.12:1) in Balochistan compared to other provinces. It is important to note that the provincial share in total nutrient offtake remained more or less the same.

**Table 4. Province-wise nutrient offtake during 2022-23 compared with previous seasons**

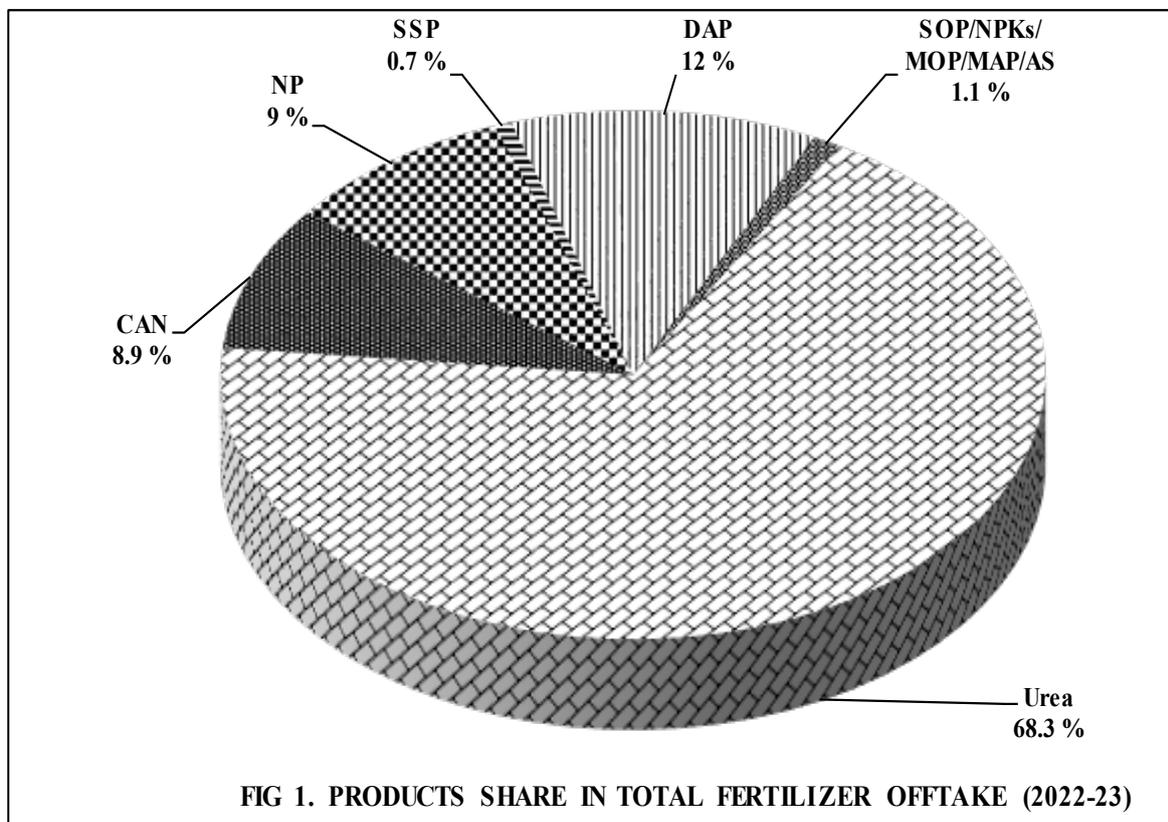
('000 tonnes)

Province	2018-19	2019-20	2020-21	2021-22	2022-23	Per cent change over 2021-22	Provincial Share (%) 5 -Year Avg.	N to P ratio (2022-23)
<b>Total</b>								
Punjab	3,172.8	3,080	3,535	3,478	3,031	-12.9	69.2	4.75
Sindh	1,123.0	1,077	1,068	1,188	999	-15.9	23.2	5.55
KP	178.0	197	225	187	202	8.0	4.2	5.23
Balochistan	140.2	193	180	148	134	-9.4	3.4	4.12
<b>Total</b>	<b>4,614</b>	<b>4,549</b>	<b>5,008</b>	<b>5,001</b>	<b>4,366</b>	<b>-12.7</b>	<b>100</b>	<b>4.91</b>
Per cent change over previous year		-1.4	10.1	-0.1	-12.7			
<b>Nitrogen</b>								
Punjab	2,323	2,290	2,600	2,638	2,487	-5.8	68.6	
Sindh	849.8	831.9	796.9	934.6	841.4	-10.0	23.7	
KP	133.8	150.7	173.3	148.2	168.7	13.8	4.3	
Balochistan	100.4	141.8	140.3	116.8	107.1	-8.3	3.4	
<b>Total</b>	<b>3,408</b>	<b>3,415</b>	<b>3,711</b>	<b>3,838</b>	<b>3,604</b>	<b>-6.1</b>	<b>100</b>	
Per cent change over previous year		0.2	8.7	3.4	-6.1			
<b>Phosphate</b>								
Punjab	810	752	882	791	524	-33.7	71.0	
Sindh	264	238	260	236	152	-35.7	21.7	
KP	40.6	43.9	47.8	36.9	32.2	-12.7	3.8	
Balochistan	38.0	49.9	38.1	29.4	26.0	-11.5	3.4	
<b>Total</b>	<b>1,153</b>	<b>1,084</b>	<b>1,228</b>	<b>1,093</b>	<b>734</b>	<b>-32.8</b>	<b>100.0</b>	
Per cent change over previous year		-6.0	13.3	-11.0	-32.8			
<b>Potash</b>								
Punjab	39	38	53	50	21	-58.2	73.5	
Sindh	9	7	11	18	6	-65.1	18.8	
KP	3.6	2.9	3.6	2.1	1.3	-36.9	5.0	
Balochistan	1.8	1.8	1.9	1.4	0.5	-63.7	2.7	
<b>Total</b>	<b>53.4</b>	<b>50.2</b>	<b>69.3</b>	<b>70.9</b>	<b>28.8</b>	<b>-59.4</b>	<b>100</b>	
Per cent change over previous year		-6.0	38.0	2.3	-59.4			

### 3.3 Offtake by product

During 2022-23, a total quantity of 9,468 thousand tonnes was sold by marketing agencies, showing a decrease of 10.4 per cent over last year (Table 5). Offtake of domestically produced products was 8,419 thousand tonnes, representing a decrease of 10.5 per cent. Offtake of imported products was about 1,049 thousand tonnes, showing a decrease of 8.8 per cent over last year.

Among products, share of urea was 68.3 per cent, followed by DAP (12.0 per cent), NP (9.0 per cent), CAN (8.9 per cent), SSP (0.7 per cent) and other products (1.1 per cent) (**Figure 1**). Consolidated month-wise, product-wise and nutrient-wise offtake during 2021-22 and 2022-23 is given in Annex-5.



### 3.3.1 Nitrogen to phosphate imbalance

Nitrogen share in total nutrients offtake was 82.5 per cent during 2022-23 (76.7 per cent during 2021-22), phosphate had 16.8 per cent share (21.8 per cent during 2021-22) and potash 0.7 per cent (1.4 per cent during 2021-22). The N to P ratio in 2021-22 was 3.51 which further widened to 4.91 in 2022-23, leading to imbalance fertilizer use.

### 3.4 Province-wise Urea and DAP offtake during 2022-23

Urea accounted for the largest share of 68.3 per cent in total product offtake in the country (Table 5). Its offtake decreased by 3.3 per cent at national level over the year 2021-22. At provincial level, urea offtake decreased by 3.1, 6.6 and 9.1 per cent in Punjab, Sindh and Balochistan, respectively where as its offtake increased by 16.1 per cent in KP (Table 6).

DAP offtake during 2022-23, decreased by 38.8 per cent at national level. DAP offtake in Punjab, Sindh, KP and Balochistan decreased by 40.1, 38, 27.6 and 19.2 per cent, respectively at provincial level as compared to last fiscal year.

**Table 5. Product-wise fertilizer offtake during 2022-23**

('000 tonnes)

Products	Offtake during 2021-22	Per cent Share	Offtake during 2022-23	Per cent Share	Per cent change over 2021-22
Urea domestic	6,676	63.2	5,985	63.2	-10.4
Urea Imported	14	0.1	485	5.1	-
<b>Total Urea</b>	<b>6,691</b>	<b>63.4</b>	<b>6,470</b>	<b>68.3</b>	<b>-3.3</b>
CAN domestic	820	7.8	841	8.9	2.6
NP Imported	-	-	-	-	0.0
NP domestic	838	7.9	856	9.0	2.2
<b>Total NP</b>	<b>838</b>	<b>7.9</b>	<b>856</b>	<b>9.0</b>	<b>2.2</b>
SSP domestic	107	1.0	65	0.7	-39.6
SSP Imported	-	-	-	-	-
DAP domestic	871	8.2	624	6.6	-28.4
DAP Imported	992	9.4	517	5.5	-47.9
<b>Total DAP</b>	<b>1,863</b>	<b>17.6</b>	<b>1,141</b>	<b>12.0</b>	<b>-38.8</b>
SOP domestic	10	0.1	13	0.1	29
SOP Imported	33	0.3	20	0.2	-39.2
NPK's	88	0.8	36	0.4	-59.2
MOP Imported	56	0.5	10	0.1	-82
MAP Imported	23	0.2	2	0.0	-89
AS	33	0	15	0.2	-54
<b>Grand Total</b>	<b>10,561</b>	<b>100.0</b>	<b>9,468</b>	<b>100.0</b>	<b>-10.4</b>
<b>Total domestic</b>	<b>9,410</b>	<b>89.1</b>	<b>8,419</b>	<b>88.9</b>	<b>-10.5</b>
<b>Total Imported</b>	<b>1,151</b>	<b>10.9</b>	<b>1,049</b>	<b>11.1</b>	<b>-8.8</b>

**A. DOMESTIC**

Nitrogen	3,643	72.8	3,284	75.2	-9.8
Phosphate	624	12.5	495	11.3	-20.8
Potash	21	0.4	13	0.3	-38.2
<b>Total</b>	<b>4,288</b>	<b>86</b>	<b>3,792</b>	<b>86.8</b>	<b>-11.6</b>

**B. IMPORTED**

Nitrogen	195	3.9	320	7.3	64.1
Phosphate	468	9.4	239	5.5	-48.9
Potash	50	1.0	16	0.4	-68.3
<b>Total</b>	<b>713</b>	<b>14</b>	<b>574</b>	<b>13.2</b>	<b>-19.4</b>

**C. TOTAL**

Nitrogen	3,838	76.7	3,604	82.5	-6.1
Phosphate	1,093	21.8	734	16.8	-32.8
Potash	70.9	1.4	28.7	0.7	-59.4
<b>Total</b>	<b>5,001</b>	<b>100.0</b>	<b>4,366</b>	<b>100</b>	<b>-12.7</b>

As far as provincial shares in urea offtake are concerned, Punjab share on five years average was 67.9, Sindh 23.9, KP 4.7 and Balochistan 3.5 per cent. Punjab share in DAP offtake was 71.8 per cent, followed by Sindh 21.3, KP 3.5 and Balochistan 3.3 per cent (Table 6). It may be pointed out that the pattern of offtake in all provinces remained more or less the same.

Province-wise summarized data in respect of urea and DAP during 2022-23, compared with last five years are presented in Table 6. Detailed province-wise and product-wise offtake data for all products are given at Annex-6 and 7.

**Table 6. Province-wise offtake of urea and DAP during 2022-23 compared with previous years**

Province	2018-19	2019-20	2020-21	2021-22	2022-23	Per cent change over 2021-22	(‘000 tonnes)
							Provincial share (Average of 5 years) Per cent
<b>UREA</b>							
Punjab	4,021	3,992	4335	4565	4425	-3.1	67.9
Sindh	1520	1491	1,348	1,630	1,522	-6.6	23.9
KP	250	282	326	285	330	16.1	4.7
Balochistan	180	251	258	212	193	-9.1	3.5
<b>Total</b>	<b>5,970</b>	<b>6,015</b>	<b>6,267</b>	<b>6,691</b>	<b>6,470</b>	<b>-3.3</b>	<b>100.0</b>
Per cent change over previous year		0.8	4.2	6.8	-3.3		
<b>DAP</b>							
Punjab	1,563	1,395	1576	1369	820	-40.1	71.8
Sindh	490	422	450	391	242	-38.0	21.3
KP	75	73	79	59	43	-27.6	3.5
Balochistan	72	93	65	44	36	-19.2	3.3
<b>Total</b>	<b>2,200</b>	<b>1,984</b>	<b>2,170</b>	<b>1,863</b>	<b>1,141</b>	<b>-38.8</b>	<b>100.0</b>
Per cent change over previous year		-9.8	9.4	-14.2	-38.8		

#### 4. SUPPLY/DEMAND SITUATION DURING 2022-23

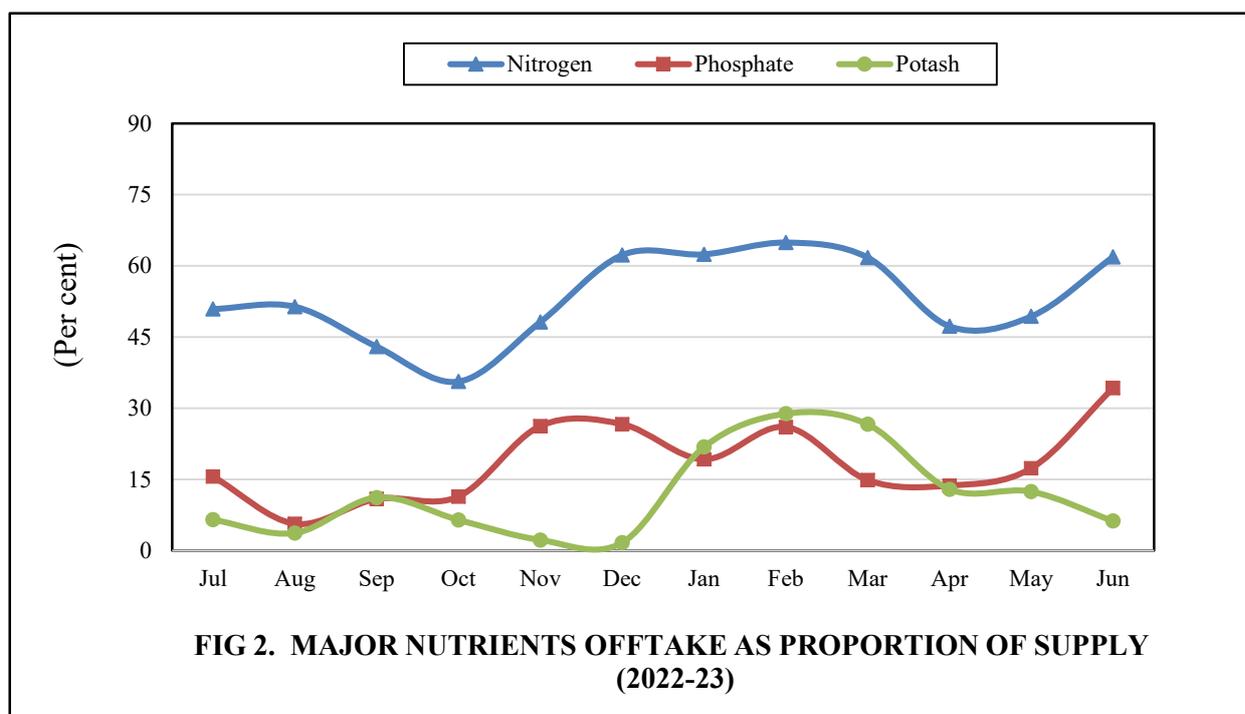
The fertilizer availability/supply includes factory stocks, stocks at warehouses of both public and private sector, domestic production and imported products delivered from Karachi and Gawadar during the month/cropping season/year. This information provides a fair basis of total fertilizer availability in the country.

There are no hard and fast rules to arrive at comfortable or tight fertilizer supply / demand situation. A tool which is used to monitor the fertilizer supply/demand situation is its offtake in the proportion of availability. Based on past and present available experience, it has been observed that in order to have comfortable situation, the monthly nitrogen offtake level should not cross 80 per cent of total availability level and in the case of phosphate 70 per cent works

well. These are rough indicators, but due to induction of private sector, supplies move fast and the requirements are met quickly. The nutrient-wise supply/demand and product wise supply/demand situation of urea, DAP and nitrophos are presented in the following sub sections.

#### 4.1 Nutrient-wise supply/demand situation during 2022-23

The year 2022-23 had an opening inventory of 520 thousand nutrient tonnes. Domestic production was 3,787 thousand nutrient tonnes and imports were 479 thousand nutrient tonnes. Total availability was 4,787 thousand nutrient tonnes (Table 7). Total nutrient offtake during 2022-23 was 4,366 thousand nutrient tonnes as compared to 5,001 thousand nutrient tonnes in 2021-22, showing a decrease of 12.7 per cent. Data in Table 8 reveal that nitrogen offtake as proportion of supply did not cross 80 per cent mark during whole year hence, reflecting a comfortable situation. The closing (national inventory) balance was 427 thousand tonnes (Table 7), which was lower as compared to previous year 2021-22. Month-wise nutrient offtake as proportion of total availability is presented in **Figure 2** (Table 8).



#### 4.2 Product-wise Urea, DAP and Nitrophos supply/demand situation during 2022-23

Urea, DAP and nitrophos are the most commonly used fertilizers among farming communities as source of nitrogen and phosphate. During 2022-23, urea share was 68.3 per cent, DAP 12.0 per cent and nitrophos 9 per cent (Table 5). The offtake of these products as proportion of supply is presented in **Figure 3**.

The supply/demand situation in respect of urea, DAP and nitrophos is briefly discussed in the following sub sections.

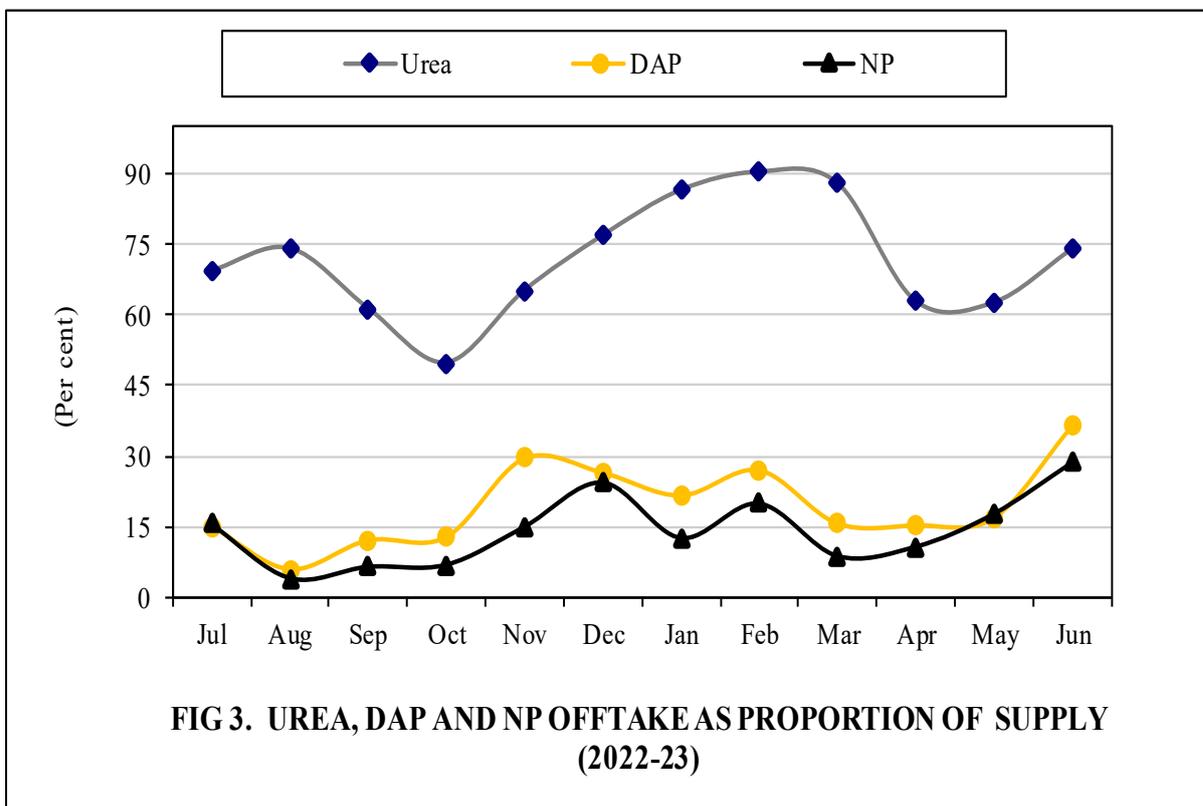
**Table 7. Fertilizer supply/demand situation during 2022-23**

Description	('000 tonnes)						
	Nitrogen	Phosphate	Potash	Total	Urea	DAP	Nitrophos
Opening Balance	268	232	20	520	256	337	379
	(342)	(234)	(18)	(594)	(432)	(353)	(314)
Domestic production	3,287	488	13	3,787	6,033	635	792
	(3,545)	(644)	(22)	(4,211)	(6,426)	(897)	(902)
Imports	266	205	8	479	400	444	-
	(214)	(423)	(47)	(684)	(100)	(894)	-
<b>Total Availability</b>	<b>3,821</b>	<b>925</b>	<b>41</b>	<b>4,787</b>	<b>6,688</b>	<b>1,417</b>	<b>1,171</b>
	(4,101)	(1,301)	(86)	(5,488)	(6,958)	(2,143)	(1,216)
Offtake	3,604	734	28.8	4,366	6,470	1,141	856
	(3,838)	(1,093)	(71)	(5,001)	(6,691)	(1,863)	(838)
Adjustments (+/-)	3	4	0.2	7	-2.9	-0.9	16.6
National Inventory	220	195	12	427	215	275	332
	(268)	(232)	(20)	(520)	(256)	(337)	(379)

Note: Figures in parenthesis are for 2021-22.

**Table 8. Total supply and offtake of fertilizer nutrients during 2022-23**

Months	Total availability ('000 tonnes)			Offtake ('000 tonnes)			Offtake as proportion of availability (per cent)		
	Nitrogen	Phosphate	Potash	Nitrogen	Phosphate	Potash	Nitrogen	Phosphate	Potash
Jul-22	514	300	23	262	47	1.5	51	16	6
Aug-22	551	305	19	283	17	0.7	51	6	4
Sep-22	614	352	21	264	38	2.3	43	11	11
Oct-22	659	384	25	235	44	1.6	36	11	6
Nov-22	729	501	26	351	132	0.6	48	26	2
Dec-22	775	402	26	482	107	0.4	62	27	2
Jan-23	545	315	28	340	60	6.1	62	19	22
Feb-23	436	268	22	283	70	6.5	65	26	29
Mar-23	422	240	17	260	36	4.6	62	15	27
Apr-23	475	246	15	224	34	1.9	47	14	13
May-23	530	278	14	262	48	1.7	49	17	12
Jun-23	577	296	13	357	101	0.8	62	34	6



#### 4.2.1 Urea supply/demand situation during 2022-23

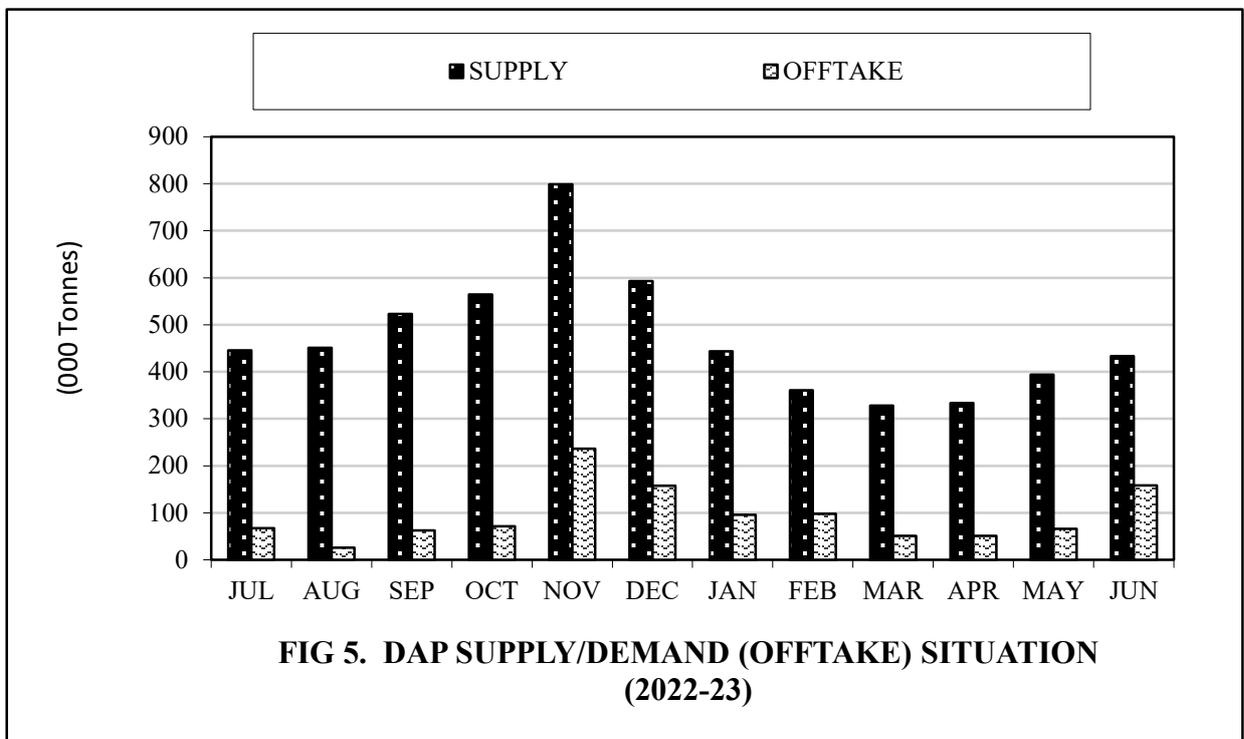
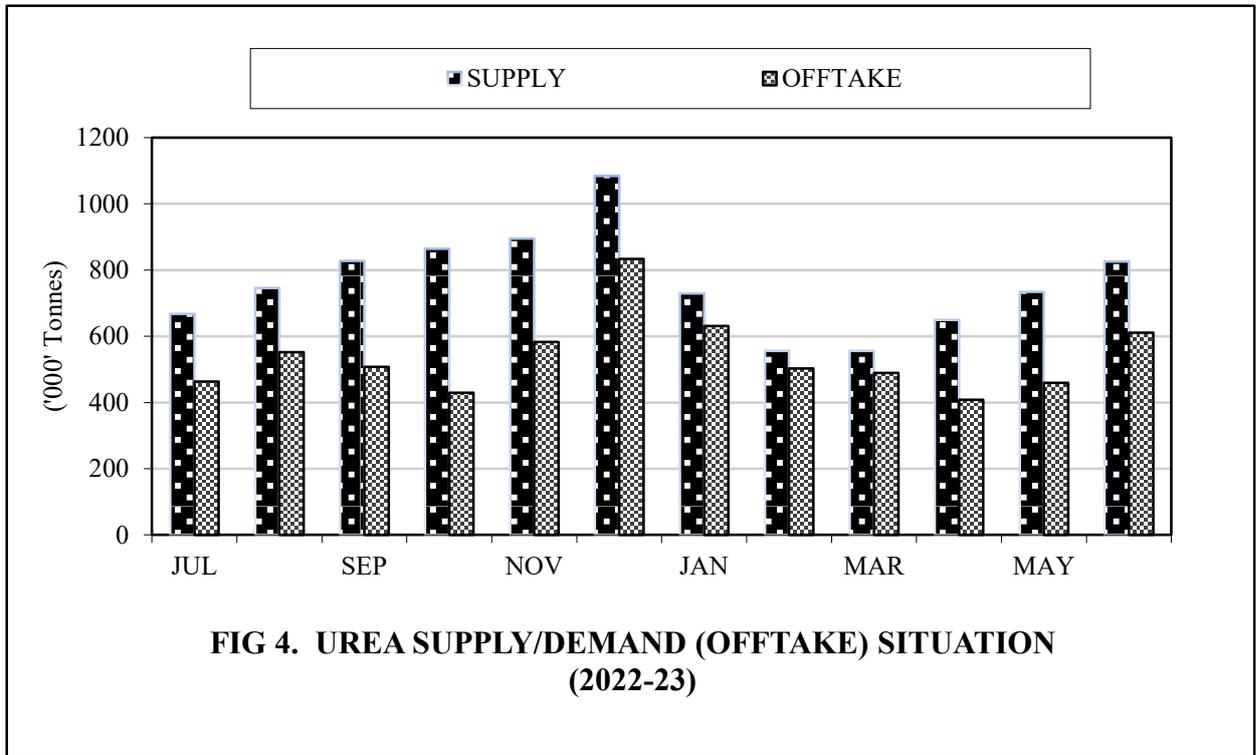
The year 2022-23 started with 256 thousand tonnes of urea opening stock. Domestic production was about 6,033 thousand tonnes and 400 thousand tonnes was imported supply. The total availability of urea was therefore, 6,688 thousand tonnes (Table 7). Total urea offtake was 6,470 thousand tonnes, which witnessed a decrease of 3.3 per cent over 2021-22. To cater the market demand, two LNG based plants remained functional during peak demand time and 400 thousand tonnes was imported during September, Oct and Dec., 2022. Urea offtake as proportion of supply crossed 80 per cent mark during months of Jan, Feb and March 2023 (**Figure 3**) which reflect tight situation. The closing stock at the end of 2022-23 was 215 thousand tonnes, which is a comfortable opening inventory for the year 2022-23.

The summarized data are presented in Table 7 and 9. Urea offtake during 2022-23 compared with the last five years is at Annex-6. Monthly supply and demand situation is shown graphically in **Figure 4**.

#### 4.2.2 DAP supply/demand situation during 2022-23

The year 2022-23 had an opening inventory of 337 thousand tonnes of DAP. Imports were about 444 thousand tonnes (894 thousand tonnes during 2021-22). Domestic production was 635 thousand tonnes. The total availability of DAP was therefore about 1,417 thousand tonnes (Table 7). Total DAP offtake was 1,141 thousand tonnes as compared to 1,863 thousand tonnes during 2021-22, representing a decrease of 38.8 per cent over 2021-22. The closing stock at the end of the year was 275 thousand tonnes, reflecting a comfortable inventory for next year. The

summarized data are shown in Table 7 and 9. Monthly supply/demand situation of DAP is shown graphically in **Figure 5** and supply/demand situation during 2022-23 at Annexes 10 and 11.



### 4.2.3 Nitrophos supply/demand situation during 2022-23

Nitrophos (NP) is still preferred by the farmers in the country considering a balanced fertilizer. It supplements as well as substitutes both urea (N) and DAP (P<sub>2</sub>O<sub>5</sub>) and is locally produced. Nitrophos offtake was 856 thousand tonnes during 2022-23. Total availability of nitrophos during 2022-23 was 1,171 thousand tonnes compared to 1,216 thousand tonnes during previous year. The summarized data are shown in Table 7 and 9. Month-wise supply/demand situation during the year 2022-23 is presented in Annex 10 and consolidated supply/demand in Annex-11.

**Table 9 Total supply / offtake of fertilizer products Urea, DAP & Nitrophos during 2022-23**

Months	Total availability (‘000 tonnes)			Offtake (‘000 tonnes)			Offtake as proportion of availability (per cent)		
	UREA	DAP	NP	UREA	DAP	NP	UREA	DAP	NP
Jul-22	668	446	451	463	67	70	69	15	16
Aug-22	745	451	454	552	26	18	74	6	4
Sep-22	828	523	512	508	63	33	61	12	6
Oct-22	864	565	565	430	71	38	50	13	7
Nov-22	896	799	606	583	236	91	65	30	15
Dec-22	1085	593	590	833	158	145	77	27	24
Jan-23	730	443	510	631	96	64	87	22	13
Feb-23	556	361	478	503	98	95	90	27	20
Mar-23	556	328	425	489	51	37	88	16	9
Apr-23	649	334	454	408	51	48	63	15	11
May-23	735	394	467	459	66	83	63	17	18
Jun-23	826	433	464	610	158	133	74	37	29

### 4.3 Fertilizer use (nutrients) per hectare of cropped area during 2022-23

The data given in Table 10 present average fertilizer use in kg nutrients per hectare of cropped area. Average nutrient use rate during 2022-23 was 182 kg/ha (Table 10). These figures are based on actual offtake in the provinces and total cropped area.

Fertilizer use per unit area in Sindh was the highest i.e., 286 kg/ha (325 kg/ha during 2021-22), followed by Punjab at 173 kg/ha (197 kg/ha during 2021-22), KP 112 kg/ha (102 kg/ha during 2021-22) and Balochistan 111 kg/ha (137 kg/ha during 2021-22).

**Table 10. Fertilizer use status during 2022-23**

Province	Cropped Area (million ha)	Total Consumption during 2022-23 ('000 tons)				Nutrients Use rate during 2022-23 (Kg/ ha)			
		Nitrogen	Phosphate	Potash	Total	Nitrogen	Phosphate	Potash	Total
Punjab	17.5	2,487	524	21	3,031	142	30	1.2	173
Sindh	3.5	841	152	6	999	241	43	1.8	286
KP	1.8	169	32	1.3	202	94	18	0.7	112
Balochistan	1.2	107	26	0.5	134	89	22	0.4	111
AJK/Gilgit Baltistan	-	-	-	-	-	-	-	-	-
<b>Total</b>	<b>24.0</b>	<b>3,604</b>	<b>734</b>	<b>29</b>	<b>4,366</b>	<b>150</b>	<b>31</b>	<b>1.2</b>	<b>182</b>

#### 4.4 District-wise fertilizer offtake during 2022-23

District-wise fertilizer offtake as kg nutrients per hectare is presented in Table 11. The data have been categorized mainly in three groups; i) districts with low fertilizer use rate up to 50 kg nutrients per hectare ii) districts with medium fertilizer use rate ranging from 50 to 100 kg nutrients per hectare, and iii) districts showing fertilizer use over 100 kg/ha. The districts with very low level of offtake and for which cropped area is not available have been excluded.

It may be observed that 30 districts fall in the category of low fertilizer offtake areas having fertilizer use ranging up to 50 kg nutrients per hectare. Low consuming areas/districts belong mostly to KP, Balochistan and Punjab. There were 16 districts, which fall under medium fertilizer offtake category, ranging between 50 to 100 kg nutrients per hectare. The third category classified as high fertilizer offtake area/districts, includes 62 districts with fertilizer offtake above 100 kg nutrients per hectare. Out of these, 28 districts belong to Punjab, followed by Sindh (22 districts), Balochistan (6 districts) and KP (6 districts). Details of product-wise, nutrient-wise and district-wise offtake data may be seen in Annex-12 and 13. It is evident that some of the districts in Sindh and Balochistan showed very high figures, because big dealers and stockist are located in urban areas. Thus, offtake in such cases may not be considered as actual agricultural use. These figures should be used with care and not quoted arbitrarily.

**Table 11. Category-Wise district-wise fertilizer Use rate during 2022-23**

Fertilizer Nutrient use Rate	Number of District				Pakistan
	Punjab	Sindh	KP	Balochistan	
i. Upto 50 kg/ha	6	1	14	9	30
ii. 50 to 100 kg/ha	3	0	7	6	16
iii. Above 100 kg/ha	28	22	6	6	62
Total	37	23	27	21	108

## **4.5 Fertilizer Subsidy**

In order to provide fertilizers to farming community at affordable price, following different type of subsidies were provided by Government in fertilizer sector during 2022-23.

1. Subsidy in the form of cheap natural gas used as feed for fertilizer production (Rs. 865 per bag of urea as per fuel and feed price difference).
2. Subsidized LNG for production of urea from Fatima Fert and Agritech. Subsidy in this regard is Rs. 3,696 per bag of urea.
3. E-voucher based direct subsidy was provided by Government of Punjab to the registered farmers for phosphate and potash fertilizer (Rs. 1,000 for DAP, Rs. 200 for NP and SSP, Rs. 300 for NPK's, Rs. 800 for SOP and Rs. 500 for MOP per 50 kg bag).
4. Subsidy on import of urea (Rs. 4,905 per bag) in order to equate the price difference between domestic and international market.

## **5. FERTILIZER AVAILABILITY DURING KHARIF 2022**

### **5.1 Domestic production**

Domestic production of all fertilizer products during Kharif 2022 (April-September) was 4,580 thousand product tonnes, which was 52 thousand tonnes more than Kharif 2021. In nutrient terms, a total quantity of 2,080 thousand tonnes was produced by the domestic industry.

Of the total domestic production, nitrogen was 1,751 thousand tonnes, which accounted for 84.2 per cent (84.0 per cent in Kharif 2021). Phosphate production was 317 thousand tonnes, which captured a share of 15.3 per cent (15.6 per cent in Kharif 2021) and potash had just 11.4 per cent share (Table 12). Urea production during Kharif 2022 remained at a level of about 3,157 thousand tonnes (3,107 thousand tonnes during Kharif 2021). DAP Production was 451 thousand tonnes, which increased (1.5 per cent) than that of Kharif 2021. Production of nitrophos decreased by 2.7 per cent, while that of CAN increased by 4.6 per cent and SSP production decreased by 23.9 per cent.

Out of seven fertilizer products produced in the country, share of urea in Kharif 2022 was 68.9 per cent (68.6 per cent in Kharif 2021), followed by DAP 9.8 per cent (same as in Kharif 2021), NP 10 per cent (10.4 per cent in Kharif 2021), CAN 9.4 per cent (9.1 per cent in Kharif 2021), SSP 0.8 per cent (1.1 per cent in Kharif 2021), various grades of NPKs 0.8 per cent (0.9 per cent in Kharif 2021) and SOP 0.2 per cent. Tonnage-wise, the domestic industry produced the following quantities during Kharif 2022: Urea 3,157, CAN 430, NP 457, DAP 451, SSP 39, SOP 9.9 and NPK's (various grades) 38 thousand tonnes. The data are summarized in Table 12 and month-wise details may be seen in Annex-14 and consolidated data in Annex-18.

## **5.2 Imports**

Four products such as Urea, DAP, SOP, and Ammonium sulphate (AS) were imported during Kharif 2022. Fertilizer imports were 305 thousand product tonnes, which witnessed a decrease of 64.7 per cent, over Kharif 2021 (Table 13).

The share of DAP in total imports was 61 per cent. DAP imports were 185 thousand tonnes (734 thousand tonnes during Kharif 2021). Volume of imported fertilizer during Kharif 2022 comprised: Urea 103, DAP 185, SOP 13 and AS 4 thousand tonnes. The summarized product-wise and nutrient-wise data are given in Table 13. Month-wise details are presented in Annex-15.

## **6. FERTILIZER OFFTAKE/CONSUMPTION DURING KHARIF 2022**

### **6.1 Offtake by nutrients**

The overall fertilizer nutrient offtake during Kharif 2022 witnessed a decrease of 16.5 per cent over previous season i.e., from 2,422 thousand nutrient tonnes in 2021 to 2,022 thousand nutrient tonnes in 2022 (Table 14). Nitrogen offtake decreased by 8.8 per cent while phosphate and potash offtake decreased by 41 and 65.1 per cent, respectively due to high prices and floods.

Nitrogen captured 84.4 per cent share in total nutrient offtake during Kharif 2022 (77.3 per cent during Kharif 2021). Phosphate claimed 15 per cent share (21.2 per cent during Kharif 2021) while the potash share was 0.6 per cent. Aggregated data are given in Table 14, Annex-17 and the monthly nutrient offtake of Kharif 2022 compared with the last five seasons are shown in Annex-3.

### **6.2 Province-wise nutrient offtake**

At national level, overall nutrient offtake during Kharif 2022 decreased by 16.5 per cent compared with Kharif 2021. Nutrient offtake decreased by 17.7, 10 and 45.1 per cent in Punjab, Sindh, Balochistan, respectively while its offtake slightly increased in KP as compared with last Kharif.

Nitrogen offtake decreased by 8.8 per cent at national level during Kharif 2022 as compared to last Kharif. On provincial basis, nitrogen offtake decreased by 8.1, 6.0 and 47.6 per cent in Punjab, Sindh and Balochistan, respectively while its offtake increased by 8.3 per cent in KP during Kharif 2022 as compared with Kharif 2021.

Phosphate offtake decreased by 41 per cent at national level compared with Kharif 2021. This included decrease of 45 per cent in Punjab, 27 per cent in Sindh, 35 per cent in KP and 29 per cent in Balochistan.

**Table 12. Domestic fertilizer production during Kharif 2022**

Products	Manufacturer	Kharif 2021		Kharif 2022		Per cent change Over Kharif 2021
		Production ('000 t)	Per cent share	Production ('000 t)	Per cent share	
<b>PRODUCTS</b>						
UREA	Fatima Fert.	135	3.0	235	5.1	74.3
UREA	EFERT	1037	22.9	1000	21.8	-3.5
UREA(PFL)	PAK ARAB	39	0.86	58	1.28	50.9
UREA(PAFL)	Agritech	111	2.4	170	3.7	53.1
UREA (PRILLED)	FFC	795	17.6	778	17.0	-2.1
UREA (GRANULAR)	FFC	303	6.7	395	8.6	30.3
UREA (PSFL)	FFC	444	9.8	266	5.8	-40.2
UREA	Fatima Fertilizer	243	-	255	5.6	4.8
<b>UREA</b>	<b>TOTAL</b>	<b>3,107</b>	<b>68.6</b>	<b>3157</b>	<b>68.9</b>	<b>1.6</b>
CAN(PAR)	PAK ARAB	167	3.7	186	4.1	11.4
CAN	Fatima	244	5.39	244	5.3	-0.1
<b>CAN</b>	<b>TOTAL</b>	<b>411</b>	<b>9.1</b>	<b>430</b>	<b>9.4</b>	<b>4.6</b>
NP (PAR)	PAK ARAB	193	4.3	188	4.1	-2.5
NP	EFERT	18	0.4	31	0.7	71.2
NP	Fatima	258	0.0	237	5.2	-8.0
<b>NP</b>	<b>TOTAL</b>	<b>469</b>	<b>10.4</b>	<b>457</b>	<b>10.0</b>	<b>-2.7</b>
DAP - SONA	FFC	444	9.8	451	9.8	1.5
SSP (H.PUR 18%)	Agritech	36	0.8	29	0.6	-18.5
SSP	Suraj Fertilizers	12.0	0.3	9.1	0.20	-24.8
SSP	Safi Chemicals	2.8	0.06	0.3	0.01	-88.9
<b>SSP</b>	<b>TOTAL</b>	<b>51</b>	<b>1.1</b>	<b>39</b>	<b>0.8</b>	<b>-23.9</b>
SOP	Pacific	4.1	-	9.9	0.2	140.3
NPK (Various Grades)	EFERT	42	0.9	38	0.8	-9.9
<b>ALL PRODUCTS</b>	<b>TOTAL</b>	<b>4,528</b>	<b>100</b>	<b>4,580</b>	<b>100</b>	<b>1.2</b>
<b>NUTRIENTS</b>						
	NITROGEN	1725	84.0	1751	84.2	1.5
	PHOSPHATE	320	15.6	317	15.3	-1
	POTASH	9.4	0.5	11.4	0.5	20.7
	<b>TOTAL</b>	<b>2055</b>	<b>100</b>	<b>2080</b>	<b>100</b>	<b>1.2</b>

**Table 13. Fertilizer imports during Kharif 2022**

('000 tonnes)

Products	Kharif 2021		Kharif 2022		Per cent change over Kharif 2021
	Imports ('000t)	Per cent share	Imports ('000t)	Per cent share	
<b>PRODUCTS</b>					
UREA	-	-	103	34	-
DAP	734	85	185	61	-75
SOP	36	4	13	4	-64
MOP	36	4.2	-	-	-100
AS	47	5.4	4	1.3	-92
MAP	10	1.1	-	-	-100
<b>All Products</b>	<b>863</b>	<b>100</b>	<b>305</b>	<b>100</b>	<b>-64.7</b>

<b>NUTRIENTS</b>					
Nitrogen	143	27	81	47	-43
Phosphate	342	65	85	49	-75
Potash	40	8	7	4	-84
<b>Total</b>	<b>525</b>	<b>100</b>	<b>173</b>	<b>100</b>	<b>-67</b>

*Note: Quantities less than one thousand tonnes are not reported in this Table.*

**Table 14 Nutrient offtake during Kharif 2022 compared with previous seasons**

('000 tonnes)

Nutrient	2018	2019	2020	2021	2022
Nitrogen	1,633	1,703	1,872	1,871	1,706
Phosphate	476	532	650	514	303
Potash	26	22	33	37	13
<b>Total</b>	<b>2,135</b>	<b>2,257</b>	<b>2555</b>	<b>2422</b>	<b>2022</b>

N:P Ratio	3.43	3.20	2.88	3.64	5.62
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(% change)

Nitrogen	4	10	-0.1	-8.8
Phosphate	12	22	-20.9	-41.0
Potash	-14	48	12.5	-65.1
<b>Total</b>	<b>5.7</b>	<b>13.2</b>	<b>-5.2</b>	<b>-16.5</b>

In overall nutrient offtake based on five years average, share of Punjab was 69 per cent, followed by Sindh, KP and Balochistan with 24, 4.1 and 3.6 per cent, respectively.

The data are summarized in Table 15 and the detailed month, province and nutrient-wise data for Kharif 2022 compared with last five seasons are presented in Annex-4.

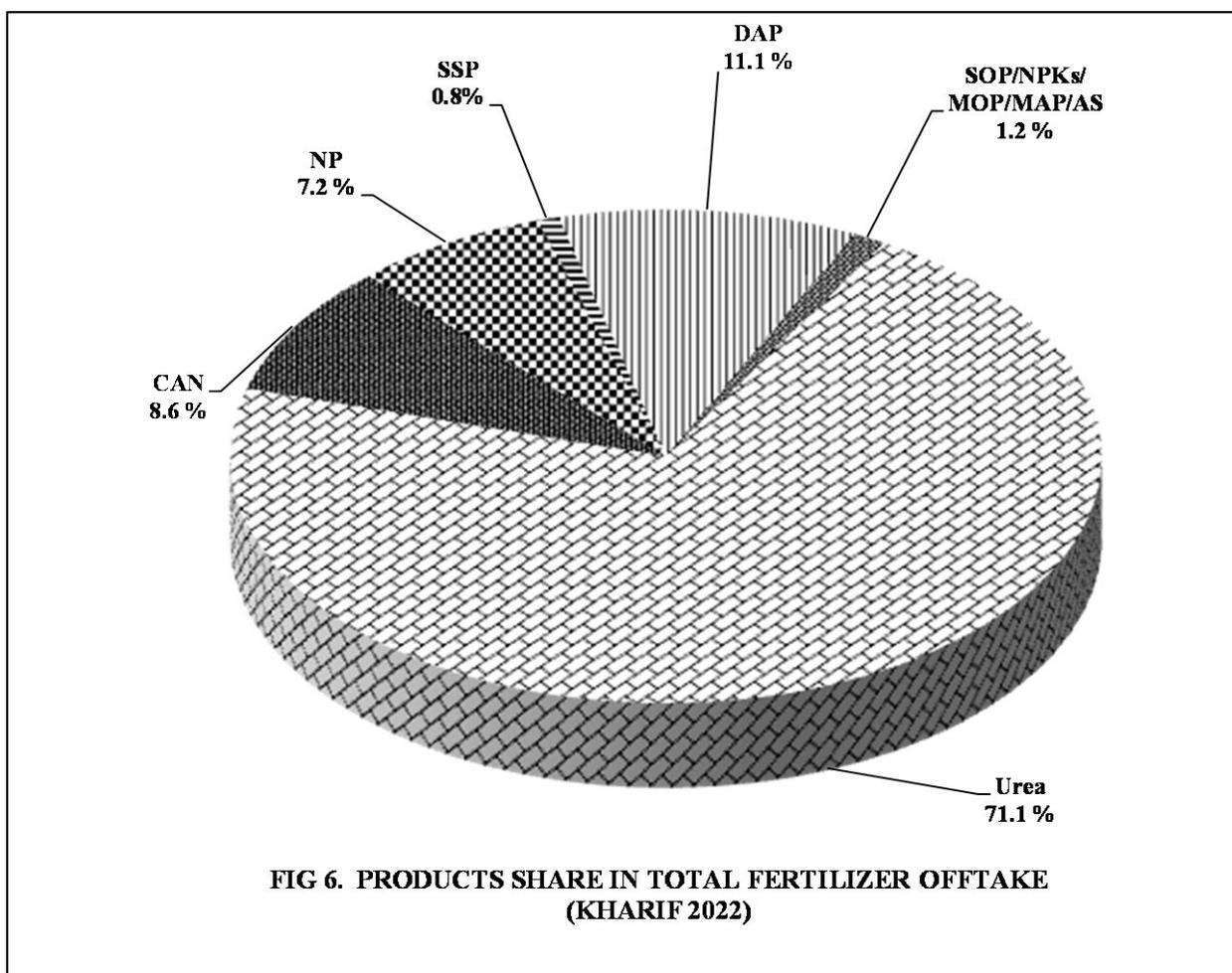
**Table 15. Province-wise nutrient offtake during Kharif 2022 compared with previous seasons**

('000 tonnes)							
Province	Kharif 2018	Kharif 2019	Kharif 2020	Kharif 2021	Kharif 2022	Per cent change over Kharif 2021	Provincial share (%) Average of 5 years
<b>Total</b>							
Punjab	1,450	1,557	1,735	1,691	1,392	-17.7	69
Sindh	544	529	596	538	484	-10.0	24
KP	80	92	113	89	89	0.04	4.1
Balochistan	60	78	111	104	57	-45.1	3.6
<b>Total</b>	<b>2,135</b>	<b>2,257</b>	<b>2555</b>	<b>2422</b>	<b>2022</b>	<b>-16.5</b>	<b>100</b>
Per cent change over previous year		5.7	13.2	-5.2	-16.5		
<b>Nitrogen</b>							
Punjab	1,085	1,168	1,266	1,273	1,171	-8.1	68
Sindh	439	408	438	437	410	-6.0	24
KP	62	71	86	73	79	8.3	4.2
Balochistan	46	56	82	89	47	-47.6	3.6
<b>Total</b>	<b>1,633</b>	<b>1,703</b>	<b>1,872</b>	<b>1,871</b>	<b>1,706</b>	<b>-8.8</b>	<b>100</b>
Per cent change over previous year		4.3	10.0	-0.1	-8.8		
<b>Phosphate</b>							
Punjab	346	371	442	387	213	-45	71.0
Sindh	101	119	154	97	71	-27	21.9
KP	17	20	26	15	10	-35	3.5
Balochistan	13	22	28	14	10	-29	3.6
<b>Total</b>	<b>476</b>	<b>532</b>	<b>650</b>	<b>514</b>	<b>303.3</b>	<b>-41.0</b>	<b>100</b>
Per cent change over previous year		11.7	22.1	-20.9	-41.0		
<b>Potash</b>							
Punjab	19.8	17.6	26.6	31.0	8.8	-72	79
Sindh	3.8	2.8	4.0	4.5	3.6	-20	14
KP	1.3	1.2	1.3	0.9	0.2	-72	3.8
Balochistan	1.0	0.6	1.1	0.7	0.3	-55	2.3
<b>Total</b>	<b>26</b>	<b>22</b>	<b>33</b>	<b>37.1</b>	<b>12.9</b>	<b>-65.1</b>	<b>100</b>
Per cent change over previous year		-14	48	12.5	-65.1		

### 6.3 Fertilizer offtake/use by product

During Kharif 2022, a total of about 4,410 thousand product tonnes were consumed as compared to 5,157 thousand tonnes during Kharif 2021 reflecting a decrease of 14.5 per cent. Urea, DAP and nitrophos constituted 89.4 per cent of total products consumed. The domestic nutrient offtake decreased by 11.9 per cent, while imported fertilizers nutrient offtake decreased by 43.3 per cent over Kharif 2021.

Among the various products, Urea captured 71.1 per cent share in total fertilizer offtake, followed by DAP with 11.1 per cent. The shares of CAN, NP and SSP were 8.6, 7.2 and 0.8 per cent, respectively. The cumulative share of remaining products was 1.2 per cent (**Figure 6**). Urea offtake decreased by 3.7 per cent while DAP offtake decreased by 44.8 per cent as compared to Kharif 2021. The share of domestic products in total fertilizer offtake was 92.1 per cent (88.7 per cent during Kharif 2021), while that of imported fertilizer accounted for 7.9 per cent (11.3 per cent during Kharif 2021). The consolidated product-wise fertilizer offtake during Kharif 2021 and Kharif 2022 is presented in Table 16 and detailed month and product-wise offtake is presented in Annex-10 and consolidated in Annex-16.



**Table 16. Fertilizer offtake during Kharif 2022**

	('000 tonnes)				
Products	Offtake in Kharif 2021	Per cent Share	Offtake in Kharif 2022	Per cent Share	Per cent change over Kharif 2021
Urea Imported	-	-	100	2.27	-
Urea domestic	3258	63.2	3036	68.8	-6.8
<b>Total Urea</b>	<b>3,258</b>	<b>63.2</b>	<b>3,137</b>	<b>71.1</b>	<b>-3.7</b>
CAN domestic	426	8.3	380	8.6	-11
NP domestic	396	7.7	318	7.2	-19.6
SSP domestic	50	1.0	33	0.8	-34
DAP domestic	398	7.7	266	6.0	-33
DAP Imported	491	9.5	225	5.1	-54
<b>Total DAP</b>	<b>889</b>	<b>17.2</b>	<b>491</b>	<b>11.1</b>	<b>-44.8</b>
SOP Domestic	4	0.07	3	0.07	-12.8
SOP Imported	26	0.5	3	0.1	-89
NPK's domestic	41	0.8	23	0.5	-44
MOP Imported	25	0.5	10	0.2	-61
MAP Imported	8	0.16	4	0.08	-57
AS Imported	34	0.7	9	0.2	-74
<b>Grand Total</b>	<b>5,157</b>	<b>100.0</b>	<b>4410</b>	<b>100.0</b>	<b>-14.5</b>
<b>Total domestic</b>	<b>4,573</b>	<b>88.7</b>	<b>4060</b>	<b>92.1</b>	<b>-11.2</b>
<b>Total Imported</b>	<b>584</b>	<b>11.3</b>	<b>350</b>	<b>7.9</b>	<b>-40.1</b>
<b>A. DOMESTIC</b>					
Nitrogen	1774	73.3	1617	80.0	-8.9
Phosphate	284	11.7	198	9.8	-30.1
Potash	8.8	0.4	5.6	0.3	-36.2
<b>Total</b>	<b>2,067</b>	<b>85.4</b>	<b>1821</b>	<b>90.1</b>	<b>-11.9</b>
<b>B. IMPORTED</b>					
Nitrogen	96	4.0	89	4.4	-7.9
Phosphate	230	9.5	105	5.2	-54.3
Potash	28	1.2	7	0.4	-74.3
<b>Total</b>	<b>355</b>	<b>14.6</b>	<b>201</b>	<b>9.9</b>	<b>-43.3</b>
<b>C. TOTAL</b>					
Nitrogen	1871	77.3	1706	84.4	-8.8
Phosphate	514	21.2	303	15.0	-41.0
Potash	37.1	1.5	12.9	0.6	-65.1
<b>Total</b>	<b>2,422</b>	<b>100.0</b>	<b>2022</b>	<b>100.0</b>	<b>-16.5</b>

#### 6.4 Province-wise urea and DAP offtake / consumption during Kharif 2022

Urea offtake during Kharif 2022 exhibited a decrease of 3.7 per cent over Kharif 2021 at national level. Decrease of 0.9, 3.7 and 51.8 per cent was observed in Punjab, Sindh and Balochistan, respectively. However, its offtake increased in KP by 13 per cent (Table 17).

At national level, DAP offtake witnessed a decrease of 44.8 per cent. At provincial level, decrease of 48.6 per cent in Punjab, 26.1 per cent in Sindh, 49.9 per cent in KP and 54.7 per cent in Balochistan was observed during Kharif 2022 over Kharif 2021.

The share of Punjab in urea offtake on five-year basis was 67 per cent, Sindh 24.6, KP 4.6 and Balochistan 3.8 per cent. As regards DAP offtake on provincial basis, Punjab's share was 71.7 per cent, Sindh 21.2 and KP and Balochistan 3.5 per cent each.

Province-wise summary in respect of urea and DAP offtake during Kharif 2022 compared with the previous seasons is presented in Table 17. Detailed province-wise and product-wise urea and DAP offtake for all the products are given at Annexes 6 and 7.

**Table 17. Province-wise urea and DAP offtake during Kharif 2022 compared with previous seasons**

('000 tonnes)							
Province	Kharif 2018	Kharif 2019	Kharif 2020	Kharif 2021	Kharif 2022	Per cent change over Kharif 2021	Provincial share (Average of 5 years) Per cent
<b>UREA</b>							
Punjab	1871	2059	2143	2165	2146	-0.9	67.0
Sindh	811	735	740	775	746	-3.7	24.6
KP	119	132	156	141	159	13.0	4.6
Balochistan	86	98	149	177	86	-51.8	3.8
<b>Total</b>	<b>2,887</b>	<b>3,024</b>	<b>3,188</b>	<b>3,258</b>	<b>3,137</b>	<b>-3.7</b>	<b>100</b>
Per cent change over previous year	4.7		5.4	2.2	-3.7		
<b>DAP</b>							
Punjab	657	692	795	677	348	-48.6	71.7
Sindh	187	206	269	158	117	-26.1	21.2
KP	32	35	46	29	14	-49.9	3.5
Balochistan	25	42	52	24	11	-54.7	3.5
<b>Total</b>	<b>901</b>	<b>974</b>	<b>1,162</b>	<b>889</b>	<b>491</b>	<b>-44.8</b>	<b>100.0</b>
Per cent change over previous year	8.1		19.3	-23.5	-44.8		

## 7. SUPPLY / DEMAND SITUATION DURING KHARIF 2022

### 7.1 Nutrient-wise supply / demand situation during Kharif 2022

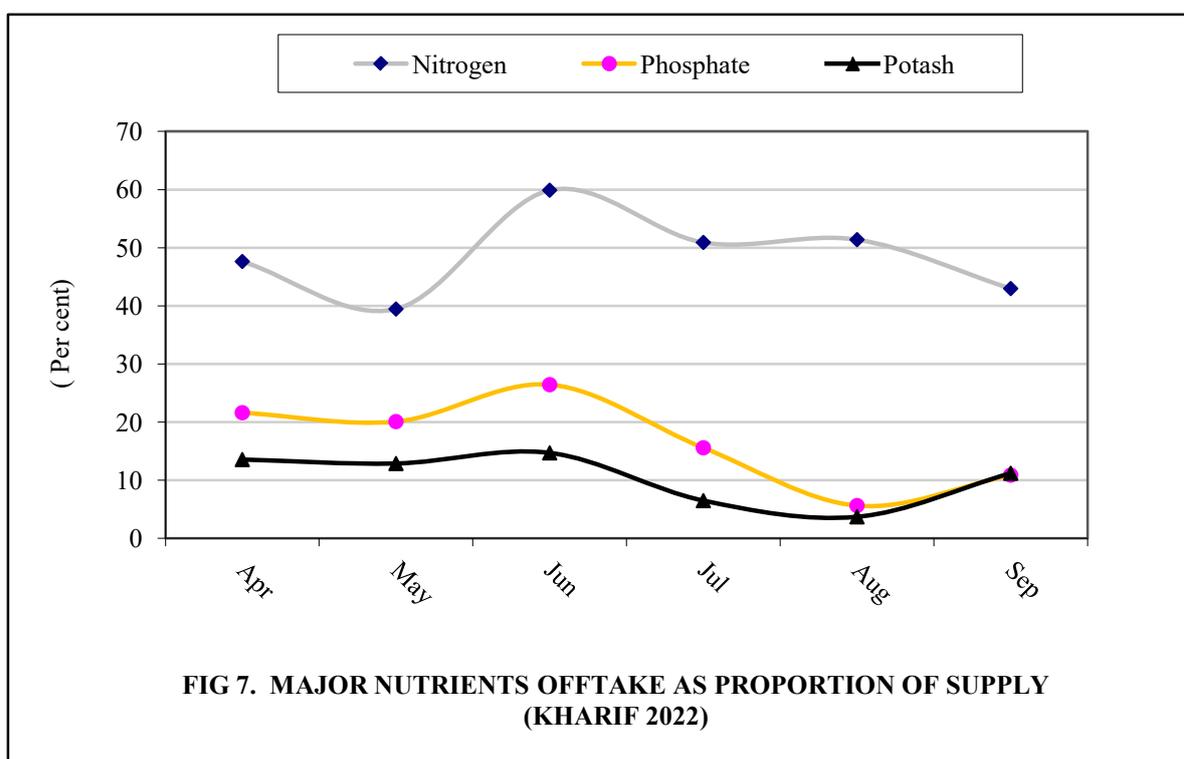
The opening stock for Kharif 2022 was about 430 thousand nutrient tonnes. Total supply, based on opening stock, domestic production and imports was 2,683 thousand nutrient tonnes, which was 217 thousand tonnes less than that of Kharif 2021 (Table 18).

**Table 18. Fertilizer Supply/Demand situation during Kharif 2022**

Description	('000 tonnes)						
	Nitrogen	Phosphate	Potash	Total	Urea	DAP	Nitrophos (NP)
Opening Balance	217	196	16	430	200	276	340
	(224)	(91)	(5)	(320)	(298)	(58)	(263)
Domestic production	1,751	317	11	2,080	3,157	451	457
	(1,725)	(320)	(9)	(2,055)	(3,107)	(444)	(469)
Imports	81	85	7	173	103	185	-
	(143)	(342)	(40)	(525)	-	(734)	-
<b>Total Availability</b>	<b>2,050</b>	<b>599</b>	<b>34</b>	<b>2,683</b>	<b>3,459</b>	<b>913</b>	<b>797</b>
	(2,092)	(753)	(54)	(2,900)	(3,405)	(1,235)	(732)
Offtake	1,706	303	13	2,022	3,137	491	318
	(1,871)	(514)	(37)	(2,422)	(3,258)	(889)	(396)
Adjustment (+)(-)	-6	18	-2	10	-29	39	2
	(-16)	(-6)	(0)	(-22)	(-30)	(6)	(-2)
National Inventory	338	314	19	671	294	460	480
	(205)	(233)	(17)	(456)	(116)	(353)	(334)

*Note: Figures in parenthesis are for Kharif 2021. Quantities less than one thousand are not given in this Table. Small variations may be due to rounding of figures.*

Total offtake during the season under review was 2,022 thousand nutrient tonnes which witnessed a decrease by 16.5 per cent compared with 2021. Nitrogen offtake as proportion of supply was well below 80 per cent mark from April to September 2022, which is a reflection of satisfactory situation (Table 19, **Figure 7**). Phosphate offtake also did not exceed 70 per cent, which is indicative of comfortable situation. The closing stock was about 671 thousand tonnes. The data are summarized in Table 18 and the month-wise nutrient supply/demand situation during Kharif 2022 may be seen in Annex-8. Month and nutrient-wise availability, its offtake, and offtake as proportion of availability are given in Table 19.



**Table 19. Total supply and offtake of fertilizer nutrients during Kharif 2022**

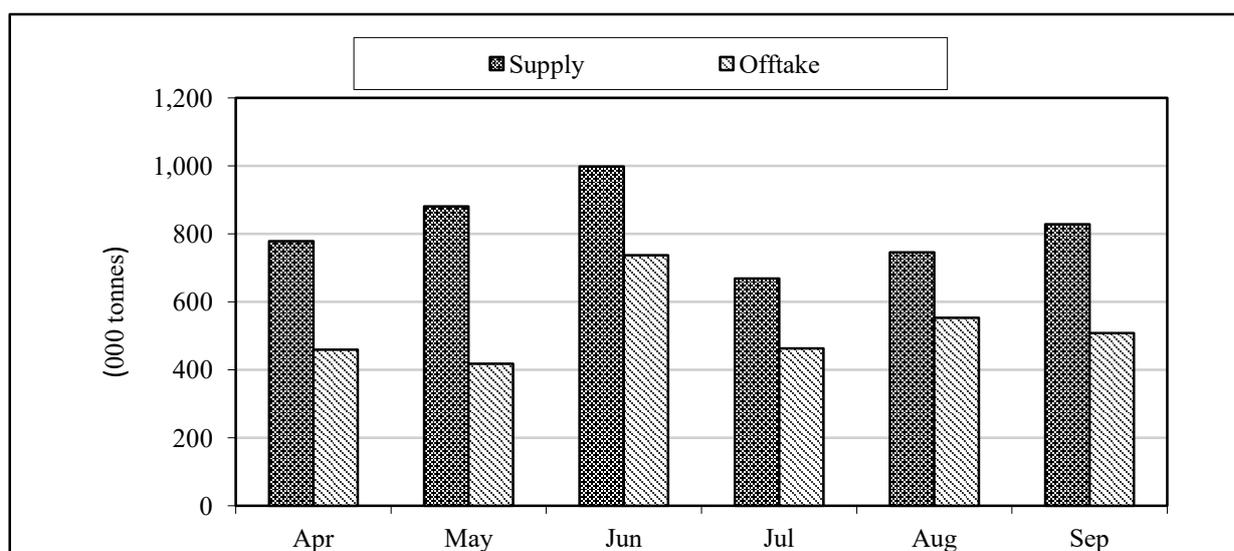
Months	Total availability ('000 tonnes)			Offtake ('000 tonnes)			Offtake as proportion of availability (per cent)		
	Nitrogen	Phosphate	Potash	Nitrogen	Phosphate	Potash	Nitrogen	Phosphate	Potash
Apr-22	545	277	20	260	60	3	48	22	14
May-22	606	301	21	239	60	3	39	20	13
Jun-22	666	305	21	399	81	3	60	26	15
Jul-22	514	300	23	262	47	1.5	51	16	6
Aug-22	551	305	19	283	17	0.7	51	6	4
Sep-22	614	352	21	264	38	2.3	43	11	11

## 7.2 Urea supply / demand situation during Kharif 2022

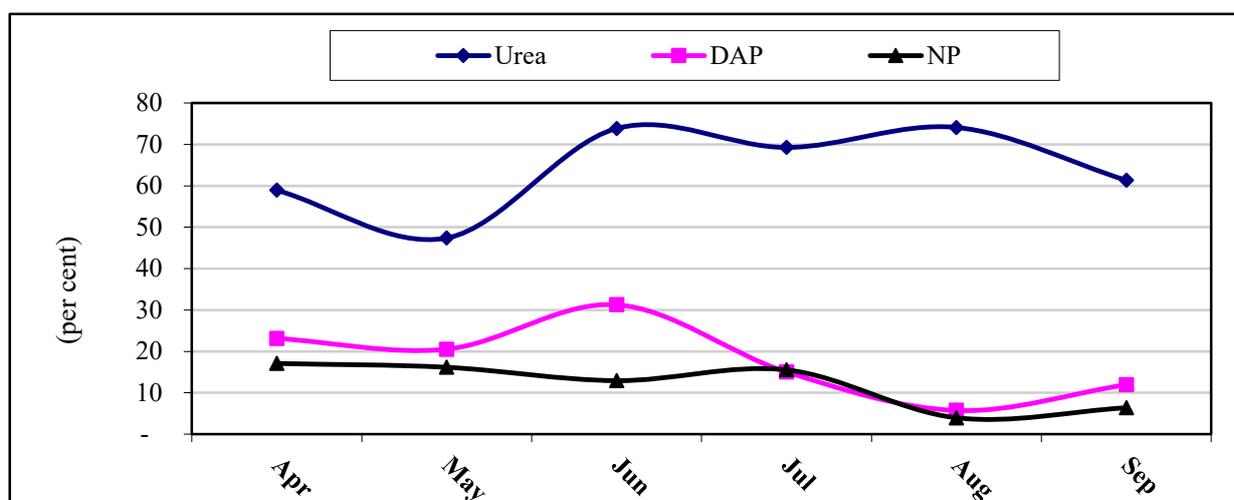
Kharif 2022 started with a balance of about 200 thousand tonnes of urea. Domestic production was 3,157 thousand tonnes and 103 thousand tonnes was imported supply. Thus, total availability was 3,459 thousand tonnes. Urea offtake was 3,137 thousand tonnes, representing a decrease of 3.7 per cent over Kharif 2021 (Table 17). Urea offtake as proportion of supply during Kharif 2022 did not exceed 80 per cent mark which reflect comfortable situation (Table 20). Closing balance of Kharif 2022 for urea was 294 thousand tonnes. The offtake of urea vs. supply may be seen in **Figure 8** and **9**.

**Table 20. Total supply and offtake of principal products during Kharif 2022**

Months	Total availability ('000 tonnes)			Offtake ('000 tonnes)			Offtake as proportion of availability (per cent)		
	UREA	DAP	NP	UREA	DAP	NP	UREA	DAP	NP
Apr-22	779	411	421	459	95	72	59	23	17
May-22	881	459	427	418	94	69	47	21	16
Jun-22	998	465	435	737	146	56	74	31	13
Jul-22	668	446	451	463	67	70	69	15	16
Aug-22	745	451	454	552	26	18	74	6	4
Sep-22	828	523	512	508	63	33	61	12	6



**FIG 8. UREA SUPPLY/DEMAND (OFFTAKE) SITUATION (KHARIF 2022)**



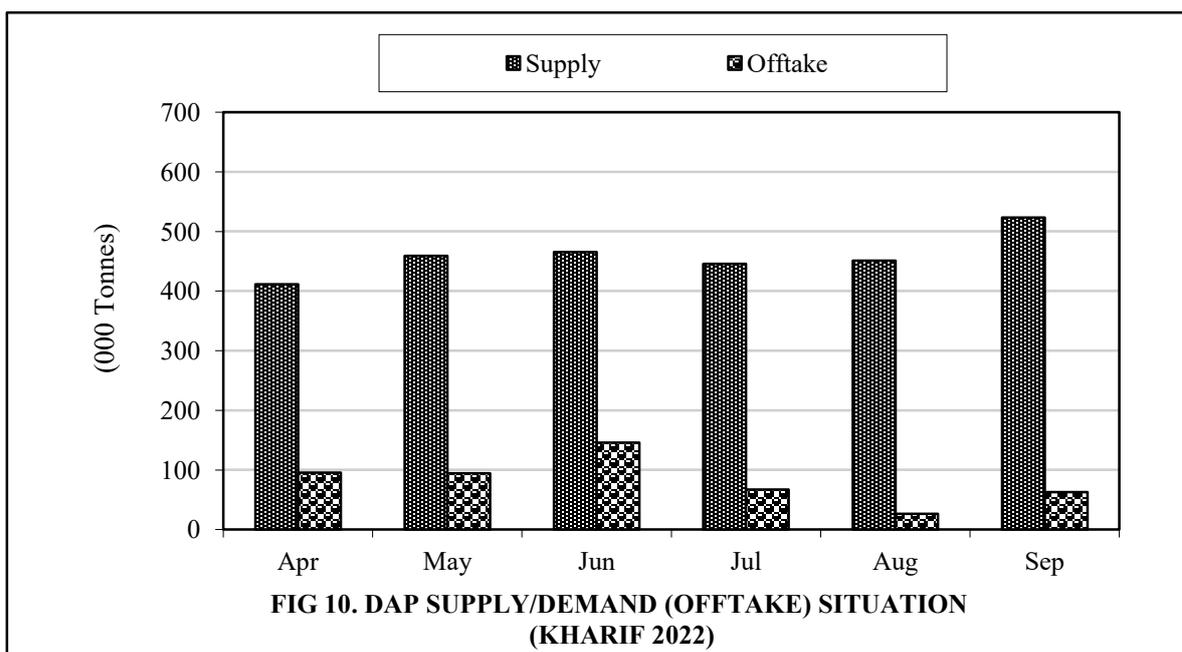
**FIG 9. UREA, DAP AND NP OFFTAKE AS PROPORTION OF SUPPLY (KHARIF 2022)**

Urea offtake during Kharif 2022 compared with the last seasons is shown in Annex-6. The summarized data are given in Table 18. Month-wise total supply of urea, its offtake and offtake as proportion of availability are shown in Table 20 and the month-wise supply/demand situation in respect of urea and other products is presented in Annex-10. Consolidated supply/demand situation is shown in Annex-18.

### 7.3 DAP supply / demand situation during Kharif 2022

Total availability of DAP was 913 thousand tonnes which comprised opening inventory of 276 thousand tonnes, domestic production of 451 thousand tonnes and imports of 185 thousand tonnes. Offtake of DAP remained 491 thousand tonnes during Kharif 2022. DAP offtake in proportion of supply remained well below 70 per cent mark. The closing stock worked out was 460 thousand tonnes at the end of Kharif 2022 (Table 18 and 20).

DAP offtake during Kharif 2022 compared with the last seasons is shown in Annex-6. The summarized data are given in Table 18. Month-wise DAP availability, its offtake and offtake as proportion to supply are shown in Table 20 and the month-wise supply/demand situation in respect of DAP and other products is presented in Annex-10 and consolidated supply/demand situation is presented in Annex-18 (**Figure 10**).



### 7.4 Nitrophos supply / demand situation during Kharif 2022

With the opening stock of 340 thousand tonnes and domestic production of 457 thousand tonnes, total availability during Kharif 2022 was 797 thousand tonnes. Total offtake remained 318 thousand tonnes. The closing stock was 480 thousand tonnes at the end of season. The summarized data are shown in Table 18. Month-wise and consolidated supply/demand situation is presented in Annex-10 and 18. Month-wise nutrient availability, its offtake and offtake as proportion to supply may be seen in Table 20.

## **8. FERTILIZER AVAILABILITY DURING RABI SEASON 2022-23**

### **8.1 Domestic production**

During Rabi 2022-23 (October–March), the domestic industry produced about 3,965 thousand product tonnes or 1,777 thousand nutrient tonnes (4,691 thousand product tonnes or 2,145 thousand nutrient tonnes in Rabi 2021-22) showing a decrease of 15.5 per cent in product terms and 17.1 per cent in nutrient terms compared with Rabi 2021-22. Nitrogen production was 1,574 thousand tonnes (1,812 thousand nutrient tonnes during Rabi 2021-22) showing a decrease of 13.1 per cent while phosphate production decreased by 37.9 per cent. Nitrogen occupied 88.6 per cent share in total domestic production, while phosphate accounted for 11.2 per cent share. Reduction in domestic production is due to two reasons (i) Two SNGPL based plants were operational for three months compared to previous Rabi season when these were operational for entire season. (ii) FFBL DAP plant was kept shutdown for almost half of Rabi season due to high inventory and price reduction in international market.

Of the seven fertilizer products produced in the country, the share of urea in the total production during Rabi 2022-23 was 73.8 per cent (70.5 per cent in Rabi 2021-22) followed by CAN 10 per cent (9 per cent during Rabi 2021-22), NP 9.4 per cent (9.1 per cent in Rabi 2021-22), DAP 5.7 per cent (9.5 per cent during Rabi 2021-22), SSP 1.0 per cent (same as during Rabi 2021-22), NPK's of various grades 0.3 per cent (0.9 per cent during Rabi 2021-22) and SOP 0.1 per cent (1.17 per cent during Rabi 2021-22). Urea production was 2,927 thousand product tonnes during Rabi 2022-23, showing a decrease of 11.5 per cent over previous season 2021-22. The production of SSP decreased by 17.4 per cent while, that of DAP decreased by 49.4 per cent. The production of NP decreased by 12.4 per cent. Tonnage-wise, the domestic industry produced the following quantities during Rabi 2022-23: Urea 2,927, DAP 226, NP 374, CAN 382, SSP 40, various grades of NPK's 12 and SOP 3 thousand tonnes.

The data are summarized in Table 21. The details may be seen in Annex-19, 22 and consolidated data in Annex-23.

### **8.2 Imports**

Fertilizer imports during Rabi 2022-23 were about 614 thousand tonnes which represented an increase of 10 per cent compared with Rabi 2021-22. In nutrient terms, 336 thousand tonnes were imported which was 7 per cent less than that of previous Rabi season.

Nitrogen and phosphate imports occupied 57.2 and 41.4 per cent share in the total imports, respectively. Volume of imported fertilizer during Rabi 2022-23 comprised of Urea 297, DAP 302, SOP 9, AS 6 and 0.3 thousand tonnes each of TSP and MAP. The summarized product-wise and nutrient-wise data are given in Table 22. Month-wise details are presented in Annex-20.

**Table 21. Domestic fertilizer production during Rabi 2022-23**

Products	Manufacturer	Rabi 2021-22		Rabi 2022-23		Per cent change over Rabi 2021-22
		Production ('000 t)	Per cent share	Production ('000 t)	Per cent share	
<b>PRODUCTS</b>						
UREA	Fatimafert (DHCL)	251	5.3	131	3.3	-47.9
UREA	EFERT	1113	23.7	963	24.3	-13.5
UREA(PFL)	PAK ARAB	46	1.0	33	0.8	-28.6
UREA(PAFL)	Agritech	195	4.1	96	2.4	-50.5
UREA (Prilled)	FFC	828	17.6	795	20.1	-3.9
UREA (Granular)	FFBL	238	5.1	226	5.7	-5.2
UREA (PSFL)	FFC	448	9.5	434	11.0	-2.9
UREA	Fatima	193	4.1	250	6.3	29.6
<b>UREA</b>	<b>TOTAL</b>	<b>3,309</b>	<b>70.5</b>	<b>2927</b>	<b>73.8</b>	<b>-11.5</b>
SSP (H. PUR 18%)	Agritech	33	0.7	36	0.9	6.7
SSP	Suraj Fertilizers	14	0.3	4	0.1	-68
SSP	Safi Chemicals	1.4	0.03	0.0	0.00	-98
<b>SSP</b>	<b>TOTAL</b>	<b>49</b>	<b>1.0</b>	<b>40</b>	<b>1.0</b>	<b>-17.4</b>
NP	PAK ARAB	179	3.82	130	3.3	-27
NP	EFERT	37	0.8	26	0.6	-31.4
NP	Fatima	211	4.5	219	5.5	3.7
<b>NP</b>	<b>TOTAL</b>	<b>427</b>	<b>9.1</b>	<b>374</b>	<b>9.4</b>	<b>-12.4</b>
CAN	PAK ARAB	186	3.96	124	3.1	-33
CAN	Fatima	222	4.7	257	6.5	16
<b>CAN</b>	<b>TOTAL</b>	<b>408</b>	<b>9</b>	<b>382</b>	<b>10</b>	<b>-6.5</b>
SONA-DAP	FFC	448	9.5	226	5.7	-49.4
SOP	Pacific Exim Pvt Ltd.	8	0.17	3	0.1	-60
NPK (Various Grades)	EFERT	43	0.9	12	0.3	-72.5
NPK (Various Grades)	Safi Chemicals	-	-	-	-	-
<b>ALL PRODUCTS</b>	<b>TOTAL</b>	<b>4,691</b>	<b>100</b>	<b>3,965</b>	<b>100.0</b>	<b>-15.5</b>
<b>NUTRIENTS</b>						
	Nitrogen Total	1812	84.5	1574	88.6	-13.1
	Phosphate Total	321	15.0	200	11.2	-37.9
	Potash Total	12	0.6	4	0.2	-68.9
	<b>Nutrients Total</b>	<b>2145</b>	<b>100</b>	<b>1777</b>	<b>100</b>	<b>-17.1</b>

Note: Detailed data may be seen in Annex-19.

**Table 22. Fertilizer imports during Rabi 2022-23**

Products	Rabi 2021-22		Rabi 2022-23		Per cent change over Rabi 2021-22
	Imports ('000t)	Per cent share	Imports ('000t)	Per cent share	
<b>PRODUCTS</b>					
Urea	100	18.0	297	48	48
DAP	394	70.8	302	49	-23
SOP	12	2.1	9	1.5	-20
MOP	27	4.9	-	-	-100
AS	8	1.4	6	0.9	-27
TSP	-	-	0.3	-	-
MAP	16	2.8	0.3	0.0	-98
<b>All Products</b>	<b>557</b>	<b>100</b>	<b>614</b>	<b>100</b>	<b>10</b>
<b>NUTRIENTS</b>					
Nitrogen	101	28.0	192	57.2	90
Phosphate	247	68.3	139	41.4	-44
Potash	14	3.8	5	1.4	-65
<b>Total</b>	<b>362</b>	<b>100</b>	<b>336</b>	<b>100</b>	<b>-7</b>

Note: Quantities less than one thousand tonnes are not reported in this Table.

## 9. FERTILIZER OFFTAKE / CONSUMPTION DURING RABI 2022-23

### 9.1 Fertilizer offtake / use by nutrients

Rabi 2022-23 showed a decrease of 3.6 per cent in terms of nutrient offtake over last Rabi 2021-22 (Table 23). Total offtake was 2,420 thousand nutrient tonnes. Nitrogen offtake showed an increase by 1.7 per cent (1.2 per cent increase during Rabi 2021-22) while phosphate offtake decreased by 18.8 per cent (11.7 per cent decrease during Rabi 2021-22). Potash offtake also decreased by 47.6 per cent (8.2 per cent increase in Rabi 2021-22). Nitrogen claimed 80.7 per cent share in total nutrient offtake (76.5 per cent during Rabi 2021-22). Phosphate offtake captured 18.5 per cent share (22.0 per cent during Rabi 2021-22), while potash share remained 0.8 per cent during Rabi 2022-23.

The summarized data are presented in Table 23, 25 and Annex-21 and the monthly nutrient offtake during Rabi 2022-23 compared with the last four seasons are given in Annex-3.

**Table 23. Fertilizer nutrient offtake during Rabi 2022-23 compared with previous seasons**

							('000 tonnes)
Nutrient	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	
Nitrogen	1,781	1,727	1,658	1,898	1,920	1,952	
Phosphate	735	604	583	625	552	448	
Potash	29.0	25.8	24.8	34.9	37.7	19.8	
<b>Total</b>	<b>2,545</b>	<b>2,357</b>	<b>2,266</b>	<b>2,558</b>	<b>2,510</b>	<b>2,420</b>	
<b>N:P Ratio</b>	<b>2.42</b>	<b>2.86</b>	<b>2.85</b>	<b>3.04</b>	<b>3.48</b>	<b>4.35</b>	
							(% Change)
Nitrogen		-3.1	-4.0	14.4	1.2	1.7	
Phosphate		-17.7	-3.6	7.3	-11.7	-18.8	
Potash		-10.7	-4.1	40.6	8.2	-47.6	
<b>Total</b>		<b>-7.4</b>	<b>-3.9</b>	<b>12.9</b>	<b>-1.9</b>	<b>-3.6</b>	

## 9.2 Province-wise nutrient offtake during Rabi 2022-23

At national level nutrient offtake during Rabi 2022-23 decreased by 3.6 per cent. At provincial level, decrease of 6.7 and 2.4 per cent over Rabi 2021-22 was witnessed in Punjab and Sindh (Table 24). However, offtake in KP and Balochistan increased by 16.0 and 48.8 per cent, respectively.

Nutrient-wise, nitrogen offtake during Rabi 2022-23 witnessed an increase of 1.7 per cent at national level. Offtake of nitrogen in Sindh, KP and Balochistan increased by 3.8, 19.5 and 56.5 per cent, respectively. However, nitrogen offtake decreased by 1.8 per cent in Punjab.

Phosphate offtake during Rabi 2022-23 decreased by 18.8 per cent at national level. At provincial level, decrease of 21.7 and 18.9 per cent was observed in Punjab and Sindh, whereas increase of 5.1 and 29.5 per cent was observed in KP and Balochistan, respectively.

Potash offtake also witnessed a decrease of 47.6 per cent over 2021-22 at national level. Province wise offtake of potash decreased by 39.4, 66.8, 11.2 and 58.6 per cent in Punjab, Sindh, KP and Balochistan, respectively.

The share of Punjab in overall nutrient offtake on five-year average basis was 69.5 per cent, followed by Sindh 23.0 per cent, KP 4.3 per cent and Balochistan 3.2 per cent, respectively. Aggregated data comparing the last five seasons are reflected in Table 24 and the detailed month, province and nutrient-wise data for Rabi 2022-23 compared with the last 5 seasons are presented in Annex-4.

**Table 24. Province-wise nutrient offtake during Rabi 2022-23 compared with previous Rabi seasons**

('000 tonnes)

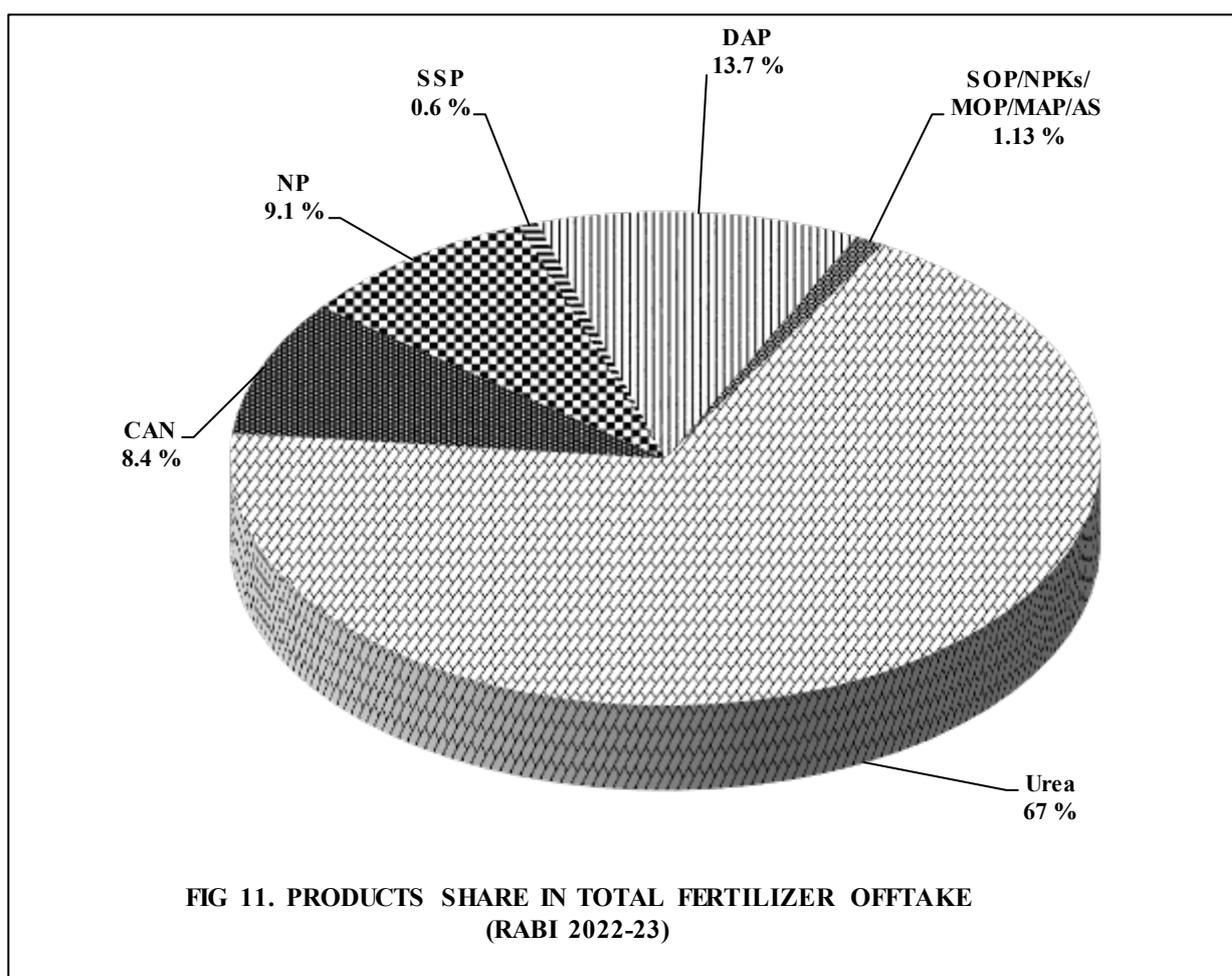
Province	Rabi 2018-19	Rabi 2019-20	Rabi 2020-21	Rabi 2021-22	Rabi 2022-23	Per cent change over Rabi 2021-22	Provincial share (Average of 5 years) Per cent
<b>Total</b>							
Punjab	1,645	1,526	1,806	1,779	1,660	-6.7	69.5
Sindh	548	537	561	576	562	-2.4	23.0
KP	94	99	115	98	114	16.0	4.3
Balochistan	70	103	76	57	84	48.8	3.2
<b>Total</b>	<b>2,357</b>	<b>2,266</b>	<b>2,558</b>	<b>2,510</b>	<b>2,420</b>	<b>-3.6</b>	<b>100</b>
Per cent change over previous year		-3.9	12.9	-1.9	-3.6		
<b>Nitrogen</b>							
Punjab	1,200	1,108	1,327	1,358	1,334	-1.8	69.1
Sindh	406	401	424	444	461	3.8	23.3
KP	71	74	87	75	90	19.5	4.3
Balochistan	51	75	59	43	67	56.5	3.2
<b>Total</b>	<b>1,727</b>	<b>1,658</b>	<b>1,898</b>	<b>1,920</b>	<b>1,952</b>	<b>1.7</b>	<b>100</b>
Per cent change over previous year		-4.0	14.4	1.2	1.7		
<b>Phosphate</b>							
Punjab	427	400	454	398	312	-21.7	70.8
Sindh	137	132	130	120	97	-18.9	21.9
KP	21	23	25	21	22	5.1	4.0
Balochistan	19	27	16	13	17	29.5	3.3
<b>Total</b>	<b>604</b>	<b>583</b>	<b>625</b>	<b>552</b>	<b>448</b>	<b>-18.8</b>	<b>100</b>
Per cent change over previous year		-3.6	7.3	-11.7	-18.8		
<b>Potash</b>							
Punjab	18	18	24	23	14	-39.4	68.3
Sindh	5	4	7	12	4	-66.8	22.7
KP	2	2	2	1	1	-11.2	6.3
Balochistan	0.9	0.9	1.1	0.7	0.3	-58.6	2.7
<b>Total</b>	<b>25.9</b>	<b>24.8</b>	<b>34.9</b>	<b>37.7</b>	<b>19.8</b>	<b>-47.6</b>	<b>100</b>
Per cent change over previous year		-4.1	40.6	8.2	-47.6		

### 9.3 Fertilizer offtake / use by product during Rabi 2022-23

A total of 5,181 thousand product tonnes were consumed during Rabi 2022-23, which represented a decrease of 2.4 per cent over last Rabi season (Table 25). The offtake of domestic products decreased by 5.1 per cent, while that of imported fertilizers increased by 18.9 per cent as compared to Rabi 2021-22.

Among various products, urea accounted for 67.0 per cent share in total fertilizer offtake, followed by DAP with 13.7 per cent (**Figure 11**). The shares of CAN, NP and SSP were 8.4, 9.1 and 0.6 per cent, respectively. The cumulative share of remaining products was 1.13 per cent. The share of domestic products in total fertilizer offtake was 85.9 per cent (88.4 per cent during Rabi 2021-22), while that of imported fertilizer 14.1 per cent (11.6 per cent during Rabi 2021-22).

The consolidated product-wise fertilizer offtake during Rabi 2021-22 and Rabi 2022-23 is presented in Table 25. Detailed month-wise and product-wise offtake is given in Annex-10, 21 and consolidated in Annex-23.



**Table 25. Product-wise fertilizer offtake during 2022-23**

('000 tonnes)

Products	Rabi 2021-22	Per cent Share	Rabi 2022-23	Per cent Share	Per cent change over 2021-22
Urea domestic	3320	62.6	3074	59.3	-7.4
Urea imported	-	-	395	7.6	-
<b>Total Urea</b>	<b>3,320</b>	<b>62.6</b>	<b>3469</b>	<b>67.0</b>	<b>4.5</b>
CAN domestic	450	8.5	437	8.4	-3.0
NP domestic	422	8.0	470	9.1	11.4
NP Imported	-	-	-	-	-
<b>Total NP</b>	<b>422</b>	<b>8.0</b>	<b>470</b>	<b>9.1</b>	<b>11.4</b>
SSP domestic	60	1.1	32	0.6	-46.3
SSP Imported	-	-	-	-	-
<b>Total SSP</b>	<b>60</b>	<b>1.1</b>	<b>32</b>	<b>0.6</b>	<b>-46.3</b>
DAP domestic	390	7.3	408	7.9	4.5
DAP Imported	537	10.1	302	5.8	-43.6
<b>Total DAP</b>	<b>927</b>	<b>17.5</b>	<b>710</b>	<b>13.7</b>	<b>-23.4</b>
TSP Imported	-	-	0.30	0.01	-
SOP domestic	7	0.1	8	0.15	13.7
SOP Imported	15	0.3	16	0.3	7.3
NPK's domestic	44	0.8	23	0.4	-46.9
MOP Imported	31	0.6	6	0.1	-81.0
MAP Imported	14	0.26	2	0.03	-87.8
AS Imported	17	0.31	8	0.14	-54.6
<b>Grand Total</b>	<b>5,306</b>	<b>99.9</b>	<b>5181</b>	<b>100.0</b>	<b>-2.4</b>
<b>Total domestic</b>	<b>4,693</b>	<b>88.4</b>	<b>4452</b>	<b>85.9</b>	<b>-5.1</b>
<b>Total Imported</b>	<b>613</b>	<b>11.6</b>	<b>729</b>	<b>14.1</b>	<b>18.9</b>
<b>A. DOMESTIC</b>					
Nitrogen	1818	72.5	1714	70.8	-5.8
Phosphate	299	11.9	308	12.7	3.3
Potash	12	0.5	8	0.3	-29.1
<b>Total</b>	<b>2,128</b>	<b>84.8</b>	<b>2030</b>	<b>83.9</b>	<b>-4.6</b>
<b>B. IMPORTED</b>					
Nitrogen	101	4.0	238	9.8	134.5
Phosphate	254	10.1	140	5.8	-44.8
Potash	26	1.0	12	0.5	-55.8
<b>Total</b>	<b>381</b>	<b>15.2</b>	<b>390</b>	<b>16.1</b>	<b>2.2</b>
<b>Grand Total (A+B)</b>	<b>2,510</b>	<b>100.0</b>	<b>2,420</b>	<b>100.0</b>	<b>-3.6</b>
<b>C. TOTAL</b>					
Nitrogen	1,920	76.5	1,952	80.7	1.7
Phosphate	552	22.0	448	18.5	-18.8
Potash	38	1.5	19.8	0.8	-47.6
<b>Total</b>	<b>2,510</b>	<b>100.0</b>	<b>2,420</b>	<b>100.0</b>	<b>-3.6</b>

#### 9.4 Province-wise urea and DAP offtake / consumption during Rabi 2022-23

Urea offtake during Rabi 2022-23 increased by 4.5 per cent over Rabi 2021-22 at national level (Table 26). At provincial level, increase by 0.6, 8.0, 20.6 and 64.3 per cent was recorded in Punjab, Sindh, KP and Balochistan, respectively.

At national level, DAP offtake witnessed a decrease of 23.4 per cent during Rabi 2022-23 as compared to same time frame of Rabi 2021-22. Province wise a decrease of 26.5, 19.2 and 7.9 per cent was observed in Punjab, Sindh and KP while increase of 20.3 per cent was recorded in Balochistan.

On five years data average basis, the share of Punjab in urea offtake was 68.6 per cent, Sindh 23.5, KP 4.7 and Balochistan 3.2 per cent. As regards DAP offtake on provincial basis, Punjab's share was 71.8 per cent, Sindh 21.6, KP 3.5 and Balochistan 3.1 per cent. It may be pointed out that the provincial shares remained more or less the same for both products.

Province-wise summary in respect of urea and DAP during Rabi 2022-23 compared with the last five seasons is presented in Table 26. Detailed province-wise urea and DAP offtake comparison of Rabi 2022-23 with last five seasons is given in Annexure-6 whereas province-wise offtake of all products for Rabi 2021-22 and 2022-23 is given at Annex-7.

**Table 26. Province-wise offtake of urea and DAP during Rabi 2022-23 compared with previous seasons**

Province						('000 tonnes)	
	Rabi 2018-19	Rabi 2019-20	Rabi 2020-21	Rabi 2021-22	Rabi 2022-23	Per cent change Over Rabi 2021-22	Provincial share (Average of 5 years) Per cent
<b>Urea</b>							
Punjab	2091	1897	2214	2350	2363	0.6	68.6
Sindh	719	706	743	755	815	8.0	23.5
KP	132	139	164	143	172	20.6	4.7
Balochistan	91	130	104	72	118	64.3	3.2
<b>Total</b>	<b>3,033</b>	<b>2,872</b>	<b>3,225</b>	<b>3,320</b>	<b>3,469</b>	<b>4.5</b>	<b>100.0</b>
Per cent change over previous year		-5.3	12.3	3.0	4.5		
<b>DAP</b>							
Punjab	829	753	818	682	501	-26.5	71.8
Sindh	261	239	225	194	157	-19.2	21.6
KP	38	36	39	31	29	-7.9	3.5
Balochistan	36	51	27	20	24	20.3	3.1
<b>Total</b>	<b>1,164</b>	<b>1,079</b>	<b>1,108</b>	<b>927</b>	<b>710</b>	<b>-23.4</b>	<b>100.0</b>
Per cent change over previous year		-7.3	2.7	-16.4	-23.4		

## 10. SUPPLY / DEMAND SITUATION DURING RABI 2022-23

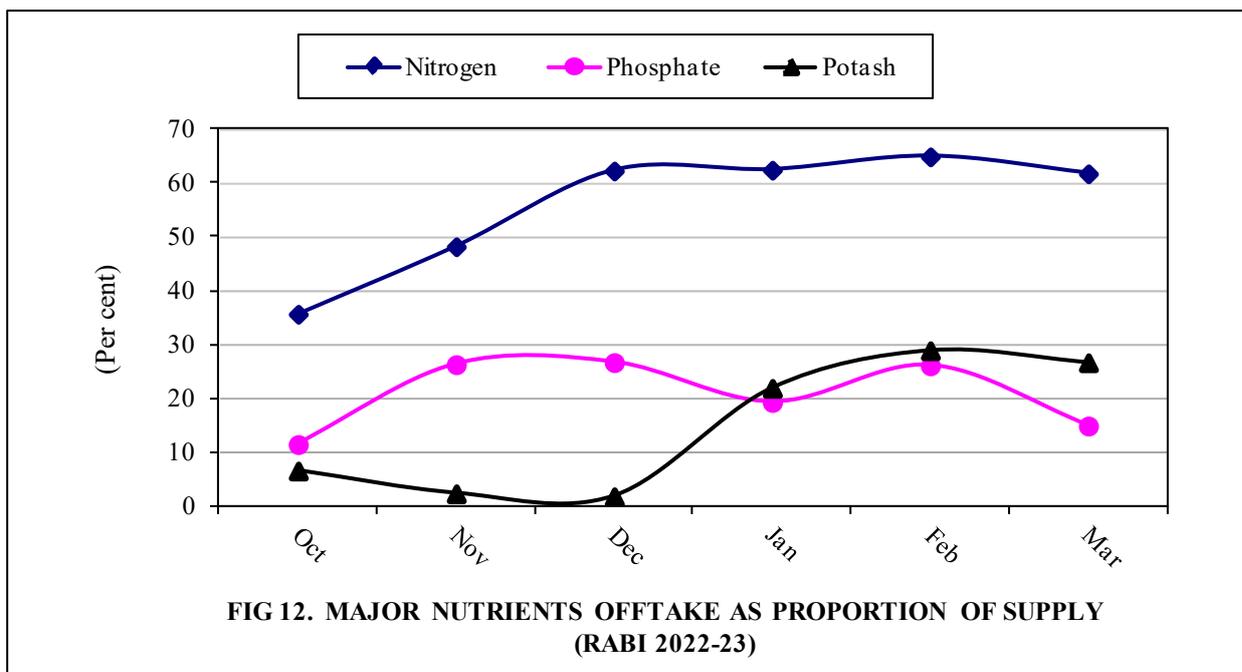
### 10.1 Nutrient-wise supply / demand situation

Rabi 2022-23 started with an opening inventory of about 671 thousand nutrient tonnes. Domestic production was about 1,777 thousand nutrient tonnes. Imports were 336 thousand nutrient tonnes. Total availability was therefore, 2,784 thousand nutrient tonnes (Table 27). Total nutrient offtake during Rabi 2022-23 was about 2,420 thousand nutrient tonnes. The closing stock was 379 thousand tonnes. **Figure 12** presents major nutrients offtake as proportion of supply during Rabi 2022-23. It may be seen that nitrogen offtake as proportion of supply did not exceed 80 per cent mark during Rabi 2022-23, which is a sign of comfortable situation (Table 28).

**Table 27 Fertilizer supply/demand situation during Rabi 2022-23**

Description	(000 tonnes)						
	Nitrogen	Phosphate	Potash	Total	Urea	DAP	Nitrophos
Opening Balance	338	314	19	671	294	460	480
	(205)	(233)	(17)	(456)	(116)	(353)	(334)
Domestic production	1574	200	4	1,777	2927	226	374
	(1,812)	(321)	(12)	(2,145)	(3309)	(448)	(427)
Imports	192	139	5	336	297	302	-
	(120)	(189)	(22)	(332)	(100)	(394)	-
<b>Total Availability</b>	<b>2,104</b>	<b>653</b>	<b>27</b>	<b>2,784</b>	<b>3,518</b>	<b>989</b>	<b>855</b>
	(2,137)	(744)	(52)	(2,933)	(3,526)	(1,195)	(762)
Offtake	1952	448	20	2,420	3469	710	470
	(1,920)	(552)	(38)	(2,510)	(3320)	(927)	(422)
Exports	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
Adjustment (+)(-)	10	-1	5	14	20	-4	3
	(0.1)	(5)	(2)	(7)	(-6)	(8)	(1)
National Inventory	162	204	13	379	69	275	388
	(217)	(196)	(16)	(430)	(200)	(276)	(340)

*Note: Figures in parenthesis are for Rabi 2021-22. Quantities less than one thousand are not given in this Table. Small variations may be due to rounding of figures.*



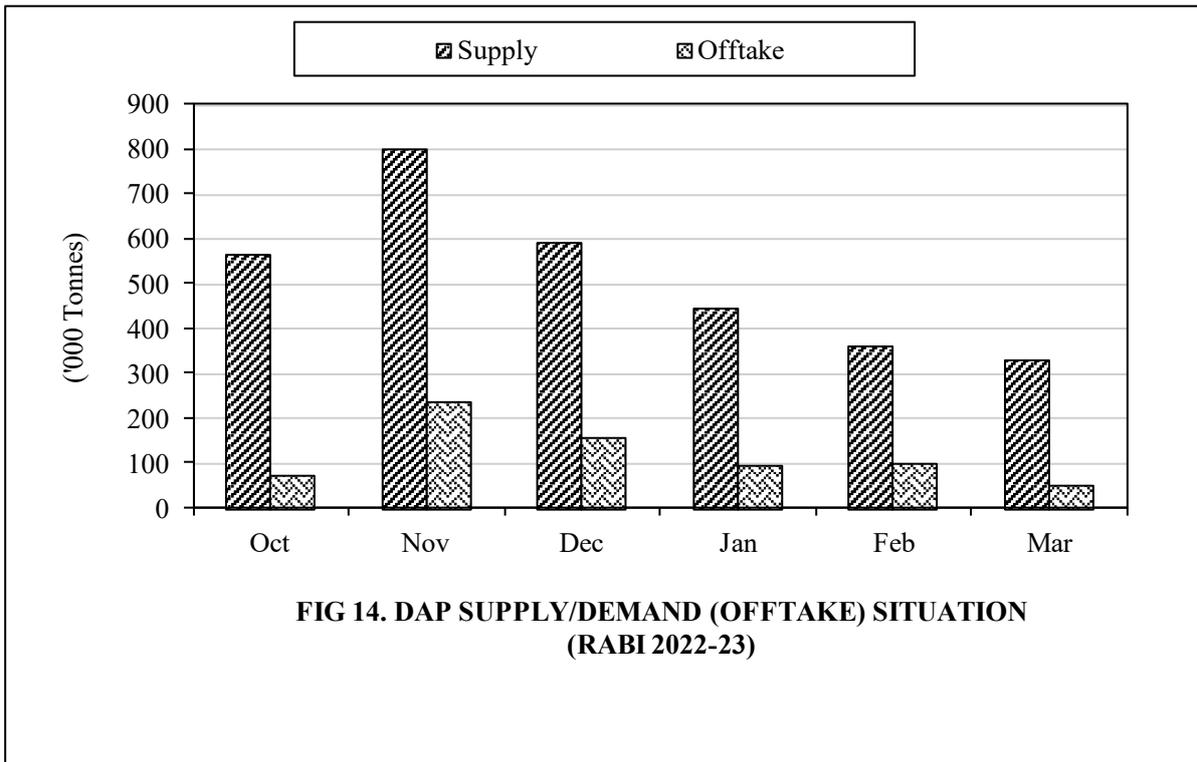
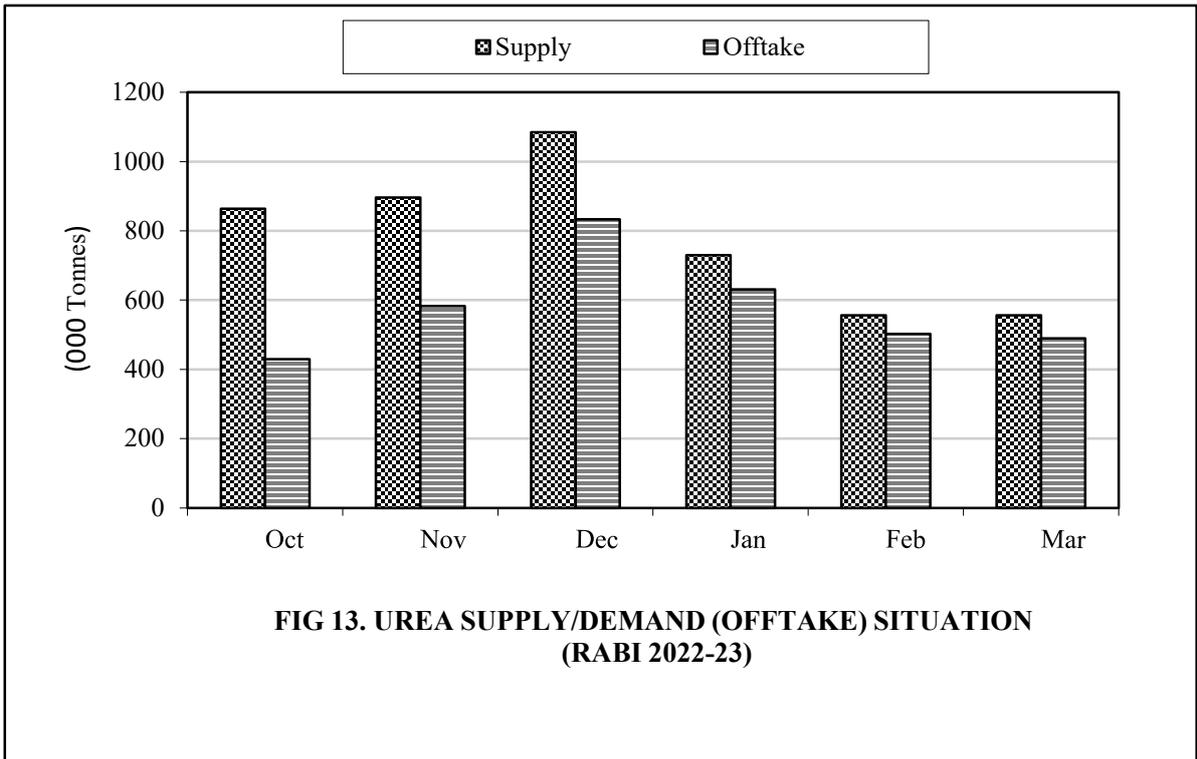
The data are summarized in Table 27. The month-wise nutrient supply/demand situation during Rabi 2022-23 may be seen in Annex-8. Consolidated nutrient-wise supply/demand situation may be seen at Annex-22 and month-wise availability and offtake as proportion of availability is reflected in Table 28.

**Table 28. Total supply and offtake of fertilizer nutrients during Rabi 2022-23**

Months	Total availability ('000 tonnes)			Offtake ('000 tonnes)			Offtake as proportion of availability (per cent)		
	Nitrogen	Phosphate	Potash	Nitrogen	Phosphate	Potash	Nitrogen	Phosphate	Potash
Oct-22	659	384	25	235	44	1.6	36	11	6
Nov-22	729	501	26	351	132	0.6	48	26	2
Dec-22	775	402	26	482	107	0.4	62	27	2
Jan-23	545	315	28	340	60	6.1	62	19	22
Feb-23	436	268	22	283	70	6.5	65	26	29
Mar-23	422	240	17	260	36	4.6	62	15	27

## 10.2 Urea supply / demand situation during Rabi 2022-23

Rabi 2022-23 started with a balance of about 294 thousand tonnes of urea. Domestic production was about 2,927 thousand tonnes and 297 thousand tonnes was imported supply. Thus, total availability was 3,518 thousand tonnes (Table 27). Urea offtake during Rabi 2022-23 was 3,469 thousand tonnes, which showed an increase of 4.5 per cent compared with Rabi 2021-22. Urea offtake as proportion of supply was above 80 per cent mark from January to March 2023 which reflects tight availability (**Figure 13**). The closing stock was 69 thousand tonnes, at the end of March 2023 (Table 27 and 29). Supply vs. offtake is shown in **Figure 14**.



Urea offtake during Rabi 2022-23 compared with last seasons is shown in Annex-6. Month-wise and consolidated supply/demand situation during Rabi 2022-23 is presented in Annex-10 and the consolidated Rabi 2022-23 situation in Annex-23.

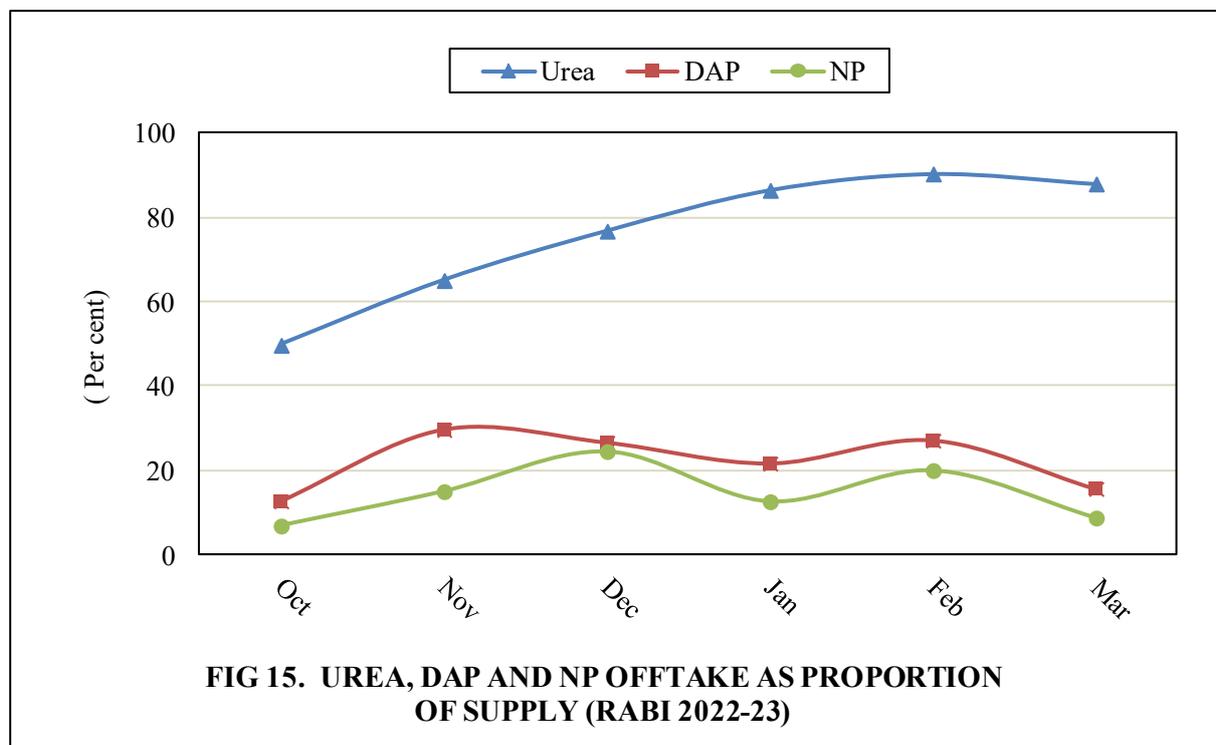
### 10.3 DAP supply / demand situation during Rabi 2022-23

Rabi 2022-23 started with an opening inventory of 460 thousand tonnes of DAP. Total availability, based on opening stock, domestic production (226) and imports (302) was 989 thousand tonnes (Table 27). Total DAP offtake was 710 thousand tonnes, which decreased by 23.4 per cent compared with last Rabi season. The closing stock worked out as 275 thousand tonnes by the end of March 2023 (Annex-23). Month-wise DAP availability, its offtake and offtake as proportion of supply are shown in Table 29. Month-wise and consolidated supply/demand situation in respect of DAP and all other products is presented in Annex 10 and Annex 23. Supply vs offtake is shown in **Figure 15**.

### 10.4 Nitrophos supply / demand situation during Rabi 2022-23

Rabi 2022-23 started with an opening stock of 480 thousand tonnes. Total availability based on opening stock and domestic production of 374 thousand tonnes was 855 thousand tonnes (762 thousand tonnes during Rabi 2021-22). Total nitrophos offtake during the season was 470 thousand tonnes (422 thousand tonnes during 2021-22) leaving a closing stock of 388 thousand tonnes.

The summarized data are shown in Table 27. Month-wise NP supply/demand situation is given in Annex-10. Consolidated NP supply/demand situation is in Annex-23. Month-wise availability of the three major fertilizer products and their offtake and offtake as proportion of supply may be seen in Table 29.



**Table 29. Total supply and offtake of principal products during Rabi 2022-23**

Months	Total availability (‘000 tonnes)			Offtake (‘000 tonnes)			Offtake as proportion of availability (per cent)		
	UREA	DAP	NP	UREA	DAP	NP	UREA	DAP	NP
Oct-22	864	565	565	430	71	38	50	13	7
Nov-22	896	799	606	583	236	91	65	30	15
Dec-22	1085	593	590	833	158	145	77	27	24
Jan-23	730	443	510	631	96	64	87	22	13
Feb-23	556	361	478	503	98	95	90	27	20
Mar-23	556	328	425	489	51	37	88	16	9

**11. FERTILIZER PRICES****11.1 Domestic retail prices during Kharif 2022**

Fertilizer market is deregulated and prices vary from place to place. Generally, prices are higher in north of the country than south due to transport charges. Table 30 presents the average fertilizer market prices collected from 12 cities of the country during 2022-23. The average market prices of all fertilizer products increased during Kharif 2022. Prices of urea (sona) and urea (other) witnessed an increase of 15.7 per cent and 19.4 per cent, respectively. Price of DAP and NP increased by 33.4 and 24.0 per cent. Price of CAN increased by 26.5, SOP by 52.2, SSP (G) by 32.2 and various grade of NPKs by 28.5 per cent during Kharif 2022. The average price of urea (Sona), urea (other) and DAP was Rs. 2,270, Rs. 2,170 and Rs. 11,128 per 50 kg bag, respectively.

**Table 30. Average Fertilizer Retail Sale Prices from April 2022 to June 2023**

Month	(Rs. per 50 Kg bag)									
	Urea Sona	Urea Other	DAP	NP	CAN	SOP	TSP	SSP(P)	SSP(G)	NPK
<b>Kharif 2022</b>										
Apr-22	2096	1998	9396	5977	1748	9694	-	-	2265	6503
May-22	2152	2046	9703	6087	1794	9781	-	-	2409	6592
Jun-22	2148	1992	10316	6603	1899	11366	-	-	2658	7150
Jul-22	2376	2258	12120	7447	2108	14318	-	-	2897	7856
Aug-22	2424	2337	12698	7451	2151	14788	-	-	2959	8253
Sep-22	2425	2386	12532	7411	2212	14750	-	-	2995	8356
<b>Kharif Average Price</b>	<b>2270</b>	<b>2170</b>	<b>11128</b>	<b>6829</b>	<b>1985</b>	<b>12450</b>	-	-	<b>2697</b>	<b>7452</b>
% change in Sep,22 over Apr, 22	15.7	19.4	33.4	24.0	26.5	52.2	-	-	32.2	28.5
<b>Rabi 2022-23</b>										
Oct-22	2433	2396	12529	7180	2284	14545	-	-	3009	8374
Nov-22	2471	2396	10793	6217	2320	13993	-	-	2823	8070
Dec-22	2558	2466	9571	5295	2325	13585	-	-	2538	7982
Jan-23	2750	2632	9724	5577	2390	14340	-	-	2522	8232
Feb-23	2900	2764	10434	5827	2486	13378	-	-	2528	8359
Mar-23	2885	2720	10544	5948	2673	12907	-	-	2555	8238
<b>Rabi Average Price</b>	<b>2666</b>	<b>2562</b>	<b>10599</b>	<b>6007</b>	<b>2413</b>	<b>13791</b>	-	-	<b>2663</b>	<b>8209</b>
% change in Mar,23 over Oct, 22	18.6	13.5	-15.8	-17.2	17.0	-11.3	-	-	-15.1	-1.6
Apr-23	2998	2916	10405	5896	2884	12536	-	-	2505	8186
May-23	3078	3016	10152	5687	2873	12274	-	-	2540	8121
Jun-23	3040	2949	9583	5574	2831	11655	-	-	2501	7956
<b>Average from July,2022 to June,23</b>	<b>2695</b>	<b>2603</b>	<b>10924</b>	<b>6293</b>	<b>2461</b>	<b>13589</b>	-	-	<b>2698</b>	<b>8165</b>
% change in June over July	27.9	30.6	-20.9	-25.2	34.3	-18.6	-	-	-13.7	1.3

Source: Pakistan Bureau of Statistics, Islamabad

## **11.2 Domestic retail prices during Rabi 2022-23**

Prices of nitrogenous fertilizer products increased during Rabi 2022-23. Average prices of urea (sona), urea (other) and CAN increased by 18.6, 13.5 and 17.0 per cent, respectively. Decrease in price of DAP, NP, SOP, SSP (G) and NPK was recorded by 15.8, 17.2, 11.3, 15.1 and 1.6 per cent, respectively. This decrease is mainly due to downward trend of fertilizer prices in international market. The average price of urea (Sona), urea (other) and DAP was Rs. 2,666, Rs. 2,562 and Rs. 10,599 per 50 kg bag, respectively.

## **11.3 Domestic prices during 2022-23**

Prices of nitrogenous fertilizers increased significantly during fiscal year 2022-23. The average price of urea (sona) increased by 27.9 per cent, urea (other) by 30.6, CAN by 34.3 and NPK by 1.3 per cent. The prices of DAP, NP, SOP and SSP(G) decreased by 20.9, 25.2, 18.6 and 13.7 per cent, respectively. The average price of urea (Sona), urea (other) and CAN was Rs. 2,695, Rs. 2,603 and Rs. 2,461 per 50 kg bag, respectively while average price of DAP, NP and SOP remained around Rs. 10,924, Rs. 6,293 and Rs. 13,589 per 50 kg bag, respectively.

## **11.4 International prices**

The average fertilizer prices of urea, DAP and TSP prevalent in international markets during Kharif 2022, Rabi 2022-23 and Fiscal Year 2022-23 are given in Table 31.

### **11.4.1 Kharif Season 2022**

Urea prices in international market during Kharif 2022 decreased by 25.2 per cent in Middle East and 21.9 per cent in China. DAP prices in international market decreased by 23.9 per cent in Australia while by 27.5 per cent in China market. Price of urea was in range of US \$ 491.3 to 854.4 per tonne FOB while that of DAP ranged between US \$ 774.4 to 1067.5 per tonne FOB. Price of TSP decreased by 28.5 per cent.

### **11.4.2 Rabi Season 2022-23**

During Rabi 2022-23, average monthly urea prices in China market ranged between US \$ 364.6 to 603.6 FOB/t while in Middle East, it ranged between US \$ 313.1 to 610.5 FOB/t. Urea prices in Middle East decreased by 48.7 per cent while in China market, it decreased by 39.6 per cent. Price of DAP in Australia decreased by 18 per cent while by 15.0 per cent in China. A decrease of 33.3 per cent was observed in price of TSP in Tunisia.

### **11.4.3 Fiscal year 2022-23**

During 2022-23, urea fob prices fluctuated between US \$ 280.0 to 639.4/t in Middle East and US\$ 296.1 to 603.6/t in China market. Price of urea decreased by 48.8 per cent in Middle East

while by 42.1 per cent in China market. DAP price witnessed a decrease of 50 per cent in Australia from US \$ 921.3 in July 2022 to US \$ 460.6/t FOB in June 2023. DAP price in China market decreased by 50.3 per cent from US \$ 924.4 per tonne FOB in July 2022 to US \$ 459.7 per tonne in June 2023. Price of TSP decreased by 59.2 per cent from US \$ 887.6 per tonne FOB in July 2022 to US \$ 362.4 per tonne FOB in June 2023.

**Table 31. Average International Fertilizer Prices during 2022-23**

Seasons/Month/Year	(FOB Prices US \$/tonne)				
	Urea Middle East	Urea China	DAP Australia	DAP China	TSP Tunisia
<b>Kharif 2022</b>					
Apr-22	854.4	748.8	1038.8	1067.5	1029.4
May-22	685.1	664.4	1060.6	1012.5	963.8
Jun-22	587.8	573.0	955.0	971.0	511.3
Jul-22	547.0	511.3	921.3	924.4	887.6
Aug-22	596.9	491.3	842.5	877.5	806.3
Sep-22	639.4	585.0	790.4	774.4	735.6
<b>Kharif Average Price</b>	<b>651.8</b>	<b>595.6</b>	<b>934.8</b>	<b>937.9</b>	<b>822.3</b>
% change in Sep,22 over Apr, 22	-25.2	-21.9	-23.9	-27.5	-28.5
<b>Rabi 2022-23</b>					
Oct-22	610.5	603.6	742.5	713.1	664.4
Nov-22	562.3	555.0	666.6	710.0	620.0
Dec-22	485.6	494.4	640.3	700.6	579.4
Jan-23	411.3	430.0	630.0	661.9	551.3
Feb-23	353.8	391.3	623.4	635.0	516.9
Mar-23	313.1	364.6	608.9	606.3	443.1
<b>Rabi Average Price</b>	<b>456.1</b>	<b>473.1</b>	<b>651.9</b>	<b>671.1</b>	<b>562.5</b>
% change in Mar,23 over Oct, 23	-48.7	-39.6	-18.0	-15.0	-33.3
<b>Fiscal year 2022-23</b>					
Apr-23	311.5	351.3	547.3	546.0	414.5
May-23	320.0	329.4	493.0	500.6	394.4
Jun-23	280.0	296.1	460.6	459.7	362.4
<b>Average from July,2022 to June, 2023</b>	<b>452.6</b>	<b>450.3</b>	<b>663.9</b>	<b>675.8</b>	<b>581.3</b>
% change in June,23 over July,22	-48.8	-42.1	-50.0	-50.3	-59.2

Source: *The Argus*

## 12. MARKET SHARES OF FERTILIZER DISTRIBUTING AGENCIES

### 12.1 Marketing agencies in Pakistan

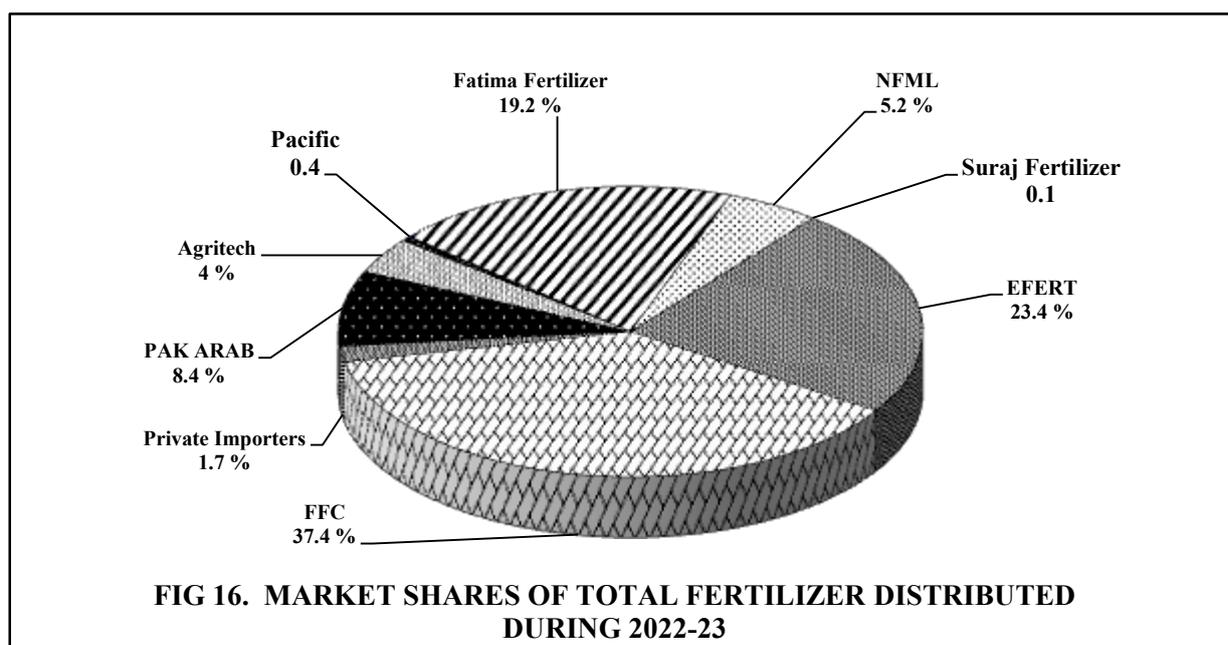
There are eight major private sector producers/distributors having marketing companies operating in the country. Fauji Fertilizer Company (FFC) is the largest urea manufacturing and marketing company. It has a network of about 3,555 dealers spread all over the country. Engro Fertilizer Limited (EFERT) is the oldest marketing company and operates in all the provinces. Fatima Fertilizer has developed a good marketing network throughout Pakistan. Similarly, Agritech Limited (Azgard-9) purchased the urea plant at Mianwali and SSP plant at Haripur. Suraj Fertilizer Industries has a large plant of SSP at Sahiwal and its marketing activities are

confined to Punjab province. Pacific Exim has entered manufacturing of fertilizer by installation of SOP plant at Karachi. Among the importers/marketing agencies in private sector, Jaffer Brothers Limited (JBL) is the oldest in the field. United Agro Chemicals (Pvt.) Limited, United Agro Fertilizers, Chawla International, CINTL trading house, Sun Crop, Neelum Seeds, Premium Petroleum and Agven are in the imports business only and sell imported products throughout the country.

## 12.2 Market shares during 2022-23

During 2022-23, a total quantity of 9,468 thousand tonnes of various products domestically produced as well as imported, were handled by marketing agencies. The private sector manufacturing/marketing agencies (including importers) share was 95 per cent in total fertilizer distribution (99.9 per cent during 2021-22), while 5 per cent was distributed by NFML.

FFC, EFERT, Fatima Fertilizer, Pak-Arab, NFML, Agritech, Suraj Fertilizers and Pacific Exim market shares were 37.4, 23.4, 19.2, 8.4, 5.2, 4.0, 0.1 and 0.46 per cent, respectively. The share of other private importers was 1.71 per cent (**Figure 16**).



Private sector handled about 93 per cent of urea (99.9 per cent during 2021-22). FFC, EFERT, Fatima Fertilizer Limited and Agritech shares in urea marketing were 44, 29, 13 and 4 per cent, respectively, while Pak Arab and Fatima Fert. share was only 1 per cent each. NFML handled 5 per cent of the total urea. The shares of FFC, EFERT, FFL and Pacific Exim in DAP offtake were 61, 21, 3 and 3 per cent, respectively. CAN was moved by Pak Arab (38 per cent) and Fatima Fertilizer Company (62 per cent).

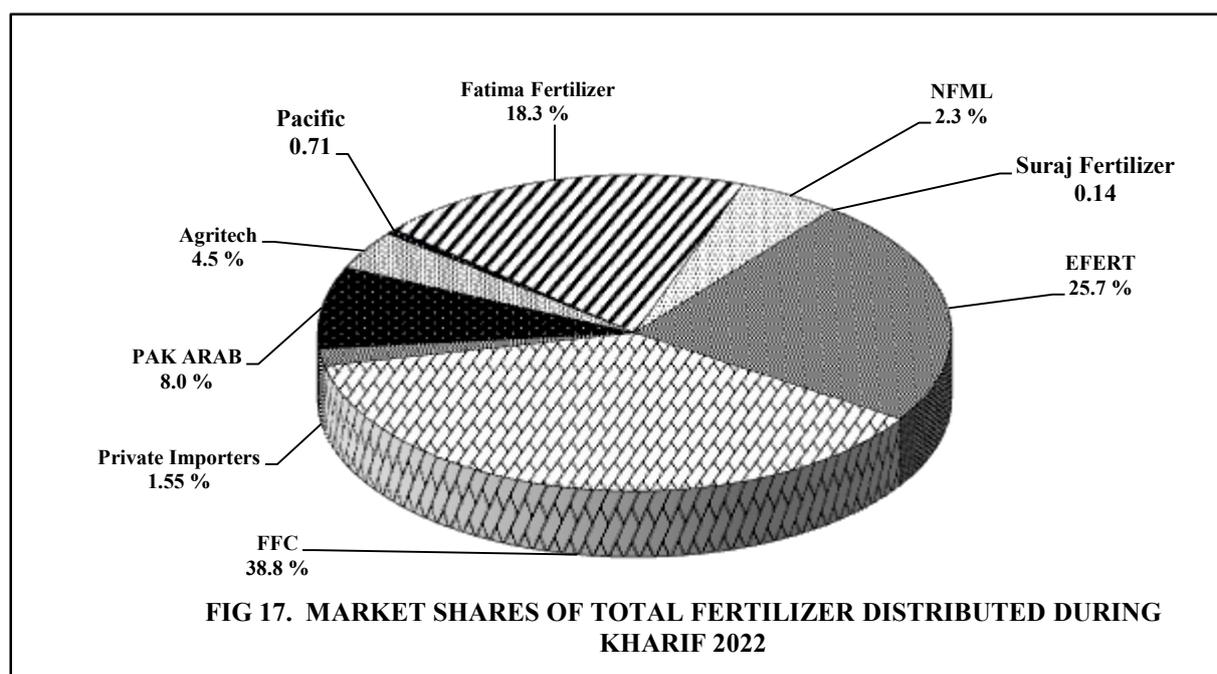
Market shares of the various fertilizer distributing agencies are shown in Table 32 and the detailed product-wise and agency-wise market shares are presented at Annex-24.

**Table 32. Market Shares of Various Fertilizer Distribution Agencies during 2022-23**

SECTOR/AGENCIES	(Per cent)											
	UREA	CAN	NP	SSP	DAP	NPKs	TSP	SOP	MOP	MAP	AS	TOTAL
NFML	7	-	-	-	-	-	-	-	-	-	-	5.2
Total Public Sector	7	-	-	-	-	-	-	-	-	-	-	5.2
FFC	44	-	-	-	61	-	-	30	-	-	-	37.4
EFERT	29	-	6	-	21	100	-	17	46	73	5	23.4
FatimaFert (DHCL)	1	-	-	-	-	-	-	-	-	-	-	1
PAK ARAB	1	38	42	-	0.1	-	-	-	-	-	-	8.4
Agri Tech (Pvt.) Limited	4	-	-	92	-	-	-	-	-	-	-	4.0
Fatima Fertilizer Company Limited	13	62	51	-	3	-	-	-	-	-	-	19.2
Suraj Fertilizers	-	-	-	8	-	-	-	-	-	-	-	0.1
Safi Chemicals	-	-	-	0.2	-	-	-	-	-	-	-	0.00
Pacific Exim	-	-	-	-	3	-	-	39	15	-	3	0.46
Other Private Importers	-	-	-	-	12	-	100	14	39	27	92	1.71
<b>Total Private Sector</b>	<b>93</b>	<b>100</b>	<b>95</b>									
<b>Grand Total</b>	<b>100</b>											

### 12.3 Market shares during Kharif 2022

During Kharif 2022, a total quantity of about 4,410 thousand tonnes of various products (domestically produced as well as imported) were handled by the fertilizer marketing agencies. Out of this, private sector agencies marketed 98 per cent of total fertilizer volume in product terms while only 2.3 per cent was marketed by NFML. Of this, percentage-wise FFC handled 38.8, EFERT 25.7, Pak Arab 8.0, Agritech Limited 4.5, Fatima Fertilizer Limited 18.3, Pacific Exim 0.7, Suraj Fertilizers 0.14, Safi Chemicals 0.01 and private importers 1.5 per cent (Table 33 and Figure 17).

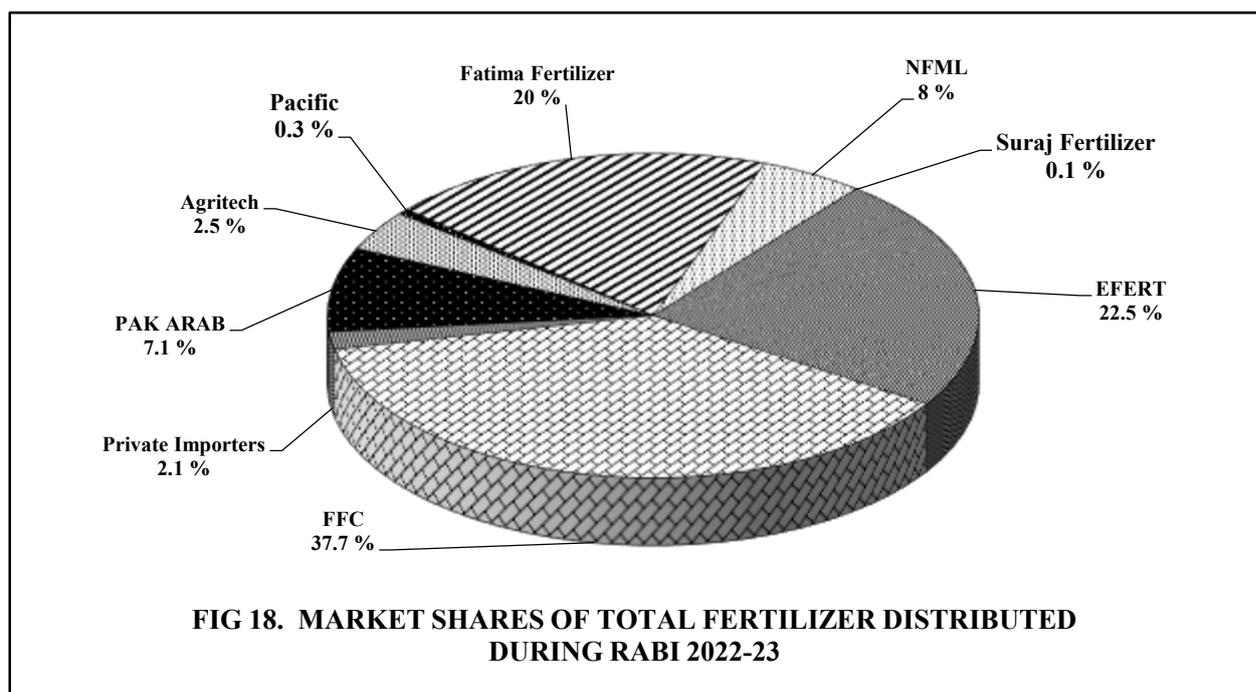


**Table 33. Market shares of various fertilizer distribution agencies during Kharif 2022**

SECTOR/AGENCIES	(Per cent)											
	UREA	CAN	NP	SSP	DAP	NPKs	TSP	SOP	MOP	MAP	AS	TOTAL
NFML	3.2	-	-	-	-	-	-	-	-	-	-	2.3
<b>Total Public Sector</b>	<b>3.2</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2.3</b>
FFC	45	-	-	-	61	-	-	7	-	-	-	38.8
EFERT	31	-	7	-	21	100	-	15	55	100.0	42	25.7
Fatima Fert. (DHCL)	-	-	-	-	-	-	-	-	-	-	-	-
PAK ARAB	2	41	44	-	0.3	-	-	-	-	-	-	8.0
Agri Tech (Pvt.) Limited	5	-	-	81	-	-	-	-	-	-	-	4.5
Fatima Fertilizer Company Limited	13	59	49	-	1	-	-	-	-	-	-	18.3
Suraj Fertilizers	-	-	-	18	-	-	-	-	-	-	-	0.14
Safi Chemicals	-	-	-	1	-	-	-	-	-	-	-	0.01
Pacific Exim	-	-	-	-	6	-	-	54	1	-	1	0.7
Other Private Importers	-	-	-	-	12	-	-	23	44	-	57	1.5
<b>Total Private Sector</b>	<b>97</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>-</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>98</b>
<b>Grand Total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>-</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>

#### 12.4 Market shares during Rabi 2022-23

During Rabi 2022-23, a total quantity of about 5,181 thousand tonnes of various products were handled by the fertilizer marketing agencies. Out of this, private sector agencies marketed 92 per cent of total fertilizer volume in product tonnes and NFML marketed 8 per cent. Percentage-wise FFC handled 37.7, EFERT 22.5, Pak-Arab 7.1, Agritech Limited 2.5, Fatima Fertilizer Limited 20, Pacific 0.3 and private importers/distributors 2.1 per cent (Table 34). Detailed agency-wise and product-wise offtake figures are presented in Annex 26 and graphically shown in **Figure 18**.



**Table 34. Market shares of various fertilizer distribution agencies during Rabi 2022-23**

SECTOR/AGENCIES	(Percent)											
	UREA	CAN	NP	SSP	DAP	NPKs	TSP	SOP	MOP	MAP	AS	TOTAL
NFML	11	-	-	-	-	-	-	-	-	-	-	7.6
Total Public Sector	11	-	-	-	-	-	-	-	-	-	-	7.6
FFC	43	-	-	-	63	-	-	34	-	-	-	37.7
EFERT	28	-	8	-	19	100	-	17	10	76	6	22.5
Fatima Fert. (DHCL)	0.1	-	-	-	-	-	-	-	-	-	-	0.04
PAK ARAB	1	35	39	-	0.1	-	-	-	-	-	-	7.1
Agri Tech (Pvt.) Limited	3	-	-	95	-	-	-	-	-	-	-	2.5
Fatima Fertilizer Co Ltd	14	65	53	-	4	-	-	-	-	-	-	20.0
Suraj Fertilizers	-	-	-	5	-	-	-	-	-	-	-	0.03
Safi Chemicals	-	-	-	0	-	-	-	-	-	-	-	0.001
Pacific Exim	-	-	-	-	1	-	-	33	26	-	7	0.3
Other Private Importers	-	-	-	-	14	-	-	16	64	24	87	2.1
<b>Total Private Sector</b>	<b>89</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>-</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>92</b>
<b>Grand Total</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>-</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>	<b>100</b>

## 12.5 Fertilizer Dealers Network

The data presented in Table 35 show that there are about 14,501 dealers, out of which 11,951 are appointed by the private sector, while public sector dealers are only 2550.

**Table 35. Fertilizer dealers network**

Sector	Provinces				Total
	Punjab	Sindh	KP	Balochistan	
A. Public	2074	328	87	61	2550
B. Private	8937	2080	621	313	11951
<b>Total</b>	<b>11011</b>	<b>2408</b>	<b>708</b>	<b>374</b>	<b>14501</b>

## 12.6 Fertilizer Warehouses

The marketing companies maintain different types of warehouses, which include plant warehouses, field warehouses and strategic warehouses. The data in Table 36 indicate that private and public sector (own/hire) warehousing capacity is 1,892 and 115 thousand product tonnes, respectively. This excludes some distributors, who have not supplied the requisite information. Total storage capacity is about 2,007 thousand product tonnes.

**Table 36. Fertilizer warehouses capacity**

<b>Sector</b>	<b>000 tons</b>	<b>Per cent Share</b>
A. Public	115	6
B. Private	1,892	94
<b>Total</b>	<b>2,007</b>	<b>100</b>

### **13. RESEARCH, DEVELOPMENT AND PROMOTIONAL PROGRAMMES**

The public sector research institutes carry out soil fertility/plant nutrition research whereas fertilizer marketing agencies undertake product specific development and promotional programmes. National Fertilizer Development Centre (NFDC) approached all of them to supply the details of their activities undertaken by them during the period under report. Information provided is reproduced herewith for the interest of readers.

#### **13.1. Directorate General Agriculture (Extension & Adaptive Research) Punjab**

##### **Promotional Programme/Activities**

- i. E-voucher based direct subsidy was provided to the registered farmers of Punjab during 2022-23 on phosphatic fertilizers such as DAP @ Rs. 1000 per bag, NP and SSP @ Rs. 200 per bag and NPK @ Rs. 300 per bag and potash fertilizers such as SOP and MOP @ Rs. 800, and 500 per bag, respectively.
- ii. Kissan Card has been introduced for registered farmers of Punjab whereby DAP subsidy is promptly transferred through designated fertilizer dealers.
- iii. Subsidy on Zinc Sulphate is also being granted for rice crop for better yield under the National Agriculture Emergency Programme.
- iv. Wheat sowing drills with fertilizer attachment were provided to the farmers of Punjab to ensure better performance of fertilizers by placing at proper depth during the seed bed preparation.

#### **13.2 Directorate of Soil Fertility Research Institute, Tandojam**

##### **Research Work / Activities during 2022-23**

- **Research on wheat improvement and disease control:** Studies involve using salicylic acid foliar sprays, both with and without seed soaking, to enhance wheat yield and manage rust diseases. The aim is to find effective strategies for wheat yield enhancement.

- **Soil health and sustainable cropping:** The focus is on improving soil health through legumes for sustainable cereal cropping in Sindh, aiming to develop a long-term approach that benefits both the soil and crop productivity.
- **Nutrient management for olive growth:** Integrated nutrient management practices are being investigated to promote olive growth in the climatic zone of Tandojam, potentially improving olive production in the region.
- **Diversified cropping and soil fertility:** Research involves intercropping wheat with various crops, experimenting with green manuring for long-term soil fertility improvement and exploring sustainable cotton cultivation methods without chemical fertilizers.
- **Cotton crop improvement and innovation:** Various long-term projects aim to enhance cotton growth, reduce pest infestation and improve yield through different approaches, including the use of boron, sulfur, nanotechnology, slow-release fertilizers, live and dead mulching and foliar application of boron. Additionally, field activities and training programs are being conducted to educate and engage farmers in these research areas.
- Soil Fertility Research Institute organized a short training program on wheat crop growth on November 29, 2022.

### 13.3 Fauji Fertilizer Company Limited

Number of soil samples analysed = 10,078

#### Promotional Programme /Activities

- Radio was effectively used by the advertising and sales promotion department, utilizing regional languages to promote FFC products and reaching a diverse audience.
- Television programming included informative documentaries on sugarcane, rice, cotton, and wheat crops, alongside continuous TV commercials throughout the year to promote agricultural products.
- The company ensured its visibility in the field through the strategic use of billboards, jumbo hoardings, and the distribution of detailed product information boards across all regions, ensuring visibility and awareness.

## 13.4 Fatima Fertilizer Company Limited

### Farmer advisory services

Activity	Number of activity
Sarsabz Kissan Conventions/Mega Seminars	31
High profile farmer meeting	76
Farmer meeting	1,112
Farm advisory visits	24,546
Group discussions with farmers	1,669
Soil/ irrigation water sampling	12,125
Field days	203
Field demonstration	205
Agriculture staff training	126
High profile farmer testimonial	1,000
Collaborative research trails	31
Sarsabz call center for farmer advisory services	20,128

### Promotional Programme /Activities

- Sarsabz Pakistan app evolved into a comprehensive farming resource with 200 thousand downloads, offering valuable information and advisory support.
- National Farmer Day "Sarsabz Salam Kissan" was celebrated, which was attended by government officials, progressive farmers, and Fatima Group's top management.
- Farmers' testimonials were made on different crops to demonstrate farmers' experience of getting more than 10% higher yield using nitrate-based fertilizers as compared to conventional fertilizers.
- Published literature on crop production technology for wheat, cotton, rice, potato, maize, citrus, and direct seeded rice.
- Distributed crop-specific leaflets (wheat, cotton, rice, sugarcane, maize, potato, mango, tobacco, sunflower) for crop management, site-specific and timely fertilizer application.

## 13.5 Engro Fertilizer Limited

Number of soil samples analysed = 47,000

### Promotional Programme /Activities

- Engro Fertilizers organized mega farmer seminars on "increasing wheat productivity" in Bahawalpur, Khabirwala and Hafizabad.
- International seminar on "Potassium in Climate Smart Agriculture" was hosted by Engro Fertilizer, in collaboration with Arab Potash and the University of Agriculture, Faisalabad.
- Engro Fertilizers sponsored Pakistan agri expo, showcasing agricultural products and services to thousands of visitors.

- Mango festival in Multan was sponsored by Engro fertilizer, bringing together farmers, buyers, and government representatives to celebrate exotic mango varieties.

### 13.6 Agritech Limited

Agritech Limited carried out following promotional programmes / activities

Farm Visits	38
Group discussions / product briefing	15
Agriculture exhibition at wheat sowing	1

## 14. FERTILIZER DEMAND FORECAST: OUTLOOK FOR 2023-24

Fertilizer forecasting is a regular core activity of National Fertilizer Development Centre (NFDC). It includes updating the current demand projections in the light of actual performance and estimating future demand keeping in view the production targets of various crops, demand elasticity, the prevailing climatic conditions of the country, availability of domestic gas supply to local producers, impact of market forces and subsidy etc. This centre also employs econometric as well as agronomic techniques for demand forecast.

Fertilizer demand/ offtake suggested that offtake of nitrogen, phosphate and potash during Rabi 2022-23 remained at 1,952, 448 and 20 thousand nutrient tonnes, respectively. The respective offtake in product terms for Urea and DAP was 3,469 and 710 thousand nutrient tonnes during Rabi 2022-23 season. The offtake of nitrogen, phosphate and potash during the Kharif 2023 remained at 1,931, 500 and 18 thousand tonnes. The respective offtake for Urea and DAP was 3,322 and 756 thousand product tonnes during Kharif 2023 against 3,137 and 491 thousand product tonnes during Kharif 2022.

**Table. 37 Fertilizer Demand Estimates upto 2023-24**

(000 tonnes)						
Year	Nitrogen	Phosphate	Potash	Total Nutrients	Urea	DAP
2021-22	3,838	1,093	71	5001	6,691	1,863
2022-23	3,604	734	29	4366	6,470	1,141
Growth Per cent	-6.1	-32.8	-59.4	-12.7	-3.3	-38.8
2023-24 (Estimate)	3,892	1,023	46	4,961	6,739	1,678
Growth Percent	8.0	39.4	59.9	13.6	4.2	47.1

The overall offtake for the year 2023-24 has been forecasted as 4,961 thousand nutrients tonnes, which is expected to increase by 13.6 per cent over the last year (Table 37). The growth is mainly attributed to increase in support prices of commodities. The projections up to March 2024 are presented in Annex – 27. The supply / demand projections for next four years are given in Annex-27 (A).

## 15. ECONOMICS OF FERTILIZER USE: FERTILIZER AND COMMODITY PRICES

Wheat is a staple food of the country and it contributes 1.9 percent to GDP. During the year 2022-23 wheat production was 28.16 million tonnes which showed an increase of 7.4 per cent over the last year 2021-22. Support price for wheat increased by Rs. 1700 per 40 kg, during 2022-23 ensuring better economic return to mitigate higher input cost. The average price of urea during Kharif 2023 increased by Rs. 475 while that of DAP increased by Rs. 5365 per 50 kg bag over Kharif 2022. During Rabi 2022-23, an increase of Rs. 706 and 2067 per 50 kg bag in the average price of urea and DAP was observed over Rabi 2021-22. Agriculture commodity and fertilizer prices are given in Table 38.

**Table 38: Commodity and Fertilizer Prices during 2021-22 and 2022-23**

Product / Commodity	Price	2021-22		2022-23	
		Support Price	Market Price	Support Price	Market Price
A. Wheat	Rs. Per 40kg	2200	2464	3900	4130
	Rs. Per Kg	55.0	61.6	97.5	103.3
B. Paddy	IRRI (Rs. Per 40kg)	-	1439	-	1495*
	IRRI (Rs. Per kg)	-	36.0	-	37.4
	Basmati (Rs. Per 40kg)	-	2416	-	4472
	Basmati (Rs. Per kg)	-	60.4	-	111.8
C. Sugarcane	Rs. Per 40kg	238	251	238	311
	Rs. Per kg	6.0	6.3	6.0	7.8
D. Seed Cotton (Phutti)	Rs. Per 40kg	5,000	5890	5,000	8155
	Rs. Per kg	125	147	125	204
E. Fertilizer	<b><u>Urea Rs/bag (50kg)</u></b>				
	Kharif	1745	1745	2220	2220
	Rabi	1908	1908	2614	2614
	<b><u>DAP Rs/bag (50kg)</u></b>				
	Kharif	5763	5763	11128	11128
	Rabi	8532	8532	10599	10599
	<b><u>Nitrogen (N) Rs/kg from Urea</u></b>				
	Kharif	76	76	97	97
	Rabi	83	83	114	114
	<b><u>Phosphate (P) Rs/kg from DAP</u></b>				
	Kharif	221	221	446	446
	Rabi	338	338	416	416

Source: Agriculture Policy Institute (API) and NFDC database

Note: Average market prices of agricultural commodities are of immediate post-harvest period

Average market prices of fertilizers are for season (6 months) and no support price system exists for fertilizer.

\* Anticipated price

Support price of wheat was enhanced from Rs. 2200 per 40 kg to Rs. 3900 per 40 kg during 2022-23 while support price for seed cotton and sugarcane remained at previous year level. Market prices of major crops such as wheat, paddy (both IRRI and Basmati), seed cotton and sugarcane also increased by Rs. 1666, Rs. 56, Rs. 2056 and Rs. 60 per 40 kg, respectively. It was observed that urea (nitrogen) fertilizer remained cheaper for wheat (at market price), basmati rice and seed cotton (at market price) while it was expensive for sugarcane and IRRI varieties of paddy during 2022-23 compared with the previous year (Table-39). It was also noticed that DAP (phosphate) fertilizer remained cheaper for wheat while expensive for other three crops during fiscal year 2022-23 compared with fiscal year 2021-22. The relevant data is presented in Table-39.

**Table 39. Kg of Crop Required to Buy One Kg of Fertilizer Nutrient (N or P<sub>2</sub>O<sub>5</sub>)**

Crop	2021-22		2022-23		Per cent change in 2022- 23 over last year	
	Support Price	Market Price	Support Price	Market Price	Support Price	Market Price
<b><u>A. Wheat</u></b>						
Kg required to buy 1 kg of N from Urea	1.51	1.35	1.17	1.10	-22.7	-18.3
Kg required to buy 1 kg of P <sub>2</sub> O <sub>5</sub> from DAP	6.15	5.50	4.27	4.03	-30.6	-26.6
<b><u>B. Paddy</u></b>						
Kg required to buy 1 kg of N from Urea						
IRRI	-	2.11	-	2.58	-	22.5
Basmati	-	1.26	-	0.86	-	-31.3
Kg required to buy 1 kg of P <sub>2</sub> O <sub>5</sub> from DAP						
IRRI	-	6.14	-	11.93	-	94.4
Basmati	-	3.66	-	3.99	-	9.1
<b><u>C. Sugarcane</u></b>						
Kg required to buy 1 kg of N from Urea	12.8	12.1	16.2	12.4	27.2	2.8
Kg required to buy 1 kg of P <sub>2</sub> O <sub>5</sub> from DAP	37.1	35.2	75.0	57.5	101.9	63.2
<b><u>D. Seed Cotton</u></b>						
Kg required to buy 1 kg of N from Urea	0.61	0.52	0.77	0.47	26.2	-8.1
Kg required to buy 1 kg of P <sub>2</sub> O <sub>5</sub> from DAP	1.77	1.50	3.57	2.19	101.7	45.9

\* Nutrient price of one kg of N from Urea and one kg of P<sub>2</sub>O<sub>5</sub> from DAP divided by the price of one kg of respective crop

## 16. NATURAL GAS CONSUMPTION IN FERTILIZER PRODUCTION AND ITS PRICES DURING 2022-23

### 16.1 Natural gas Consumption

Fertilizer sector is the third largest consumer of gas. Natural gas is used as feed stock as well as fuel in the manufacturing of nitrogenous fertilizers. Three companies namely Sui Northern Gas Pipeline Limited, Sui Southern Gas Company Limited and Mari Petroleum Company Limited are providing gas to fertilizer sector. The consumption of gas during 2022-23 was 255,860 MMCF. Out of this 82.7 per cent was used as feed stock and 17.3 per cent as fuel. The plant-wise gas consumption data of 2022-23 are given in Table 40 and detailed month-wise figures are in Annex-28.

**Table 40. Gas consumption by fertilizer plants during 2022-23**

			(MMCF)
Fertilizer Company	Feed	Fuel	Total
<b>Sui Northern Gas Pipelines Ltd.</b>			
Pak-Arab	-	25	25
Fatimafert	3,317	688	4,005
Agritech	2,234	536	2,770
Hazara Phosphate	-	40	40
EFERT	34,352	2,953	37,304
<b>Oil and Gas Development Company Limited</b>			
EFERT	-	2,548	2,548
<b>Liquefied Natural Gas (LNG)</b>			
Agritech	6,587	1,610	8,197
Fatimafert	4,344	1,306	5,650
<b>Sui Southern Gas Company Ltd.</b>			
FFBL	15,789	322	16,111
<b>Mari Gas Company Ltd.</b>			
EFERT	21,211	9,887	31,098
FFC I & II	49,555	11,085	60,639
FFC III	27,572	4,720	32,293
Fatima Fertilizer	33,208	4,975	38,183
Pak- Arab	13,490	3,506	16,996
<b>Total</b>	<b>211,659</b>	<b>44,201</b>	<b>255,860</b>

### 16.2 Natural gas prices

Table 41 depicts the gas prices charged by the different gas companies from fertilizer sector. It may be pointed out that these prices are different for feed stock and fuel.

### 16.3 Subsidy on Feed Gas

Subsidy on feed gas during 2022-23 was Rs. 108.00 billion which was slightly more as compared with previous year (Table 42).

**Table 41. Gas price for fertilizer production**

	(Rs/MMBTU)			
Effect date	01-07-2019	01-09-2020	01-07-2021	01-01-2023
<b><u>SNGPL'S SYSTEM</u></b>				
(i) For Feed Stock				
Agritech	300	302	302	510
Fatimafert/ Pak Arab	300	302	302	510
EFERT	0.7 \$	0.70 \$	0.70 \$	0.70 \$
Hazara Phosphate Fertilizer	300	302	302	510
(ii) For Fuel Generation				
DHCL/Pak Arab/Hazara Phosphate	1021	1023	1023	1500
<b><u>SSGCL'S SYSTEM</u></b>				
(i) For Feed Stock				
FFBL	300	302	302	510
(ii) For Fuel Generation				
FFBL	1021	1023	1023	1500
<b><u>MARI GAS CO. SYSTEM</u></b>				
(i) For Feed Stock				
EFERT	300	302	302	302
FFC	300	302	302	302
Fatima Fertilizer	0.7 \$	0.70 \$	302	302
(ii) For Fuel Generation (Power)				
	1021	1023	1023	1023

Source: Oil and Gas Regulatory Authority

**Table 42. Implicit subsidy on feed gas for fertilizer production during 2021-22 and 2022-23 (Estimated)**

	(Rs. Billion)		
Manufacturer	2021-22	2022-23	Per cent Change
<b>Sui Northern Gas Pipelines Ltd.</b>			
Pak-Arab	-	-	-
Fatimafert	-	-	-
Agritech	-	-	-
EFERT	29.99	35.50	18
<b>Oil and Gas Development Company Limited</b>			
EFERT	-	-	-
<b>Sui Southern Gas Company Ltd.</b>			
FFBL	13.29	12.83	-3.4
<b>Mari Gas Company Ltd.</b>			
EFERT	-	-	0
FFC	44.07	41.71	-5
Fatima Fertilizer	17.08	17.96	5
Pak Arab	-	-	-
<b>Total</b>	<b>104.43</b>	<b>108.00</b>	<b>3.42</b>

## 17. AGRICULTURAL CREDIT

Agricultural credit is one of the most important instruments to achieve higher productivity. Its availability at the time when needed is crucial for gaining maximum benefits. Credit requirements of the farming community have been increasing continuously over the period of time. This may be due to rise in the prices and use of costly agricultural inputs. State Bank of Pakistan is the main governing body in the country, which ensures the availability of agricultural credit to farmers. Zari Taraqati Bank Limited (ZTBL), Commercial banks, Cooperatives and domestic private banks are providing credit facility to the farmers for meeting their credit needs.

Institution-wise agricultural credit disbursement during 2021-22 and 2022-23 is presented in Table 43. Agricultural loans of Rs. 1819.0 billion were disbursed during 2022-23 as against Rs. 1,418.9 billion during the last year (2021-22), there by registering an increase of 28.2 per cent. The share of commercial banks and ZTBL was 55.1 and 4.2 per cent, whereas the share of private Banks was 20.7 per cent. Shares of Micro Finance Banks, Islamic Banks and Rural Support Programmes were 12.2, 5.7 and 1.7 per cent, respectively.

It may be observed that out of the total disbursement during 2022-23, 92.5 per cent was for production loan and 7.5 per cent for development loan. Production loan is for short term of 6 to 18 months for farm inputs like seed, fertilizer, pesticides, POL, labour and poultry feed. Of the total production loan, about 40 per cent goes to fertilizer. Therefore, it is estimated that about Rs. 657.2 billion have been provided for fertilizer sector. The data presented in Table 43 also indicate that almost all the banks have achieved their targets. Overall target achievement was 97.6 per cent.

**Table 43. Institution-wise Agriculture Credit Disbursements during 2022-23**

Name of Bank/MFIs	Disbursement during 2021-22	Per cent Share	Disbursement during 2022-23 (July - June)		Total	Per cent Share	Target for 2022-23	(Rs in Million)	
			Production	Development				Target Achieved during July- June (2022-23) (%)	Target for 2023-24
Allied Bank Limited	90,745	6.4	100,948	2,405	103,353	5.8	97,000	106.5	122,000
Habib Bank Limited	256,010	18.0	285,617	9,831	295,448	16.6	273,000	108.2	320,000
MCB Bank Limited	141,792	10.0	154,763	721	155,484	8.8	150,000	103.7	175,000
National Bank of Pakistan	147,350	10.4	266,718	11,623	278,341	15.7	310,000	89.8	360,000
United Bank Limited	128,442	9.1	139,610	5,956	145,566	8.2	136,000	107.0	170,000
<b>Total Commercial Banks</b>	<b>764,338</b>	<b>53.9</b>	<b>947,655</b>	<b>30,536</b>	<b>978,192</b>	<b>55.1</b>	<b>966,000</b>	<b>101.3</b>	<b>1,147,000</b>
Z.T.B.L	69,216	4.9	42,662	32,762	75,424	4.2	124,000	60.8	115,000
P.P.C.B.L	7,516	0.5	5,504	3,009	8,513	0.5	13,000	65.5	15,000
Total Domestic Pvt Banks	298,719	21.1	327,343	39,398	366,741	20.7	350,000	104.8	488,200
Total Islamic Banks	66,579	4.7	75,914	25,361	101,275	5.7	103,000	98.3	167,000
Total Micro Finance Banks	186,344	13.1	214,578	1802	216,380	12.2	230,000	94.1	280,600
Total MFIs/RSPs	26195	1.8	29430	0.0	29,430	1.7	33,000	89.2	37,200
<b>Grand Total (All Banks)</b>	<b>1,418,906</b>	<b>100</b>	<b>1,643,087</b>	<b>132,868</b>	<b>1,775,955</b>	<b>100</b>	<b>1,819,000</b>	<b>97.6</b>	<b>2,250,000</b>

## 18. GLOBAL AGRICULTURE AND FERTILIZER SITUATION

### 18.1 World cereal overview

According to Food and Agriculture Organization (FAO) of the United Nations, world cereal production was 2788.7 million tonnes during 2022-23 compared to 2815.0 million tonnes the last year. For 2023-24, wheat production is forecasted to decrease by 2.3 per cent while the coarse grain is expected to increase by 2.9 per cent. The increase in rice harvest is estimated by 1.2 per cent (Table-44).

According to FAO's first forecast for the year 2023-24, Global cereal production will surpass previous year by 1.1 per cent. Based on conditions of crops already in the ground, planting expectations for those still to be sown and assuming normal weather for the remainder of the season, world cereal output is forecast at 2819.0 million tonnes, nearly 30.3 million tonnes higher than in 2022-23.

**Table 44. World Cereal Production, Supplies, Trade and Stocks**

Particulars	(Million tonnes)			
	2021-22 (Actual)	2022-23 (Estimates)	2023-24 (Forecast)	Percent change in 2023-24 over 2022-23
Production	2815.0	2788.7	2819.0	1.1
Wheat	778.3	801.8	783.3	-2.3
Coarse grains	1510.8	1469.4	1512.0	2.9
Rice (milled)	526.0	517.6	523.7	1.2
Utilization	2802.6	2779.2	2805.3	0.9
Trade	482.8	477.0	472.7	-0.9
Stocks	857.3	858.6	878.1	+2.3
Stock to use ratio (%)	30.8	30.6	30.6	-0.1

*Source: FAO Crop prospects and food situation, report, July 2023.*

World cereal utilization is tentatively forecast to expand by 0.9 per cent (26 million tonnes) to reach an all-time high of 2805.3 million tonnes during 2023-24. Based on FAO's forecasts for production in 2022-23 and consumption in 2023-24, world cereal inventories (stocks) by the end of 2023-24 are forecast to reach 878.1 million tonnes, an increase of 2.3 per cent (20 million tonnes) from their already high opening levels. The global cereal stocks-to-use ratio in 2023-24 would remain unchanged year-on-year at 30.6 per cent, and expected increase in cereal stocks indicate comfortable supply prospect in the new season.

## 18.2 World fertilizer consumption

World fertilizer demand declined by 2.8 percent during 2021-22 to 194.7 million tonnes nutrient, and 4.9 percent subsequent decline to 185.1 million tonnes is expected in 2022-23 (Table-45). The expected declines in global fertilizer consumption in 2021-22 and 2022-23 are explained by both a contraction in cereal area and reduction in fertilizer application rates. Farmers have reduced their application rates, giving priority to N over P<sub>2</sub>O<sub>2</sub> and K<sub>2</sub>O or skipping second application. In many parts of the world, farmers have no choice as they are limited by their finances or impacted by reduced government support.

In South Asia, fertilizer use in India declined significantly in 2021-22, while it dropped in 2022-23 in Pakistan due to severe flooding. Between 2020-21 and 2022-23, the largest regional declines are expected to take place in East Asia (-4.6 Mt) and South Asia (-3.5 Mt). In relative terms, the regions expected to experience the sharpest declines are Africa (-19% driven by SSA) and West Asia (-18%). Preliminary forecasts for 2023-24 suggest a 4% recovery in global fertilizer demand, because of higher crop prices.

**Table 45. World Fertilizer Consumption by Nutrients**

(million tonnes)				
Year	Nitrogen	Phosphate	Potash	Total
2020-21 (Actual)	111.4	48.7	40.2	200.2
2021-22 (Estimate)	108.6	46.6	39.5	194.7
Percent change over 2020-21	-2.5	-4.3	1.7	-2.8
2022-23 (forecast)	105.4	44.2	35.5	185.1
Percent change over 2021-22	-2.9	-5.2	-10.1	-4.9
2023-24 (forecast)	108.7	46.4	37.3	192.5
Percent change over 2022-23	3.1	5.1	5.2	4.0

Source: IFA Medium Term Fertilizer Outlook 2023-27, June, 2023.

## 19. AGRICULTURE AND CROP SCENARIO DURING 2022-23

Agriculture, the largest sector of economy is indispensable to drive the development process for achieving poverty alleviation goal. It has the potential to uplift socio-economic structure of a major segment of population. It contributes 22.9 percent to the GDP and provides employment to around 37.4 percent of the labour force. More than 70 percent of the population depends on agriculture for its livelihood. However, in recent past, agricultural growth rate has been constrained by shrinking arable land, climate change, water shortages, large-scale population and labour shift from rural to urban areas. Increasing agricultural productivity, therefore, requires

adoption of new approaches keeping farmer's economics gains in view. With strong forward and backward linkages with the secondary (industrial) and tertiary (services) sectors, it can play a pivotal role to spur economic growth. However, this sector has remained prone to several challenges like climate change, variance in temperature, water shortage, and changes in pattern of precipitation along with increase in input prices.

The agriculture sector's performance during 2022-23 broadly was encouraging as it grew by 1.55 percent against the target of 2.8 percent. The growth of important crops (wheat, rice, sugarcane, maize and cotton) declined by 3.20 percent during the year. The production of maize and wheat indicated considerable improvement compared to last year. The production of sugarcane decreased by 0.8 percent to 87981.1 thousand tonnes from 88650.3 thousand tonnes, rice by 18.6 percent to 7589.2 thousand tonnes from 9322.7 million tonnes and maize increased by 15.3 percent to 10985.1 thousand tonnes from 9524.5 thousand tonnes. Production of cotton crop declined due to heavy monsoon rains, floods and pest attack. The cotton production reduced by 24.3 percent to 6301.1 thousand bales from 8328.8 thousand bales last year.

Wheat is the most important crop of "Rabi", which showed growth of 7.4 percent and reached record high production level of 28160.5 thousand tonnes compared to 26208.7 thousand tonnes last year. For the Rabi crops 2022-23, the government provided a comprehensive "Rabi Package" comprising of subsidies on fertilizer, fungicides and weedicides, together with an increase in the Minimum Support Price (MSP) of wheat to Rs 3900 per 40 Kg.

Other crops having a share of 14.49 percent in agriculture value addition and 3.32 per cent in GDP, showed growth of 0.23 percent because of increase in production of oilseeds by 53 per cent. Cotton ginning declined by 23.01 per cent due to fall in the production of cotton crop. The overall crop sector, having a share of 32.72 per cent in agriculture value addition and 7.5 per cent in GDP, witnessed a decline of 2.49 per cent mainly due to occurrence of heavy floods.

### **19.1 Land utilization**

Land utilization statistics, 1970-71 to 2021-22 are depicted in Table 46. Total cropped area remained stagnant during last 3-5 years due to almost unchangeable net area sown (15.50 m ha). Utilization of prime agricultural land for residential and industrial purposes through anthropogenic interventions is a great threat to food security of the country as ever burgeoning population could hardly be fed at current stagnant cropped area and persistent crop production in the near future. During 2021-22, the total cropped area was 23.8 million hectares.

**Table 46. Land Utilization, 1970-71 to 2021-22 (Selected Years)**

(Million hectares)

Fiscal Year	Forest Area	Culturable Waste	Current Fallow	Net Area Sown	Total Area Cultivated (4+5)	Area Sown More than Once	Total Cropped Area (5+7)
1	2	3	4	5	6	7	8
1970-71	2.83	11.11	4.77	14.44	19.21	2.18	16.62
1980-81	2.85	10.86	4.89	15.41	20.30	3.92	19.33
1990-91	3.46	8.85	4.85	16.11	20.96	5.71	21.82
2000-01	3.77	9.17	6.73	15.40	22.13	6.64	22.04
2010-11	4.26	7.98	6.38	15.65	22.03	7.07	22.72
2011-12	4.26	8.19	7.05	14.98	22.03	7.52	22.50
2012-13	4.26	8.21	7.04	15.22	22.26	7.34	22.56
2013-14	4.55	8.27	6.68	15.40	22.08	7.76	23.16
2014-15	4.54	8.30	6.66	15.46	22.12	7.82	23.26
2015-16	3.99	8.27	10.14	15.62	22.01	7.90	24.04
2016-17	4.47	8.37	9.51	15.59	22.11	7.46	23.01
2017-18	4.47	8.29	9.40	15.74	22.15	7.75	23.45
2018-19	4.47	8.31	9.46	15.61	22.11	7.60	23.20
2019-20	4.47	8.26	9.38	15.72	22.10	8.39	24.10
2020-21	3.90	8.10	6.80	15.60	22.4	8.20	23.8
2021-22	3.90	8.20	6.80	15.50	22.3	8.30	23.8

Source: Ministry of Food Security & Research, P: Provisional, R: Repeated  
NA: Not available

## 19.2 Irrigation and water availability

Agriculture is the largest water consuming sector, so efficient use of water is an important requirement for its sustainable growth. Pakistan is facing severe water stress due to an extremely inefficient irrigation system and practices, over-exploitation of groundwater; inadequate storage capacity, surface and groundwater pollution have collectively impacted quantity and quality of water. In this regard, National Water Policy (NWP) aims to promote solar pumping in the areas bearing shallow aquifers and to ensure sustainable use of water in cultivation of crops. Subsidy is also being offered to farmers to install solar pumps, where it is viable.

Water availability during Kharif 2022 remained at 43.27 million acre feet (MAF) showing decrease of 34 per cent compared to 65.08 MAF of Kharif 2021. Rabi season 2022-23 received 29.37 MAF, showing an increase of 7 per cent over Rabi 2021-22 (Table 47).

**Table 47. Canal Head Withdrawals (Below Rim Stations)**

Million Acre Feet (MAF)

Province	Kharif (Apr-Sep) 2021	Kharif (Apr-Sep) 2022	% Change in Kharif 2022 Over 2021	Rabi (Oct-Mar) 2021-22	Rabi (Oct-Mar) 2022-23	% Change in Rabi 2022-23 Over 2021-22
Punjab	33.13	26.14	-21	14.65	15.96	9
Sindh	28.96	15.56	-46	11.08	12.31	11
Baluchistan	1.94	0.80	-59	1.0	0.80	-20
KP	1.05	0.76	27	0.70	0.32	-55
<b>Total</b>	<b>65.08</b>	<b>43.27</b>	<b>-34</b>	<b>27.42</b>	<b>29.37</b>	<b>7</b>

*Source: Economic Survey 2022-23*

### 19.3 Crop situation

Pakistan's agricultural productivity is dependent upon the timely availability of water. There is a strong relationship between agriculture and climate, temperature, precipitation, floods and other aspects of weather that finally affect economic performance including agriculture production, commodity prices and finally economic growth. Pakistan has two cropping seasons. "Kharif", the first sowing season, starts from April to June and is harvested from October to December. Rice, sugarcane, cotton, maize, moong, mash, bajra and jowar are "Kharif" crops. And "Rabi", the second sowing season, begins from October to December and is harvested from April to May. Wheat, gram, lentil (masoor), tobacco, rapeseed, barley and mustard are "Rabi" crops. Pakistan's agricultural productivity is dependent upon the timely availability of water. The important crops contribute 18.23 per cent to value addition in agriculture sector and 4.18 per cent to GDP. Other crops account for 14.49 per cent in value addition of agriculture sector and 3.32 per cent in GDP. Performance of wheat, rice, cotton, sugarcane and maize being considered as major crops and few minor crops during 2022-23 against 2021-22 is briefly narrated below.

#### Wheat

Wheat is the staple food of the country's population occupying the largest area under single crop. It is grown in almost every part of the country. It accounts for 8.2 per cent of the value added in agriculture and 1.9 per cent of the GDP. Self-sufficiency in wheat has been a core objective of every government. Wheat crop production increased by 7.4 per cent to 28160.5 thousand tonnes over last year's production of 26208.7 thousand tonnes. The area under cultivation increased by 0.6 per cent to 9033 thousand hectares over last year's area (8976.9 thousand hectares). There is 6.8 per cent increase in wheat yield compared to last year yield of 2919.6 kg/ha. The production of wheat increased as government has announced Kissan Package to mitigate the impact of losses due to floods. The government also increased Minimum Support Price (MSP) from Rs 2200 per 40 kg to Rs 3900 per 40 kg. Area, production and yield of wheat during 2022-23 compared with last year is given in Table-48.

**Table 48. Area, Production and Yield of Wheat during 2022-23 against last year**

Province	2022-23			2021-22			Percent (%) Change in 2022-23 over 2021-22		
	Area (000' ha)	Prod. (000' t)	Yield (kg/ha)	Area (000' ha)	Prod. (000' t)	Yield (kg/ha)	Area	Prod.	Yield
Punjab	6480.8	21225.0	3275.1	6559.8	20032.0	3053.7	-1.2	6.0	7.2
Sindh	1238.2	3940.2	3182.1	1181.7	3556.7	3009.8	4.8	10.8	5.7
KP	770.3	1479.1	1920.2	760.6	1362.8	1791.8	1.3	8.5	7.2
Baluchistan	543.7	1516.2	2788.7	474.7	1257.1	2648.0	14.5	20.6	5.3
Pakistan	9033.0	28160.5	3117.5	8976.9	26208.7	2919.6	0.6	7.4	6.8

Source: Economic Wing, Ministry of National Food Security & Research, Islamabad

### Cotton

Cotton being the major cash crop is considered the backbone of Pakistan's economy. It contributes about 0.3 per cent to GDP and 1.4 per cent of total value addition in agriculture. Cotton crop faces multiple challenges and competes with other crops especially sugarcane. International prices also play a role. Being an export oriented raw material of textile industries, maintaining prices at levels competitive with the international market while ensuring due profitability of growers has been a great challenge for policy makers. During 2022-23, cotton crop was sown on an area of 2143.4 thousand hectares, which increased by 10.7 per cent over last year's area (1936.9 thousand hectares). Cotton production is estimated at around 6301.1 thousand bales, which is lower by 24.3 per cent over the last year's production of 8328.8 thousand bales. The cotton crop was badly damaged by floods in the provinces of Sindh and Balochistan. The area, production and yield of cotton during 2022-23 compared with last year is given in Table-49.

**Table 49. Area, Production and Yield of Cotton during 2022-23 against last year**

Province	2022-23			2021-22			Percent (%) Change in 2022-23 over 2021-22		
	Area (000' ha)	Production (000' bales)*	Yield (kg/ha)	Area (000' ha)	Production (000' bales)*	Yield (kg/ha)	Area	Prod.	Yield
Punjab	1485.0	3210.0	367.7	1279.2	5168.0	687.2	16.1	-37.9	-46.5
Sindh	589.8	2977.8	858.7	593.9	2998.4	858.7	-0.7	-0.7	0.0
KP	0.2	0.5	519.9	0.2	0.5	521.6	7.3	6.9	-0.3
Baluchistan	68.5	112.7	280.0	63.7	161.9	432.3	7.5	-30.4	-35.2
Pakistan	2143.4	6301.1	500.0	1936.9	8328.8	731.4	10.7	-24.3	-31.6

\*Conversion of Bales into tonnes (Production\*0.17009)

Source: Economic Wing, Ministry of National Food Security & Research, Islamabad

## Rice

Rice is an important food as well as cash crop. It is the second main staple food crop after wheat and the second major exportable commodity after cotton. It contributes 1.9 percent of value added in agriculture and 0.4 per cent in GDP. Rice production comprises of basmati (fine) and coarse types. During the last few years, production of coarse types is increasing. During 2022-23 rice cropped area declined to 2975.4 thousand hectare compared to 3537.4 thousand hectares of last year witnessing decrease of 15.9 per cent. The production decreased by 18.6 per cent to 7589.2 thousand tonnes against 9322.7 thousand tonnes of last year. The area, production and yield of rice during 2022-23 compared with last year is presented in Table-50.

**Table 50. Area, Production and Yield of Rice during 2022-23 against last year**

Province	2022-23			2021-22			Percent (%) Change in 2022-23 over 2021-22		
	Area (000 ha)	Production (000 t)	Yield (kg/ha)	Area (000 ha)	Production (000 t)	Yield (kg/ha)	Area	Prod.	Yield
Punjab	2189.3	5070.0	2315.8	2555.1	5779.0	2261.7	-14.3	-12.3	2.4
Sindh	602.5	2278.7	3782.1	756.6	2861.4	3782.1	-20.4	-20.4	0.0
KP	56.7	137.3	2422.3	64.2	157.5	2452.3	-11.8	-12.9	-1.2
Baluchistan	127.0	103.2	812.6	161.4	524.7	3250.9	-21.4	-80.3	-75.0
Pakistan	2975.4	7589.2	2550.6	3537.4	9322.7	2635.5	-15.9	-18.6	-3.2

Source: Economic Wing, Ministry of National Food Security & Research, Islamabad

## Sugarcane

Sugarcane is a high value cash crop of Pakistan and is of great significance for sugar related industries, second largest agro-industry after textile. Its production accounts for 3.7 per cent in agriculture's value addition and 0.9 per cent in GDP. During 2022-23, sugarcane production decreased by 0.8 per cent to 87981.1 thousand tonnes as compared to 88650.3 thousand tonnes of last year. Area, production and yield of sugarcane during 2022-23 compared with last year is given in Table-51.

**Table-51. Area, Production and Yield of Sugarcane during 2022-23 against last year**

Province	2022-23			2021-22			Percent (%) Change in 2022-23 over 2021-22		
	Area (000 ha)	Production (000 t)	Yield (kg/ha)	Area (000 ha)	Production (000 t)	Yield (kg/ha)	Area	Prod.	Yield
Punjab	938	66932	71353	869.3	64244.7	73908.2	7.9	4.2	-3.5
Sindh	289.4	16171.7	55887	295.2	19460.7	65913.6	-2.0	-16.9	-15.2
KP	90.7	4844.2	53386.5	95.1	4910.0	51630.4	-4.6	-1.3	3.4
Baluchistan	0.7	33.2	48069.6	0.7	34.9	50099.0	-1.0	-5.0	-4.1
Pakistan	1318.8	87981.1	66711.3	1260.3	88650.3	70341.1	4.6	-0.8	-5.2

Source: Economic Wing, Ministry of National Food Security & Research, Islamabad

## Maize

Maize is the third important cereal crop of Pakistan after wheat and rice. It contributes 3 percent to the value added in agriculture and 0.7 per cent to GDP. Maize is cultivated as a multipurpose crop for food, feed and fodder. While human consumption is declining, its utilization in feed and wet milling industry is growing at a fast pace. During 2022-23, maize was cultivated on 1720 thousand hectares and recorded an increase of 4.1 per cent over last years' area of 1652.5 thousand hectares. Its production increased by 15.3 per cent to 10985.1 thousand tonnes compared to last year's production 9524.5 thousand tonnes. The production increased due to increase in area and availability of improved varieties of seed. The area, production and yield of maize during 2022-23 compared with last year is given in Table 52.

**Table 52. Area, Production and Yield of Maize during 2022-23 against last year**

Province	2022-23			2021-22			Percent (%) Change in 2022-23 over 2021-22		
	Area (000 ha)	Production (000 t)	Yield (kg/ha)	Area (000 ha)	Production (000 t)	Yield (kg/ha)	Area	Prod.	Yield
Punjab	1244.0	10055.0	8082.8	1185.3	8628.8	7279.8	5.0	16.5	11.0
Sindh	3.1	3.1	1026.7	4.3	4.4	1027.5	-27.9	-28.9	-0.1
KP	468.7	923.8	1972.1	458.4	886.5	1933.6	2.2	4.2	2.0
Baluchistan	4.5	3.2	711.1	4.5	4.8	1077.4	0.1	-33.9	-34.0
Pakistan	1720.0	10985.1	6386.7	1652.5	9524.5	5763.9	4.1	15.3	10.8

Source: Economic Wing, Ministry of National Food Security & Research, Islamabad

## Other major crops

During 2022-23, production of Bajra increased by 13.3 per cent while there was 23 per cent decline in gram production. Onion production decreased by 11 per cent and potato production increased by 4.8 per cent due to increased area under cultivation, when compared with last year. The provisional estimates of production of Rapeseed/ Mustard suggested increase of 67.5 per cent due to increase in area under cultivation. Area, production and yield of said major crops during 2022-23 compared with last year is given in Table 53.

**Table 53. Area, Production and Yield of other major crops during 2022-23 against previous year**

Crops	2022-23			2021-22			Percent (%) Change in 2022-23 over 2021-22		
	Area (000 ha)	Production (000 t)	Yield (kg/ha)	Area (000 ha)	Production (000 t)	Yield (kg/ha)	Area	Prod.	Yield
Bajra	240.6	256.4	1065.6	226.6	226.3	998.5	6.2	13.3	6.7
Gram	842.7	243.7	289.1	861.7	316.2	366.9	-2.2	-23.0	-21.2
Potato	340.6	8319.8	24428.6	314.1	7936.9	25266.6	8.4	4.8	-3.3
Onion	135.5	1843.5	13605.2	140.8	2070.2	14699.2	-3.8	-11.0	-7.4
Rapeseed/ Mustard (P)	539.2	672.7	1247.4	275.9	401.5	1455.4	95.5	67.5	-14.3

Source: Economic Wing, Ministry of National Food Security & Research, Islamabad

**FERTILIZER PRODUCTION BY PRODUCT AND MANUFACTURER DURING 2021-22 AND 2022-23**  
**(2021-22)**

														(Tonnes)
PRODUCT	MANUFAC.	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
UREA (P)	FFC (PSFL)	74,981	74,199	72,355	75,591	73,469	73,713	77,786	69,826	77,179	74,477	76,706	73,082	893,364
UREA (P.)	FFC	143,057	143,660	137,139	134,090	142,248	141,387	131,282	133,320	145,202	139,475	139,053	138,640	1,668,553
UREA (G.)	FFBL	49,953	56,981	46,355	43,714	42,981	30,648	34,479	39,134	47,418	48,137	47,468	45,710	532,978
UREA	FATIMAFERT (DHCL)	-	-	3,970	45,414	43,656	41,802	43,586	30,973	45,157	42,294	30,096	37,032	363,980
UREA	Fatima Fertilizer Ltd	39,431	41,411	39,788	38,288	7,865	33,608	39,524	33,611	39,823	39,159	41,660	40,524	434,692
UREA	PAK-ARAB	10,181	1,546	8,816	1,530	2,444	10,560	10,604	9,796	10,620	10,454	7,607	9,804	93,962
UREA	EFERT	194,227	197,607	97,703	166,986	187,870	189,698	196,836	172,949	198,188	193,406	197,000	160,364	2,152,834
UREA	Agritech (PAFL)	-	-	10,622	33,613	32,309	35,251	30,513	30,225	32,666	31,229	23,273	26,136	285,837
<b>TOTAL UREA</b>		<b>511,830</b>	<b>515,404</b>	<b>416,748</b>	<b>539,226</b>	<b>532,842</b>	<b>556,667</b>	<b>564,610</b>	<b>519,834</b>	<b>596,253</b>	<b>578,631</b>	<b>562,863</b>	<b>531,292</b>	<b>6,426,200</b>
NP	EFERT	2,396	4,636	3,194	5,688	7,990	6,127	6,823	5,806	4,805	6,093	6,905	7,708	68,171
NP	PAK-ARAB	31,743.0	33,228	32,728	35,890	28,900	26,936	31,135	26,950	29,350	31,397	25,902	32,437	366,596
NP	Fatima Fertilizer Ltd	44,677	43,130	43,091	42,969	11,636	25,742	46,249	40,205	44,120	42,698	45,516	36,947	466,980
<b>NP</b>	<b>TOTAL</b>	<b>78,816</b>	<b>80,994</b>	<b>79,013</b>	<b>84,547</b>	<b>48,526</b>	<b>58,805</b>	<b>84,207</b>	<b>72,961</b>	<b>78,275</b>	<b>80,188</b>	<b>78,323</b>	<b>77,092</b>	<b>901,747</b>
SSP	LCFL (AL HAMD)	-	-	-	-	-	-	-	-	-	-	-	-	-
SSP	Agritech (HPFL)	5,421	4,561	7,104	7,776	7,809	4,151	5,035	2,626	6,097	6,001	4,341	6,411	67,333
SSP	Suraj Fertilizer	2,870	3,860	2,552	6,068	2,830	369	16	1,808	2,563	1,073	3,539	2,695	30,243
SSP	Safi Group	850	800	500	600	300	300	-	100	80	90	100	30	3,750
<b>SSP</b>	<b>TOTAL</b>	<b>9,141</b>	<b>9,221</b>	<b>10,156</b>	<b>14,444</b>	<b>10,939</b>	<b>4,820</b>	<b>5,051</b>	<b>4,534</b>	<b>8,740</b>	<b>7,164</b>	<b>7,980</b>	<b>9,136</b>	<b>101,326</b>
CAN	PAK-ARAB	28,352	27,598	27,730	33,626	30,369	35,725	29,308	28,190	28,376	29,970	27,326	30,454	357,024
CAN	Fatima Fertilizer Ltd	41,899	40,143	41,602	43,493	12,500	38,729	44,532	39,711	43,422	41,910	42,535	38,194	468,670
<b>Total CAN</b>		<b>70,251</b>	<b>67,741</b>	<b>69,332</b>	<b>77,119</b>	<b>42,869</b>	<b>74,454</b>	<b>73,840</b>	<b>67,901</b>	<b>71,798</b>	<b>71,880</b>	<b>69,861</b>	<b>68,648</b>	<b>825,694</b>
DAP	FFC-SONA	73,691	76,819	72,142	74,759	74,444	75,955	74,791	70,371	77,269	74,809	79,030	72,473	896,553
SOP	Pacific	182	329	898	910	810	1,858	1,555	1,502	1,413	1,735	1,774	1,691	14,657
NPKs	EFERT	5,849	5,600	6,028	10,840	7,792	1,100	7,016	6,192	9,613	7,989	4,822	5,500	78,341
NPKs	Safi Group	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>G. TOTAL</b>		<b>749,760</b>	<b>756,108</b>	<b>654,317</b>	<b>801,845</b>	<b>718,221</b>	<b>773,659</b>	<b>811,070</b>	<b>743,295</b>	<b>843,361</b>	<b>822,396</b>	<b>804,653</b>	<b>765,832</b>	<b>9,244,517</b>
NUTRIENTS	NITROGEN	285,005	287,603	241,593	302,081	281,638	302,754	312,499	286,877	325,920	316,885	309,086	292,688	3,544,629
	PHOSPHATE	52,393	56,913	54,168	58,928	48,990	49,497	56,101	50,965	56,919	53,384	54,296	51,665	644,220
	POTASH	1,047	1,172	1,635	2,406	1,852	1,149	2,089	1,875	2,540	2,233	1,822	1,836	21,655
	<b>TOTAL</b>	<b>338,445</b>	<b>345,688</b>	<b>297,396</b>	<b>363,415</b>	<b>332,479</b>	<b>353,400</b>	<b>370,689</b>	<b>339,718</b>	<b>385,379</b>	<b>372,503</b>	<b>365,204</b>	<b>346,189</b>	<b>4,210,505</b>

**FERTILIZER PRODUCTION BY PRODUCT AND MANUFACTURER DURING 2021-22 AND 2022-23**  
**(2022-23)**

														(Tonnes)
PRODUCT	MANUFAC.	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
UREA (P)	FFC (PSFL)	37,629	62,149	71,306	77,799	75,087	77,231	75,230	67,343	61,782	73,554	67,248	74,603	820,961
UREA (P.)	FFC	107,863	114,813	137,863	94,326	133,462	138,320	147,781	133,355	147,872	142,327	146,356	140,067	1,584,405
UREA (G.)	FFBL	47,895	49,596	26,980	40,989	41,696	54,079	4,370	29,313	55,629	42,970	28,947	21,225	443,689
UREA	FATIMAFERT (DHCL)	42,347	42,610	40,377	44,272	39,288	44,813	2,160	-	-	38,264	46,337	36,649	377,117
UREA	Fatima Fertilizer Limited	44,244	45,011	44,106	41,507	39,915	43,163	42,137	39,466	43,570	43,587	25,907	40,977	493,590
UREA	PAK-ARAB	10,321	9,821	10,489	10,894	8,650	8,820	2,930	-	1,244	7,392	7,584	8,951	87,096
UREA	EFERT	94,442	187,232	167,876	125,350	81,389	179,924	202,914	185,299	187,669	199,278	137,266	202,156	1,950,795
UREA	Agritech (PAFL)	27,286	29,615	31,964	32,889	27,483	30,005	1,753	-	4,276	32,774	33,174	23,827	275,046
<b>TOTAL UREA</b>		<b>412,027</b>	<b>540,847</b>	<b>530,961</b>	<b>468,026</b>	<b>446,970</b>	<b>576,355</b>	<b>479,275</b>	<b>454,776</b>	<b>502,042</b>	<b>580,146</b>	<b>492,819</b>	<b>548,455</b>	<b>6,032,699</b>
NP	EFERT	-	4,420	6,239	9,040	10,450	-	-	-	6,050	4,300	9,300	1,650	51,449
NP	PAK-ARAB	32,725.0	32,767	32,753	32,112	31,054	35,358	24,451	-	7,271	32,652	32,861	30,716	324,720
NP	Fatima Fertilizer Limited	39,978	33,704	38,373	43,815	37,697	40,076	37,903	30,186	28,995	29,166	20,236	35,930	416,059
<b>NP</b>	<b>TOTAL</b>	<b>72,703</b>	<b>70,891</b>	<b>77,365</b>	<b>84,967</b>	<b>79,201</b>	<b>75,434</b>	<b>62,354</b>	<b>30,186</b>	<b>42,316</b>	<b>66,118</b>	<b>62,397</b>	<b>68,296</b>	<b>792,228</b>
SSP	LCFL (AL HAMD)	-	-	-	-	-	-	-	-	-	-	-	-	-
SSP	Agritech (HPFL)	3,427	4,152	5,084	6,546	6,563	7,027	3,959	3,124	8,504	6,224	7,208	8309	70,127
SSP	Suraj Fertilizer	1,743	-	-	3,250	1,095	-	-	-	-	-	-	-	6,088
SSP	Safi Group	40	30	20	30	-	-	-	-	-	-	-	-	120
<b>SSP</b>	<b>TOTAL</b>	<b>5,210</b>	<b>4,182</b>	<b>5,104</b>	<b>9,826</b>	<b>7,658</b>	<b>7,027</b>	<b>3,959</b>	<b>3,124</b>	<b>8,504</b>	<b>6,224</b>	<b>7,208</b>	<b>8,309</b>	<b>76,335</b>
CAN	PAK-ARAB	31,932	34,319	31,904	32,014	29,394	28,882	22,769	-	11,072	32,827	34,997	31,834	321,944
CAN	Fatima Fertilizer Limited	42,398	41,601	37,181	42,976	42,488	44,570	41,388	40,419	45,596	41,050	37,369	40,960	497,996
<b>Total CAN</b>		<b>74,330</b>	<b>75,920</b>	<b>69,085</b>	<b>74,990</b>	<b>71,882</b>	<b>73,452</b>	<b>64,157</b>	<b>40,419</b>	<b>56,668</b>	<b>73,877</b>	<b>72,366</b>	<b>72,794</b>	<b>819,940</b>
DAP	FFC-SONA	75,800	77,174	71,597	76,672	66,637	31,220	-	14,347	37,530	59,138	74,282	50,929	635,326
SOP	Pacific	-	3,207	1,447	1,247	30	-	205	794	912	1,255	1,551	1577	12,225
NPKs	EFERT	12,022	4,458	2,900	4,550	-	-	2,900	-	4,263	5,486	3,550	-	40,129
NPKs	Safi Group	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>G. TOTAL</b>		<b>652,092</b>	<b>776,679</b>	<b>758,459</b>	<b>720,278</b>	<b>672,378</b>	<b>763,488</b>	<b>612,850</b>	<b>543,646</b>	<b>652,235</b>	<b>792,244</b>	<b>714,173</b>	<b>750,360</b>	<b>8,408,882</b>
<b>NUTRIENTS</b>	<b>NITROGEN</b>	239,947	299,394	293,176	268,588	254,506	307,190	251,721	229,231	262,673	312,089	272,965	295,408	3,286,887
	<b>PHOSPHATE</b>	52,553	53,226	52,314	57,627	50,248	32,976	15,576	14,105	29,167	42,370	48,763	38,582	487,507
	<b>POTASH</b>	1,955	2,272	1,246	1,442	15	-	537	397	1,308	1,450	1,415	789	12,826
	<b>TOTAL</b>	<b>294,455</b>	<b>354,893</b>	<b>346,735</b>	<b>327,657</b>	<b>304,769</b>	<b>340,166</b>	<b>267,834</b>	<b>243,733</b>	<b>293,148</b>	<b>355,909</b>	<b>323,143</b>	<b>334,779</b>	<b>3,787,220</b>

## FERTILIZER IMPORTS DURING 2021-22 AND 2022-23

(2021-22)

Months	UREA	DAP	NP	SOP	MOP	AS	SSP	MAP	TOTAL PRODUCTS	(Tonnes)			
										NITROGEN	PHOSPHATE	POTASH	TOTAL NUTRIENTS
July	-	167,432	-	12,692	6,662	150	-	104	187,040	30,180	77,071	10,343	117,594
August	-	81,777	-	5,213	2,035	3,982	-	9,000	102,007	16,456	42,117	3,828	62,401
Sep	-	122,929	-	4,221	6,911	6,843	-	-	140,904	23,564	56,547	6,257	86,369
Oct	-	274,276	-	2,248	7,339	5,158	-	7,000	296,021	51,153	129,667	5,527	186,347
Nov	-	30,736	-	5,974	17,976	-	-	8,800	63,486	6,412	18,539	13,773	38,724
Dec	-	-	-	1,722	523	-	-	-	2,245	-	-	1,175	1,175
Jan	-	54,863	-	1,075	-	1,500	-	-	57,438	10,190	25,237	538	35,965
Feb	50,298	15,725	-	632	14	-	-	-	66,669	25,968	7,234	324	33,525
Mar	49,900	18,700	-	182	1,500	964	-	-	71,246	26,522	8,602	991	36,115
April	-	60,075	-	3,161	-	1,470	-	-	64,706	11,122	27,635	1,581	40,337
May	-	43,976	-	2,400	-	482	-	-	46,858	8,017	20,229	1,200	29,446
June	-	23,042	-	2,252	-	942	-	-	26,236	4,345	10,599	1,126	16,071
<b>Total</b>	<b>100,198</b>	<b>893,531</b>	<b>-</b>	<b>41,772</b>	<b>42,960</b>	<b>21,491</b>	<b>-</b>	<b>24,904</b>	<b>1,124,856</b>	<b>213,930</b>	<b>423,476</b>	<b>46,662</b>	<b>684,068</b>

Continued....

## FERTILIZER IMPORTS DURING 2021-22 AND 2022-23

(2022-23)

Months	UREA	DAP	NP	SOP	MOP	AS	TSP	MAP	TOTAL PRODUCTS	(Tonnes)			
										NITROGEN	PHOSPHATE	POTASH	TOTAL NUTRIENTS
July	-	32,593	-	1,898	-	908	-	-	35,399	6,057	14,993	949	21,999
August	-	407	-	573	-	49	-	-	1,029	84	187	287	557
Sep	102,614	25,346	-	2,798	-	-	-	-	130,758	51,765	11,659	1,399	64,823
Oct	102,157	27,500	-	8,990	-	960	-	300	139,907	52,174	12,800	4,495	69,469
Nov	-	239,053	-	-	-	1,061	-	-	240,114	43,252	109,964	-	153,217
Dec	194,800	20	-	450	-	-	-	-	195,270	89,612	9	225	89,846
Jan	-	7,615	-	2	-	500	-	-	8,117	1,476	3,503	1	4,980
Feb	-	-	-	-	-	1,012	-	-	1,012	213	-	-	213
Mar	-	27,600	-	-	-	2,040	300	-	29,940	5,396	12,834	-	18,230
April	-	-	-	661	576	3,045	-	-	4,282	639	-	676	1,316
May	-	34,103	-	-	-	1,018	-	624	35,745	6,415	15,999	-	22,414
June	-	49,539	-	504	-	1,021	-	-	51,064	9,131	22,788	252	32,171
<b>Total</b>	<b>399,571</b>	<b>443,776</b>	<b>-</b>	<b>15,876</b>	<b>576</b>	<b>11,614</b>	<b>300</b>	<b>924</b>	<b>872,637</b>	<b>266,214</b>	<b>204,737</b>	<b>8,284</b>	<b>479,234</b>

## ANNEX-3

**MONTH-WISE COMPARATIVE NUTRIENT OFFTAKE DURING KHARIF 2022, RABI 2022-23 AND FISCAL YEAR 2022-23 COMPARED WITH PREVIOUS SEASONS/YEARS**

(Tonnes)

MONTHS/ SEASONS	Kharif 2017 Rabi 2017-18 FY 2017-18	Kharif 2018 Rabi 2018-19 FY 2018-19	Kharif 2019 Rabi 2019-20 FY 2019-20	Kharif 2020 Rabi 2020-21 FY 2020-21	Kharif 2021 Rabi 2021-22 FY 2021-22	Kharif 2022 Rabi 2022-23 FY 2022-23	Percent change in Kharif 2022, Rabi 2022-23 and Fiscal Year 2022-23 over previous months/seasons/years
<b>PAKISTAN</b>							
<b>TOTAL</b>							
April	214,684	260,466	237,037	266,927	239,710	322,312	34.5
May	327,937	306,111	458,186	173,000	386,443	302,106	-21.8
June	647,982	426,452	420,502	701,966	411,414	482,682	17.3
July	381,395	483,269	399,423	500,290	470,120	309,805	-34.1
August	502,724	285,338	393,407	530,723	494,938	301,073	-39.2
September	341,402	372,991	348,214	381,831	419,402	304,255	-27.5
<b>Total Kharif</b>	<b>2,416,124</b>	<b>2,134,627</b>	<b>2,256,769</b>	<b>2,554,737</b>	<b>2,422,027</b>	<b>2,022,232</b>	<b>-16.5</b>
		-11.7	5.7	13.2	-5.2	-16.5	
October	482,560	594,134	269,119	387,175	562,970	280,010	-50.3
November	651,087	428,728	475,424	535,524	473,112	483,074	2.1
December	479,672	480,457	797,260	597,552	407,705	589,858	44.7
January	356,311	361,607	177,102	434,861	400,210	406,956	1.7
February	291,655	238,024	320,074	309,693	333,618	359,446	7.7
March	283,528	254,126	226,652	292,877	332,294	300,505	-9.6
<b>Total Rabi</b>	<b>2,544,813</b>	<b>2,357,076</b>	<b>2,265,631</b>	<b>2,557,683</b>	<b>2,509,910</b>	<b>2,419,850</b>	<b>-3.6</b>
% change		-7.4	-3.9	12.9	-1.9	-3.6	
April	260,466	237,037	266,927	239,710	322,312	260,008	-19.3
May	306,111	458,186	173,000	386,443	302,106	311,733	3.2
June	426,452	420,502	701,966	411,414	482,682	459,566	-4.8
<b>FY Total</b>	<b>4,763,363</b>	<b>4,614,399</b>	<b>4,548,568</b>	<b>5,008,094</b>	<b>5,001,469</b>	<b>4,366,290</b>	<b>-12.7</b>
		-3.1	-1.4	10.1	-0.1	-12.7	
<b>NITROGEN</b>							
April	154,073	212,883	178,919	174,213	192,760	259,674	34.7
May	280,818	264,057	340,029	134,366	292,992	238,895	-18.5
June	568,346	330,931	337,156	601,283	364,996	398,933	9.3
July	233,195	322,397	283,188	355,212	356,873	261,614	-26.7
August	450,019	236,349	329,410	360,987	374,301	283,208	-24.3
September	162,467	265,896	233,871	246,125	289,326	263,655	-8.9
<b>Total Kharif</b>	<b>1,848,918</b>	<b>1,632,513</b>	<b>1,702,573</b>	<b>1,872,185</b>	<b>1,871,247</b>	<b>1,705,980</b>	<b>-8.8</b>
% change		-11.7	4.3	10.0	-0.1	-8.8	
October	271,645	329,996	123,424	255,555	355,984	234,679	-34.1
November	396,759	291,069	269,619	343,930	338,927	350,991	3.6
December	394,976	380,953	684,828	481,659	332,306	482,319	45.1
January	297,184	308,059	147,394	367,012	328,146	340,418	3.7
February	220,437	205,012	258,959	242,797	286,546	283,160	-1.2
March	200,265	211,841	174,101	206,724	278,144	260,271	-6.4
<b>Total Rabi</b>	<b>1,781,266</b>	<b>1,726,930</b>	<b>1,658,325</b>	<b>1,897,677</b>	<b>1,920,053</b>	<b>1,951,838</b>	<b>1.7</b>
% change		-3.1	-4.0	14.4	1.2	1.7	
April	212,883	178,919	174,213	192,760	259,674	224,419	-13.6
May	264,057	340,029	134,366	292,992	238,895	261,756	9.6
June	330,931	337,156	601,283	364,996	398,933	357,390	-10.4
<b>FY Total</b>	<b>3,434,818</b>	<b>3,407,676</b>	<b>3,414,656</b>	<b>3,710,748</b>	<b>3,838,056</b>	<b>3,603,881</b>	<b>-6.1</b>
% change		-0.8	0.2	8.7	3.4	-6.1	

Continued....

**MONTH-WISE COMPARATIVE NUTRIENT OFFTAKE DURING KHARIF 2022, RABI 2022-23  
AND FISCAL YEAR 2022-23 COMPARED WITH PREVIOUS SEASONS/YEARS**

(Tonnes)

MONTHS/ SEASONS	Kharif 2017 Rabi 2017-18 FY 2017-18	Kharif 2018 Rabi 2018-19 FY 2018-19	Kharif 2019 Rabi 2019-20 FY 2019-20	Kharif 2020 Rabi 2020-21 FY 2020-21	Kharif 2021 Rabi 2021-22 FY 2021-22	Kharif 2022 Rabi 2022-23 FY 2022-23	Percent change in Kharif 2022, Rabi 2022-23 and Fiscal Year 2022-23 over previous months/seasons/years
<b>PHOSPHATE</b>							
April	57,410	45,473	54,835	89,185	42,154	59,952	42.2
May	43,496	39,691	116,228	35,975	90,088	60,490	-32.9
June	77,672	93,854	80,847	95,971	42,223	80,724	91.2
July	144,554	154,683	113,014	140,436	106,328	46,714	-56.1
August	49,470	45,397	60,481	164,925	110,005	17,173	-84.4
September	170,969	97,060	106,587	123,114	122,914	38,269	-68.9
<b>Total Kharif</b>	<b>543,571</b>	<b>476,158</b>	<b>531,992</b>	<b>649,606</b>	<b>513,712</b>	<b>303,322</b>	<b>-41.0</b>
% change		-12.4	11.7	22.1	-20.9	-41.0	
October	203,153	257,695	140,724	123,474	196,907	43,721	-77.8
November	248,453	133,972	201,869	186,716	126,599	131,502	3.9
December	81,825	95,224	107,721	112,071	70,294	107,113	52.4
January	55,243	50,489	28,455	62,583	65,934	60,471	-8.3
February	67,357	29,231	54,853	60,990	42,879	69,814	62.8
March	78,565	37,681	48,885	79,298	49,514	35,626	-28.0
<b>Total Rabi</b>	<b>734,596</b>	<b>604,292</b>	<b>582,507</b>	<b>625,131</b>	<b>552,127</b>	<b>448,247</b>	<b>-18.8</b>
% change		-17.7	-3.6	7.3	-11.7	-18.8	
April	45,473	54,835	89,185	42,154	59,952	33,659	-43.9
May	39,691	116,228	35,975	90,088	60,490	48,229	-20.3
June	93,854	80,847	95,971	42,223	80,724	101,359	25.6
<b>FY Total</b>	<b>1,278,607</b>	<b>1,153,342</b>	<b>1,083,720</b>	<b>1,228,071</b>	<b>1,092,541</b>	<b>733,649</b>	<b>-32.8</b>
% change		-9.8	-6.0	13.3	-11.0	-32.8	
<b>POTASH</b>							
April	3,201	2,109	3,283	3,529	4,797	2,686	-44.0
May	3,622	2,362	1,929	2,659	3,363	2,721	-19.1
June	1,964	1,667	2,498	4,712	4,195	3,024	-27.9
July	3,646	6,189	3,221	4,642	6,919	1,477	-78.7
August	3,234	3,591	3,516	4,811	10,632	691	-93.5
September	7,966	10,035	7,755	12,593	7,161	2,331	-67.4
<b>Total Kharif</b>	<b>23,633</b>	<b>25,953</b>	<b>22,202</b>	<b>32,946</b>	<b>37,068</b>	<b>12,930</b>	<b>-65.1</b>
% change		9.8	-14.5	48.4	12.5	-65.1	
October	7,762	6,444	4,971	8,146	10,079	1,610	-84.0
November	5,875	3,686	3,936	4,878	7,586	581	-92.3
December	2,870	4,279	4,711	3,822	5,106	427	-91.6
January	3,884	3,059	1,252	5,267	6,130	6,067	-1.0
February	3,860	3,780	6,263	5,906	4,193	6,472	54.4
March	4,699	4,601	3,666	6,855	4,636	4,608	-0.6
<b>Total Rabi</b>	<b>28,950</b>	<b>25,849</b>	<b>24,799</b>	<b>34,874</b>	<b>37,730</b>	<b>19,766</b>	<b>-47.6</b>
% change		-10.7	-4.1	40.6	8.2	-47.6	
April	2,109	3,283	3,529	4,797	2,686	1,931	-28.1
May	2,362	1,929	2,659	3,363	2,721	1,749	-35.7
June	1,667	2,498	4,712	4,195	3,024	816	-73.0
<b>FY Total</b>	<b>49,934</b>	<b>53,374</b>	<b>50,191</b>	<b>69,275</b>	<b>70,873</b>	<b>28,761</b>	<b>-59.4</b>
% change		6.9	-6.0	38.0	2.3	-59.4	

**MONTH-WISE AND PROVINCE-WISE COMPARATIVE NUTRIENT OFFTAKE DURING KHARIF 2022, RABI 2022-23 AND FISCAL YEAR 2022-23 COMPARED WITH PREVIOUS SEASONS/YEARS**

MONTHS/ SEASONS	Kharif 2017 Rabi 2017-18 FY 2017-18	Kharif 2018 Rabi 2018-19 FY 2018-19	Kharif 2019 Rabi 2019-20 FY 2019-20	Kharif 2020 Rabi 2020-21 FY 2020-21	Kharif 2021 Rabi 2021-22 FY 2021-22	Kharif 2022 Rabi 2022-23 FY 2022-23	(Tonnes)
							Percent change in Kharif 2022, Rabi 2022-23 and Fiscal Year 2022-23 over previous months/seasons/years
<b>PUNJAB</b>							
<b>TOTAL</b>							
April	141,975	174,193	154,077	173,145	167,031	216,192	29.4
May	220,367	194,552	302,238	111,825	276,896	204,050	-26.3
June	459,361	297,716	287,842	456,057	292,132	324,088	10.9
July	240,934	342,392	284,365	336,880	324,216	216,522	-33.2
August	343,491	202,549	270,660	376,221	339,401	213,608	-37.1
September	255,223	239,152	257,809	280,440	291,493	217,566	-25.4
<b>Total Kharif</b>	<b>1,661,351</b>	<b>1,450,554</b>	<b>1,556,991</b>	<b>1,734,567</b>	<b>1,691,170</b>	<b>1,392,026</b>	<b>-17.7</b>
% change		-12.7	7.3	11.4	-2.5	-17.7	
October	327,947	413,197	188,211	259,650	388,510	185,653	-52.2
November	452,342	305,262	315,245	374,821	341,027	335,177	-1.7
December	352,785	324,174	521,831	420,625	304,246	413,796	36.0
January	251,691	255,152	120,678	307,151	290,967	278,879	-4.2
February	216,409	162,621	221,514	234,729	231,724	250,571	8.1
March	208,333	184,099	158,852	208,536	222,563	195,639	-12.1
<b>Total Rabi</b>	<b>1,809,507</b>	<b>1,644,505</b>	<b>1,526,331</b>	<b>1,805,513</b>	<b>1,779,037</b>	<b>1,659,715</b>	<b>-6.7</b>
% change		-9.1	-7.2	18.3	-1.5	-6.7	
April	174,193	154,077	173,145	167,031	216,192	173,973	-19.5
May	194,552	302,238	111,825	276,896	204,050	224,526	10.0
June	297,716	287,842	456,057	292,132	324,088	325,252	0.4
<b>FY Total</b>	<b>3,315,616</b>	<b>3,172,755</b>	<b>3,080,192</b>	<b>3,535,113</b>	<b>3,478,478</b>	<b>3,031,162</b>	<b>-12.9</b>
% change		-4.3	-2.9	14.8	-1.6	-12.9	
<b>NITROGEN</b>							
April	102,305	144,174	118,874	112,463	130,632	176,355	35.0
May	189,547	164,709	228,224	87,796	207,281	157,332	-24.1
June	397,078	225,892	226,378	387,016	255,720	267,464	4.6
July	145,730	222,650	195,340	241,475	237,234	183,186	-22.8
August	306,970	169,675	226,963	254,484	249,722	200,717	-19.6
September	116,103	158,001	172,368	183,250	192,523	185,487	-3.7
<b>Total Kharif</b>	<b>1,257,733</b>	<b>1,085,101</b>	<b>1,168,147</b>	<b>1,266,484</b>	<b>1,273,112</b>	<b>1,170,541</b>	<b>-8.1</b>
% change		-13.7	7.7	8.4	0.5	-8.1	
October	173,600	226,187	82,197	172,363	243,665	153,904	-36.8
November	267,924	207,149	178,290	233,266	240,182	241,396	0.5
December	290,463	253,180	447,913	330,770	246,994	337,151	36.5
January	205,487	219,164	98,690	255,563	241,412	231,646	-4.0
February	161,898	139,900	175,972	184,216	196,029	197,913	1.0
March	150,604	154,001	125,133	151,225	189,488	171,866	-9.3
<b>Total Rabi</b>	<b>1,249,976</b>	<b>1,199,581</b>	<b>1,108,195</b>	<b>1,327,402</b>	<b>1,357,770</b>	<b>1,333,876</b>	<b>-1.8</b>
% change		-4.0	-7.6	19.8	2.3	-1.8	
April	144,174	118,874	112,463	130,632	176,355	148,997	-15.5
May	164,709	228,224	87,796	207,281	157,332	185,024	17.6
June	225,892	226,378	387,016	255,720	267,464	249,321	-6.8
<b>FY Total</b>	<b>2,353,554</b>	<b>2,323,383</b>	<b>2,290,141</b>	<b>2,600,244</b>	<b>2,638,399</b>	<b>2,486,608</b>	<b>-5.8</b>
% change		-1.3	-1.4	13.5	1.5	-5.8	

Continued....

**MONTH-WISE AND PROVINCE-WISE COMPARATIVE NUTRIENT OFFTAKE DURING KHARIF 2022, RABI 2022-23 AND FISCAL YEAR 2022-23 COMPARED WITH PREVIOUS SEASONS/YEARS**

MONTHS/ SEASONS	Kharif 2017 Rabi 2017-18 FY 2017-18	Kharif 2018 Rabi 2018-19 FY 2018-19	Kharif 2019 Rabi 2019-20 FY 2019-20	Kharif 2020 Rabi 2020-21 FY 2020-21	Kharif 2021 Rabi 2021-22 FY 2021-22	Kharif 2022 Rabi 2022-23 FY 2022-23	(Tonnes)
							Percent change in Kharif 2022, Rabi 2022-23 and Fiscal Year 2022-23 over previous months/seasons/years
<b>PHOSPHATE</b>							
April	37,631	28,865	32,738	58,086	32,221	38,035	18.0
May	27,999	28,030	72,588	21,784	66,925	44,705	-33.2
June	60,653	70,388	59,645	65,415	32,861	54,878	67.0
July	92,282	114,666	86,325	91,439	80,826	32,825	-59.4
August	34,146	30,076	41,100	117,795	81,096	12,334	-84.8
September	133,181	73,510	78,816	87,009	93,157	29,953	-67.8
<b>Total Kharif</b>	<b>385,892</b>	<b>345,535</b>	<b>371,212</b>	<b>441,528</b>	<b>387,086</b>	<b>212,730</b>	<b>-45.0</b>
% change		-10.5	7.4	18.9	-12.3	-45.0	
October	147,978	182,007	101,961	80,926	138,324	30,356	-78.1
November	180,030	95,531	134,097	138,137	97,487	93,295	-4.3
December	59,800	68,097	70,704	87,834	52,759	76,277	44.6
January	43,231	33,832	21,015	48,093	45,812	42,176	-7.9
February	51,947	20,115	40,979	45,853	32,829	48,309	47.2
March	54,926	27,578	31,537	52,929	30,593	21,204	-30.7
<b>Total Rabi</b>	<b>537,912</b>	<b>427,160</b>	<b>400,293</b>	<b>453,771</b>	<b>397,804</b>	<b>311,617</b>	<b>-21.7</b>
% change		-20.6	-6.3	13.4	-12.3	-21.7	
April	28,865	32,738	58,086	32,221	38,035	23,612	-37.9
May	28,030	72,588	21,784	66,925	44,705	38,224	-14.5
June	70,388	59,645	65,415	32,861	54,878	75,266	37.2
<b>FY Total</b>	<b>924,804</b>	<b>810,383</b>	<b>751,819</b>	<b>882,020</b>	<b>790,501</b>	<b>523,831</b>	<b>-33.7</b>
% change		-12.4	-7.2	17.3	-10.4	-33.7	
<b>POTASH</b>							
April	2,040	1,154	2,466	2,596	4,178	1,803	-56.8
May	2,822	1,723	1,426	2,245	2,690	2,014	-25.2
June	1,631	1,435	1,819	3,626	3,551	1,745	-50.9
July	2922	5076	2,700	3,967	6,157	511	-91.7
August	2375	2798	2,596	3,941	8,583	557	-93.5
September	5939	7641	6,625	10,181	5,813	2,126	-63.4
<b>Total Kharif</b>	<b>17,729</b>	<b>19,827</b>	<b>17,632</b>	<b>26,555</b>	<b>30,973</b>	<b>8,756</b>	<b>-71.7</b>
% change		11.8	-11.1	50.6	16.6	-71.7	
October	6,370	5,003	4,053	6,360	6,520	1,393	-78.6
November	4,388	2,581	2,858	3,419	3,358	486	-85.5
December	2,522	2,896	3,215	2,022	4,492	368	-91.8
January	2,974	2,156	973	3,496	3,744	5,057	35.1
February	2,565	2,607	4,563	4,661	2,867	4,349	51.7
March	2,804	2,520	2,181	4,382	2,483	2,569	3.5
<b>Total Rabi</b>	<b>21,623</b>	<b>17,763</b>	<b>17,843</b>	<b>24,339</b>	<b>23,464</b>	<b>14,222</b>	<b>-39.4</b>
% change		-17.9	0.5	36.4	-3.6	-39.4	
April	1,154	2,466	2,596	4,178	1,803	1,364	-24.3
May	1,723	1,426	2,245	2,690	2,014	1,278	-36.5
June	1,435	1,819	3,626	3,551	1,745	665	-61.9
<b>FY Total</b>	<b>37,171</b>	<b>38,989</b>	<b>38,231</b>	<b>52,849</b>	<b>49,578</b>	<b>20,723</b>	<b>-58.2</b>
% change		4.9	-1.9	38.2	-6.2	-58.2	

Continued....

**MONTH-WISE AND PROVINCE-WISE COMPARATIVE NUTRIENT OFFTAKE DURING KHARIF 2022, RABI 2022-23 AND FISCAL YEAR 2022-23 COMPARED WITH PREVIOUS SEASONS/YEARS**

MONTHS/ SEASONS	Kharif 2017 Rabi 2017-18 FY 2017-18	Kharif 2018 Rabi 2018-19 FY 2018-19	Kharif 2019 Rabi 2019-20 FY 2019-20	Kharif 2020 Rabi 2020-21 FY 2020-21	Kharif 2021 Rabi 2021-22 FY 2021-22	Kharif 2022 Rabi 2022-23 FY 2022-23	(Tonnes)
							Percent change in Kharif 2022, Rabi 2022-23 and Fiscal Year 2022-23 over previous months/seasons/years
<b>SINDH</b>							
<b>TOTAL</b>							
April	52,267	64,407	58,565	68,427	45,884	83,132	81.2
May	80,875	90,674	123,867	45,218	76,277	79,770	4.6
June	154,499	102,508	106,435	185,904	88,878	121,973	37.2
July	109,518	114,541	85,742	120,091	110,853	63,697	-42.5
August	133,596	63,713	91,886	105,532	116,132	66,938	-42.4
September	60,869	108,002	62,843	70,541	100,286	68,949	-31.2
<b>Total Kharif</b>	<b>591,624</b>	<b>543,845</b>	<b>529,338</b>	<b>595,713</b>	<b>538,311</b>	<b>484,459</b>	-10.0
% change		-8.1	-2.7	12.5	-9.6	-10.0	
October	121,675	144,945	52,376	97,631	139,538	63,178	-54.7
November	157,986	98,420	122,102	123,498	104,677	107,253	2.5
December	102,546	124,246	219,349	141,622	83,238	129,560	55.6
January	82,300	83,773	34,483	100,137	88,951	102,182	14.9
February	53,438	52,363	67,568	48,297	76,457	84,403	10.4
March	46,834	44,126	41,377	49,657	83,129	75,476	-9.2
<b>Total Rabi</b>	<b>564,779</b>	<b>547,873</b>	<b>537,255</b>	<b>560,843</b>	<b>575,989</b>	<b>562,052</b>	-2.4
% change		-3.0	-1.9	4.4	2.7	-2.4	
April	64,407	58,565	68,427	45,884	83,132	68,548	-17.5
May	90,674	123,867	45,218	76,277	79,770	67,544	-15.3
June	102,508	106,435	185,904	88,878	121,973	101,485	-16.8
<b>FY Total</b>	<b>1,126,351</b>	<b>1,122,996</b>	<b>1,077,275</b>	<b>1,068,047</b>	<b>1,188,136</b>	<b>999,213</b>	-15.9
% change		-0.3	-4.1	-0.9	11.2	-15.9	
<b>NITROGEN</b>							
April	36,533	50,431	42,616	41,496	38,019	64,322	69.2
May	69,589	80,984	87,503	34,358	58,591	66,744	13.9
June	141,072	84,412	90,052	167,607	81,353	100,957	24.1
July	68,818	83,082	66,223	81,725	89,537	52,780	-41.1
August	121,506	50,747	78,626	69,904	92,871	63,061	-32.1
September	35,430	89,793	42,654	43,009	76,154	62,308	-18.2
<b>Total Kharif</b>	<b>472,948</b>	<b>439,449</b>	<b>407,674</b>	<b>438,099</b>	<b>436,525</b>	<b>410,172</b>	-6.0
% change		-7.1	-7.2	7.5	-0.4	-6.0	
October	79,420	82,464	26,595	64,317	92,196	55,035	-40.3
November	102,506	67,820	68,035	84,294	78,745	78,489	-0.3
December	85,373	103,321	188,441	122,099	67,891	107,492	58.3
January	72,765	70,025	30,548	87,940	69,406	88,475	27.5
February	41,168	46,223	57,752	36,490	68,479	68,034	-0.6
March	29,286	36,178	29,545	29,203	67,320	63,359	-5.9
<b>Total Rabi</b>	<b>410,518</b>	<b>406,031</b>	<b>400,916</b>	<b>424,343</b>	<b>444,037</b>	<b>460,884</b>	3.8
% change		-1.1	-1.3	5.8	4.6	3.8	
April	50,431	42,616	41,496	38,019	64,322	59,494	-7.5
May	80,984	87,503	34,358	58,591	66,744	60,066	-10.0
June	84,412	90,052	167,607	81,353	100,957	82,851	-17.9
<b>FY Total</b>	<b>852,099</b>	<b>849,824</b>	<b>831,880</b>	<b>796,943</b>	<b>934,621</b>	<b>841,444</b>	-10.0
% change		-0.3	-2.1	-4.2	17.3	-10.0	

Continued....

**MONTH-WISE AND PROVINCE-WISE COMPARATIVE NUTRIENT OFFTAKE DURING KHARIF 2022, RABI 2022-23 AND FISCAL YEAR 2022-23 COMPARED WITH PREVIOUS SEASONS/YEARS**

MONTHS/ SEASONS	Kharif 2017 Rabi 2017-18 FY 2017-18	Kharif 2018 Rabi 2018-19 FY 2018-19	Kharif 2019 Rabi 2019-20 FY 2019-20	Kharif 2020 Rabi 2020-21 FY 2020-21	Kharif 2021 Rabi 2021-22 FY 2021-22	Kharif 2022 Rabi 2022-23 FY 2022-23	(Tonnes)
							Percent change in Kharif 2022, Rabi 2022-23 and Fiscal Year 2022-23 over previous months/seasons/years
<b>PHOSPHATE</b>							
April	14,962	13,428	15,443	26,241	7,359	17,994	144.5
May	10,815	9,299	35,976	10,561	17,245	12,518	-27.4
June	13,183	17,958	15,849	17,733	7,022	19,817	182.2
July	40,046	30,755	19,164	37,871	20,698	10,013	-51.6
August	11,440	12,566	12,761	35,116	21,858	3,786	-82.7
September	24,007	16,613	19,661	26,064	23,066	6,533	-71.7
<b>Total Kharif</b>	<b>114,453</b>	<b>100,619</b>	<b>118,854</b>	<b>153,585</b>	<b>97,249</b>	<b>70,661</b>	<b>-27.3</b>
% change		-12.1	18.1	29.2	-36.7	-27.3	
October	41,193	61,566	25,077	32,062	44,203	8,000	-81.9
November	54,303	29,735	53,176	38,091	22,040	28,679	30.1
December	16,927	19,815	29,727	18,098	14,881	22,025	48.0
January	8,997	13,261	3,816	10,800	17,331	13,006	-25.0
February	11,556	5,569	9,178	10,971	7,407	15,239	105.7
March	16,788	7,056	10,954	19,495	13,887	10,168	-26.8
<b>Total Rabi</b>	<b>149,764</b>	<b>137,002</b>	<b>131,928</b>	<b>129,517</b>	<b>119,748</b>	<b>97,117</b>	<b>-18.9</b>
% change		-8.5	-3.7	-1.8	-7.5	-	
April	13,428	15,443	26,241	7,359	17,994	8,529	-52.6
May	9,299	35,976	10,561	17,245	12,518	7,059	-43.6
June	17,958	15,849	17,733	7,022	19,817	18,523	-6.5
<b>FY Total</b>	<b>265,942</b>	<b>264,204</b>	<b>238,049</b>	<b>260,194</b>	<b>235,700</b>	<b>151,560</b>	<b>-35.7</b>
% change		-0.7	-9.9	9.3	-9.4	-35.7	
<b>POTASH</b>							
April	773	548	506	690	506	815	61.2
May	472	390	388	299	441	508	15.2
June	245	138	533	564	503	1,200	138.6
July	654	704	355	496	619	904	46.0
August	650	400	499	512	1,403	91	-93.5
September	1,432	1,596	529	1,468	1,066	108	-89.9
<b>Total Kharif</b>	<b>4,226</b>	<b>3,776</b>	<b>2,810</b>	<b>4,029</b>	<b>4,537</b>	<b>3,626</b>	<b>-20.1</b>
% change		-10.6	-25.6	43.4	12.6	-20.1	
October	1,062	915	703	1,251	3,138	143	-95.4
November	1,177	866	890	1,114	3,892	85	-97.8
December	246	1,110	1,181	1,425	467	43	-90.8
January	538	487	119	1,398	2,215	701	-68.3
February	714	572	639	836	571	1,130	97.8
March	759	892	878	959	1,921	1,949	1.4
<b>Total Rabi</b>	<b>4,496</b>	<b>4,842</b>	<b>4,410</b>	<b>6,984</b>	<b>12,203</b>	<b>4,051</b>	<b>-66.8</b>
% change		7.7	-8.9	58.4	74.7	-66.8	
April	548	506	690	506	815	525	-35.6
May	390	388	299	441	508	419	-17.5
June	138	533	564	503	1,200	111	-90.7
<b>FY Total</b>	<b>8,308</b>	<b>8,969</b>	<b>7,346</b>	<b>10,909</b>	<b>17,815</b>	<b>6,209</b>	<b>-65.1</b>
% change		8.0	-18.1	48.5	63.3	-65.1	

Continued....

**MONTH-WISE AND PROVINCE-WISE COMPARATIVE NUTRIENT OFFTAKE DURING KHARIF 2022, RABI 2022-23 AND FISCAL YEAR 2022-23 COMPARED WITH PREVIOUS SEASONS/YEARS**

(Tonnes)

MONTHS/ SEASONS	Kharif 2017 Rabi 2017-18 FY 2017-18	Kharif 2018 Rabi 2018-19 FY 2018-19	Kharif 2019 Rabi 2019-20 FY 2019-20	Kharif 2020 Rabi 2020-21 FY 2020-21	Kharif 2021 Rabi 2021-22 FY 2021-22	Kharif 2022 Rabi 2022-23 FY 2022-23	Percent change in Kharif 2022, Rabi 2022-23 and Fiscal Year 2022-23 over previous months/seasons/years
<b>KP</b>							
<b>TOTAL</b>							
April	13,233	13,968	13,685	16,519	18,121	11,150	-38.5
May	18,269	10,921	17,434	8,767	15,200	11,205	-26.3
June	21,414	14,306	12,058	24,752	13,334	24,568	84.2
July	10,515	13,855	15,457	18,835	12,342	16,232	31.5
August	11,467	11,694	17,966	24,166	16,205	12,265	-24.3
September	13,635	15,077	15,139	20,090	13,508	13,329	-1.3
<b>Total Kharif</b>	<b>88,533</b>	<b>79,821</b>	<b>91,739</b>	<b>113,129</b>	<b>88,711</b>	<b>88,749</b>	<b>0.04</b>
% change		-9.8	14.9	23.3	-21.6	0.04	
October	18,885	23,156	13,096	17,860	20,607	14,359	-30.3
November	23,353	11,656	18,463	25,080	17,686	24,922	40.9
December	12,472	15,117	22,468	19,425	12,976	28,178	117.2
January	12,448	15,043	11,130	13,506	12,852	15,454	20.2
February	13,101	12,917	16,686	17,044	18,089	12,833	-29.1
March	19,232	16,262	17,014	22,004	16,032	18,169	13.3
<b>Total Rabi</b>	<b>99,491</b>	<b>94,151</b>	<b>98,857</b>	<b>114,919</b>	<b>98,243</b>	<b>113,915</b>	<b>16.0</b>
% change		-5.4	5.0	16.2	-14.5	16.0	
April	13,968	13,685	16,519	18,121	11,150	12,667	13.6
May	10,921	17,434	8,767	15,200	11,205	15,443	37.8
June	14,306	12,058	24,752	13,334	24,568	18,429	-25.0
<b>FY Total</b>	<b>174,303</b>	<b>177,954</b>	<b>197,457</b>	<b>224,666</b>	<b>187,221</b>	<b>202,280</b>	<b>8.0</b>
% change		2.1	11.0	13.8	-16.7	8.0	
<b>NITROGEN</b>							
April	10,505	12,268	10,664	13,543	16,663	9,735	-41.6
May	15,436	9,804	13,883	7,195	11,720	9,430	-19.5
June	19,508	11,004	9,777	19,123	12,042	21,344	77.3
July	8,439	8,609	11,293	14,714	10,300	14,407	39.9
August	9,793	10,223	14,439	17,520	12,071	11,673	-3.3
September	5,305	9,993	10,861	13,545	9,826	12,023	22.4
<b>Total Kharif</b>	<b>68,986</b>	<b>61,901</b>	<b>70,917</b>	<b>85,640</b>	<b>72,621</b>	<b>78,612</b>	<b>8.3</b>
% change		-10.3	14.6	20.8	-15.2	8.3	
October	10,234	13,507	6,287	12,679	12,428	12,550	1.0
November	14,680	7,330	12,700	17,298	12,988	20,068	54.5
December	9,864	12,765	21,076	16,578	11,050	22,539	104.0
January	10,161	12,888	9,634	11,384	11,183	12,114	8.3
February	10,231	10,552	12,979	13,852	15,595	8,233	-47.2
March	13,190	13,590	11,572	15,281	12,254	14,737	20.3
<b>Total Rabi</b>	<b>68,360</b>	<b>70,632</b>	<b>74,248</b>	<b>87,070</b>	<b>75,499</b>	<b>90,241</b>	<b>19.5</b>
% change		3.3	5.1	17.3	-13.3	19.5	
April	12,268	10,664	13,543	16,663	9,735	11,637	19.5
May	9,804	13,883	7,195	11,720	9,430	13,564	43.8
June	11,004	9,777	19,123	12,042	21,344	15,167	-28.9
<b>FY Total</b>	<b>124,973</b>	<b>133,781</b>	<b>150,702</b>	<b>173,273</b>	<b>148,204</b>	<b>168,712</b>	<b>13.8</b>
% change		7.0	12.6	15.0	-14.5	13.8	

Continued....

**MONTH-WISE AND PROVINCE-WISE COMPARATIVE NUTRIENT OFFTAKE DURING KHARIF 2022, RABI 2022-23 AND FISCAL YEAR 2022-23 COMPARED WITH PREVIOUS SEASONS/YEARS**

(Tonnes)

MONTHS/ SEASONS	Kharif 2017 Rabi 2017-18 FY 2017-18	Kharif 2018 Rabi 2018-19 FY 2018-19	Kharif 2019 Rabi 2019-20 FY 2019-20	Kharif 2020 Rabi 2020-21 FY 2020-21	Kharif 2021 Rabi 2021-22 FY 2021-22	Kharif 2022 Rabi 2022-23 FY 2022-23	Percent change in Kharif 2022, Rabi 2022-23 and Fiscal Year 2022-23 over previous months/seasons/years
<b>PHOSPHATE</b>							
April	2,533	1,405	2,799	2,851	1,429	1,378	-3.5
May	2,639	1,015	3,494	1,541	3,352	1,729	-48.4
June	1,876	3,264	2,197	5,432	1,224	3,181	159.9
July	2,029	4,999	4,061	4,023	1,977	1,790	-9.5
August	1,582	1,155	3,225	6,414	3,692	565	-84.7
September	8,017	4,747	3,837	5,957	3,553	1,253	-64.7
<b>Total Kharif</b>	<b>18,676</b>	<b>16,585</b>	<b>19,613</b>	<b>26,218</b>	<b>15,227</b>	<b>9,897</b>	<b>-35.0</b>
% change		-11.2	18.3	33.7	-41.9	-35.0	
October	8,526	9,327	6,735	4,952	8,011	1,797	-77.6
November	8,483	4,225	5,670	7,509	4,486	4,853	8.2
December	2,588	2,220	1,225	2,720	1,825	5,634	208.7
January	2,028	1,862	1,409	1,884	1,526	3,065	100.9
February	2,592	1,933	2,929	2,903	1,842	3,759	104.1
March	5,067	1,625	4,983	5,416	3,707	3,369	-9.1
<b>Total Rabi</b>	<b>29,284</b>	<b>21,192</b>	<b>22,951</b>	<b>25,384</b>	<b>21,396</b>	<b>22,477</b>	<b>5.1</b>
% change		-27.6	8.3	10.6	-15.7	5.1	
April	1,405	2,799	2,851	1,429	1,378	1,024	-25.7
May	1,015	3,494	1,541	3,352	1,729	1,878	8.6
June	3,264	2,197	5,432	1,224	3,181	3,249	2.1
<b>FY Total</b>	<b>46,596</b>	<b>40,583</b>	<b>43,898</b>	<b>47,783</b>	<b>36,907</b>	<b>32,236</b>	<b>-12.7</b>
% change		-12.9	8.2	8.9	-22.8	-12.7	
<b>POTASH</b>							
April	196	295	222	125	29	37	25.1
May	194	102	56	31	129	45	-64.9
June	31	39	84	198	68	43	-37.7
July	48	247	103	98	65	35	-46.4
August	92	317	302	232	443	27	-93.9
September	312	338	442	588	129	53	-58.9
<b>Total Kharif</b>	<b>873</b>	<b>1,338</b>	<b>1,209</b>	<b>1,271</b>	<b>864</b>	<b>240</b>	<b>-72.2</b>
% change		53.3	-9.6	5.1	-32.0	-72.2	
October	124	322	74	229	169	12	-92.9
November	190	101	93	273	212	1	-99.5
December	19	132	167	127	101	5	-95.1
January	260	293	86	239	143	275	92.4
February	278	432	778	290	652	841	28.9
March	975	1,047	459	1,307	72	63	-11.9
<b>Total Rabi</b>	<b>1,846</b>	<b>2,327</b>	<b>1,657</b>	<b>2,465</b>	<b>1,348</b>	<b>1,197</b>	<b>-11.2</b>
% change		26.1	-28.8	48.8	-45.3	-11.2	
April	295	222	125	29	37	6	-83.7
May	102	56	31	129	45	1	-97.8
June	39	84	198	68	43	13	-69.5
<b>FY Total</b>	<b>2,734</b>	<b>3,591</b>	<b>2,858</b>	<b>3,609</b>	<b>2,110</b>	<b>1,332</b>	<b>-36.9</b>
% change		31.3	-20.4	26.3	-41.5	-36.9	

Continued....

**MONTH-WISE AND PROVINCE-WISE COMPARATIVE NUTRIENT OFFTAKE DURING KHARIF 2022, RABI 2022-23 AND FISCAL YEAR 2022-23 COMPARED WITH PREVIOUS SEASONS/YEARS**

(Tonnes)

MONTHS/ SEASONS	Kharif 2017 Rabi 2017-18 FY 2017-18	Kharif 2018 Rabi 2018-19 FY 2018-19	Kharif 2019 Rabi 2019-20 FY 2019-20	Kharif 2020 Rabi 2020-21 FY 2020-21	Kharif 2021 Rabi 2021-22 FY 2021-22	Kharif 2022 Rabi 2022-23 FY 2022-23	Percent change in Kharif 2022, Rabi 2022-23 and Fiscal Year 2022-23 over previous months/seasons/years
<b>BALUCHISTAN</b>							
<b>TOTAL</b>							
April	7,208	7,868	10,553	8,836	8,673	11,838	36.5
May	8,210	9,964	14,587	7,189	18,070	7,081	-60.8
June	12,661	11,921	14,167	35,187	17,069	12,052	-29.4
July	20,426	12,480	13,770	24,483	22,708	13,355	-41.2
August	14,114	7,382	12,842	24,805	23,200	8,261	-64.4
September	11,674	10,760	12,423	10,761	14,115	4,409	-68.8
<b>Total Kharif</b>	<b>74,293</b>	<b>60,375</b>	<b>78,342</b>	<b>111,262</b>	<b>103,835</b>	<b>56,997</b>	<b>-45.1</b>
% change		-18.7	29.8	42.0	-6.7	-45.1	
October	14,002	12,823	15,436	12,035	14,252	16,819	18.0
November	17,406	13,377	19,614	12,125	9,723	15,723	61.7
December	11,870	16,920	33,612	15,880	7,246	18,324	152.9
January	9,852	7,602	10,811	14,066	7,440	10,443	40.4
February	8,642	10,024	14,306	9,622	7,348	11,638	58.4
March	8,995	9,537	9,409	12,680	10,569	11,220	6.2
<b>Total Rabi</b>	<b>70,767</b>	<b>70,283</b>	<b>103,188</b>	<b>76,408</b>	<b>56,578</b>	<b>84,167</b>	<b>48.8</b>
% change		-0.7	46.8	-26.0	-26.0	48.8	
April	7,868	10,553	8,836	8,673	11,838	4,822	-59.3
May	9,964	14,587	7,189	18,070	7,081	4,221	-40.4
June	11,921	14,167	35,187	17,069	12,052	14,399	19.5
<b>FY Total</b>	<b>146,734</b>	<b>140,212</b>	<b>193,435</b>	<b>180,269</b>	<b>147,572</b>	<b>133,634</b>	<b>-9.4</b>
% change		-4.4	38.0	-6.8	-18.1	-9.4	
<b>NITROGEN</b>							
April	4,731	5,980	6,688	6,710	7,445	9,263	24.4
May	6,142	8,470	10,372	5,017	15,400	5,390	-65.0
June	10,665	9,623	10,950	27,503	15,881	9,168	-42.3
July	10,208	8,055	10,259	17,298	19,803	11,242	-43.2
August	11,723	5,704	9,351	19,079	19,637	7,757	-60.5
September	5,628	8,109	7,989	6,321	10,824	3,836	-64.6
<b>Total Kharif</b>	<b>49,097</b>	<b>45,941</b>	<b>55,609</b>	<b>81,928</b>	<b>88,990</b>	<b>46,656</b>	<b>-47.6</b>
		-6.4	21.0	47.3	8.6	-47.6	
October	8,366	7,831	8,345	6,196	7,655	13,190	72.3
November	11,649	8,764	10,593	9,073	7,012	11,038	57.4
December	9,276	11,687	27,398	12,212	6,371	15,136	137.6
January	8,759	5,963	8,522	12,125	6,144	8,184	33.2
February	7,108	8,273	12,256	8,240	6,443	8,979	39.4
March	7,083	8,015	7,851	11,015	9,082	10,309	13.5
<b>Total Rabi</b>	<b>52,241</b>	<b>50,533</b>	<b>74,965</b>	<b>58,862</b>	<b>42,708</b>	<b>66,836</b>	<b>56.5</b>
% change		-3.3	48.3	-21.5	-27.4	56.5	
April	5,980	6,688	6,710	7,445	9,263	4,292	-53.7
May	8,470	10,372	5,017	15,400	5,390	3,102	-42.4
June	9,623	10,950	27,503	15,881	9,168	10,052	9.6
<b>FY Total</b>	<b>103,873</b>	<b>100,411</b>	<b>141,794</b>	<b>140,287</b>	<b>116,792</b>	<b>107,117</b>	<b>-8.3</b>
% change		-3.3	41.2	-1.1	-16.7	-8.3	

Continued....

**MONTH-WISE AND PROVINCE-WISE COMPARATIVE NUTRIENT OFFTAKE DURING KHARIF 2022, RABI 2022-23 AND FISCAL YEAR 2022-23 COMPARED WITH PREVIOUS SEASONS/YEARS**

MONTHS/ SEASONS	Kharif 2017 Rabi 2017-18 FY 2017-18	Kharif 2018 Rabi 2018-19 FY 2018-19	Kharif 2019 Rabi 2019-20 FY 2019-20	Kharif 2020 Rabi 2020-21 FY 2020-21	Kharif 2021 Rabi 2021-22 FY 2021-22	Kharif 2022 Rabi 2022-23 FY 2022-23	(Tonnes)
							Percent change in Kharif 2022, Rabi 2022-23 and Fiscal Year 2022-23 over previous months/seasons/years
<b>PHOSPHATE</b>							
April	2,285	1,776	3,776	2,007	1,145	2,545	122.3
May	1,933	1,347	4,157	2,089	2,566	1,538	-40.1
June	1,938	2,243	3,156	7,359	1,115	2,848	155.4
July	10,196	4,263	3,448	7,104	2,827	2,085	-26.2
August	2,274	1,601	3,374	5,600	3,360	488	-85.5
September	5,763	2,191	4,274	4,084	3,137	529	-83.1
<b>Total Kharif</b>	<b>24,389</b>	<b>13,421</b>	<b>22,185</b>	<b>28,243</b>	<b>14,151</b>	<b>10,033</b>	<b>-29.1</b>
% change		-45.0	65.3	27.3	-49.9	-29.1	
October	5,429	4,788	6,951	5,533	6,345	3,567	-43.8
November	5,638	4,474	8,926	2,979	2,586	4,675	80.8
December	2,510	5,091	6,065	3,420	829	3,177	283.2
January	981	1,517	2,216	1,806	1,266	2,224	75.7
February	1,230	1,581	1,767	1,263	802	2,507	212.7
March	1,751	1,380	1,410	1,458	1,327	885	-33.3
<b>Total Rabi</b>	<b>17,539</b>	<b>18,831</b>	<b>27,335</b>	<b>16,459</b>	<b>13,155</b>	<b>17,035</b>	<b>29.5</b>
% change		7.4	45.2	-39.8	-20.1	29.5	
April	1,776	3,776	2,007	1,145	2,545	494	-80.6
May	1,347	4,157	2,089	2,566	1,538	1,068	-30.5
June	2,243	3,156	7,359	1,115	2,848	4,321	51.7
<b>FY Total</b>	<b>41,138</b>	<b>37,975</b>	<b>49,886</b>	<b>38,073</b>	<b>29,410</b>	<b>26,020</b>	<b>-11.5</b>
% change		-7.7	31.4	-23.7	-22.8	-11.5	
<b>POTASH</b>							
April	193	112	89	119	83	30	-63.5
May	135	148	59	83	103	154	49.1
June	58	55	62	325	73	36	-49.7
July	22	162	63	82	78	28	-64.3
August	117	78	118	126	203	16	-92.1
September	283	461	160	355	153	44	-71.3
<b>Total Kharif</b>	<b>808</b>	<b>1,016</b>	<b>551</b>	<b>1,090</b>	<b>694</b>	<b>309</b>	<b>-55.5</b>
% change		25.7	-45.8	97.9	-36.4	-55.5	
October	206	204	141	305	252	62	-75.4
November	119	139	94	73	125	10	-92.0
December	83	142	149	248	46	11	-75.9
January	112	123	73	134	29	35	20.3
February	304	170	282	119	103	152	47.3
March	161	142	148	206	160	26	-83.8
<b>Total Rabi</b>	<b>985</b>	<b>920</b>	<b>887</b>	<b>1,086</b>	<b>715</b>	<b>296</b>	<b>-58.6</b>
% change		-6.6	-3.6	22.5	-34.2	-58.6	
April	112	89	119	83	30	36	18.3
May	148	59	83	103	154	51	-66.9
June	55	62	325	73	36	26	-28.6
<b>FY Total</b>	<b>1,722</b>	<b>1,831</b>	<b>1,755</b>	<b>1,908</b>	<b>1,370</b>	<b>497</b>	<b>-63.7</b>
% change		6.3	-4.2	8.7	-28.2	-63.7	

## MONTH-WISE PRODUCT-WISE OFFTAKE DURING 2021-22 AND 2022-23

(2021-22)

		(Tonnes)												
PRODUCT	SOURCE	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY.	JUN.	TOTAL
<b>PRODUCT TONNES</b>														
UREA	Imported	-	-	-	-	-	-	-	-	-	-	265	14,149	14,414
UREA	FFC	286,501	316,522	249,355	247,649	264,263	263,909	258,297	251,632	237,990	215,626	216,778	354,921	3,163,443
UREA	DHCL	-	-	-	-	-	-	-	-	-	-	-	-	0
UREA	PAK-ARAB	4,137	6,608	14,576	5,965	5,223	10,477	10,528	9,674	10,926	6,543	4,676	10,971	100,304
UREA	EFERT	239,691	202,766	134,126	161,488	200,963	189,435	208,732	169,755	170,565	157,176	151,031	240,304	2,226,032
UREA	Agri Tech Limited (PAFL)	17,416	37,759	10,754	25,760	33,770	47,275	30,560	30,295	26,585	21,079	16,976	29,348	327,576
UREA	Fatima Fertilizer Company	73,986	84,859	78,339	73,027	69,816	87,636	89,677	65,487	62,672	58,528	27,794	87,277	859,097
<b>UREA</b>	<b>TOTAL</b>	<b>621,731</b>	<b>648,513</b>	<b>487,149</b>	<b>513,890</b>	<b>574,034</b>	<b>598,732</b>	<b>597,794</b>	<b>526,843</b>	<b>508,738</b>	<b>458,952</b>	<b>417,521</b>	<b>736,970</b>	<b>6,690,865</b>
NP	Imported	-	-	-	-	-	-	-	-	-	-	-	-	0
NP	PAK-ARAB	26,891	31,056	20,116	32,518	22,719	15,199	9,581	31,873	12,959	25,488	32,628	24,925	285,953
NP	EFERT	2,972	4,631	1,560	5,855	7,378	2,627	11,306	4,009	2,435	5,042	7,739	5,738	61,292
NP	Fatima Fertilizer Company	40,384	50,740	39,937	81,297	57,895	47,368	27,523	28,948	20,638	41,403	28,719	25,631	490,482
<b>NP</b>	<b>TOTAL</b>	<b>70,247</b>	<b>86,427</b>	<b>61,614</b>	<b>119,670</b>	<b>87,992</b>	<b>65,194</b>	<b>48,409</b>	<b>64,830</b>	<b>36,032</b>	<b>71,933</b>	<b>69,086</b>	<b>56,294</b>	<b>837,727</b>
SSP	Imported	-	-	-	-	-	-	-	-	-	-	-	-	0
SSP	LCFL	-	-	-	-	-	-	-	-	-	-	-	-	0
SSP	Agritech Limited (PAFL)	8,218	7,731	5,451	16,333	12,531	5,965	2,013	2,004	2,348	3,573	4,886	5,722	76,774
SSP	Suraj Fertilizer	2,305	1,724	2,364	10,225	4,231	422	17	1,131	759	625	1,423	1,471	26,699
SSP	Safi Chemicals	400	500	400	650	800	400	190	80	70	80	120	40	3,730
<b>SSP</b>	<b>TOTAL</b>	<b>10,923</b>	<b>9,955</b>	<b>8,215</b>	<b>27,208</b>	<b>17,562</b>	<b>6,787</b>	<b>2,220</b>	<b>3,215</b>	<b>3,177</b>	<b>4,278</b>	<b>6,429</b>	<b>7,232</b>	<b>107,202</b>
DAP	Imported	100,601	93,501	122,708	224,693	139,320	39,245	50,822	40,520	41,933	59,766	39,459	39,174	991,742
DAP	FFC-SONA	92,817	93,031	98,424	117,594	80,551	77,300	62,001	14,841	37,708	35,465	54,924	106,326	870,982
<b>DAP</b>	<b>TOTAL</b>	<b>193,418</b>	<b>186,532</b>	<b>221,132</b>	<b>342,287</b>	<b>219,871</b>	<b>116,545</b>	<b>112,823</b>	<b>55,361</b>	<b>79,641</b>	<b>95,231</b>	<b>94,383</b>	<b>145,500</b>	<b>1,862,724</b>
CAN	PAK-ARAB	27,105	29,995	13,309	39,861	37,644	37,414	29,413	28,339	29,311	30,248	27,228	27,828	357,694
CAN	Fatima Fertilizer Company	44,363	49,503	19,424	66,495	14,713	39,527	46,599	41,598	39,396	27,155	24,163	49,326	462,260
<b>CAN</b>	<b>TOTAL</b>	<b>71,467</b>	<b>79,499</b>	<b>32,733</b>	<b>106,356</b>	<b>52,356</b>	<b>76,941</b>	<b>76,012</b>	<b>69,937</b>	<b>68,706</b>	<b>57,402</b>	<b>51,391</b>	<b>77,154</b>	<b>819,953</b>
TSP	Imported	-	-	-	-	-	-	-	-	-	-	-	-	0
SOP	Pacific	243	-	835	1,078	765	1,957	1,618	665	747	589	558	870	9,924
SOP	Imported	5,398	6,611	4,334	5,450	3,282	2,298	1,739	1,608	572	284	587	461	32,623
<b>SOP</b>	<b>TOTAL</b>	<b>5,641</b>	<b>6,611</b>	<b>5,169</b>	<b>6,528</b>	<b>4,047</b>	<b>4,255</b>	<b>3,357</b>	<b>2,273</b>	<b>1,318</b>	<b>873</b>	<b>1,144</b>	<b>1,330</b>	<b>42,547</b>
MAP	Imported	128	1,137	5,141	7,725	1,548	197	2,814	804	597	465	2,202	380	23,136
MOP	Imported	5,008	9,452	3,549	7,095	7,368	4,370	5,603	2,575	4,152	2,703	2,192	2,306	56,373
NPKs	EFERT	6,581	9,897	14,393	13,946	6,127	1,883	5,681	8,417	7,791	3,700	4,514	5,197	88,127
NPKs	Safi Chemicals	-	-	-	-	-	-	-	-	-	-	-	-	0
AS	Imported	2,726	3,092	3,342	2,447	2,964	3,259	4,815	886	2,163	860	2,722	3,291	32,568
<b>GRAND TOTAL</b>		<b>987,870</b>	<b>1,041,115</b>	<b>842,435</b>	<b>1,147,153</b>	<b>973,869</b>	<b>878,163</b>	<b>859,528</b>	<b>735,140</b>	<b>712,315</b>	<b>696,396</b>	<b>651,584</b>	<b>1,035,654</b>	<b>10,561,222</b>

Continued....

## MONTH-WISE PRODUCT-WISE OFFTAKE DURING 2021-22 AND 2022-23

(2022-23)

		(Tonnes)												
PRODUCT	SOURCE	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY.	JUN.	TOTAL
<b>PRODUCT TONNES</b>														
UREA	Imported	74,748	11,024	-	-	34,325	147,879	141,967	48,040	22,688	4,114	239	-	485,024
UREA	FFC	170,379	219,268	236,981	233,472	272,801	277,352	221,315	227,848	269,716	171,134	242,285	295,722	2,838,273
UREA	DHCL	-	-	-	-	-	-	2,140	-	-	20,303	34,096	34,571	91,110
UREA	PAK-ARAB	14,318	10,785	9,661	6,131	13,369	9,829	2,896	-	1,220	7,340	6,793	8,881	91,223
UREA	EFERT	86,545	174,504	163,502	97,115	95,649	220,501	215,414	186,674	148,526	157,061	117,051	209,498	1,872,040
UREA	Agri Tech Limited (PAFL)	31,372	43,581	28,597	23,582	38,569	30,890	2,630	803	1,945	23,378	26,675	20,317	272,339
UREA	Fatima Fertilizer Company	85,446	93,187	69,181	69,343	128,353	146,754	44,914	39,397	45,135	24,967	31,948	41,358	819,983
<b>UREA</b>	<b>TOTAL</b>	<b>462,808</b>	<b>552,349</b>	<b>507,922</b>	<b>429,643</b>	<b>583,066</b>	<b>833,205</b>	<b>631,276</b>	<b>502,762</b>	<b>489,230</b>	<b>408,297</b>	<b>459,087</b>	<b>610,347</b>	<b>6,469,992</b>
NP	Imported	-	-	-	-	-	-	-	-	-	-	-	-	0
NP	PAK-ARAB	29,471	11,101	15,138	18,624	34,579	61,825	23,294	35,446	10,014	22,095	36,433	64,543	362,563
NP	EFERT	3,170	1,536	595	1,447	6,237	12,157	8,154	5,219	5,303	1,528	5,254	2,090	52,690
NP	Fatima Fertilizer Company	37,569	5,310	16,955	18,392	49,907	70,558	32,637	54,754	21,638	24,787	41,166	66,851	440,524
<b>NP</b>	<b>TOTAL</b>	<b>70,210</b>	<b>17,947</b>	<b>32,688</b>	<b>38,463</b>	<b>90,723</b>	<b>144,540</b>	<b>64,085</b>	<b>95,419</b>	<b>36,955</b>	<b>48,410</b>	<b>82,853</b>	<b>133,485</b>	<b>855,777</b>
SSP	Imported	-	-	-	-	-	-	-	-	-	-	-	-	0
SSP	LCFL	-	-	-	-	-	-	-	-	-	-	-	-	0
SSP	Agri Tech Limited (PAFL)	4,113	2,601	5,969	5,639	7,939	7,332	3,843	4,813	1,010	1,299	5,755	9,281	59,594
SSP	Suraj Fertilizer	1,265	379	1,003	1,188	199	3	255	-	50	76	206	391	5,015
SSP	Safi Chemicals	30	20	30	20	30	-	-	-	-	-	-	-	130
<b>SSP</b>	<b>TOTAL</b>	<b>5,408</b>	<b>3,000</b>	<b>7,002</b>	<b>6,847</b>	<b>8,168</b>	<b>7,335</b>	<b>4,098</b>	<b>4,813</b>	<b>1,060</b>	<b>1,375</b>	<b>5,961</b>	<b>9,672</b>	<b>64,739</b>
DAP	Imported	27,980	14,452	43,770	38,332	101,322	45,599	42,030	46,845	28,356	23,102	26,837	77,994	516,619
DAP	FFC-SONA	39,137	11,553	18,864	33,128	135,083	111,920	53,816	50,762	22,882	27,662	39,113	80,133	624,053
<b>DAP</b>	<b>TOTAL</b>	<b>67,117</b>	<b>26,005</b>	<b>62,634</b>	<b>71,460</b>	<b>236,405</b>	<b>157,519</b>	<b>95,846</b>	<b>97,607</b>	<b>51,238</b>	<b>50,764</b>	<b>65,950</b>	<b>158,127</b>	<b>1,140,672</b>
CAN	PAK-ARAB	28,227	30,672	12,135	15,453	24,028	80,333	23,040	-	9,754	32,855	33,770	30,938	321,205
CAN	Fatima Fertilizer Company	48,228	45,972	29,184	41,245	49,242	62,974	43,569	41,264	45,852	29,093	43,022	40,026	519,671
<b>CAN</b>	<b>TOTAL</b>	<b>76,455</b>	<b>76,644</b>	<b>41,319</b>	<b>56,698</b>	<b>73,270</b>	<b>143,307</b>	<b>66,609</b>	<b>41,264</b>	<b>55,606</b>	<b>61,948</b>	<b>76,792</b>	<b>70,964</b>	<b>840,876</b>
TSP	Imported	-	-	-	-	-	-	-	-	300	-	-	-	300
SOP	Pacific	-	325	939	910	366	438	1,969	2,080	2,005	1,509	1,788	437	12,766
SOP	Imported	182	217	1,069	798	490	106	6,464	6,052	2,127	618	821	893	19,837
<b>SOP</b>	<b>TOTAL</b>	<b>182</b>	<b>542</b>	<b>2,008</b>	<b>1,708</b>	<b>856</b>	<b>544</b>	<b>8,433</b>	<b>8,132</b>	<b>4,132</b>	<b>2,127</b>	<b>2,609</b>	<b>1,330</b>	<b>32,603</b>
MAP	Imported	189	120	153	261	577	111	511	116	98	-	260	51	2,447
MOP	Imported	1,248	7	1,288	235	28	209	1,910	775	2,776	895	562	9	9,942
NPks	EFERT	3,890	2,400	2,963	3,261	699	157	3,639	10,868	4,674	2,015	571	779	35,916
NPks	Safi Chemicals	-	-	-	-	-	-	-	-	-	-	-	-	0
AS	Imported	645	623	678	996	798	751	1,197	2,470	1,295	2,156	2,006	1,243	14,858
<b>GRAND TOTAL</b>		<b>688,152</b>	<b>679,637</b>	<b>658,655</b>	<b>609,572</b>	<b>994,590</b>	<b>1,287,678</b>	<b>877,604</b>	<b>764,226</b>	<b>647,364</b>	<b>577,987</b>	<b>696,651</b>	<b>986,007</b>	<b>9,468,122</b>

**MONTH-WISE AND PROVINCE-WISE COMPARATIVE OFFTAKE OF PRINCIPAL PRODUCTS  
(UREA & DAP) DURING KHARIF 2022, RABI 2022-23 AND FISCAL YEAR 2022-23 COMPARED WITH  
PREVIOUS SEASONS/YEARS**

(Tonnes)

MONTHS/ SEASONS	Kharif 2017 Rabi 2017-18 FY 2017-18	Kharif 2018 Rabi 2018-19 FY 2018-19	Kharif 2019 Rabi 2019-20 FY 2019-20	Kharif 2020 Rabi 2020-21 FY 2020-21	Kharif 2021 Rabi 2021-22 FY 2021-22	Kharif 2022 Rabi 2022-23 FY 2022-23	Percent change in Kharif 2022, Rabi 2022-23 and Fiscal Year 2022-23 over previous months/seasons/years
<b>PAKISTAN</b>							
<b>UREA</b>							
April	249,865	375,459	292,425	242,348	309,245	458,952	48.4
May	520,902	493,808	592,525	239,634	501,488	417,521	-16.7
June	1,059,648	608,109	642,577	1,164,925	690,238	736,970	6.8
July	339,002	496,634	465,496	574,885	621,731	462,808	-25.6
August	884,858	430,696	625,424	573,290	648,513	552,349	-14.8
September	179,813	482,417	405,306	392,815	487,149	507,922	4.3
<b>Total Kharif</b>	<b>3,234,088</b>	<b>2,887,123</b>	<b>3,023,753</b>	<b>3,187,897</b>	<b>3,258,363</b>	<b>3,136,522</b>	<b>-3.7</b>
% change		-10.7	4.7	5.4	2.2	-3.7	
October	375,386	465,071	121,359	413,135	513,890	429,643	-16.4
November	601,671	496,923	380,729	533,084	574,034	583,066	1.6
December	715,685	710,890	1,345,359	880,624	598,732	833,205	39.2
January	539,216	563,652	261,747	648,539	597,794	631,276	5.6
February	370,014	388,197	460,447	406,203	526,843	502,761	-4.6
March	342,093	408,461	302,500	343,046	508,738	489,231	-3.8
<b>Total Rabi</b>	<b>2,944,065</b>	<b>3,033,194</b>	<b>2,872,141</b>	<b>3,224,630</b>	<b>3,320,031</b>	<b>3,469,182</b>	<b>4.5</b>
% change		3.0	-5.3	12.3	3.0	4.5	
April	375,459	292,425	242,348	309,245	458,952	408,297	-11.0
May	493,808	592,525	239,634	501,488	417,521	459,087	10.0
June	608,109	642,577	1,164,925	690,238	736,970	610,348	-17.2
<b>FY Total</b>	<b>5,825,114</b>	<b>5,970,468</b>	<b>6,015,274</b>	<b>6,266,590</b>	<b>6,690,866</b>	<b>6,469,992</b>	<b>-3.3</b>
% change		2.5	0.8	4.2	6.8	-3.3	
<b>DAP</b>							
April	95,697	68,800	86,170	150,721	46,169	95,231	106.3
May	70,716	62,513	213,024	60,857	173,233	94,383	-45.5
June	111,754	189,898	157,743	175,949	68,180	145,499	113.4
July	283,116	301,790	202,033	250,972	193,418	67,117	-65.3
August	77,767	79,067	105,295	295,012	186,532	26,005	-86.1
September	353,626	198,945	209,871	228,479	221,132	62,634	-71.7
<b>Total Kharif</b>	<b>992,676</b>	<b>901,013</b>	<b>974,136</b>	<b>1,161,990</b>	<b>888,663</b>	<b>490,869</b>	<b>-44.8</b>
% change		-9.2	8.1	19.3	-23.5	-44.8	
October	387,095	521,251	270,917	229,374	342,287	71,459	-79.1
November	501,796	264,586	404,219	356,800	219,871	236,405	7.5
December	150,476	189,045	193,312	205,783	116,545	157,519	35.2
January	92,209	74,621	43,724	83,521	112,823	95,846	-15.0
February	122,431	48,533	87,562	89,140	55,361	97,607	76.3
March	150,156	65,475	79,220	143,760	79,641	51,238	-35.7
<b>Total Rabi</b>	<b>1,404,163</b>	<b>1,163,511</b>	<b>1,078,954</b>	<b>1,108,379</b>	<b>926,528</b>	<b>710,073</b>	<b>-23.4</b>
% change		-17.1	-7.3	2.7	-16.4	-23.4	
April	68,800	86,170	150,721	46,169	95,231	50,764	-46.7
May	62,513	213,024	60,857	173,233	94,383	65,950	-30.1
June	189,898	157,743	175,949	68,180	145,499	158,127	8.7
<b>FY Total</b>	<b>2,439,883</b>	<b>2,200,250</b>	<b>1,983,680</b>	<b>2,170,423</b>	<b>1,862,723</b>	<b>1,140,670</b>	<b>-38.8</b>
% change		-9.8	-9.8	9.4	-14.2	-38.8	

Continued....

**MONTH-WISE AND PROVINCE-WISE COMPARATIVE OFFTAKE OF PRINCIPAL RPDODUCTS  
(UREA &DAP) DURING KHARIF 2022, RABI 2022-23 AND FISCAL YEAR 2022-23 COMPARED WITH  
PREVIOUS SEASONS/YEARS**

(Tonnes)

MONTHS/ SEASONS	Kharif 2017 Rabi 2017-18 FY 2017-18	Kharif 2018 Rabi 2018-19 FY 2018-19	Kharif 2019 Rabi 2019-20 FY 2019-20	Kharif 2020 Rabi 2020-21 FY 2020-21	Kharif 2021 Rabi 2021-22 FY 2021-22	Kharif 2022 Rabi 2022-23 FY 2022-23	Percent change in Kharif 2022, Rabi 2022-23 and Fiscal Year 2022-23 over previous months/seasons/years
<b>PUNJAB</b>							
<b>UREA</b>							
April	166078	258152	197975	159520	206,138	320,288	55.4
May	356,255	301,045	399,861	158,770	355,961	275,238	-22.7
June	729,309	403,817	423,733	738,772	472,932	488,989	3.4
July	202,927	328,517	309,388	389,980	398,533	322,220	-19.1
August	598,953	308,046	428,184	397,842	422,571	386,309	-8.6
September	119,861	271,512	299,846	298,026	309,116	352,925	14.2
<b>Total Kharif</b>	<b>2,173,383</b>	<b>1,871,089</b>	<b>2,058,987</b>	<b>2,142,910</b>	<b>2,165,250</b>	<b>2,145,969</b>	<b>-0.9</b>
% change		-13.9	10.0	4.1	1.0	-0.9	
October	224845	318097	74133	283,812	355,845	283,323	-20.4
November	394,501	357,794	252,291	349,834	397,781	395,168	-0.7
December	524,440	463,594	875,921	585,190	443,231	575,023	29.7
January	357,302	393,162	166,952	432,938	444,906	427,231	-4.0
February	262,125	260,365	302,990	303,450	353,806	355,023	0.3
March	260,446	298,227	224,754	258,412	354,447	327,670	-7.6
<b>Total Rabi</b>	<b>2,023,659</b>	<b>2,091,239</b>	<b>1,897,041</b>	<b>2,213,636</b>	<b>2,350,017</b>	<b>2,363,437</b>	<b>0.6</b>
% change		3.3	-9.3	16.7	6.2	0.6	
April	258152	197975	159520	206,138	320,288	264,993	-17.3
May	301,045	399,861	158,770	355,961	275,238	317,725	15.4
June	403,817	423,733	738,772	472,932	488,989	417,401	-14.6
<b>FY Total</b>	<b>3,908,414</b>	<b>4,020,883</b>	<b>3,991,521</b>	<b>4,334,513</b>	<b>4,564,751</b>	<b>4,425,010</b>	<b>-3.1</b>
% change		2.9	-0.7	8.6	5	-3.1	
<b>DAP</b>							
April	64,240	44,195	55,403	103,408	36,807	63,676	73.0
May	46,863	43,691	135,635	39,170	130,089	69,671	-46.4
June	86,124	142,447	116,870	115,617	54,681	98,184	79.6
July	178,063	222,575	157,163	163,678	148,201	48,813	-67.1
August	52,548	52,093	71,104	211,057	142,026	17,516	-87.7
September	279,420	151,691	155,557	161,705	165,252	50,436	-69.5
<b>Total Kharif</b>	<b>707,258</b>	<b>656,692</b>	<b>691,732</b>	<b>794,636</b>	<b>677,056</b>	<b>348,295</b>	<b>-48.6</b>
% change		-7.1	5.3	14.9	-14.8	-48.6	
October	286,494	370,771	196,919	151,848	245,155	51,197	-79.1
November	363,911	189,575	271,446	267,645	172,197	170,254	-1.1
December	111,108	135,689	129,255	162,919	88,350	106,987	21.1
January	72,494	47,274	32,038	65,667	80,564	67,818	-15.8
February	96,190	34,302	67,138	69,194	42,987	72,755	69.2
March	108,465	51,083	56,425	100,444	52,625	32,157	-38.9
<b>Total Rabi</b>	<b>1,038,662</b>	<b>828,694</b>	<b>753,221</b>	<b>817,717</b>	<b>681,878</b>	<b>501,168</b>	<b>-26.5</b>
% change		-20.2	-9.1	8.6	-16.6	-26.5	
April	44,195	55,403	103,408	36,807	63,676	34,693	-45.5
May	43,691	135,635	39,170	130,089	69,671	52,452	-24.7
June	142,447	116,870	115,617	54,681	98,184	114,839	17.0
<b>FY Total</b>	<b>1,779,026</b>	<b>1,562,961</b>	<b>1,395,240</b>	<b>1,575,734</b>	<b>1,368,889</b>	<b>819,916</b>	<b>-40.1</b>
% change		-12.1	-10.7	12.9	-13.1	-40.1	

Continued....

**MONTH-WISE AND PROVINCE-WISE COMPARATIVE OFFTAKE OF PRINCIPAL RPDODUCTS  
(UREA &DAP) DURING KHARIF 2022, RABI 2022-23 AND FISCAL YEAR 2022-23 COMPARED  
WITH PREVIOUS SEASONS/YEARS**

(Tonnes)

MONTHS/ SEASONS	Kharif 2017 Rabi 2017-18 FY 2017-18	Kharif 2018 Rabi 2018-19 FY 2018-19	Kharif 2019 Rabi 2019-20 FY 2019-20	Kharif 2020 Rabi 2020-21 FY 2020-21	Kharif 2021 Rabi 2021-22 FY 2021-22	Kharif 2022 Rabi 2022-23 FY 2022-23	Percent change in Kharif 2022, Rabi 2022-23 and Fiscal Year 2022-23 over previous months/seasons/years
<b>SINDH</b>							
<b>UREA</b>							
April	56,349	81,396	64,728	45,048	54,740	103,638	89.3
May	122,735	155,726	148,501	58,607	92,889	114,151	22.9
June	269,302	164,542	178,950	338,954	159,900	189,165	18.3
July	106,516	140,360	117,817	127,098	162,964	91,068	-44.1
August	243,184	91,141	152,391	108,057	164,606	125,041	-24.0
September	49,085	177,817	72,164	62,600	139,749	122,811	-12.1
<b>Total Kharif</b>	<b>847,171</b>	<b>810,982</b>	<b>734,551</b>	<b>740,364</b>	<b>774,847</b>	<b>745,874</b>	<b>-3.7</b>
% change		-4.3	-9.4	0.8	4.7	-3.7	
October	123,954	113,587	29,195	99,330	129,262	97,914	-24.3
November	162,266	112,123	91,727	136,482	140,519	130,522	-7.1
December	154,436	201,360	371,327	239,332	121,224	186,739	54.0
January	144,230	133,447	59,448	170,179	118,937	166,411	39.9
February	74,313	90,702	108,160	60,034	128,565	119,137	-7.3
March	44,557	67,455	45,962	37,558	116,727	114,756	-1.7
<b>Total Rabi</b>	<b>703,756</b>	<b>718,674</b>	<b>705,819</b>	<b>742,915</b>	<b>755,234</b>	<b>815,480</b>	<b>8.0</b>
% change		2.1	-1.8	5.3	2	8	
April	81,396	64,728	45,048	54,740	103,638	110,914	7.0
May	155,726	148,501	58,607	92,889	114,151	109,489	-4.1
June	164,542	178,950	338,954	159,900	189,165	147,247	-22.2
<b>FY Total</b>	<b>1,504,205</b>	<b>1,520,171</b>	<b>1,490,800</b>	<b>1,348,199</b>	<b>1,629,505</b>	<b>1,522,049</b>	<b>-6.6</b>
% change		1.1	-1.9	-9.6	20.9	-6.6	
<b>DAP</b>							
April	23,620	19,967	19,969	39,913	5,869	27,512	368.7
May	15,867	14,897	63,600	16,294	31,990	20,014	-37.4
June	19,990	36,537	29,911	34,958	10,059	38,520	282.9
July	80,013	60,346	32,014	67,085	36,130	14,092	-61.0
August	18,182	22,421	21,864	61,617	31,636	6,909	-78.2
September	46,572	33,093	38,613	48,844	42,767	10,061	-76.5
<b>Total Kharif</b>	<b>204,244</b>	<b>187,261</b>	<b>205,971</b>	<b>268,711</b>	<b>158,451</b>	<b>117,108</b>	<b>-26.1</b>
% change		-8.3	10.0	30.5	-41.0	-26.1	
October	74,414	122,406	47,697	58,449	71,013	13,989	-80.3
November	110,287	57,594	104,065	69,235	35,685	50,304	41.0
December	29,477	39,348	49,736	31,343	24,931	37,185	49.2
January	14,962	21,658	5,480	14,750	28,570	20,118	-29.6
February	20,237	8,493	14,383	14,304	9,966	18,623	86.9
March	29,718	11,223	17,218	36,936	23,782	16,483	-30.7
<b>Total Rabi</b>	<b>279,095</b>	<b>260,722</b>	<b>238,579</b>	<b>225,018</b>	<b>193,948</b>	<b>156,703</b>	<b>-19.2</b>
% change		-6.6	-8.5	-5.7	-13.8	-19.2	
April	19,967	19,969	39,913	5,869	27,512	13,826	-49.7
May	14,897	63,600	16,294	31,990	20,014	9,647	-51.8
June	36,537	29,911	34,958	10,059	38,520	30,976	-19.6
<b>FY Total</b>	<b>495,263</b>	<b>490,062</b>	<b>422,235</b>	<b>450,482</b>	<b>390,527</b>	<b>242,214</b>	<b>-38.0</b>
% change		-1.1	-13.8	6.7	-13.3	-38.0	

Continued....

**MONTH-WISE AND PROVINCE-WISE COMPARATIVE OFFTAKE OF PRINCIPAL RPDODUCTS  
(UREA &DAP) DURING KHARIF 2022, RABI 2022-23 AND FISCAL YEAR 2022-23 COMPARED  
WITH PREVIOUS SEASONS/YEARS**

(Tonnes)

MONTHS/ SEASONS	Kharif 2017 Rabi 2017-18 FY 2017-18	Kharif 2018 Rabi 2018-19 FY 2018-19	Kharif 2019 Rabi 2019-20 FY 2019-20	Kharif 2020 Rabi 2020-21 FY 2020-21	Kharif 2021 Rabi 2021-22 FY 2021-22	Kharif 2022 Rabi 2022-23 FY 2022-23	Percent change in Kharif 2022, Rabi 2022-23 and Fiscal Year 2022-23 over previous months/seasons/years
<b>KP</b>							
<b>UREA</b>							
April	19,853	24,913	19,287	25,861	33,832	19,297	-43.0
May	30,816	20,150	26,307	13,648	21,964	18,545	-15.6
June	40,065	21,161	18,999	35,364	24,651	43,225	75.4
July	16,534	14,222	20,105	27,082	20,334	28,719	41.2
August	19,544	20,989	27,862	31,494	22,434	24,696	10.1
September	4,095	17,548	19,831	22,534	17,657	24,685	39.8
<b>Total Kharif</b>	<b>130,907</b>	<b>118,983</b>	<b>132,391</b>	<b>155,983</b>	<b>140,871</b>	<b>159,168</b>	<b>13.0</b>
% change		-9.1	11.3	17.8	-9.7	13.0	
October	13,750	21,004	6,637	22,418	19,262	24,913	29.3
November	24,674	12,126	21,983	30,196	23,241	38,340	65.0
December	19,234	25,436	44,430	33,291	21,536	42,529	97.5
January	19,901	25,788	19,405	21,822	22,580	23,089	2.3
February	19,717	20,879	25,102	26,587	31,531	13,068	-58.6
March	23,430	27,039	21,501	29,717	24,908	30,545	22.6
<b>Total Rabi</b>	<b>120,706</b>	<b>132,272</b>	<b>139,058</b>	<b>164,030</b>	<b>143,058</b>	<b>172,484</b>	<b>20.6</b>
% change		9.6	5.1	18.0	-12.8	20.6	
April	24,913	19,287	25,861	33,832	19,297	23,786	23.3
May	20,150	26,307	13,648	21,964	18,545	26,745	44.2
June	21,161	18,999	35,364	24,651	43,225	29,137	-32.6
<b>FY Total</b>	<b>227,103</b>	<b>249,624</b>	<b>281,729</b>	<b>325,587</b>	<b>284,549</b>	<b>330,252</b>	<b>16.1</b>
% change		9.9	12.9	15.6	-12.6	16.1	
<b>DAP</b>							
April	4,045	1,694	3,829	4,464	2,042	1,753	-14.2
May	4,619	1,584	6,480	1,860	6,442	2,671	-58.5
June	2,253	6,657	4,435	10,523	2,205	5,366	143.4
July	3,683	10,381	7,513	6,678	3,954	2,167	-45.2
August	2,669	2,012	5,791	12,665	7,229	764	-89.4
September	16,066	9,929	6,795	10,115	6,796	1,651	-75.7
<b>Total Kharif</b>	<b>33,335</b>	<b>32,257</b>	<b>34,843</b>	<b>46,304</b>	<b>28,668</b>	<b>14,372</b>	<b>-49.9</b>
% change		-3.2	8.0	32.9	-38.1	-49.9	
October	15,686	18,744	12,537	9,125	15,507	2,090	-86.5
November	15,840	8,335	10,723	14,595	7,482	7,311	-2.3
December	5,185	3,880	2,387	5,538	2,178	8,557	292.9
January	3,331	3,070	2,645	1,280	2,407	5,282	119.5
February	4,379	3,002	3,884	4,218	1,387	3,937	183.9
March	8,892	1,078	3,677	4,176	2,199	1,508	-31.4
<b>Total Rabi</b>	<b>53,313</b>	<b>38,109</b>	<b>35,853</b>	<b>38,932</b>	<b>31,159</b>	<b>28,685</b>	<b>-7.9</b>
% change		-28.5	-5.9	8.6	-20.0	-7.9	
April	1,694	3,829	4,464	2,042	1,753	1,630	-7.1
May	1,584	6,480	1,860	6,442	2,671	2,573	-3.7
June	6,657	4,435	10,523	2,205	5,366	5,205	-3.0
<b>FY Total</b>	<b>85,666</b>	<b>75,175</b>	<b>72,799</b>	<b>79,078</b>	<b>58,927</b>	<b>42,675</b>	<b>-27.6</b>
% change		-12.2	-3.2	8.6	-25.5	-27.6	

Continued....

**MONTH-WISE AND PROVINCE-WISE COMPARATIVE OFFTAKE OF PRINCIPAL RPDODUCTS  
(UREA &DAP) DURING KHARIF 2022, RABI 2022-23 AND FISCAL YEAR 2022-23 COMPARED  
WITH PREVIOUS SEASONS/YEARS**

(Tonnes)

MONTHS/ SEASONS	Kharif 2017 Rabi 2017-18 FY 2017-18	Kharif 2018 Rabi 2018-19 FY 2018-19	Kharif 2019 Rabi 2019-20 FY 2019-20	Kharif 2020 Rabi 2020-21 FY 2020-21	Kharif 2021 Rabi 2021-22 FY 2021-22	Kharif 2022 Rabi 2022-23 FY 2022-23	Percent change in Kharif 2022, Rabi 2022-23 and Fiscal Year 2022-23 over previous months/seasons/years
<b>BALUCHISTAN</b>							
<b>UREA</b>							
April	7,585	10,933	10,430	11,919	14,535	15,730	8.2
May	11,096	16,887	17,781	8,609	30,674	9,587	-68.7
June	20,972	18,589	20,895	51,835	32,756	15,591	-52.4
July	13,025	13,535	18,064	30,725	39,900	20,801	-47.9
August	23,177	10,520	16,960	35,897	38,902	16,303	-58.1
September	6,772	15,540	13,465	9,655	20,627	7,500	-63.6
<b>Total Kharif</b>	<b>82,627</b>	<b>86,004</b>	<b>97,595</b>	<b>148,640</b>	<b>177,395</b>	<b>85,512</b>	<b>-51.8</b>
% change		4.1	13.5	52.3	19	-51.8	
October	12837	12383	11394	7,575	9,483	23,493	147.7
November	20,230	14,880	14,728	16,573	12,494	19,036	52.4
December	17,575	20,500	53,681	22,811	12,741	28,914	126.9
January	17,771	11,250	15,942	23,600	11,370	14,545	27.9
February	13,859	16,183	24,195	16,132	12,941	15,532	20.0
March	13,510	15,706	10,283	17,359	12,656	16,261	28.5
<b>Total Rabi</b>	<b>95,782</b>	<b>90,902</b>	<b>130,223</b>	<b>104,050</b>	<b>71,685</b>	<b>117,781</b>	<b>64.3</b>
% change		-5.1	43.3	-20.1	-31.1	64.3	
April	10,933	10,430	11,919	14,535	15,730	8,606	-45.3
May	16,887	17,781	8,609	30,674	9,587	5,127	-46.5
June	18,589	20,895	51,835	32,756	15,591	16,564	6.2
<b>FY Total</b>	<b>185,165</b>	<b>179,603</b>	<b>251,075</b>	<b>258,292</b>	<b>212,022</b>	<b>192,682</b>	<b>-9.1</b>
% change		-3.0	39.8	2.9	-17.9	-9.1	
<b>DAP</b>							
April	3,793	2,943	6,967	2,935	1,450	2,289	57.9
May	3,346	2,340	7,304	3,533	4,712	2,028	-57.0
June	3,382	4,257	6,527	14,851	1,235	3,429	177.8
July	21356	8,488	5,343	13,532	5,133	2,046	-60.1
August	4368	2,541	6,536	9,673	5,641	816	-85.5
September	11,568	4,232	8,906	7,816	6,317	486	-92.3
<b>Total Kharif</b>	<b>47,813</b>	<b>24,801</b>	<b>41,583</b>	<b>52,339</b>	<b>24,488</b>	<b>11,094</b>	<b>-54.7</b>
% change		-48.1	67.7	25.9	-53.2	-54.7	
October	10,496	9,330	13764	9,951	10,613	4,182	-60.6
November	11,758	9,084	17,985	5,325	4,506	8,535	89.4
December	4,706	10,128	11,934	5,983	1,086	4,790	341.1
January	1,422	2,620	3,560	1,824	1,282	2,628	105.0
February	1,626	2,737	2,157	1,424	1,021	2,292	124.6
March	3,080	2,086	1,900	2,204	1,035	1,090	5.3
<b>Total Rabi</b>	<b>33,088</b>	<b>35,985</b>	<b>51,300</b>	<b>26,712</b>	<b>19,543</b>	<b>23,516</b>	<b>20.3</b>
% change		8.8	42.6	-47.9	-26.8	20.3	
April	2,943	6,967	2,935	1,450	2,289	616	-73.1
May	2,340	7,304	3,533	4,712	2,028	1,278	-37.0
June	4,257	6,527	14,851	1,235	3,429	7,108	107.3
<b>FY Total</b>	<b>79,920</b>	<b>72,044</b>	<b>93,404</b>	<b>65,128</b>	<b>44,380</b>	<b>35,866</b>	<b>-19.2</b>
% change		-9.9	29.6	-30.3	-31.9	-19.2	

## PROVINCE WISE AND MONTH WISE FERTILIZER OFFTAKE DURING KHARIF 2022, RABI 2022-23 AND FISCAL YEAR 2022-23

(Tonnes)

Month/ Season	UREA	DAP	NP	CAN	SSP	TSP	SOP	MAP	MOP	AS	NPK's	TOTAL
<b>PUNJAB</b>												
<b>Kharif 2022</b>												
April	320,288	63,676	37,398	34,318	3,618	-	748	281	1,737	576	2,257	464,897
May	275,238	69,671	50,490	23,740	5,194	-	874	1,690	1,592	1,745	3,399	433,633
June	488,989	98,184	39,643	58,247	5,006	-	1,208	256	779	2,757	3,626	698,695
July	322,220	48,813	45,726	58,704	3,884	-	121	85	52	463	2,539	482,605
Aug	386,309	17,516	15,156	62,161	2,154	-	520	71	-	231	1,704	485,822
Sep	352,925	50,436	22,227	33,204	6,172	-	1,962	146	1,288	445	2,045	470,850
<b>Total</b>	<b>2,145,969</b>	<b>348,295</b>	<b>210,639</b>	<b>270,374</b>	<b>26,027</b>	<b>-</b>	<b>5,434</b>	<b>2,529</b>	<b>5,448</b>	<b>6,216</b>	<b>15,570</b>	<b>3,036,501</b>
<b>Rabi 2022-23</b>												
Oct	283,323	51,197	22,682	33,714	5,585	-	1,686	219	235	578	2,218	401,436
Nov	395,168	170,254	59,143	58,246	5,928	-	838	504	28	676	258	691,042
Dec	575,023	106,987	112,998	104,908	5,630	-	507	98	178	489	41	906,857
Jan	427,231	67,818	42,613	48,562	3,444	-	6,959	261	1,891	945	2,311	602,034
Feb	355,023	72,755	57,057	28,535	3,778	-	6,464	60	331	2,058	4,945	531,006
Mar	327,670	32,157	23,932	36,069	890	300	3,356	54	672	884	2,654	428,636
<b>Total</b>	<b>2,363,437</b>	<b>501,168</b>	<b>318,424</b>	<b>310,034</b>	<b>25,253</b>	<b>300</b>	<b>19,811</b>	<b>1,195</b>	<b>3,334</b>	<b>5,629</b>	<b>12,426</b>	<b>3,561,012</b>
April	264,993	34,693	36,537	47,923	1,225	-	1,979	-	452	1,381	597	389,779
May	317,725	52,452	64,602	57,114	5,750	-	2,411	245	103	1,586	62	502,049
Jun	417,401	114,839	104,648	51,621	7,699	-	1,157	51	9	716	446	698,586
<b>Fiscal Year 2022-23</b>	<b>4,425,010</b>	<b>819,916</b>	<b>607,319</b>	<b>620,761</b>	<b>52,136</b>	<b>300</b>	<b>27,962</b>	<b>1,793</b>	<b>5,237</b>	<b>10,452</b>	<b>19,817</b>	<b>6,590,703</b>

Continued....

## PROVINCE WISE AND MONTH WISE FERTILIZER OFFTAKE DURING KHARIF 2022, RABI 2022-23 AND FISCAL YEAR 2022-23

(Tonnes)

Month/ Season	UREA	DAP	NP	CAN	SSP	TSP	SOP	MAP	MOP	AS	NPK's	TOTAL
<b>SINDH</b>												
<b>Kharif 2022</b>												
April	103,638	27,512	25,051	23,084	195	-	124	174	961	139	1,074	181,953
May	114,151	20,014	14,282	27,651	395	-	154	483	481	782	740	179,132
June	189,165	38,520	8,405	18,907	796	-	122	124	1,527	470	1,158	259,194
July	91,068	14,092	15,566	17,751	1,015	-	50	104	1,196	115	993	141,950
Aug	125,041	6,909	1,991	14,483	236	-	22	49	7	32	481	149,249
Sep	122,811	10,061	7,949	8,115	30	-	42	7	-	64	438	149,517
<b>Total</b>	<b>745,874</b>	<b>117,108</b>	<b>73,244</b>	<b>109,991</b>	<b>2,667</b>	<b>-</b>	<b>513</b>	<b>941</b>	<b>4,172</b>	<b>1,601</b>	<b>4,885</b>	<b>1,060,995</b>
<b>Rabi 2022-23</b>												
Oct	97,914	13,989	5,996	22,983	322	-	20	42	-	180	671	142,118
Nov	130,522	50,304	23,566	15,024	100	-	17	73	-	70	388	220,064
Dec	186,739	37,185	21,217	38,400	60	-	30	13	10	100	116	283,870
Jan	166,411	20,118	15,054	18,047	124	-	1,068	251	13	133	814	222,032
Feb	119,137	18,623	27,136	12,729	50	-	910	39	400	282	2,286	181,593
Mar	114,756	16,483	9,990	19,537	20	-	763	44	2,100	194	1,569	165,456
<b>Total</b>	<b>815,480</b>	<b>156,703</b>	<b>102,961</b>	<b>126,719</b>	<b>676</b>	<b>-</b>	<b>2,809</b>	<b>462</b>	<b>2,523</b>	<b>959</b>	<b>5,842</b>	<b>1,215,132</b>
April	110,914	13,826	9,683	14,025	10	-	106	-	438	158	1,307	150,467
May	109,489	9,647	12,640	19,677	61	-	144	15	450	104	402	152,629
Jun	147,247	30,976	20,006	19,344	1,243	-	111	-	-	372	287	219,585
<b>Fiscal Year 2022-23</b>	<b>1,522,049</b>	<b>242,214</b>	<b>170,795</b>	<b>220,114</b>	<b>3,270</b>	<b>-</b>	<b>3,284</b>	<b>637</b>	<b>4,614</b>	<b>1,803</b>	<b>9,751</b>	<b>2,178,530</b>

Continued....

## PROVINCE WISE AND MONTH WISE FERTILIZER OFFTAKE DURING KHARIF 2022, RABI 2022-23 AND FISCAL YEAR 2022-23

(Tonnes)

Month/ Season	UREA	DAP	NP	CAN	SSP	TSP	SOP	MAP	MOP	AS	NPK's	TOTAL
<b>KP</b>												
<b>Kharif 2022</b>												
April	19,297	1,753	2,221	-	465	-	1	-	-	145	213	24,095
May	18,545	2,671	1,707	-	840	-	-	-	60	179	48	24,050
June	43,225	5,366	2,085	-	1,430	-	-	-	-	53	220	52,379
July	28,719	2,167	3,318	-	510	-	-	-	-	66	221	35,001
Aug	24,696	764	361	-	610	-	-	-	-	361	136	26,928
Sep	24,685	1,651	1,346	-	800	-	-	-	-	140	265	28,888
<b>Total</b>	<b>159,168</b>	<b>14,372</b>	<b>11,039</b>	<b>-</b>	<b>4,655</b>	<b>-</b>	<b>1</b>	<b>-</b>	<b>60</b>	<b>943</b>	<b>1,103</b>	<b>191,341</b>
<b>Rabi 2022-23</b>												
Oct	24,913	2,090	2,859	-	940	-	1	-	-	233	60	31,097
Nov	38,340	7,311	4,803	-	2,140	-	1	-	-	53	-	52,648
Dec	42,529	8,557	6,094	-	1,645	-	1	-	8	162	-	58,996
Jan	23,089	5,282	2,051	-	530	-	365	-	7	84	441	31,849
Feb	13,068	3,937	5,401	-	985	-	739	-	30	130	2,962	27,252
Mar	30,545	1,508	1,475	-	150	-	5	-	4	192	329	34,206
<b>Total</b>	<b>172,484</b>	<b>28,685</b>	<b>22,683</b>	<b>-</b>	<b>6,390</b>	<b>-</b>	<b>1,112</b>	<b>-</b>	<b>49</b>	<b>854</b>	<b>3,792</b>	<b>236,049</b>
April	23,786	1,630	1,234	-	140	-	8	-	-	617	12	27,425
May	26,745	2,573	3,338	-	150	-	-	-	1	304	-	33,110
Jun	29,137	5,205	3,599	-	730	-	16	-	-	155	26	38,867
<b>Fiscal Year 2022-23</b>	<b>330,252</b>	<b>42,675</b>	<b>35,878</b>	<b>-</b>	<b>9,330</b>	<b>-</b>	<b>1,136</b>	<b>-</b>	<b>50</b>	<b>2,496</b>	<b>4,452</b>	<b>426,268</b>

Continued....

## PROVINCE WISE AND MONTH WISE FERTILIZER OFFTAKE DURING KHARIF 2022, RABI 2022-23 AND FISCAL YEAR 2022-23

(Tonnes)

Month/ Season	UREA	DAP	NP	CAN	SSP	TSP	SOP	MAP	MOP	AS	NPK's	TOTAL
<b>BALUCHISTAN</b>												
<b>Kharif 2022</b>												
April	15,730	2,289	7,262	-	-	-	-	10	5	-	155	25,451
May	9,587	2,028	2,608	-	-	-	116	30	59	16	326	14,770
June	15,591	3,429	6,161	-	-	-	-	-	-	12	194	25,387
July	20,801	2,046	5,599	-	-	-	11	-	-	-	138	28,595
Aug	16,303	816	440	-	-	-	-	-	-	-	79	17,638
Sep	7,500	486	1,166	-	-	-	5	-	-	30	214	9,401
<b>Total</b>	<b>85,512</b>	<b>11,094</b>	<b>23,236</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>132</b>	<b>40</b>	<b>64</b>	<b>58</b>	<b>1,106</b>	<b>121,242</b>
<b>Rabi 2022-23</b>												
Oct	23,493	4,182	6,925	-	-	-	1	-	-	4	313	34,918
Nov	19,036	8,535	3,212	-	-	-	-	-	-	-	54	30,837
Dec	28,914	4,790	4,232	-	-	-	6	-	13	-	-	37,955
Jan	14,545	2,628	4,367	-	-	-	40	-	-	35	74	21,689
Feb	15,532	2,292	5,824	-	-	-	19	17	13	-	675	24,373
Mar	16,261	1,090	1,559	-	-	-	7	-	-	25	123	19,065
<b>Total</b>	<b>117,781</b>	<b>23,516</b>	<b>26,119</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>73</b>	<b>17</b>	<b>26</b>	<b>64</b>	<b>1,239</b>	<b>168,836</b>
April	8,606	616	957	-	-	-	33	-	5	-	99	10,315
May	5,127	1,278	2,274	-	-	-	54	-	8	13	108	8,861
Jun	16,564	7,108	5,232	-	-	-	45	-	-	-	21	28,969
<b>Fiscal Year 2022-23</b>	<b>192,682</b>	<b>35,866</b>	<b>41,786</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>221</b>	<b>17</b>	<b>39</b>	<b>107</b>	<b>1,897</b>	<b>272,615</b>
<b>PAKISTAN</b>												
Kharif 2022	3,136,522	490,869	318,157	380,365	33,349	-	6,081	3,510	9,744	8,819	22,665	4,410,079
Rabi 2022-23	3,469,182	710,073	470,187	436,753	32,319	300	23,805	1,674	5,932	7,506	23,299	5,181,029
Fiscal Year 2022-23	6,469,992	1,140,670	855,778	840,875	64,737	300	32,603	2,447	9,940	14,856	35,917	9,468,116

## MONTH-WISE NUTRIENT SUPPLY / DEMAND SITUATION FROM APRIL 2022 TO JUNE 2023

	(Tonnes)			
DESCRIPTION	NITROGEN	PHOSPHATE	POTASH	TOTAL
<b>APRIL 2022</b>				
Opening Balance	217,264	196,380	16,012	429,656
Domestic production	316,885	53,384	2,233	372,503
Imports	11,122	27,635	1,581	40,337
<b>Total Availability</b>	<b>545,272</b>	<b>277,399</b>	<b>19,826</b>	<b>842,496</b>
Offtake	259,674	59,952	2,686	322,312
Export	-	-	-	-
Adjustments (+)	23,215	9,419	989	33,622
Adjustments (-)	20,268	131	5	20,403
<b>National Inventory</b>	<b>288,545</b>	<b>226,734</b>	<b>18,124</b>	<b>533,403</b>
<b>MAY 2022</b>				
Opening Balance	288,545	226,734	18,124	533,403
Domestic production	309,086	54,296	1,822	365,204
Imports	8,017	20,229	1,200	29,446
<b>Total Availability</b>	<b>605,648</b>	<b>301,259</b>	<b>21,146</b>	<b>928,053</b>
Offtake	238,895	60,490	2,721	302,106
Export	-	-	-	-
Adjustments (+)	17,113	4,672	1	21,785
Adjustments (-)	14,768	2,361	810	17,939
<b>National Inventory</b>	<b>369,097</b>	<b>243,080</b>	<b>17,616</b>	<b>629,793</b>
<b>JUNE 2022</b>				
Opening Balance	369,097	243,080	17,616	629,793
Domestic production	292,688	51,665	1,836	346,189
Imports	4,345	10,599	1,126	16,071
<b>Total Availability</b>	<b>666,131</b>	<b>305,345</b>	<b>20,577</b>	<b>992,053</b>
Offtake	398,933	80,724	3,024	482,682
Export	-	-	-	-
Adjustments (+)	21,078	10,331	2,592	34,002
Adjustments (-)	20,298	2,597	271	23,166
<b>National Inventory</b>	<b>267,977</b>	<b>232,355</b>	<b>19,874</b>	<b>520,207</b>

Continued....

## MONTH-WISE NUTRIENT SUPPLY / DEMAND SITUATION FROM APRIL 2022 TO JUNE 2023

	(Tonnes)			
DESCRIPTION	NITROGEN	PHOSPHATE	POTASH	TOTAL
<b>JULY 2022</b>				
Opening Balance	267,977	232,355	19,874	520,207
Domestic production	239,947	52,553	1,955	294,455
Imports	6,057	14,993	949	21,999
<b>Total Availability</b>	<b>513,982</b>	<b>299,901</b>	<b>22,778</b>	<b>836,661</b>
Offtake	261,614	46,714	1,477	309,805
Export	-	-	-	-
Adjustments (+)	20,492	1,666	480	22,638
Adjustments (-)	21,166	3,269	5,612	30,048
<b>National Inventory</b>	<b>251,694</b>	<b>251,584</b>	<b>16,169</b>	<b>519,446</b>
<b>AUGUST 2022</b>				
Opening Balance	251,694	251,584	16,169	519,446
Domestic production	299,394	53,226	2,272	354,893
Imports	84	187	287	557
<b>Total Availability</b>	<b>551,171</b>	<b>304,998</b>	<b>18,727</b>	<b>874,896</b>
Offtake	283,208	17,173	691	301,073
Export	-	-	-	-
Adjustments (+)	20,697	913	160	21,771
Adjustments (-)	20,018	647	-	20,665
<b>National Inventory</b>	<b>268,643</b>	<b>288,091</b>	<b>18,197</b>	<b>574,929</b>
<b>SEPTEMBER 2022</b>				
Opening Balance	268,643	288,091	18,197	574,929
Domestic production	293,176	52,314	1,246	346,735
Imports	51,765	11,659	1,399	64,823
<b>Total Availability</b>	<b>613,583</b>	<b>352,064</b>	<b>20,841</b>	<b>986,489</b>
Offtake	263,655	38,269	2,331	304,255
Export	-	-	-	-
Adjustments (+)	19,266	1,371	617	21,254
Adjustments (-)	31,115	1,283	117	32,515
<b>National Inventory</b>	<b>338,079</b>	<b>313,884</b>	<b>19,009</b>	<b>670,973</b>

Continued....

## MONTH-WISE NUTRIENT SUPPLY / DEMAND SITUATION FROM APRIL 2022 TO JUNE 2023

	(Tonnes)			
DESCRIPTION	NITROGEN	PHOSPHATE	POTASH	TOTAL
<b>OCTOBER 2022</b>				
Opening Balance	338,079	313,884	19,009	670,973
Domestic production	268,588	57,627	1,442	327,657
Imports	52,174	12,800	4,495	69,469
<b>Total Availability</b>	<b>658,841</b>	<b>384,311</b>	<b>24,946</b>	<b>1,068,098</b>
Offtake	234,679	43,721	1,610	280,010
Export	-	-	-	-
Adjustments (+)	27,386	1,172	2,718	31,276
Adjustments (-)	20,707	872	-	21,579
<b>National Inventory</b>	<b>430,841</b>	<b>340,890</b>	<b>26,054</b>	<b>797,786</b>
<b>NOVEMBER 2022</b>				
Opening Balance	430,841	340,890	26,054	797,786
Domestic production	254,506	50,248	15	304,769
Imports	43,252	109,964	-	153,217
<b>Total Availability</b>	<b>728,598</b>	<b>501,102</b>	<b>26,069</b>	<b>1,255,771</b>
Offtake	350,991	131,502	581	483,074
Export	-	-	-	-
Adjustments (+)	20,398	4,891	-	25,289
Adjustments (-)	20,199	5,160	119	25,477
<b>National Inventory</b>	<b>377,807</b>	<b>369,331</b>	<b>25,369</b>	<b>772,510</b>
<b>DECEMBER 2022</b>				
Opening Balance	377,807	369,331	25,369	772,510
Domestic production	307,190	32,976	-	340,166
Imports	89,612	9	225	89,846
<b>Total Availability</b>	<b>774,609</b>	<b>402,317</b>	<b>25,594</b>	<b>1,202,520</b>
Offtake	482,319	107,113	427	589,858
Export	-	-	-	-
Adjustments (+)	22,104	1,864	2,080	26,048
Adjustments (-)	22,210	1,476	-	23,686
<b>National Inventory</b>	<b>292,185</b>	<b>295,592</b>	<b>27,247</b>	<b>615,023</b>

Continued....

## MONTH-WISE NUTRIENT SUPPLY / DEMAND SITUATION FROM APRIL 2022 TO JUNE 2023

	(Tonnes)			
DESCRIPTION	NITROGEN	PHOSPHATE	POTASH	TOTAL
<b>JANUARY 2023</b>				
Opening Balance	292,185	295,592	27,247	615,023
Domestic production	251,721	15,576	537	267,834
Imports	1,476	3,503	1	4,980
<b>Total Availability</b>	<b>545,381</b>	<b>314,671</b>	<b>27,785</b>	<b>887,837</b>
Offtake	340,418	60,471	6,067	406,956
Export	-	-	-	-
Adjustments (+)	2,758	1,151	331	4,239
Adjustments (-)	853	1,261	3	2,117
<b>National Inventory</b>	<b>206,867</b>	<b>254,090</b>	<b>22,046</b>	<b>483,003</b>
<b>FEBRUARY 2023</b>				
Opening Balance	206,867	254,090	22,046	483,003
Domestic production	229,231	14,105	397	243,733
Imports	213	-	-	213
<b>Total Availability</b>	<b>436,311</b>	<b>268,195</b>	<b>22,443</b>	<b>726,949</b>
Offtake	283,160	69,814	6,472	359,446
Export	-	-	-	-
Adjustments (+)	849	1,297	42	2,187
Adjustments (-)	523	1,337	0	1,860
<b>National Inventory</b>	<b>153,476</b>	<b>198,341</b>	<b>16,013</b>	<b>367,830</b>
<b>MARCH 2023</b>				
Opening Balance	153,476	198,341	16,013	367,830
Domestic production	262,673	29,167	1,308	293,148
Imports	5,396	12,834	-	18,230
<b>Total Availability</b>	<b>421,545</b>	<b>240,341</b>	<b>17,321</b>	<b>679,208</b>
Offtake	260,271	35,626	4,608	300,505
Export	-	-	-	-
Adjustments (+)	1,322	80	90	1,493
Adjustments (-)	423	1,067	1	1,491
<b>National Inventory</b>	<b>162,173</b>	<b>203,728</b>	<b>12,803</b>	<b>378,705</b>

Continued....

## MONTH-WISE NUTRIENT SUPPLY / DEMAND SITUATION FROM APRIL 2022 TO JUNE 2023

	(Tonnes)			
DESCRIPTION	NITROGEN	PHOSPHATE	POTASH	TOTAL
<b>APRIL 2023</b>				
Opening Balance	162,173	203,728	12,803	378,705
Domestic production	312,089	42,370	1,450	355,909
Imports	639	-	676	1,316
<b>Total Availability</b>	<b>474,902</b>	<b>246,098</b>	<b>14,929</b>	<b>735,929</b>
Offtake	224,419	33,659	1,931	260,008
Export	-	-	-	-
Adjustments (+)	827	1,275	1	2,102
Adjustments (-)	208	312	331	851
<b>National Inventory</b>	<b>251,101</b>	<b>213,403</b>	<b>12,669</b>	<b>477,173</b>
<b>MAY 2023</b>				
Opening Balance	251,101	213,403	12,669	477,173
Domestic production	272,965	48,763	1,415	323,143
Imports	6,415	15,999	-	22,413
<b>Total Availability</b>	<b>530,481</b>	<b>278,165</b>	<b>14,083</b>	<b>822,729</b>
Offtake	261,756	48,229	1,749	311,733
Export	-	-	-	-
Adjustments (+)	4,618	4,640	1	9,259
Adjustments (-)	401	62	247	709
<b>National Inventory</b>	<b>272,943</b>	<b>234,514</b>	<b>12,089</b>	<b>519,546</b>
<b>JUNE 2023</b>				
Opening Balance	272,943	234,514	12,089	519,546
Domestic production	295,408	38,582	789	334,779
Imports	9,131	22,788	252	32,171
<b>Total Availability</b>	<b>577,482</b>	<b>295,885</b>	<b>13,129</b>	<b>886,496</b>
Offtake	357,390	101,359	816	459,566
Export	-	-	-	-
Adjustments (+)	980	2,155	110	3,245
Adjustments (-)	771	1,961	22	2,754
<b>National Inventory</b>	<b>220,301</b>	<b>194,720</b>	<b>12,402</b>	<b>427,422</b>

## NUTRIENT WISE SUPPLY DEMAND SITUATION DURING FISCAL YEAR 2022-23

(Tonnes)				
DESCRIPTION	NITROGEN	PHOSPHATE	POTASH	TOTAL
Opening Balance	267,977	232,355	19,874	520,207
Domestic Production	3,286,887	487,507	12,826	3,787,220
Imports	266,214	204,737	8,284	479,234
<b>Total Availability</b>	<b>3,821,079</b>	<b>924,598</b>	<b>40,984</b>	<b>4,786,661</b>
Offtake	3,603,881	733,649	28,761	4,366,290
Export	-	-	-	-
Adjustments(+/-)	3103	3770	179	7052
<b>Closing Balance</b>	<b>220,301</b>	<b>194,720</b>	<b>12,402</b>	<b>427,422</b>

## TOTAL PRODUCT-WISE SUPPLY/DEMAND SITUATION DURING APRIL 2022 TO JUNE 2023

(Tonnes)

Product	UREA	CAN	NP	SSP	DAP	TSP	SOP	NPK's	MOP	MAP	AS	TOTAL
<b>APRIL 2022</b>												
Opening Balance	199,979	5,175	340,323	10,310	276,388	0	11,190	7,773	14,780	4,994	9,219	880,131
Domestic Production	578,631	71,880	80,188	7,164	74,809	-	1,735	7,989	-	-	-	822,396
Import	-	-	-	-	60,075	-	3,161	-	-	-	1,470	64,706
<b>Total Availability</b>	<b>778,610</b>	<b>77,055</b>	<b>420,511</b>	<b>17,473</b>	<b>411,272</b>	<b>-</b>	<b>16,086</b>	<b>15,762</b>	<b>14,780</b>	<b>4,994</b>	<b>10,689</b>	<b>1,767,233</b>
Offtake	458,952	57,402	71,933	4,278	95,231	-	873	3,700	2,703	465	860	696,396
Export	-	-	-	-	-	-	-	-	-	-	-	0
Adjustment (+)	42,386	123	-	-	20,446	-	502	91	1,200	-	-	64,748
Adjustment (-)	43,949	1	-	-	285	-	9	-	-	-	-	44,244
<b>Closing Balance</b>	<b>318,095</b>	<b>19,775</b>	<b>348,578</b>	<b>13,195</b>	<b>336,202</b>	<b>-</b>	<b>15,706</b>	<b>12,153</b>	<b>13,278</b>	<b>4,529</b>	<b>9,829</b>	<b>1,091,341</b>
<b>MAY 2022</b>												
Opening balance	318,095	19,775	348,578	13,195	336,202	-	15,706	12,153	13,278	4,529	9,829	1,091,341
Domestic Production	562,863	69,861	78,323	7,980	79,030	-	1,774	4,822	-	-	-	804,652
Import	-	-	-	-	43,976	-	2,400	-	-	-	482	46,858
<b>Total Availability</b>	<b>880,958</b>	<b>89,636</b>	<b>426,901</b>	<b>21,175</b>	<b>459,208</b>	<b>-</b>	<b>19,879</b>	<b>16,975</b>	<b>13,278</b>	<b>4,529</b>	<b>10,312</b>	<b>1,942,852</b>
Offtake	417,521	51,391	69,086	6,429	94,383	-	1,144	4,514	2,192	2,202	2,722	651,584
Export	-	-	-	-	-	-	-	-	-	-	-	0
Adjustment (+)	33,226	1	1	-	10,156	-	1	1	-	-	-	43,386
Adjustment (-)	30,096	-	-	-	5,133	-	-	-	1,350	-	-	36,579
<b>Closing balance</b>	<b>466,567</b>	<b>38,246</b>	<b>357,816</b>	<b>14,746</b>	<b>369,848</b>	<b>-</b>	<b>18,736</b>	<b>12,462</b>	<b>9,736</b>	<b>2,327</b>	<b>7,590</b>	<b>1,298,075</b>
<b>JUNE 2022</b>												
Opening Balance	466,567	38,246	357,816	14,746	369,848	-	18,736	12,462	9,736	2,327	7,590	1,298,075
Domestic Production	531,292	68,648	77,092	9,136	72,473	-	1,691	5,500	-	-	-	765,832
Import	-	-	-	-	23,042	-	2,252	-	-	-	942	26,236
<b>Total Availability</b>	<b>997,859</b>	<b>106,894</b>	<b>434,908</b>	<b>23,882</b>	<b>465,363</b>	<b>-</b>	<b>22,680</b>	<b>17,962</b>	<b>9,736</b>	<b>2,327</b>	<b>8,532</b>	<b>2,090,143</b>
Offtake	736,970	77,154	56,294	7,232	145,500	-	1,330	5,197	2,306	380	3,291	1,035,654
Export	-	-	-	-	-	-	-	-	-	-	-	-
Adjustment (+)	37,033	-	-	1	22,459	-	3	-	4,318	-	-	63,814
Adjustment (-)	41,884	-	2	-	4,895	-	2	1,514	-	-	-	48,297
<b>Closing Balance</b>	<b>256,038</b>	<b>29,740</b>	<b>378,613</b>	<b>16,651</b>	<b>337,427</b>	<b>-</b>	<b>21,350</b>	<b>11,251</b>	<b>11,748</b>	<b>1,947</b>	<b>5,240</b>	<b>1,070,006</b>

Continued....

## TOTAL PRODUCT-WISE SUPPLY/DEMAND SITUATION DURING APRIL 2022 TO JUNE 2023

Description	(Tonnes)											
	UREA	CAN	NP	SSP	DAP	TSP	SOP	NPK's	MOP	MAP	AS	TOTAL
<b>JULY, 2022</b>												
Opening Balance	256,038	29,740	378,613	16,651	337,427	-	21,350	11,251	11,748	1,947	5,240	1,070,006
Domestic production	412,027	74,330	72,703	5,210	75,800	0	0	12,022	0	0	0	652,092
Imports	0	0	0	0	32,593	0	1,898	0	0	0	908	35,400
<b>Total Availability</b>	<b>668,065</b>	<b>104,070</b>	<b>451,316</b>	<b>21,861</b>	<b>445,820</b>	<b>0</b>	<b>23,249</b>	<b>23,273</b>	<b>11,748</b>	<b>1,947</b>	<b>6,148</b>	<b>1,757,497</b>
Offtake	462,808	76,455	70,210	5,408	67,117	0	182	3,890	1,248	189	644	688,151
Export	-	-	-	-	-	-	-	-	-	-	-	0
Adjustments (+)	42,357	0	1,526	0	1,529	0	1	2,662	0	0	550	48,625
Adjustments (-)	43,114	0	1	1	6,609	0	6,240	1,082	3,793	129	0	60,969
<b>National Inventory</b>	<b>204,500</b>	<b>27,615</b>	<b>382,631</b>	<b>16,451</b>	<b>373,623</b>	<b>0</b>	<b>16,828</b>	<b>20,963</b>	<b>6,707</b>	<b>1,629</b>	<b>6,054</b>	<b>1,057,001</b>
<b>AUGUST 2022</b>												
Opening Balance	204,500	27,615	382,631	16,451	373,623	0	16,828	20,963	6,707	1,629	6,054	1,057,001
Domestic production	540,847	75,920	70,891	4,182	77,174	0	3,207	4,458	0	0	0	776,679
Imports	0	0	0	0	407	0	573	0	0	0	49	1,029
<b>Total Availability</b>	<b>745,347</b>	<b>103,535</b>	<b>453,522</b>	<b>20,633</b>	<b>451,204</b>	<b>0</b>	<b>20,608</b>	<b>25,421</b>	<b>6,707</b>	<b>1,629</b>	<b>6,103</b>	<b>1,834,710</b>
Offtake	552,349	76,644	17,947	3,000	26,005	0	542	2,400	7	120	623	679,636
Export	-	-	-	-	-	-	-	-	-	-	-	0
Adjustment (+)	44,124	0	1	0	1,758	0	41	696	1	0	0	46,621
Adjustment (-)	42,632	0	1,104	0	853	0	0	0	0	1	0	44,590
<b>National Inventory</b>	<b>194,490</b>	<b>26,892</b>	<b>434,472</b>	<b>17,634</b>	<b>426,103</b>	<b>0</b>	<b>20,107</b>	<b>23,717</b>	<b>6,701</b>	<b>1,508</b>	<b>5,480</b>	<b>1,157,104</b>
<b>SEPTEMBER, 2022</b>												
Opening Balance	194,490	26,892	434,472	17,634	426,103	0	20,107	23,717	6,701	1,508	5,480	1,157,104
Domestic production	530,961	69,085	77,365	5,104	71,597	0	1,447	2,900	0	0	0	758,459
Imports	102,614	0	0	0	25,346	0	2,798	0	0	0	0	130,758
<b>Total Availability</b>	<b>828,065</b>	<b>95,977</b>	<b>511,837</b>	<b>22,738</b>	<b>523,046</b>	<b>0</b>	<b>24,352</b>	<b>26,617</b>	<b>6,701</b>	<b>1,508</b>	<b>5,480</b>	<b>2,046,321</b>
Offtake	507,922	41,319	32,688	7,002	62,634	0	2,008	2,963	1,288	153	678	658,655
Export	-	-	-	-	-	-	-	-	-	-	-	0
Adjustments (+)	40,380	0	1,105	0	2,429	0	0	0	1,028	0	0	44,942
Adjustments (-)	66,535	0	0	0	2,464	0	0	650	1	0	0	69,650
<b>National Inventory</b>	<b>293,988</b>	<b>54,658</b>	<b>480,254</b>	<b>15,735</b>	<b>460,378</b>	<b>0</b>	<b>22,344</b>	<b>23,004</b>	<b>6,440</b>	<b>1,355</b>	<b>4,802</b>	<b>1,362,959</b>

Continued....

## TOTAL PRODUCT-WISE SUPPLY/DEMAND SITUATION DURING APRIL 2022 TO JUNE 2023

(Tonnes)

Description	UREA	CAN	NP	SSP	DAP	TSP	SOP	NPK's	MOP	MAP	AS	TOTAL
<b>OCTOBER, 2022</b>												
Opening Balance	293,988	54,658	480,254	15,735	460,378	0	22,344	23,004	6,440	1,355	4,802	1,362,959
Domestic production	468,026	74,990	84,967	9,826	76,672	0	1,247	4,550	0	0	0	720,278
Imports	102,157	0	0	0	27,500	0	8,990	0	0	300	960	139,907
<b>Total Availability</b>	<b>864,171</b>	<b>129,648</b>	<b>565,221</b>	<b>25,561</b>	<b>564,550</b>	<b>0</b>	<b>32,581</b>	<b>27,554</b>	<b>6,440</b>	<b>1,655</b>	<b>5,763</b>	<b>2,223,143</b>
Offtake	429,643	56,698	38,463	6,847	71,460	0	1,708	3,261	235	261	996	609,572
Export	-	-	-	-	-	-	-	-	-	-	-	-
Adjustments (+)	58,489	0	0	0	1,771	0	1	1,598	4,045	1	1	65,906
Adjustments (-)	44,272	2	0	0	1,896	0	0	0	0	0	0	46,170
<b>National Inventory</b>	<b>448,744</b>	<b>72,948</b>	<b>526,758</b>	<b>18,714</b>	<b>492,965</b>	<b>0</b>	<b>30,874</b>	<b>25,891</b>	<b>10,251</b>	<b>1,395</b>	<b>4,768</b>	<b>1,633,307</b>
<b>NOVEMBER 2022</b>												
Opening Balance	448,744	72,948	526,758	18,714	492,965	0	30,874	25,891	10,251	1,395	4,768	1,633,307
Domestic production	446,970	71,882	79,201	7,658	66,637	0	30	0	0	0	0	672,378
Imports	0	0	0	0	239,053	0	0	0	0	0	1,061	240,114
<b>Total Availability</b>	<b>895,714</b>	<b>144,830</b>	<b>605,959</b>	<b>26,372</b>	<b>798,655</b>	<b>0</b>	<b>30,904</b>	<b>25,891</b>	<b>10,251</b>	<b>1,395</b>	<b>5,829</b>	<b>2,545,799</b>
Offtake	583,066	73,270	90,723	8,168	236,405	0	856	699	28	577	798	994,590
Export	-	-	-	-	-	-	-	-	-	-	-	-
Adjustments (+)	40,183	0	0	1	10,633	0	0	0	0	0	1	50,818
Adjustments (-)	39,357	0	464	0	10,834	0	11	348	80	0	1	51,095
<b>National Inventory</b>	<b>313,475</b>	<b>71,560</b>	<b>514,772</b>	<b>18,205</b>	<b>562,049</b>	<b>0</b>	<b>30,037</b>	<b>24,844</b>	<b>10,143</b>	<b>818</b>	<b>5,031</b>	<b>1,550,933</b>
<b>DECEMBER, 2022</b>												
Opening Balance	313,475	71,560	514,772	18,205	562,049	0	30,037	24,844	10,143	818	5,031	1,550,933
Domestic production	576,355	73,452	75,434	7,027	31,220	0	0	0	0	0	0	763,488
Imports	194,800	0	0	0	20	0	450	0	0	0	0	195,270
<b>Total Availability</b>	<b>1,084,630</b>	<b>145,012</b>	<b>590,206</b>	<b>25,232</b>	<b>593,289</b>	<b>0</b>	<b>30,487</b>	<b>24,844</b>	<b>10,143</b>	<b>818</b>	<b>5,031</b>	<b>2,509,691</b>
Offtake	833,205	143,307	144,541	7,335	157,519	0	544	157	209	111	751	1,287,679
Export	-	-	-	-	-	-	-	-	-	-	-	-
Adjustments (+)	46,013	0	1,538	0	3,205	0	3,862	1	248	68	0	54,935
Adjustments (-)	47,028	0	0	0	3,208	0	0	0	0	0	0	50,236
<b>National Inventory</b>	<b>250,410</b>	<b>1,704</b>	<b>447,203</b>	<b>17,897</b>	<b>435,767</b>	<b>0</b>	<b>33,805</b>	<b>24,688</b>	<b>10,182</b>	<b>775</b>	<b>4,280</b>	<b>1,226,711</b>

Continued....

## TOTAL PRODUCT-WISE SUPPLY/DEMAND SITUATION DURING APRIL 2022 TO JUNE 2023

Description	(Tonnes)											
	UREA	CAN	NP	SSP	DAP	TSP	SOP	NPK's	MOP	MAP	AS	TOTAL
<b>JANUARY, 2023</b>												
Opening Balance	250,410	1,704	447,203	17,897	435,767	-	33,805	24,688	10,182	775	4,280	1,226,711
Domestic production	479,275	64,157	62,354	3,959	0	0	205	2,900	0	0	0	612,850
Imports	0	0	0	0	7,615	0	2	0	0	0	500	8,117
<b>Total Availability</b>	<b>729,685</b>	<b>65,861</b>	<b>509,557</b>	<b>21,856</b>	<b>443,382</b>	<b>-</b>	<b>34,012</b>	<b>27,588</b>	<b>10,182</b>	<b>775</b>	<b>4,780</b>	<b>1,847,678</b>
Offtake	631,276	66,609	64,085	4,098	95,846	0	8,433	3,639	1,910	511	1,197	877,604
Export	-	-	-	-	-	-	-	-	-	-	-	-
Adjustments (+)	3,671	1,301	2,000	0	1,503	0	66	0	496	0	0	9,037
Adjustments (-)	783	0	0	2	2,740	0	5	0	0	1	0	3,531
<b>National Inventory</b>	<b>101,297</b>	<b>554</b>	<b>447,472</b>	<b>17,756</b>	<b>346,299</b>	<b>-</b>	<b>25,639</b>	<b>23,949</b>	<b>8,768</b>	<b>263</b>	<b>3,583</b>	<b>975,581</b>
<b>FEBRUARY 2023</b>												
Opening Balance	101,297	554	447,472	17,756	346,299	0	25,639	23,949	8,768	263	3,583	975,581
Domestic production	454,776	40,419	30,186	3,124	14,347	0	794	0	0	0	0	543,646
Imports	0	0	0	0	0	0	0	0	0	0	1,012	1,012
<b>Total Availability</b>	<b>556,073</b>	<b>40,973</b>	<b>477,658</b>	<b>20,880</b>	<b>360,646</b>	<b>0</b>	<b>26,433</b>	<b>23,949</b>	<b>8,768</b>	<b>263</b>	<b>4,595</b>	<b>1,520,239</b>
Offtake	502,761	41,264	95,419	4,813	97,607	0	8,132	10,868	775	116	2,470	764,224
Export	-	-	-	-	-	-	-	-	-	-	-	0
Adjustments (+)	375	649	1	0	2,817	0	84	0	0	1	0	3,927
Adjustments (-)	0	0	0	0	2,905	0	0	2	0	0	0	2,907
<b>National Inventory</b>	<b>53,687</b>	<b>358</b>	<b>382,240</b>	<b>16,068</b>	<b>262,951</b>	<b>-</b>	<b>18,386</b>	<b>13,079</b>	<b>7,993</b>	<b>148</b>	<b>2,125</b>	<b>757,035</b>
<b>MARCH 2023</b>												
Opening Balance	53,687	358	382,240	16,068	262,951	-	18,386	13,079	7,993	148	2,125	757,035
Domestic production	502,042	56,668	42,316	8,504	37,530	0	912	4,263	0	0	0	652,235
Imports	0	0	0	0	27,600	300	0	0	0	0	2,040	29,940
<b>Total Availability</b>	<b>555,729</b>	<b>57,026</b>	<b>424,556</b>	<b>24,572</b>	<b>328,081</b>	<b>300</b>	<b>19,298</b>	<b>17,342</b>	<b>7,993</b>	<b>148</b>	<b>4,165</b>	<b>1,439,210</b>
Offtake	489,231	55,606	36,955	1,060	51,238	300	4,132	4,674	2,776	98	1,295	647,364
Export	-	-	-	-	-	-	-	-	-	-	-	-
Adjustments (+)	2,649	0	0	0	76	0	0	501	0	0	0	3,226
Adjustments (-)	0	0	0	139	2,266	0	1	0	0	0	70	2,476
<b>National Inventory</b>	<b>69,147</b>	<b>1,420</b>	<b>387,601</b>	<b>23,373</b>	<b>274,653</b>	<b>0</b>	<b>15,165</b>	<b>13,169</b>	<b>5,217</b>	<b>50</b>	<b>2,801</b>	<b>792,596</b>

Continued....

## TOTAL PRODUCT-WISE SUPPLY/DEMAND SITUATION DURING APRIL 2022 TO JUNE 2023

(Tonnes)

Product	UREA	CAN	NP	SSP	DAP	TSP	SOP	NPK's	MOP	MAP	AS	TOTAL
<b>APRIL 2023</b>												
Opening Balance	69,147	1,420	387,601	23,373	274,653	0	15,165	13,169	5,217	50	2,801	792,596
Domestic Production	580,146	73,877	66,118	6,224	59,138	0	1,255	5,486	0	0	0	792,244
Import	0	0	0	0	0	0	661	0	576	0	3,045	4,282
<b>Total Availability</b>	<b>649,293</b>	<b>75,297</b>	<b>453,719</b>	<b>29,597</b>	<b>333,791</b>	<b>0</b>	<b>17,080</b>	<b>18,655</b>	<b>5,793</b>	<b>50</b>	<b>5,846</b>	<b>1,589,121</b>
Offtake	408,297	61,948	48,410	1,375	50,764	0	2,127	2,015	895	0	2,156	577,987
Export	-	-	-	-	-	-	-	-	-	-	-	0
Adjustment (+)	712	1	0	0	2,771	0	1	0	0	0	1	3,486
Adjustment (-)	2	0	602	0	415	0	661	0	0	0	1	1,682
<b>Closing Balance</b>	<b>241,706</b>	<b>13,350</b>	<b>404,707</b>	<b>28,222</b>	<b>285,383</b>	<b>-</b>	<b>14,293</b>	<b>16,639</b>	<b>4,898</b>	<b>50</b>	<b>3,689</b>	<b>1,012,939</b>
<b>MAY 2023</b>												
Opening balance	241,706	13,350	404,707	28,222	285,383	0	14,293	16,639	4,898	50	3,689	1,012,939
Domestic Production	492,819	72,366	62,397	7,208	74,282	0	1,551	3,550	0	0	0	714,173
Import	0	0	0	0	34,103	0	0	0	0	624	1,018	35,745
<b>Total Availability</b>	<b>734,525</b>	<b>85,716</b>	<b>467,104</b>	<b>35,430</b>	<b>393,768</b>	<b>0</b>	<b>15,844</b>	<b>20,189</b>	<b>4,898</b>	<b>674</b>	<b>4,708</b>	<b>1,762,857</b>
Offtake	459,087	76,792	82,853	5,961	65,950	0	2,609	571	562	260	2,006	696,650
Export	-	-	-	-	-	-	-	-	-	-	-	0
Adjustment (+)	2,395	0	12,000	0	4,869	0	1	1	0	0	1	19,267
Adjustment (-)	501	500	290	0	8	0	13	0	400	0	0	1,712
<b>Closing balance</b>	<b>277,333</b>	<b>8,425</b>	<b>395,961</b>	<b>29,469</b>	<b>332,679</b>	<b>0</b>	<b>13,224</b>	<b>19,619</b>	<b>3,937</b>	<b>414</b>	<b>2,702</b>	<b>1,083,762</b>
<b>JUNE 2023</b>												
Opening Balance	277,333	8,425	395,961	29,469	332,679	-	13,224	19,619	3,937	414	2,702	1,083,762
Domestic Production	548,455	72,794	68,296	8,309	50,929	0	1,577	0	0	0	0	750,360
Import	0	0	0	0	49,539	0	504	0	0	0	1,021	51,064
<b>Total Availability</b>	<b>825,788</b>	<b>81,219</b>	<b>464,257</b>	<b>37,778</b>	<b>433,147</b>	<b>-</b>	<b>15,305</b>	<b>19,619</b>	<b>3,937</b>	<b>414</b>	<b>3,724</b>	<b>1,885,186</b>
Offtake	610,348	70,965	133,485	9,672	158,127	0	1,330	779	9	51	1,243	986,009
Export	-	-	-	-	-	-	-	-	-	-	-	-
Adjustment (+)	1	0	890	0	4,130	0	86	337	0	0	0	5,444
Adjustment (-)	8	0	0	3	4,217	0	15	79	0	5	0	4,326
<b>Closing Balance</b>	<b>215,433</b>	<b>10,254</b>	<b>331,662</b>	<b>28,104</b>	<b>274,933</b>	<b>-</b>	<b>14,046</b>	<b>19,098</b>	<b>3,928</b>	<b>358</b>	<b>2,481</b>	<b>900,295</b>

## PRODUCT WISE SUPPLY DEMAND SITUATION DURING FISCAL YEAR 2022-23

Description	(Tonnes)											
	UREA	CAN	NP	SSP	DAP	TSP	SOP	NPK's	MOP	MAP	AS	TOTAL
Opening Balance	256,038	29,740	378,613	16,651	337,427	-	21,350	11,251	11,748	1,947	5,240	1,070,006
Domestic Production	6,032,699	819,940	792,228	76,335	635,326	0	12,225	40,129	0	0	0	8,408,882
Imports	399,571	-	-	-	443,776	300	15,876	-	576	924	11,614	872,637
<b>Total Availability</b>	<b>6,688,308</b>	<b>849,680</b>	<b>1,170,841</b>	<b>92,986</b>	<b>1,416,529</b>	<b>300</b>	<b>49,452</b>	<b>51,380</b>	<b>12,324</b>	<b>2,871</b>	<b>16,854</b>	<b>10,351,525</b>
Offtake	6,469,992	840,876	855,777	64,739	1,140,672	300	32,603	35,916	9,942	2,447	14,858	9,468,122
Exports	-	-	-	-	-	-	-	-	-	-	-	-
Adjustments (+/-)	-2,883	1,450	16,599	-143	-924	0	-2,803	3,634	1,544	-67	485	16,893
<b>Closing Balance</b>	<b>215,433</b>	<b>10,254</b>	<b>331,662</b>	<b>28,104</b>	<b>274,933</b>	<b>0</b>	<b>14,046</b>	<b>19,098</b>	<b>3,928</b>	<b>358</b>	<b>2,481</b>	<b>900,295</b>

**DISTRICT -WISE, NUTRIENT WISE FERTILIZER OFFTAKE AND USE PER HECTARE  
DURING 2022-23**

(Tonnes)

District	Nitrogen	Phosphate	Potash	Nutrients Total	Cropped Area (000 ha)	Nutrient Use Rate (Kg/ha)
<b>PUNJAB</b>						
Attock	6,068	1,522	22	7,612	245	31
Bahawalpur	136,175	32,955	509	169,639	740	229
Bhakkar	26,826	4,332	154	31,312	853	37
Bahawal Nagar	129,455	26,615	278	156,348	981	159
Chakwal	1,434	680	3	2,117	268	8
Chiniot	45,824	9,423	716	55,963	277	202
Dera Ghazi Khan	67,056	12,056	118	79,230	488	162
Faisalabad	81,704	15,611	527	97,842	671	146
Gujranwala	114,259	20,831	227	135,317	580	233
Gujrat	9,243	1,822	12	11,076	310	36
Hafizabad	42,700	7,872	145	50,717	338	150
Islamabad	2,897	334	1	3,231.16	39	83
Jhang	92,593	17,189	575	110,357	728	152
Jhelum	704	74	2	781	111	7
Kasur	71,205	14,115	206	85,526	479	179
Khanewal	85,076	16,428	497	102,001	605	169
Khushab	12,206	1,451	131	13,788	430	32
Lahore	35,785	7,397	122	43,305	156	278
Layyah	60,907	12,840	421	74,168	670	111
Lodran	77,412	18,537	206	96,156	450	214
MandiBahauddin	59,886	12,275	220	72,382	320	226
MuzaffarGarh	87,652	17,088	292	105,031	643	163
Mianwali	26,911	2,097	73	29,080	418	70
Multan	192,242	39,765	516	232,522	459	507
Nankana	39,418	7,756	57	47,230	313	151
Narowal	53,833	10,268	74	64,175	223	288
Okara	124,632	24,224	391	149,247	601	248
Pakpattan	89,499	19,958	367	109,823	430	255
Rahim Yar Khan	195,180	43,237	855	239,272	845	283
Rajanpur	60,094	10,083	79	70,256	488	144
Rawalpindi	20,588	2,027	42	22,657	193	117
Sahiwal	110,888	23,484	262	134,634	427	315
Sargodha	58,117	11,249	683	70,050	683	103
Sheikhupura	64,174	12,289	122	76,585	575	133
Sialkot	26,635	4,623	140	31,398	422	74
Toba Tek Singh	44,293	9,582	363	54,238	425	128
Vehari	109,071	21,157	661	130,889	649	202
New distributors	23,967	30,587	10,653	65,207	-	-
<b>PUNJAB</b>	<b>2,486,608</b>	<b>523,831</b>	<b>20,723</b>	<b>3,031,163</b>	<b>17,533</b>	<b>172.9</b>

1-Multan is a big fertilizer markets and use may not depict true picture.

2- Fertilizer is sometimes stocked in bigger towns and then transferred to other district retailers.

3) Cropped area is taken from Punjab Development Statistics, 2022.

Continued....

**DISTRICT -WISE, NUTRIENT WISE FERTILIZER OFFTAKE AND USE PER HECTARE  
DURING 2022-23**

(Tonnes)						
District	Nitrogen	Phosphate	Potash	Nutrients Total	Cropped Area (000 ha)	Nutrient Use Rate (Kg/ha)
<b>SINDH</b>						
Badin	40,651	5,026	110	45,787	210	219
Dadu	36,771	5,800	59	42,630	161	265
Ghotki	70,028	11,511	89	81,628	273	299
Hyderabad	38,000	5,070	127	43,197	42	1037
Jacobabad	23,831	4,187	17	28,035	167	168
Jamshoro	9,030	219	3	9,253	74	124
Karachi	17,405	3,881	2,396	23,682	5	4856
Kashmore	23,489	3,868	10	27,367	141	195
Khairpur	37,649	6,172	108	43,929	278	158
Larkana	30,006	3,320	23	33,348	182	183
Mirpurkhas	70,093	11,678	373	82,144	162	506
Matiari	27,807	5,012	369	33,188	128	260
NosheroFeroz	102,736	19,956	344	123,036	184	668
Shaheed Benazir Abad	53,332	7,613	224	61,169	219	280
Sanghar	84,069	15,645	428	100,141	252	397
QamberShahdadKot	21,960	2,925	26	24,910	154	162
Shikarpur	21,681	4,377	13	26,071	156	168
Sujawal	5,972	1,049	17	7,037	-	-
Sukkur	28,656	3,921	38	32,615	100	326
Tando Allah Yar	19,586	4,224	479	24,289	56	433
Tharparkar	386	36	5	427	220	2
Thatta	33,875	2,896	69	36,840	178	207
Tando Muhammad khan	26,939	3,030	21	29,990	83	359
Umerkot	7,934	1,255	13	9,202	67	137
New distributors	9,559	18,887	849	29,295	-	-
<b>SIND</b>	<b>841,444</b>	<b>151,560</b>	<b>6,209</b>	<b>999,212</b>	<b>3492</b>	<b>286</b>

1. Karachi and Hyderabad are big fertilizer markets and use may not depict true picture.
2. Fertilizer is sometimes stocked in bigger towns and then transferred to other district retailers.
3. Cropped area is taken from Development Statistics of Sindh, 2022.

Continued....

**DISTRICT -WISE, NUTRIENT WISE FERTILIZER OFFTAKE AND USE PER HECTARE  
DURING 2022-23**

(Tonnes)

District	Nitrogen	Phosphate	Potash	Nutrients Total	Cropped Area (000 ha)	Nutrient Use Rate (Kg/ha)
<b>KP</b>						
Abbotabad	5,149	1,007	41	6,197	55	113
Bajaur agency	1,299	175	23	1,497	68	22
Bannu	1,201	192	-	1,392	38	36
Battagram	355	13	-	368	30	12
Buner	1,622	626	175	2,423	107	23
Charsadha	7,829	1,525	74	9,428	91	103
Chitral	117	-	-	117	27	4
Dera Ismail Khan	20,944	4,810	113	25,866	154	168
Dir upper	2,187	233	8	2,428	46	53
Dir lower	3,618	487	-	4,105	71	57
Hangu	170	-	-	170	27	6
Haripur	1,167	219	2	1,388	84	16
Karak	198	-	-	198	51	4
Khyber agency	190	108	-	298	17	18
Kohat	967	141	-	1,108	21	53
Kohistan	-	-	-	-	29	0
Kurram agency	1,056	116	-	1,171	41	28
LakkiMarwat	808	178	-	986	42	23
Malakand	417	18	-	435	50	9
Mansehra	7,457	1,105	128	8,690	91	96
Mardan	34,646	5,045	537	40,228	111	361
Mohmand agency	614	35	-	650	12	56
North Waziristan agency	-	-	-	-	11	0
Nowshera	3,189	408	11	3,607	49	73
Orakzai agency	-	-	-	-	11	0
Peshawar	22,270	2,772	45	25,087	86	293
South Waziristan agency	-	-	-	-	17	0
Shangla	1,374	1,240	30	2,645	81	33
Swabi	5,948	229	1	6,177	84	74
Swat	27,257	4,795	147	32,199	177	182
Tank	242	14	-	256	20	15
New distributors	16420	6745	0	23,165	-	-
<b>KP</b>	<b>168,712</b>	<b>32,236</b>	<b>1,332</b>	<b>202,280</b>	<b>1799</b>	<b>112.4</b>

*Cropped area is taken from Development Statistics of Khyber Pakhtunkhwa, 2022.*

*Continued....*

**DISTRICT -WISE, NUTRIENT WISE FERTILIZER OFFTAKE AND USE PER HECTARE  
DURING 2022-23**

(Tonnes)

District	Nitrogen	Phosphate	Potash	Nutrients Total	Cropped Area (000 ha)	Nutrient Use Rate (Kg/ha)
<b>BALUCHISTAN</b>						
Awaran	3	3	-	7	32	0.2
Barkhan	1,398	256	2	1,656	45	37
Kachhi (Bolan)	491	79	-	570	24	24
Chaghi	519	14	-	533	17	31
Chaman	14	-	-	14	0	-
Dera Bugti	16	8	-	24	36	1
Gwadar	-	-	-	-	3	-
Harnai	3,334	679	2	4,016	8	488
Jafarabad	17,872	2,462	1	20,335	217	94
Jhal Magsi	1,388	343	-	1,731	91	19
Kalat	698	105	13	816	15	55
Kech (Turbat)	-	-	-	-	44	-
Kharan	1,788	273	13	2,074	27	77
Khuzdar	6,827	1,160	68	8,055	86	94
Kohlu	-	-	-	-	14	-
Lasbela	10,750	1,706	57	12,513	63	200
Loralai	1,929	1,814	-	3,743	28	133
Mastung	-	-	-	-	13	-
Musakhel	-	-	-	-	6	-
Nasirabad	7,244	1,643	0	8,887	198	45
Nushki	120	25	-	145	19	8
Panjour	-	-	-	-	30	-
Pishin	9,845	1,991	270	12,106	25	493
Qila Saifullah	4,889	946	24	5,858	63	93
Qila Abdullah	1,107	-	-	1,107	12	95
Quetta	29,354	6,121	26	35,501	8	4,202
Shirani	-	-	-	-	3	-
Sibi	2,593	550	19	3,163	28	113
Sohbatpur	179	14	-	193	0	-
Washuk	9	-	-	9	20	0.5
Zhob	-	-	-	-	20	-
Ziarat	-	-	-	-	5	-
Shaheed Sikandarabad	18	-	-	18	-	-
New Distributors	4,733	5,828	-	10,561	-	-
<b>Balochistan</b>	<b>107,117</b>	<b>26,020</b>	<b>497</b>	<b>133,633</b>	<b>1,201</b>	<b>111.3</b>
<b>Pakistan</b>	<b>3,603,880</b>	<b>733,649</b>	<b>28,761</b>	<b>4,366,289</b>	<b>24,025</b>	<b>181.7</b>

1. Quetta is big fertilizer market and use may not depict true picture
2. Fertilizer is sometimes stocked in bigger towns and then transferred to other district retailers
3. Cropped area is taken from Development Statistics of Balochistan, 2021-22

## DISTRICT-WISE PRODUCT-WISE FERTILIZER OFFTAKE DURING 2022-23

DISTRICTS	(Tonnes)												
	UREA	CAN	NP	DAP	MAP	TSP	SSP	SOP	MOP	AS	NPKs	ZINC	TOTAL
<b>PUNJAB</b>													
Attock	9,685	2,714	2,280	2,125	-	-	64	22	-	0	57	-	16,947
Bahawalpur	234,163	40,043	39,669	51,476	93	-	-	773	39	15	527	-	366,798
Bhakkar	52,808	2,943	2,643	7,240	-	-	1,445	71	8	0	618	-	67,775
Bahawal Nagar	232,250	32,054	30,728	42,204	76	-	129	397	32	0	330	-	338,200
Chakwal	1,916	30	1,989	484	-	-	-	6	-	0	-	-	4,425
Chiniot	85,602	6,959	8,887	15,177	10	-	255	414	388	0	1,529	-	119,220
Dera Ghazi Khan	130,314	7,176	5,227	23,454	-	-	180	184	-	0	144	-	166,680
Faisalabad	150,689	15,157	19,721	22,764	220	-	1,396	592	54	0	1,088	-	211,680
Gujranwala	211,345	21,320	28,840	29,445	45	-	2,847	226	30	40	529	12	294,678
Gujrat	17,362	1,075	1,936	2,953	-	-	100	24	-	0	-	-	23,449
Hafizabad	82,895	3,921	5,275	13,664	-	-	1,500	128	-	15	451	-	107,848
Islamabad	6,014	-	-	725	-	-	-	2	-	0	-	-	6,740
Jhang	171,633	17,014	23,080	23,582	178	-	3,640	670	16	30	1,270	-	241,112
Jhelum	1,457	-	35	144	-	-	-	4	-	0	-	-	1,641
Kasur	128,047	16,917	18,190	21,438	54	-	-	284	51	20	186	-	185,187
Khanewal	158,928	14,051	15,638	27,642	3	-	295	844	14	10	345	-	217,770
Khushab	25,498	276	464	2,389	-	-	630	41	-	2	604	-	29,905
Lahore	65,711	4,775	10,520	10,698	62	-	-	155	33	10	130	-	92,094
Layyah	95,269	36,237	20,918	17,083	2	-	270	606	3	5	618	-	171,011
Lodran	135,910	18,427	23,354	27,937	37	-	1,000	216	4	0	526	-	207,410
Mandi Bahauddin	107,108	11,749	22,327	14,248	-	-	2,608	203	24	23	563	-	158,853
Muzaffar Garh	152,708	33,240	16,110	28,966	52	-	30	524	5	0	138	-	231,773
Mianwali	55,067	2,159	2,309	2,650	-	-	1,510	20	-	0	349	-	64,064
Multan	291,216	124,344	83,797	40,045	3	-	10,274	414	58	25	1,385	-	551,562
Nankana	73,984	4,701	8,589	12,486	-	-	115	88	-	0	69	-	100,033
Narowal	106,425	2,838	5,620	16,313	-	-	8,044	108	-	0	106	-	139,454
Okara	228,424	25,250	29,615	35,543	8	-	4,305	316	17	51	1,237	-	324,766
Pakpattan	157,884	21,701	26,508	29,415	18	-	675	415	5	20	867	-	237,508
Rahim Yar Khan	354,904	39,462	37,458	74,526	111	-	320	1,061	117	65	1,309	-	509,333
Rajanpur	119,228	3,995	4,338	19,365	17	-	760	96	-	31	163	-	147,993
Rawalpindi	31,400	19,300	5,218	1,734	-	-	-	4	5	0	187	-	57,848
Sahiwal	190,880	32,326	40,905	30,202	-	-	762	417	27	11	205	-	295,734
Sargodha	101,361	17,699	20,532	12,914	104	-	1,230	367	249	29	1,794	-	156,278
Sheikhupura	120,060	9,621	12,659	20,277	13	-	90	176	17	2	128	-	163,043
Sialkot	48,010	8,044	6,226	6,641	-	-	165	102	3	0	481	-	69,671
Toba Tek Singh	81,117	7,157	11,307	14,704	18	-	-	344	4	15	1,015	-	115,681
Vehari	207,739	16,087	14,407	37,041	36	-	3,307	928	64	20	869	-	280,499
New distributors	-	-	-	80,223	633	300	4,191	16,722	3,970	10,013	-	-	116,052
<b>Punjab Total</b>	<b>4,425,010</b>	<b>620,761</b>	<b>607,319</b>	<b>819,916</b>	<b>1,793</b>	<b>300</b>	<b>52,136</b>	<b>27,962</b>	<b>5,237</b>	<b>10,452</b>	<b>19,817</b>	<b>12</b>	<b>6,590,715</b>

Source: Respective Marketing Agencies.

Note: 1. Consolidated offtake has been shown for new distributors, because district-wise data is not available.

2. District-wise data is consolidated of these agencies: 1. NFML, 2. FFC, 3. EFERT 4. FFCL, 5. PAK Arab, 6. RCL, 7. Agritech, 8. Fatima Fert, 9. JBL

Continued....

## DISTRICT-WISE PRODUCT-WISE FERTILIZER OFFTAKE DURING 2022-23

(Tonnes)

DISTRICTS	UREA	CAN	NP	DAP	MAP	TSP	SSP	SOP	MOP	AS	NPKs	ZINC	TOTAL
<b>SINDH</b>													
Badin	81,779	2,113	3,941	8,754	28	-	-	89	0	-	358	5	97,067
Dadu	72,985	1,084	5,186	9,935	39	-	-	91	0	-	75	67	89,461
Ghotki	129,497	14,667	16,139	16,422	27	-	883	34	7	20	362	-	178,057
Hyderabad	69,481	12,368	6,164	7,779	11	-	-	76	0	-	445	5	96,329
Jacobabad	43,410	4,576	7,863	4,948	21	-	411	1	0	-	87	20	61,337
Jamshoro	18,981	780	87	425	-	-	-	0	0	-	17	-	20,290
Karachi	33,409	666	2,464	7,199	-	-	-	951	3196	-	15	-	47,900
Kashmore	47,873	110	442	8,158	28	-	-	20	0	-	0	29	56,660
Khairpur	69,803	8,928	5,816	10,361	8	-	-	47	0	-	423	12	95,398
Larkana	60,031	2,705	3,067	5,601	30	-	60	22	0	-	61	69	71,646
Mirpurkhas	108,140	45,353	29,587	9,967	16	-	-	174	0	25	1501	9	194,772
Matiali	47,081	9,543	11,932	4,407	7	-	-	111	0	-	1567	7	74,656
Noshero Feroz	163,331	60,058	30,531	27,694	40	-	-	312	0	15	974	12	282,967
Shaheed Benazir Abad	106,346	3,555	4,237	14,153	104	-	-	278	0	10	437	1	129,121
Sanghar	150,406	26,367	14,225	26,429	12	-	-	353	0	-	1279	10	219,082
Qambar Shahdad Kot	45,231	-	372	6,104	-	-	60	4	0	-	122	14	51,907
Shikarpur	41,435	520	6,103	6,100	13	-	875	21	0	-	14	3	55,085
Sujawal	12,090	-	-	2,280	-	-	-	34	-	-	-	-	14,404
Sukkur	58,249	975	988	7,879	78	-	-	28	0	-	132	-	68,329
Tando Allah Yar	27,784	13,254	12,249	2,435	70	-	-	312	0	1	1615	5	57,723
Tharparkar	808	-	-	78	-	-	-	10	0	-	0	-	896
Thatta	65,540	8,555	4,099	4,048	85	-	-	47	0	-	240	4	82,618
Tando Muhammad Khan	55,647	280	595	6,288	2	-	-	41	0	-	0	-	62,853
Umerkot	12,713	3,657	4,708	381	-	-	-	16	0	-	27	-	21,501
New distributors	-	-	-	44,392	18	-	981	212	1,411	1,732	-	-	48,746
<b>Sindh Total</b>	<b>1,522,049</b>	<b>220,114</b>	<b>170,795</b>	<b>242,214</b>	<b>637</b>	<b>-</b>	<b>3,270</b>	<b>3,284</b>	<b>4,614</b>	<b>1,803</b>	<b>9,751</b>	<b>272</b>	<b>2,178,803</b>

Source: Respective Marketing Agencies.

Note: 1. Consolidated offtake has been shown for new distributors, because district-wise data is not available.

2. District-wise data is consolidated of these agencies: 1. NFML, 2. FFC, 3. EFERT 4. FFCL, 5. PAK Arab, 6. RCL, 7. Agritech, 8. Fatima Fert, 9. JBL

Continued ....

## DISTRICT-WISE PRODUCT-WISE FERTILIZER OFFTAKE DURING 2022-23

DISTRICTS	(Tonnes)												
	UREA	CAN	NP	DAP	MAP	TSP	SSP	SOP	MOP	AS	NPKs	ZINC	TOTAL
	<b>KP</b>												
Abbotabad	10,307	-	97	2,141	-	-	-	81	-	-	-	-	12,626
Bajaur agency	2,668	-	-	357	-	-	-	-	15	-	70	-	3,110
Bannu	2,400	-	155	339	-	-	-	-	-	-	-	-	2,894
Battagram	755	-	20	18	-	-	-	-	-	-	-	-	793
Buner	2,907	-	22	1,188	-	-	-	129	-	-	603	-	4,849
Charsadha	14,797	-	3,017	1,662	-	-	180	47	-	-	279	-	19,982
Chitral	255	-	-	-	-	-	-	-	-	-	-	-	255
Dera Ismail Khan	42,158	-	2,703	9,090	-	-	-	207	-	-	45	-	54,203
Dir lower	7,586	-	696	729	-	-	70	-	-	-	-	-	9,081
Dir upper	4,595	-	-	412	-	-	200	-	-	-	42	-	5,249
Hangu	370	-	-	-	-	-	-	-	-	-	-	-	370
Haripur	2,168	-	612	162	-	-	20	3	-	-	-	-	2,965
Karak	430	-	-	-	-	-	-	-	-	-	-	-	430
Khyber agency	318	-	11	230	-	-	-	-	-	-	-	-	559
Kohat	1,969	-	47	283	-	-	-	-	-	-	-	-	2,299
Kohistan	-	-	-	-	-	-	-	-	-	-	-	-	-
Kurram agency	2,196	-	-	252	-	-	-	-	-	-	-	-	2,448
Lakki Marwat	1,606	-	-	386	-	-	-	-	-	-	-	-	1,992
Malakand	885	-	18	30	-	-	-	-	-	-	-	-	933
Mansehra	20,046	-	938	1,722	-	-	-	1	-	70	681	-	23,458
Mardan	75,707	-	2,224	7,664	-	-	4,130	323	1	48	2,046	-	92,143
Mohmand agency	1,305	-	-	77	-	-	-	-	-	-	-	-	1,382
North Waziristan agency	-	-	-	-	-	-	-	-	-	-	-	-	-
Nowshera	6,575	-	40	866	-	-	-	21	-	-	-	-	7,502
Orakzai agency	-	-	-	-	-	-	-	-	-	-	-	-	-
Peshawar	46,411	-	147	4,939	-	-	2,570	79	-	-	28	-	54,174
South Waziristan agency	-	-	-	-	-	-	-	-	-	-	-	-	-
Shangla	846	-	3,571	911	-	-	-	60	-	-	-	-	5,388
Swabi	27,714	-	131	385	-	-	120	1	-	-	-	-	28,350
Swat	52,765	-	8,851	4,989	-	-	2,040	180	19	80	658	-	69,582
Tank	515	-	-	30	-	-	-	-	-	-	-	-	545
New distributors	-	-	12,577	3,814	-	-	-	4	15	2,298	-	-	18,708
<b>KP Total</b>	<b>330,252</b>	<b>-</b>	<b>35,878</b>	<b>42,675</b>	<b>-</b>	<b>-</b>	<b>9,330</b>	<b>1,136</b>	<b>50</b>	<b>2,496</b>	<b>4,452</b>	<b>-</b>	<b>426,268</b>

Source: Respective Marketing Agencies.

Note: 1. Consolidated offtake has been shown for new distributors, because district-wise data is not available.

2. District-wise data is consolidated of these agencies: 1. NFML, 2. FFC, 3. EFERT 4. FFCL, 5. PAK Arab, 6. RCL, 7. Agritech, 8. Fatima Fert, 9. JBL

Continued....

## DISTRICT-WISE PRODUCT-WISE FERTILIZER OFFTAKE DURING 2022-23

(Tonnes)

DISTRICTS	UREA	CAN	NP	DAP	MAP	TSP	SSP	SOP	MOP	AS	NPKs	ZINC	TOTAL
<b>BALUCHISTAN</b>													
Awaran	-	-	15	-	-	-	-	-	-	-	-	-	15
Barkhan	2,821	-	-	556	-	-	-	5	-	-	-	-	3,382
Kachhi (Bolan)	990	-	-	172	-	-	-	-	-	-	-	-	1,162
Chagai	1,122	-	-	31	-	-	-	-	-	-	-	-	1,153
Chaman	30	-	-	-	-	-	-	-	-	-	-	-	30
Dera Bugti	25	-	10	12	-	-	-	-	-	-	-	-	47
Gwadar	-	-	-	-	-	-	-	-	-	-	-	-	-
Harnai	6,451	-	722	1,116	-	-	-	5	-	-	-	-	8,293
Jafarabad	36,742	-	70	5,298	17	-	-	3	-	-	-	-	42,130
Jhal Magsi	2,725	-	-	746	-	-	-	-	-	-	-	-	3,471
Kalat	1,397	-	115	154	-	-	-	5	-	-	52	-	1,723
Kech (Turbat)	-	-	-	-	-	-	-	-	-	-	-	-	-
Kharan	3,725	-	-	593	-	-	-	27	-	-	-	-	4,345
Khuzdar	13,693	-	795	1,965	-	-	-	4	-	-	355	-	16,812
Kohlu	-	-	-	-	-	-	-	-	-	-	-	-	-
Lasbela	20,576	-	4,315	1,454	-	-	-	29	-	30	228	5	26,636
Loralai	275	-	7,806	40	-	-	-	-	-	-	-	-	8,121
Mastung	-	-	-	-	-	-	-	-	-	-	-	-	-
Nasirabad	13,950	-	1,316	2,914	-	-	-	0	-	-	-	-	18,180
Nushki	240	-	-	54	-	-	-	-	-	-	-	-	294
Panjgur	-	-	-	-	-	-	-	-	-	-	-	-	-
Pishin	18,595	-	3,384	2,274	-	-	-	103	27	4	1,049	-	25,436
Qila Saifullah	9,640	-	905	1,583	-	-	-	31	-	35	44	-	12,238
Qila Abdullah	2,406	-	-	-	-	-	-	-	-	-	-	-	2,406
Quetta	51,751	-	22,189	2,006	-	-	-	9	12	-	73	-	76,041
Sohbatpur	378	-	-	30	-	-	-	-	-	-	-	-	408
Sibi	5,090	-	145	1,092	-	-	-	-	-	-	96	-	6,423
Washuk	20	-	-	-	-	-	-	-	-	-	-	-	20
Zhob	-	-	-	-	-	-	-	-	-	-	-	-	-
Ziarat	-	-	-	-	-	-	-	-	-	-	-	-	-
Shaheed Sikanadradab	40	-	-	-	-	-	-	-	-	-	-	-	40
New distributors	-	-	-	13,776	-	-	-	2	-	38	-	-	13,816
<b>Balochistan Total</b>	<b>192,682</b>	<b>-</b>	<b>41,786</b>	<b>35,866</b>	<b>17</b>	<b>-</b>	<b>-</b>	<b>221</b>	<b>39</b>	<b>107</b>	<b>1,897</b>	<b>5</b>	<b>272,621</b>
<b>Pakistan Total</b>	<b>6,469,993</b>	<b>840,875</b>	<b>855,777</b>	<b>1,140,672</b>	<b>2,447</b>	<b>300</b>	<b>64,736</b>	<b>32,604</b>	<b>9,940</b>	<b>14,858</b>	<b>35,917</b>	<b>289</b>	<b>9,468,407</b>

Source: Respective Marketing Agencies.

Note: 1. Consolidated offtake has been shown for new distributors, because district-wise data is not available.

2. District-wise data is consolidated of these agencies: 1. NFML, 2. FFC, 3. EFERT 4. FFCL, 5. PAK Arab, 6. RCL, 7. Agritech, 8. Fatima Fert, 9. JBL

**FERTILIZER PRODUCTION BY PRODUCT AND MANUFACTURER DURING KHARIF (2021 AND 2022)**  
**KHARIF 2021**

								(Tonnes)
<b>PRODUCT</b>	<b>SOURCE</b>	<b>APRIL</b>	<b>MAY</b>	<b>JUNE</b>	<b>JULY</b>	<b>AUGUST</b>	<b>SEPTEMBER</b>	<b>TOTAL</b>
UREA	Fatimafert (DHCL)	44,424	45,827	40,464	-	-	3,970	134,685
UREA	EFERT	162,177	198,437	186,803	194,227	197,607	97,703	1,036,954
UREA	Agritech (PAFL)	34,516	35,360	30,182	-	-	10,622	110,680
UREA	PAK ARAB	6,650	3,313	8,271	10,181	1,546	8,816	38,777
UREA (PSFL)	FFC	73,933	75,987	72,924	74,981	74,199	72,355	444,379
UREA (PRILLED)	FFC	134,026	137,893	99,014	143,057	143,660	137,139	794,789
UREA (GRANULAR)	FFBL	55,941	56,519	37,680	49,953	56,981	46,355	303,429
UREA	Fatima Fertilizer	40,641	44,892	36,903	39,431	41,411	39,788	243,066
<b>TOTAL UREA</b>		<b>552,308</b>	<b>598,228</b>	<b>512,241</b>	<b>511,830</b>	<b>515,404</b>	<b>416,748</b>	<b>3,106,759</b>
NP	PAK ARAB	31,395	32,896	30,758	31,743	33,228	32,728	192,748
NP	EFERT	3,001	1,070	4,022	2,396	4,636	3,194	18,319
NP	Fatima Fertilizer	44,062	39,608	43,403	44,677	43,130	43,091	257,971
<b>NP</b>	<b>TOTAL</b>	<b>78,458</b>	<b>73,574</b>	<b>78,183</b>	<b>78,816</b>	<b>80,994</b>	<b>79,013</b>	<b>469,038</b>
SSP (J. WAL 18%)	AL HAMD	-	-	-	-	-	-	-
SSP (H. PUR 18%)	Agritech	7,029	4,843	7,150	5,421	4,561	7,104	36,108
SSP	Suraj Fertilizers	15	1,658	1,074	2,870	3,860	2,552	12,029
SSP	Safi Chemicals	-	150	500	850	800	500	2,800
<b>SSP</b>	<b>TOTAL</b>	<b>7,044</b>	<b>6,651</b>	<b>8,724</b>	<b>9,141</b>	<b>9,221</b>	<b>10,156</b>	<b>50,937</b>
CAN	PAK ARAB	26,974	27,055	29,147	28,352	27,598	27,730	166,856
CAN	Fatima Fertilizer	40,413	39,601	40,424	41,899	40,143	41,602	244,082
<b>CAN</b>	<b>TOTAL</b>	<b>67,387</b>	<b>66,656</b>	<b>69,571</b>	<b>70,251</b>	<b>67,741</b>	<b>69,332</b>	<b>410,938</b>
DAP	FFC	70,846	75,291	75,244	73,691	76,819	72,142	444,033
SOP	Pacific	963	917	811	182	329	898	4,100
NPKs (Various grades)	EFERT	10,334	7,829	6,194	5,849	5,600	6,028	41,834
NPK (2:20:3)	Safi Chemicals	-	-	-	-	-	-	-
	<b>GRAND TOTAL</b>	<b>787,340</b>	<b>829,146</b>	<b>750,968</b>	<b>749,760</b>	<b>756,108</b>	<b>654,317</b>	<b>4,527,639</b>
	NITROGEN	302,854	323,086	285,160	285,005	287,603	241,593	1,725,300
	PHOSPHATE	51,566	52,150	53,014	52,393	56,913	54,168	320,205
	POTASH	2,207	1,917	1,434	1,047	1,172	1,635	9,412
	<b>TOTAL</b>	<b>356,626</b>	<b>377,153</b>	<b>339,608</b>	<b>338,445</b>	<b>345,688</b>	<b>297,396</b>	<b>2,054,917</b>

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**FERTILIZER PRODUCTION BY PRODUCT AND MANUFACTURER DURING KHARIF (2021 AND 2022)**  
**KHARIF 2022**

		(Tonnes)						
PRODUCT	SOURCE	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
UREA	Fatimafert (DHCL)	42,294	30,096	37,032	42,347	42,610	40,377	234,756
UREA	EFERT	193,406	197,000	160,364	94,442	187,232	167,876	1,000,320
UREA	Agritech (PAFL)	31,229	23,273	26,136	27,286	29,615	31,964	169,503
UREA	PAK ARAB	10,454	7,607	9,804	10,321	9,821	10,489	58,496
UREA (PSFL)	FFC	74,477	76,706	73,082	37,629	62,149	71,306	395,349
UREA (PRILLED)	FFC	139,475	139,053	138,640	107,863	114,813	137,863	777,707
UREA (GRANULAR)	FFBL	48,137	47,468	45,710	47,895	49,596	26,980	265,786
UREA	Fatima Fertilizer	39,159	41,660	40,524	44,244	45,011	44,106	254,704
<b>TOTAL UREA</b>		<b>578,631</b>	<b>562,863</b>	<b>531,292</b>	<b>412,027</b>	<b>540,847</b>	<b>530,961</b>	<b>3,156,621</b>
NP	PAK ARAB	31,397	25,902	32,437	32,725.0	32,767	32,753	187,981
NP	EFERT	6,093	6,905	7,708	-	4,420	6,239	31,365
NP	Fatima Fertilizer	42,698	45,516	36,947	39,978	33,704	38,373	237,216
<b>NP</b>	<b>TOTAL</b>	<b>80,188</b>	<b>78,323</b>	<b>77,092</b>	<b>72,703</b>	<b>70,891</b>	<b>77,365</b>	<b>456,562</b>
SSP (J. WAL 18%)	AL HAMD	-	-	-	-	-	-	-
SSP (H. PUR 18%)	Agritech	6,001	4,341	6,411	3,427	4,152	5,084	29,416
SSP	Suraj Fertilizers	1,073	3,539	2,695	1,743	-	-	9,050
SSP	Safi Chemicals	90	100	30	40	30	20	310
<b>SSP</b>	<b>TOTAL</b>	<b>7,164</b>	<b>7,980</b>	<b>9,136</b>	<b>5,210</b>	<b>4,182</b>	<b>5,104</b>	<b>38,776</b>
CAN	PAK ARAB	29,970	27,326	30,454	31,932	34,319	31,904	185,905
CAN	Fatima Fertilizer	41,910	42,535	38,194	42,398	41,601	37,181	243,819
<b>CAN</b>	<b>TOTAL</b>	<b>71,880</b>	<b>69,861</b>	<b>68,648</b>	<b>74,330</b>	<b>75,920</b>	<b>69,085</b>	<b>429,724</b>
DAP	FFC	74,809	79,030	72,473	75,800	77,174	71,597	450,883
SOP	Pacific	1,735	1,774	1,691	-	3,207	1,447	9,854
NPKs (Various grades)	EFERT	7,989	4,822	5,500	12,022	4,458	2,900	37,691
NPK (2:20:3)	Safi Chemicals	-	-	-	-	-	-	-
	<b>GRAND TOTAL</b>	<b>822,396</b>	<b>804,653</b>	<b>765,832</b>	<b>652,092</b>	<b>776,679</b>	<b>758,459</b>	<b>4,580,111</b>
	NITROGEN	316,885	309,086	292,688	239,947	299,394	293,176	1,751,176
	PHOSPHATE	53,384	54,296	51,665	52,553	53,226	52,314	317,439
	POTASH	2,233	1,822	1,836	1,955	2,272	1,246	11,363
	<b>TOTAL</b>	<b>372,503</b>	<b>365,204</b>	<b>346,189</b>	<b>294,455</b>	<b>354,893</b>	<b>346,735</b>	<b>2,079,979</b>

**FERTILIZER IMPORTS DURING KHARIF 2021 AND 2022  
(KHARIF 2021)**

(Tonnes)

MONTH	UREA	DAP	SSP	SOP	MOP	AS	MAP	TOTAL PRODUCT	NITROGEN TOTAL	PHOSPHATE TOTAL	POTASH TOTAL	TOTAL NUTRIENT
April	-	52,820	-	7,364	7,562	26,535	-	94,281	15,080	24,297	8,219	47,596
May	-	93,422	-	3,634	7,706	9,466	264	114,492	18,830	43,106	6,441	68,377
June	-	215,349	-	3,173	5,545	-	196	224,263	38,782	99,159	4,913	142,854
July	-	167,432	-	12,692	6,662	150	104	187,039	30,180	77,071	10,343	117,593
August	-	81,777	-	5,213	2,035	3,982	9,000	102,007	16,456	42,117	3,828	62,401
Sep	-	122,929	-	4,221	6,911	6,843	-	140,903	23,564	56,547	6,257	86,368
<b>Total</b>	<b>-</b>	<b>733,729</b>	<b>-</b>	<b>36,297</b>	<b>36,420</b>	<b>46,976</b>	<b>9,564</b>	<b>862,985</b>	<b>142,892</b>	<b>342,297</b>	<b>40,000</b>	<b>525,190</b>

**(KHARIF 2022)**

(Tonnes)

MONTH	UREA	DAP	SSP	SOP	MOP	AS	MAP	TOTAL PRODUCT	NITROGEN TOTAL	PHOSPHATE TOTAL	POTASH TOTAL	TOTAL NUTRIENT
April	-	60,075	-	3,161	-	1,470	-	64,706	11,122	27,635	1,581	40,337
May	-	43,976	-	2,400	-	482	-	46,858	8,017	20,229	1,200	29,446
June	-	23,042	-	2,252	-	942	-	26,236	4,345	10,599	1,126	16,071
July	-	32,593	-	1,898	-	908	-	35,399	6,057	14,993	949	21,999
August	-	407	-	573	-	49	-	1,029	84	187	287	557
Sep	102,614	25,346	-	2,798	-	-	-	130,758	51,765	11,659	1,399	64,823
<b>Total</b>	<b>102,614</b>	<b>185,439</b>	<b>-</b>	<b>13,082</b>	<b>-</b>	<b>3,851</b>	<b>-</b>	<b>304,986</b>	<b>81,390</b>	<b>85,302</b>	<b>6,541</b>	<b>173,233</b>

**MONTH-WISE PRODUCT-WISE OFFTAKE DURING KHARIF 2021 AND 2022  
(KHARIF 2021)**

		(Tonnes)						
Products	Sources	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
UREA	Imported	-	-	-	-	-	-	-
UREA	FFC	163,501	241,203	300,869	286,501	316,522	249,355	1,557,951
UREA	DHCL	-	-	-	-	-	-	-
UREA	PAK-ARAB	311	3	5,594	4,137	6,608	14,576	31,228
UREA	EFERT	109,810	199,904	255,928	239,691	202,766	134,126	1,142,225
UREA	Agri Tech Limited (PAFL)	10,119	12,537	28,891	17,416	37,759	10,754	117,475
UREA	Fatima Fertilizer Company	25,503	47,841	98,956	73,986	84,859	78,339	409,483
<b>UREA</b>	<b>TOTAL</b>	<b>309,245</b>	<b>501,488</b>	<b>690,238</b>	<b>621,731</b>	<b>648,513</b>	<b>487,149</b>	<b>3,258,363</b>
CAN	PAK ARAB	12,204	28,947	41,474	27,105	29,995	13,309	153,033
CAN	Fatima Fertilizer	57,849	51,115	51,010	44,363	49,503	19,424	273,263
<b>CAN</b>	<b>TOTAL</b>	<b>70,052</b>	<b>80,062</b>	<b>92,484</b>	<b>71,467</b>	<b>79,499</b>	<b>32,733</b>	<b>426,297</b>
NP	Imported	-	-	-	-	-	-	-
NP	PAK ARAB	11,855	10,819	11,294	26,891	31,056	20,116	112,032
NP	EFERT	1,927	61	6,122	2,972	4,631	1,560	17,273
NP	Fatima Fertilizer	83,610	27,604	24,109	40,384	50,740	39,937	266,384
<b>NP</b>	<b>TOTAL</b>	<b>97,392</b>	<b>38,484</b>	<b>41,525</b>	<b>70,247</b>	<b>86,427</b>	<b>61,614</b>	<b>395,689</b>
SSP	Imported	0	0	0	0	0	0	-
SSP	LCFL	0	0	0	0	0	0	-
SSP	Agri Tech Limited (PAFL)	1,310	5,553	7,015	8218	7731	5450.5	35,278
SSP	Suraj Fertilizer	1,641	3,032	1,966	2305	1724	2364	13,032
SSP	Safi chemicals	0	200	600	400	500	400	2,100
<b>SSP</b>	<b>TOTAL</b>	<b>2,951</b>	<b>8,785</b>	<b>9,581</b>	<b>10,923</b>	<b>9,955</b>	<b>8,215</b>	<b>50,409</b>
DAP	Imported	24,256	104,378	45,107	100,601	93,501	122,708	490,550
DAP	FFC	21,913	68,855	23,073	92,817	93,031	98,424	398,113
<b>DAP</b>	<b>TOTAL</b>	<b>46,169</b>	<b>173,233</b>	<b>68,180</b>	<b>193,418</b>	<b>186,532</b>	<b>221,132</b>	<b>888,663</b>
TSP	Imported	-	-	-	-	-	-	-
SOP	Pacific	995	770	920	243	-	835	3,763
SOP	Imported	4,188	2,546	3,385	5,398	6,611	4,334	26,461
<b>SOP</b>	<b>Total</b>	<b>5,183</b>	<b>3,316</b>	<b>4,305</b>	<b>5,641</b>	<b>6,611</b>	<b>5,169</b>	<b>30,223</b>
MAP	Imported	953	708	182	128	1,137	5,141	8,249
MOP	Imported	3,063	1,699	2,254	5,008	9,452	3,549	25,024
NPKs	EFERT	2,281	3,683	3,684	6,581	9,897	14,393	40,519
NPKs	Safi chemicals	-	-	-	-	-	-	-
AS	Imported	10,254	6,542	7,696	2,726	3,092	3,342	33,654
	<b>GRAND TOTAL</b>	<b>547,542</b>	<b>818,000</b>	<b>920,128</b>	<b>987,870</b>	<b>1,041,115</b>	<b>842,435</b>	<b>5,157,089</b>
	NITROGEN	192,760	292,992	364,996	356,873	374,301	289,326	1,871,247
	PHOSPHATE	42,154	90,088	42,223	106,328	110,005	122,914	513,712
	POTASH	4,797	3,363	4,195	6,919	10,632	7,161	37,068
	<b>TOTAL</b>	<b>239,710</b>	<b>386,443</b>	<b>411,414</b>	<b>470,120</b>	<b>494,938</b>	<b>419,402</b>	<b>2,422,027</b>

**MONTH-WISE PRODUCT-WISE OFFTAKE DURING KHARIF 2021 AND 2021  
(KHARIF 2022)**

		(Tonnes)						
<b>Products</b>	<b>Sources</b>	<b>APRIL</b>	<b>MAY</b>	<b>JUNE</b>	<b>JULY</b>	<b>AUGUST</b>	<b>SEPTEMBER</b>	<b>TOTAL</b>
UREA	Imported	-	265	14,149	74,748	11,024	-	100,186
UREA	FFC	215,626	216,778	354,921	170,379	219,268	236,981	1,413,953
UREA	DHCL	-	-	-	-	-	-	-
UREA	PAK-ARAB	6,543	4,676	10,971	14,318	10,785	9,661	56,955
UREA	EFERT	157,176	151,031	240,304	86,545	174,504	163,502	973,062
UREA	Agri Tech Limited (PAFL)	21,079	16,976	29,348	31,372	43,581	28,597	170,953
UREA	Fatima Fertilizer Company	58,528	27,794	87,277	85,446	93,187	69,181	421,413
<b>UREA</b>	<b>TOTAL</b>	<b>458,952</b>	<b>417,521</b>	<b>736,970</b>	<b>462,808</b>	<b>552,349</b>	<b>507,922</b>	<b>3,136,521</b>
CAN	PAK ARAB	30,248	27,228	27,828	28,227	30,672	12,135	156,338
CAN	Fatima Fertilizer	27,155	24,163	49,326	48,228	45,972	29,184	224,027
<b>CAN</b>	<b>TOTAL</b>	<b>57,402</b>	<b>51,391</b>	<b>77,154</b>	<b>76,455</b>	<b>76,644</b>	<b>41,319</b>	<b>380,365</b>
NP	Imported	-	-	-	-	-	-	-
NP	PAK ARAB	25,488	32,628	24,925	29,471	11,101	15,138	138,751
NP	EFERT	5,042	7,739	5,738	3,170	1,536	595	23,820
NP	Fatima Fertilizer	41,403	28,719	25,631	37,569	5,310	16,955	155,587
<b>NP</b>	<b>TOTAL</b>	<b>71,933</b>	<b>69,086</b>	<b>56,294</b>	<b>70,210</b>	<b>17,947</b>	<b>32,688</b>	<b>318,158</b>
SSP	Imported	-	-	-	-	-	-	-
SSP	LCFL	-	-	-	-	-	-	-
SSP	Agri Tech Limited (PAFL)	3,573	4,886	5,722	4,113	2,601	5,969	26,863
SSP	Suraj Fertilizer	625	1,423	1,471	1,265	379	1,003	6,166
SSP	Safi chemicals	80	120	40	30	20	30	320
<b>SSP</b>	<b>TOTAL</b>	<b>4,278</b>	<b>6,429</b>	<b>7,232</b>	<b>5,408</b>	<b>3,000</b>	<b>7,002</b>	<b>33,349</b>
DAP	Imported	59,766	39,459	39,174	27,980	14,452	43,770	224,601
DAP	FFC	35,465	54,924	106,326	39,137	11,553	18,864	266,269
<b>DAP</b>	<b>TOTAL</b>	<b>95,231</b>	<b>94,383</b>	<b>145,500</b>	<b>67,117</b>	<b>26,005</b>	<b>62,634</b>	<b>490,870</b>
TSP	Imported	-	-	-	-	-	-	-
SOP	Pacific	589	558	870	-	325	939	3,281
SOP	Imported	284	587	461	183	217	1,069	2,800
<b>SOP</b>	<b>Total</b>	<b>873</b>	<b>1,144</b>	<b>1,330</b>	<b>183</b>	<b>542</b>	<b>2,008</b>	<b>6,081</b>
MAP	Imported	465	2,202	380	189	120	153	3,509
MOP	Imported	2,703	2,192	2,306	1,248	7	1,288	9,744
NPKs	EFERT	3,700	4,514	5,197	3,890	2,400	2,963	22,664
NPKs	Safi chemicals	-	-	-	-	-	-	-
AS	Imported	860	2,722	3,291	644	623	678	8,818
	<b>GRAND TOTAL</b>	<b>696,396</b>	<b>651,584</b>	<b>1,035,654</b>	<b>688,152</b>	<b>679,637</b>	<b>658,655</b>	<b>4,410,078</b>
	NITROGEN	259,674	238,895	398,933	261,614	283,208	263,655	1,705,980
	PHOSPHATE	59,952	60,490	80,724	46,714	17,173	38,269	303,322
	POTASH	2,686	2,721	3,024	1,477	691	2,331	12,930
	<b>TOTAL</b>	<b>322,312</b>	<b>302,106</b>	<b>482,682</b>	<b>309,805</b>	<b>301,073</b>	<b>304,255</b>	<b>2,022,232</b>

## FERTILIZER SUPPLY / DEMAND SITUATION DURING KHARIF 2022

(Tonnes)				
DESCRIPTION	NITROGEN	PHOSPHATE	POTASH	TOTAL
Opening Balance	217,264	196,380	16,012	429,656
Domestic production	1,751,176	317,439	11,363	2,079,979
Imports	81,390	85,302	6,541	173,233
<b>Total Availability</b>	<b>2,049,831</b>	<b>599,121</b>	<b>33,916</b>	<b>2,682,868</b>
Offtake	1,705,980	303,322	12,930	2,022,232
Export	-	-	-	-
Adjustment (+/-)	-5772	18085	-1977	10337
<b>National Inventory</b>	<b>338,079</b>	<b>313,884</b>	<b>19,009</b>	<b>670,973</b>

## PRODUCT WISE SUPPLY DEMAND SITUATION DURING KHARIF 2022

Description	(Tonnes)											
	UREA	CAN	NP	SSP	DAP	TSP	SOP	NPK's	MOP	MAP	AS	TOTAL
Opening Balance	199,979	5,175	340,323	10,310	276,388	-	11,190	7,773	14,780	4,994	9,219	880,131
Domestic production	3,156,621	429,724	456,562	38,776	450,883	0	9,854	37,691	0	0	0	4,580,111
Imports	102,614	0	0	0	185,439	0	13,082	0	0	0	3,851	304,986
<b>Total Availability</b>	<b>3,459,214</b>	<b>434,899</b>	<b>796,885</b>	<b>49,086</b>	<b>912,710</b>	<b>-</b>	<b>34,127</b>	<b>45,464</b>	<b>14,780</b>	<b>4,994</b>	<b>13,070</b>	<b>5,765,228</b>
Offtake	3,136,521	380,365	318,158	33,349	490,870	0	6,081	22,664	9,744	3,509	8,818	4,410,079
Export	-	-	-	-	-	-	-	-	-	-	-	-
Adjustment (+)(-)	-28,704	124	1,527	-1	38,538	0	-5,702	204	1,404	-131	551	7,810
<b>National Inventory</b>	<b>293,988</b>	<b>54,658</b>	<b>480,254</b>	<b>15,735</b>	<b>460,378</b>	<b>0</b>	<b>22,344</b>	<b>23,004</b>	<b>6,440</b>	<b>1,355</b>	<b>4,802</b>	<b>1,362,959</b>

## FERTILIZER PRODUCTION BY PRODUCT AND MANUFACTURER DURING RABI 2021-22 AND RABI 2022-23

(RABI 2021-22)

		(Tonnes)						
Products	Sources	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	TOTAL
UREA	Fatimafert (DHCL)	45,414	43,656	41,802	43,586	30,973	45,157	250,588
UREA	EFERT	166,986	187,870	189,698	196,836	172,949	198,188	1,112,527
UREA (PAFL)	Agri Tech (Pvt.) Limited	33,613	32,309	35,251	30,513	30,225	32,666	194,577
UREA	PAK ARAB	1,530	2,444	10,560	10,604	9,796	10,620	45,554
UREA (PSFL)	FFC	75,591	73,469	73,713	77,786	69,826	77,179	447,564
UREA (PRILLED)	FFC	134,090	142,248	141,387	131,282	133,320	145,202	827,529
UREA (GRANULAR)	FFBL	43,714	42,981	30,648	34,479	39,134	47,418	238,374
UREA	FATIMA	38,288	7,865	33,608	39,524	33,611	39,823	192,719
<b>UREA</b>	<b>TOTAL</b>	<b>539,226</b>	<b>532,842</b>	<b>556,667</b>	<b>564,610</b>	<b>519,834</b>	<b>596,253</b>	<b>3,309,432</b>
CAN	PAK ARAB	33,626	30,369	35,725	29,308	28,190	28,376	185,594
CAN	FATIMA	43,493	12,500	38,729	44,532	39,711	43,422	222,387
<b>CAN</b>	<b>TOTAL</b>	<b>77,119</b>	<b>42,869</b>	<b>74,454</b>	<b>73,840</b>	<b>67,901</b>	<b>71,798</b>	<b>407,981</b>
NP	PAK ARAB	35,890	28,900	26,936	31,135	26,950	29,350	179,161
NP	EFERT	5,688	7,990	6,127	6,823	5,806	4,805	37,239
NP	Fatima Fertilizer Company	42,969	11,636	25,742	46,249	40,205	44,120	210,921
<b>NP</b>	<b>TOTAL</b>	<b>84,547</b>	<b>48,526</b>	<b>58,805</b>	<b>84,207</b>	<b>72,961</b>	<b>78,275</b>	<b>427,321</b>
SSP (J. WAL 18%)	LCFL	-	-	-	-	-	-	-
SSP (H. PUR 18%)	Agri Tech (Pvt.) Limited	7,776	7,809	4,151	5,035	2,626	6,097	33,494
SSP	Suraj Fertilizer	6,068	2,830	369	16	1,808	2,563	13,654
SSP	Safi Group	600	300	300	-	100	80	1,380
<b>SSP</b>	<b>TOTAL</b>	<b>14,444</b>	<b>10,939</b>	<b>4,820</b>	<b>5,051</b>	<b>4,534</b>	<b>8,740</b>	<b>48,528</b>
DAP	FFC	74,759	74,444	75,955	74,791	70,371	77,269	447,589
SOP	Pacific	910	810	1,858	1,555	1,502	1,413	8,048
NPK	EFERT	10,840	7,792	1,100	7,016	6,192	9,613	42,553
NPK	Safi Group	-	-	-	-	-	-	-
	<b>GRAND TOTAL</b>	<b>801,845</b>	<b>718,221</b>	<b>773,659</b>	<b>811,070</b>	<b>743,295</b>	<b>843,361</b>	<b>4,691,451</b>
	NITROGEN	302,081	281,638	302,754	312,499	286,877	325,920	1,811,769
	PHOSPHATE	58,928	48,990	49,497	56,101	50,965	56,919	321,400
	POTASH	2,406	1,852	1,149	2,089	1,875	2,540	11,910
	<b>TOTAL</b>	<b>363,415</b>	<b>332,479</b>	<b>353,400</b>	<b>370,689</b>	<b>339,718</b>	<b>385,379</b>	<b>2,145,079</b>

Continued....

## FERTILIZER PRODUCTION BY PRODUCT AND MANUFACTURER DURING RABI 2021-22 AND RABI 2022-23

(RABI 2022-23)

		(Tonnes)						
PRODUCTS	SOURCES	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	TOTAL
UREA	Fatimafert (DHCL)	44,272	39,288	44,813	2,160	-	-	130,533
UREA	EFERT	125,350	81,389	179,924	202,914	185,299	187,669	962,545
UREA (PAFL)	Agri Tech (Pvt.) Limited	32,889	27,483	30,005	1,753	-	4,276	96,406
UREA	PAK ARAB	10,894	8,650	8,820	2,930	-	1,244	32,538
UREA (PSFL)	FFC	77,799	75,087	77,231	75,230	67,343	61,782	434,472
UREA (PRILLED)	FFC	94,326	133,462	138,320	147,781	133,355	147,872	795,116
UREA (GRANULAR)	FFBL	40,989	41,696	54,079	4,370	29,313	55,629	226,076
UREA	FATIMA	41,507	39,915	43,163	42,137	39,466	43,570	249,758
<b>UREA</b>	<b>TOTAL</b>	<b>468,026</b>	<b>446,970</b>	<b>576,355</b>	<b>479,275</b>	<b>454,776</b>	<b>502,042</b>	<b>2,927,444</b>
CAN	PAK ARAB	32,014	29,394	28,882	22,769	-	11,072	124,131
CAN	FATIMA	42,976	42,488	44,570	41,388	40,419	45,596	257,437
<b>CAN</b>	<b>TOTAL</b>	<b>74,990</b>	<b>71,882</b>	<b>73,452</b>	<b>64,157</b>	<b>40,419</b>	<b>56,668</b>	<b>381,568</b>
NP	PAK ARAB	32,112	31,054	35,358	24,451	-	7,271	130,246
NP	EFERT	9,040	10,450	-	-	-	6,050	25,540
NP	Fatima Fertilizer Company	43,815	37,697	40,076	37,903	30,186	28,995	218,672
<b>NP</b>	<b>TOTAL</b>	<b>84,967</b>	<b>79,201</b>	<b>75,434</b>	<b>62,354</b>	<b>30,186</b>	<b>42,316</b>	<b>374,458</b>
SSP (J. WAL 18%)	LCFL	-	-	-	-	-	-	-
SSP (H. PUR 18%)	Agri Tech (Pvt.) Limited	6,546	6,563	7,027	3,959	3,124	8,504	35,723
SSP	Suraj Fertilizer	3,250	1,095	-	-	-	-	4,345
SSP	Safi Group	30	-	-	-	-	-	30
<b>SSP</b>	<b>TOTAL</b>	<b>9,826</b>	<b>7,658</b>	<b>7,027</b>	<b>3,959</b>	<b>3,124</b>	<b>8,504</b>	<b>40,098</b>
DAP	FFC	76,672	66,637	31,220	-	14,347	37,530	226,406
SOP	Pacific	1,247	30	-	205	794	912	3,188
NPK	EFERT	4,550	-	-	2,900	-	4,263	11,713
NPK	Safi Group	-	-	-	-	-	-	-
	<b>GRAND TOTAL</b>	<b>720,278</b>	<b>672,378</b>	<b>763,488</b>	<b>612,850</b>	<b>543,646</b>	<b>652,235</b>	<b>3,964,875</b>
	NITROGEN	268,588	254,506	307,190	251,721	229,231	262,673	1,573,909
	PHOSPHATE	57,627	50,248	32,976	15,576	14,105	29,167	199,698
	POTASH	1,442	15	-	537	397	1,308	3,700
	<b>TOTAL</b>	<b>327,657</b>	<b>304,769</b>	<b>340,166</b>	<b>267,834</b>	<b>243,733</b>	<b>293,148</b>	<b>1,777,307</b>

## FERTILIZER IMPORTS DURING RABI 2021-22 AND RABI 2022-23

(RABI 2021-22)

MONTH	Urea	DAP	NP	SOP	MOP	AS	TSP	MAP	TOTAL PRODUCTS	(Tonnes)			TOTAL PRODUCTS
										NITROGEN	PHOSPHATE	POTASH	
OCTOBER	-	274,276	-	2,248	7,339	5,158	-	7,000	296,021	51,153	129,667	5,528	186,347
NOVEMBER	-	30,736	-	5,974	17,976	-	-	8,800	63,486	6,412	18,539	13,773	38,724
DECEMBER	-	-	-	1,722	523	-	-	-	2,245	0	0	1,175	1,175
JANUARY	-	54,863	-	1,075	-	1,500	-	-	57,438	10,190	25,237	538	35,965
FEBRUARY	50,298	15,725	-	632	14	-	-	-	66,669	25,968	7,234	324	33,525
MARCH	49,900	18,700	-	182	1,500	964	-	-	71,246	26,522	8,602	991	36,115
<b>TOTAL</b>	<b>100,198</b>	<b>394,300</b>	<b>-</b>	<b>11,833</b>	<b>27,352</b>	<b>7,622</b>	<b>-</b>	<b>15,800</b>	<b>557,105</b>	<b>120,246</b>	<b>189,278</b>	<b>22,328</b>	<b>331,851</b>

(RABI 2022-23)

MONTH	Urea	DAP	NP	SOP	MOP	AS	TSP	MAP	TOTAL PRODUCTS	(Tonnes)			TOTAL PRODUCTS
										NITROGEN	PHOSPHATE	POTASH	
OCTOBER	102,157	27,500	-	8,990	-	960	-	300	139,907	52,174	12,800	4,495	69,469
NOVEMBER	-	239,053	-	-	-	1,061	-	-	240,114	43,252	109,964	-	153,217
DECEMBER	194,800	20	-	450	-	-	-	-	195,270	89,612	9	225	89,846
JANUARY	-	7,615	-	2	-	500	-	-	8,117	1,476	3,503	1	4,980
FEBRUARY	-	-	-	-	-	1,012	-	-	1,012	213	0	-	213
MARCH	-	27,600	-	-	-	2,040	300	-	29,940	5,396	12,834	-	18,230
<b>TOTAL</b>	<b>296,957</b>	<b>301,788</b>	<b>-</b>	<b>9,442</b>	<b>-</b>	<b>5,573</b>	<b>300</b>	<b>300</b>	<b>614,360</b>	<b>192,122</b>	<b>139,110</b>	<b>4,721</b>	<b>335,954</b>

**MONTH WISE AND PRODUCT WISE OFFTAKE DURING RABI 2021-22 AND 2022-23**  
**(RABI 2021-22)**

									(Tonnes)
PRODUCTS	SOURCES	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	TOTAL	
UREA	Imported	-	-	-	-	-	-	-	
UREA	FFC	247,649	264,263	263,909	258,297	251,632	237,990	1,523,740	
UREA	DHCL	-	-	-	-	-	-	-	
UREA	PAK ARAB	5,965	5,223	10,477	10,528	9,674	10,926	52,793	
UREA	EFERT	161,488	200,963	189,435	208,732	169,755	170,565	1,100,938	
UREA	Agritech	25,760	33,770	47,275	30,560	30,295	26,585	194,245	
UREA	Fatima	73,027	69,816	87,636	89,677	65,487	62,672	448,315	
<b>UREA</b>	<b>TOTAL</b>	<b>513,890</b>	<b>574,034</b>	<b>598,732</b>	<b>597,794</b>	<b>526,843</b>	<b>508,738</b>	<b>3,320,030</b>	
CAN	PAK ARAB	39,861	37,644	37,414	29,413	28,339	29,311	201,981	
CAN	Fatima	66,495	14,713	39,527	46,599	41,598	39,396	248,327	
<b>CAN</b>	<b>TOTAL</b>	<b>106,356</b>	<b>52,356</b>	<b>76,941</b>	<b>76,012</b>	<b>69,937</b>	<b>68,706</b>	<b>450,308</b>	
NP	Imported	-	-	-	-	-	-	-	
NP	PAK-ARAB	32,518	22,719	15,199	9,581	31,873	12,959	124,849	
NP	EFERT	5,855	7,378	2,627	11,306	4,009	2,435	33,610	
NP	Fatima Fertilizer Company	81,297	57,895	47,368	27,523	28,948	20,638	263,668	
<b>NP</b>	<b>TOTAL</b>	<b>119,670</b>	<b>87,992</b>	<b>65,194</b>	<b>48,409</b>	<b>64,830</b>	<b>36,032</b>	<b>422,127</b>	
SSP	Imported	-	-	-	-	-	-	-	
SSP	LCFL	-	-	-	-	-	-	-	
SSP	Agritech	16,333	12,531	5,965	2,013	2,004	2,348	41,194	
SSP	Suraj Fertilizer	10,225	4,231	422	17	1,131	759	16,787	
SSP	Safi Chemicals	650	800	400	190	80	70	2,190	
<b>SSP</b>	<b>TOTAL</b>	<b>27,208</b>	<b>17,562</b>	<b>6,787</b>	<b>2,220</b>	<b>3,215</b>	<b>3,177</b>	<b>60,171</b>	
DAP	IMPORTED	224,693	139,320	39,245	50,822	40,520	41,933	536,533	
DAP	FFC	117,594	80,551	77,300	62,001	14,841	37,708	389,995	
<b>DAP</b>	<b>TOTAL</b>	<b>342,287</b>	<b>219,871</b>	<b>116,545</b>	<b>112,823</b>	<b>55,361</b>	<b>79,641</b>	<b>926,528</b>	
TSP	Imported	-	-	-	-	-	-	-	
SOP	Pacific	1,078	765	1,957	1,618	665	747	6,829	
SOP	Imported	5,450	3,282	2,298	1,739	1,608	572	14,949	
<b>SOP</b>	<b>TOTAL</b>	<b>6,528</b>	<b>4,047</b>	<b>4,255</b>	<b>3,357</b>	<b>2,273</b>	<b>1,318</b>	<b>21,778</b>	
MAP	Imported	7,725	1,548	197	2,814	804	597	13,683	
MOP	Imported	7,095	7,368	4,370	5,603	2,575	4,152	31,163	
NPKs	EFERT	13,946	6,127	1,883	5,681	8,417	7,791	43,845	
NPKs	Safi Group	-	-	-	-	-	-	-	
AS	Imported	2,447	2,964	3,259	4,815	886	2,163	16,534	
	<b>GRAND TOTAL</b>	<b>1,147,153</b>	<b>973,869</b>	<b>878,163</b>	<b>859,528</b>	<b>735,140</b>	<b>712,315</b>	<b>5,306,168</b>	
	NITROGEN	355,984	338,927	332,306	328,146	286,546	278,144	1,920,053	
	PHOSPHATE	196,907	126,599	70,294	65,934	42,879	49,514	552,127	
	POTASH	10,079	7,586	5,106	6,130	4,193	4,636	37,730	
	<b>TOTAL</b>	<b>562,970</b>	<b>473,112</b>	<b>407,705</b>	<b>400,210</b>	<b>333,618</b>	<b>332,294</b>	<b>2,509,910</b>	

## MONTH WISE AND PRODUCT WISE OFFTAKE DURING RABI 2021-22 AND 2022-23

(RABI 2022-23)

		(Tonnes)						
PRODUCTS	SOURCES	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	TOTAL
UREA	Imported	-	34,325	147,879	141,967	48,040	22,688	394,899
UREA	FFC	233,472	272,801	277,352	221,315	227,848	269,716	1,502,504
UREA	DHCL	-	-	-	2,140	-	-	2,140
UREA	PAK ARAB	6,131	13,369	9,829	2,896	-	1,220	33,445
UREA	EFERT	97,115	95,649	220,501	215,414	186,674	148,526	963,879
UREA	Agritech	23,582	38,569	30,890	2,630	803	1,945	98,419
UREA	Fatima	69,343	128,353	146,754	44,914	39,397	45,135	473,896
<b>UREA</b>	<b>TOTAL</b>	<b>429,643</b>	<b>583,066</b>	<b>833,205</b>	<b>631,276</b>	<b>502,762</b>	<b>489,230</b>	<b>3,469,182</b>
CAN	PAK ARAB	15,453	24,028	80,333	23,040	-	9,754	152,608
CAN	Fatima	41,245	49,242	62,974	43,569	41,264	45,852	284,146
<b>CAN</b>	<b>TOTAL</b>	<b>56,698</b>	<b>73,270</b>	<b>143,307</b>	<b>66,609</b>	<b>41,264</b>	<b>55,606</b>	<b>436,754</b>
NP	Imported	-	-	-	-	-	-	-
NP	PAK-ARAB	18,624	34,579	61,825	23,294	35,446	10,014	183,782
NP	EFERT	1,447	6,237	12,157	8,154	5,219	5,303	38,517
NP	Fatima Fertilizer Company	18,392	49,907	70,558	32,637	54,754	21,638	247,886
<b>NP</b>	<b>TOTAL</b>	<b>38,463</b>	<b>90,723</b>	<b>144,540</b>	<b>64,085</b>	<b>95,419</b>	<b>36,955</b>	<b>470,185</b>
SSP	Imported	-	-	-	-	-	-	-
SSP	LCFL	-	-	-	-	-	-	-
SSP	Agritech	5,639	7,939	7,332	3,843	4,813	1,010	30,576
SSP	Suraj Fertilizer	1,188	199	3	255	-	50	1,695
SSP	Safi Chemicals	20	30	-	-	-	-	50
<b>SSP</b>	<b>TOTAL</b>	<b>6,847</b>	<b>8,168</b>	<b>7,335</b>	<b>4,098</b>	<b>4,813</b>	<b>1,060</b>	<b>32,321</b>
DAP	Imported	38,332	101,322	45,599	42,030	46,845	28,356	302,484
DAP	FFC	33,128	135,083	111,920	53,816	50,762	22,882	407,591
<b>DAP</b>	<b>TOTAL</b>	<b>71,460</b>	<b>236,405</b>	<b>157,519</b>	<b>95,846</b>	<b>97,607</b>	<b>51,238</b>	<b>710,075</b>
TSP	Imported	-	-	-	-	-	300	300
SOP	Pacific	910	366	438	1,969	2,080	2,005	7,768
SOP	Imported	798	490	106	6,464	6,052	2,127	16,037
<b>SOP</b>	<b>TOTAL</b>	<b>1,708</b>	<b>856</b>	<b>544</b>	<b>8,433</b>	<b>8,132</b>	<b>4,132</b>	<b>23,805</b>
MAP	Imported	261	577	111	511	116	98	1,675
MOP	Imported	235	28	209	1,910	775	2,776	5,933
NPKs	EFERT	3,261	699	157	3,639	10,868	4,674	23,298
NPKs	Safi Group	-	-	-	-	-	-	-
AS	Imported	996	798	751	1,197	2,470	1,295	7,506
	<b>GRAND TOTAL</b>	<b>609,572</b>	<b>994,590</b>	<b>1,287,678</b>	<b>877,604</b>	<b>764,226</b>	<b>647,364</b>	<b>5,181,034</b>
	NITROGEN	234,679	350,991	482,319	340,418	283,160	260,271	1,951,838
	PHOSPHATE	43,721	131,502	107,113	60,471	69,814	35,626	448,247
	POTASH	1,610	581	427	6,067	6,472	4,608	19,766
	<b>TOTAL</b>	<b>280,010</b>	<b>483,074</b>	<b>589,858</b>	<b>406,956</b>	<b>359,446</b>	<b>300,505</b>	<b>2,419,850</b>

## NUTRIENT WISE SUPPLY/DEMAND SITUATION DURING RABI 2022-23

(Tonnes)				
DESCRIPTION	NITROGEN	PHOSPHATE	POTASH	TOTAL
Opening Balance	338,079	313,884	19,009	670,973
Domestic production	1,573,909	199,698	3,700	1,777,307
Imports	192,122	139,110	4,721	335,954
<b>Total Availability</b>	<b>2,104,110</b>	<b>652,692</b>	<b>27,430</b>	<b>2,784,233</b>
Offtake	1,951,838	448,247	19,766	2,419,850
Export	-	-	-	-
Adjustment (+/-)	9,901	-717	5,139	14,322
<b>National Inventory</b>	<b>162,173</b>	<b>203,728</b>	<b>12,803</b>	<b>378,705</b>

## PRODUCT WISE SUPPLY DEMAND SITUATION DURING RABI 2022-23

(Tonnes)

DESCRIPTION	UREA	CAN	NP	SSP	DAP	TSP	SOP	NPK's	MOP	MAP	AS	TOTAL
Opening Balance	293,988	54,658	480,254	15,735	460,379	-	22,343	23,004	6,440	1,355	4,802	1,362,959
Domestic production	2,927,444	381,568	374,458	40,098	226,406	0	3,188	11,713	0	0	0	3,964,875
Imports	296,957	0	0	0	301,788	300	9,442	0	0	300	5,573	614,360
<b>Total Availability</b>	<b>3,518,389</b>	<b>436,226</b>	<b>854,712</b>	<b>55,833</b>	<b>988,574</b>	<b>300</b>	<b>34,973</b>	<b>34,717</b>	<b>6,440</b>	<b>1,655</b>	<b>10,375</b>	<b>5,942,193</b>
Offtake	3,469,182	436,754	470,185	32,321	710,075	300	23,805	23,298	5,933	1,675	7,506	5,181,034
Export	-	-	-	-	-	-	-	-	-	-	-	-
Adjustment (+/-)	19,940	1,949	3,074	-139	-3,846	-	3,998	1,750	4,710	70	-69	31,438
<b>National Inventory</b>	<b>69,147</b>	<b>1,420</b>	<b>387,601</b>	<b>23,373</b>	<b>274,653</b>	<b>0</b>	<b>15,165</b>	<b>13,169</b>	<b>5,217</b>	<b>50</b>	<b>2,801</b>	<b>792,596</b>

## AGGREGATED MARKET SHARE OF VARIOUS FERTILIZER DISTRIBUTION AGENCIES DURING 2022-23

(Tonnes)

SECTOR / AGENCIES	UREA	CAN	NP	SSP	DAP	NPKs	TSP	SOP	MOP	MAP	AS	TOTAL
NFML	485,024	-	-	-	-	-	-	-	-	-	-	485,024
<b>Total Public Sector</b>	<b>485,024</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>485,024</b>
FFC	2,838,273	-	-	-	694,504	-	-	9,940	-	-	-	3,542,717
EFERT	1,872,040	-	52,690	-	238,589	35,916	-	5,427	4,542	1,784	773	2,211,761
Fatima Fert. (DHCL)	91,110	-	-	-	-	-	-	-	-	-	-	91,110
PAK ARAB	91,223	321,205	362,563	-	944	-	-	-	-	-	-	775,934
Agri Tech (Pvt.) Limited	272,339	-	-	59,594	-	-	-	-	-	-	-	331,933
Fatima Fertilizer Company Limited	819,983	519,671	440,524	-	38,403	-	-	-	-	-	-	1,818,581
LCFL (Al Hamd Group)	-	-	-	-	-	-	-	-	-	-	-	-
Suraj Fertilizers	-	-	-	5,015	-	-	-	-	-	-	-	5,015
Safi Chemicals	-	-	-	130	-	-	-	-	-	-	-	130
Pacific Exim	-	-	-	-	29,010	-	-	12,766	1,533	-	448	43,757
Other Private Importers	-	-	-	-	139,223	-	300	4,470	3,867	663	13,637	162,160
<b>Total Private Sector</b>	<b>5,984,968</b>	<b>840,876</b>	<b>855,777</b>	<b>64,739</b>	<b>1,140,672</b>	<b>35,916</b>	<b>300</b>	<b>32,603</b>	<b>9,942</b>	<b>2,447</b>	<b>14,858</b>	<b>8,983,097</b>
<b>Grand Total</b>	<b>6,469,992</b>	<b>840,876</b>	<b>855,777</b>	<b>64,739</b>	<b>1,140,672</b>	<b>35,916</b>	<b>300</b>	<b>32,603</b>	<b>9,942</b>	<b>2,447</b>	<b>14,858</b>	<b>9,468,122</b>

## AGGREGATED MARKET SHARE OF VARIOUS FERTILIZER DISTRIBUTION AGENCIES DURING KHARIF 2022

SECTOR / AGENCIES	(Tonnes)											
	UREA	CAN	NP	SSP	DAP	NPKs	TSP	SOP	MOP	MAP	AS	TOTAL
NFML	100,186	-	-	-	-	-	-	-	-	-	-	100,186
<b>Total Public Sector</b>	<b>100,186</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>100,186</b>
FFC	1,413,954	-	-	-	297,866	-	-	446	-	-	-	1,712,266
EFERT	973,062	-	23,820	-	101,244	22,664	-	936	5,340	3,509	3,689	1,134,264
Fatima Fert. (DHCL)	-	-	-	-	-	-	-	-	-	-	-	-
PAK ARAB	56,955	156,338	138,751	-	1,301	-	-	-	-	-	-	353,344
Agri Tech (Pvt.) Limited	170,953	-	-	26,863	-	-	-	-	-	-	-	197,816
Fatima Fertilizer Company Limited	421,413	224,027	155,587	-	4,878	-	-	-	-	-	-	805,905
LCFL (Al Hamd Group)	-	-	-	-	-	-	-	-	-	-	-	-
Suraj Fertilizers	-	-	-	6,166	-	-	-	-	-	-	-	6,166
Safi Chemicals	-	-	-	320	-	-	-	-	-	-	-	320
Pacific Exim	-	-	-	-	27,954	-	-	3,281	133	-	103	31,470
Other Private Importers	-	-	-	-	57,627	-	-	1,419	4,271	-	5,026	68,342
<b>Total Private Sector</b>	<b>3,036,336</b>	<b>380,365</b>	<b>318,158</b>	<b>33,349</b>	<b>490,870</b>	<b>22,664</b>	<b>-</b>	<b>6,081</b>	<b>9,744</b>	<b>3,509</b>	<b>8,818</b>	<b>4,309,893</b>
<b>Grand Total</b>	<b>3,136,521</b>	<b>380,365</b>	<b>318,158</b>	<b>33,349</b>	<b>490,870</b>	<b>22,664</b>	<b>-</b>	<b>6,081</b>	<b>9,744</b>	<b>3,509</b>	<b>8,818</b>	<b>4,410,078</b>

## AGGREGATED MARKET SHARE OF VARIOUS FERTILIZER DISTRIBUTION AGENCIES DURING RABI 2022-23

SECTOR/ AGENCIES	(Tonnes)											
	UREA	CAN	NP	SSP	DAP	NPKs	TSP	SOP	MOP	MAP	AS	TOTAL
NFML	394,899	-	-	-	-	-	-	-	-	-	-	394,899
<b>Total Public Sector</b>	<b>394,899</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>394,899</b>
FFC	1,502,504	-	-	-	444,313	-	-	8,122	-	-	-	1,954,939
EFERT	963,879	-	38,517	-	134,263	23,298	-	4,048	580	1,269	427	1,166,281
Fatima Fert. (DHCL)	2,140	-	-	-	-	-	-	-	-	-	-	2,140
PAK ARAB	33,445	152,608	183,782	-	481	-	-	-	-	-	-	370,316
Agri Tech (Pvt.) Limited	98,419	-	-	30,576	-	-	-	-	-	-	-	128,995
Fatima Fertilizer Company Limited	473,896	284,146	247,886	-	27,887	-	-	-	-	-	-	1,033,815
LCFL (Al Hamd Group)	-	-	-	-	-	-	-	-	-	-	-	-
Suraj Fertilizers	-	-	-	1,695	-	-	-	-	-	-	-	1,695
Safi Chemicals	-	-	-	50	-	-	-	-	-	-	-	50
Pacific Exim	-	-	-	-	6,932	-	-	7,768	1,533	-	515	16,748
Other Private Importers	-	-	-	-	96,199	-	300	3,867	3,820	406	6,564	111,156
<b>Total Private Sector</b>	<b>3,074,283</b>	<b>436,754</b>	<b>470,185</b>	<b>32,321</b>	<b>710,075</b>	<b>23,298</b>	<b>300</b>	<b>23,805</b>	<b>5,933</b>	<b>1,675</b>	<b>7,506</b>	<b>4,786,135</b>
<b>Grand Total</b>	<b>3,469,183</b>	<b>436,754</b>	<b>470,185</b>	<b>32,321</b>	<b>710,075</b>	<b>23,298</b>	<b>300</b>	<b>23,805</b>	<b>5,933</b>	<b>1,675</b>	<b>7,506</b>	<b>5,181,035</b>

## COMPARATIVE FERTILIZER DEMAND ESTIMATES UPTO RABI 2023-24

(Tonnes)						
Months	Nitrogen	Phosphate	Potash	Total	Urea	DAP
Apr-22	259,674	59,952	2,686	322,312	458,952	95,231
May-22	238,895	60,490	2,721	302,106	417,521	94,383
Jun-22	398,933	80,724	3,024	482,682	736,970	145,499
Jul-22	261,614	46,714	1,477	309,805	462,808	67,117
Aug-22	283,208	17,173	691	301,073	552,349	26,005
Sep-22	263,655	38,269	2,331	304,255	507,922	62,634
<b>Kharif 2022</b>	<b>1,705,980</b>	<b>303,322</b>	<b>12,930</b>	<b>2,022,232</b>	<b>3,136,522</b>	<b>490,869</b>
Oct-22	234,679	43,721	1,610	280,010	429,643	71,459
Nov-22	350,991	131,502	581	483,074	583,066	236,405
Dec-22	482,319	107,113	427	589,858	833,205	157,519
Jan-23	340,418	60,471	6,067	406,956	631,276	95,846
Feb-23	283,160	69,814	6,472	359,446	502,761	97,607
Mar-23	260,271	35,626	4,608	300,505	489,231	51,238
<b>Rabi 2022-23</b>	<b>1,951,838</b>	<b>448,247</b>	<b>19,766</b>	<b>2,419,850</b>	<b>3,469,182</b>	<b>710,073</b>
Apr-23	224,419	33,659	1,931	260,008	408,297	50,764
May-23	261,756	48,229	1,749	311,733	459,087	65,950
Jun-23	357,390	101,359	816	459,566	610,348	158,127
<b>FY 2022-23</b>	<b>3,603,881</b>	<b>733,649</b>	<b>28,761</b>	<b>4,366,290</b>	<b>6,469,992</b>	<b>1,140,670</b>
Jul-23	343,289	65,036	2,333	410,658	629,375	112,559
Aug-23	429,550	186,347	7,795	623,692	650,243	263,002
Sep-23	314,462	65,844	3,318	383,624	564,160	105,668
<b>Kharif 2023</b>	<b>1,930,866</b>	<b>500,473</b>	<b>17,942</b>	<b>2,449,281</b>	<b>3,321,510</b>	<b>756,070</b>
Oct-23	260,601	86,115	2,609	349,325	458,826	158,865
Nov-23	380,043	160,832	2,249	543,124	610,860	278,271
Dec-23	495,276	99,290	3,517	598,082	807,869	168,290
Jan-23	295,742	54,361	4,679	354,782	605,874	96,731
Feb-23	267,865	57,134	5,709	330,708	464,231	80,624
Mar-23	229,810	53,331	4,941	288,082	387,649	92,349
<b>Rabi 2023-24</b>	<b>1,929,338</b>	<b>511,062</b>	<b>23,703</b>	<b>2,464,103</b>	<b>3,335,309</b>	<b>875,130</b>

## NUTRIENT (NPK) WISE FERTILIZER SUPPLY AND DEMAND PROJECTIONS UP TO 2027-28

('000 Nutrient Tonnes)

Year	Nitrogen (N)			Phosphate (P)			Potash (K)			Total Offtake/ Demand
	Production	Offtake/ Demand	Surplus/ Deficit	Production	Offtake/ Demand	Surplus/ Deficit	Domestic Supply	Offtake/ Demand	Surplus/ Deficit	
2022-23	3287	3604	-317	488	734	-246	13	29	-16	4,366
2023-24	3420	3892	-472	550	1023	-473	20	46	-26	4,961
2024-25	3420	3777	-357	550	1167	-617	20	60	-40	5,004
2025-26	3420	3871	-451	550	1225	-675	20	63	-43	5,160
2026-27	3420	3968	-548	550	1286	-736	20	66	-46	5,321
2027-28	3420	4067	-647	550	1351	-801	20	70	-50	5,488

Note: Note: The figures of 2023-23 are actual while the offtake figures of 2023-24 are estimates and from 2024-25 to 2027-28 are projections. The figures relating to production beyond 2023-24 show production capacity not the actual production.

## GAS CONSUMPTION BY PLANTS DURING 2021-22

(MMCF)

COMPANY	CONSUMPTION	JUL ' 21	AUG ' 21	SEP ' 21	OCT ' 21	NOV ' 21	DEC ' 21	JAN ' 22	FEB ' 22	MAR ' 22	APR ' 22	MAY ' 22	JUN ' 22	TOTAL
<b>Sui Northern Gas Pipelines Limited</b>														
Pak-Arab	Feed	-	-	-	-	-	-	-	-	-	-	-	-	-
	Fuel	1	2	2	2	3	4	4	3	2	2	1	1	27
Hazara Phosphate	Feed	-	-	-	-	-	-	-	-	-	-	-	-	-
	Fuel	3	3	5	5	5	3	3	2	3	3	2	2	39
EFERT Mari through SNGPL	Feed	3,228	3,244	1,023	3,047	3,129	3,266	3,222	2,869	3,238	3,119	3,134	2,593	35,112
	Fuel	280	280	103	271	264	283	286	251	280	279	280	235	3,092
	<b>Total</b>	<b>3,512</b>	<b>3,529</b>	<b>1,133</b>	<b>3,325</b>	<b>3,401</b>	<b>3,556</b>	<b>3,515</b>	<b>3,125</b>	<b>3,523</b>	<b>3,403</b>	<b>3,417</b>	<b>2,831</b>	<b>38,270</b>
<b>Oil and Gas Development Company Limited</b>														
EFERT	Feed	-	-	-	-	-	-	-	-	-	-	-	-	-
	Fuel	311	305	292	298	285	330	349	310	308	313	326	310	3,735
	<b>Total</b>	<b>311</b>	<b>305</b>	<b>292</b>	<b>298</b>	<b>285</b>	<b>330</b>	<b>349</b>	<b>310</b>	<b>308</b>	<b>313</b>	<b>326</b>	<b>310</b>	<b>3,735</b>
<b>Liquefied Natural Gas (LNG)</b>														
Agritech Limited	Feed	5	-	282	757	717	747	742	697	771	725	565	677	6,685
	Fuel	3	-	66	165	191	202	189	179	187	187	157	193	1,719
Fatimafert (DHCL)	Feed	13	-	233	1,104	1,076	1,058	1,074.00	812.00	1,111.00	1,070	803.00	935.00	9,289
	Fuel	20	9	98	281	267	283	266	198	262	282	209	225	2,400
	<b>Total</b>	<b>41</b>	<b>9</b>	<b>679</b>	<b>2,307</b>	<b>2,251</b>	<b>2,290</b>	<b>2,271</b>	<b>1,886</b>	<b>2,331</b>	<b>2,264</b>	<b>1,734</b>	<b>2,030</b>	<b>20,093</b>
<b>Sui Southern Gas Company Limited</b>														
FFBL	Feed	1,722	1,844	1,671	1,564	1,567	1,341	1,465	1,438	1,694	1,700	1,750	1,644	19,400
	Fuel	5.27	2.85	89.81	7.69	5.83	10.53	21.32	3.81	2.93	2.65	4.02	1.24	158
	<b>Total</b>	<b>1,728</b>	<b>1,846</b>	<b>1,761</b>	<b>1,572</b>	<b>1,573</b>	<b>1,352</b>	<b>1,486</b>	<b>1,442</b>	<b>1,697</b>	<b>1,703</b>	<b>1,754</b>	<b>1,645</b>	<b>19,558</b>
<b>Mari Gas Company Limited</b>														
EFERT	Feed	2,276	2,349	2,210	2,191	2,213	2,307	2,341	2,058	2,332	2,239	2,287	2,068	26,871
	Fuel	983.5	1,014	796	869	722	573	719	712	781	897	989	965	10,020
	<b>Total</b>	<b>3,259</b>	<b>3,362</b>	<b>3,006</b>	<b>3,061</b>	<b>2,935</b>	<b>2,880</b>	<b>3,060</b>	<b>2,770</b>	<b>3,113</b>	<b>3,137</b>	<b>3,275</b>	<b>3,033</b>	<b>36,891</b>
FFC-1& 2	Feed	4,440	4,457	4,298	4,422	4,326	4,486	4,402	4,055	4,495	4,346	4,431	4,319	52,478
	Fuel	1,076	1,087	970	953	916	942	919	900	992	1,022	1,037	979	11,792
	<b>Total</b>	<b>5,516</b>	<b>5,544</b>	<b>5,268</b>	<b>5,375</b>	<b>5,243</b>	<b>5,428</b>	<b>5,321</b>	<b>4,954</b>	<b>5,487</b>	<b>5,367</b>	<b>5,468</b>	<b>5,298</b>	<b>64,269</b>
FFC-III (MM)	Feed	2,430	2,440	2,362	2,455	2,384	2,483	2,488	2,255	2,487	2,399	2,475	2,372	29,029
	Fuel	395	342	435	417	381	381	407	387	427	456	466	466	4,960
	<b>Total</b>	<b>2,825</b>	<b>2,782</b>	<b>2,796</b>	<b>2,871</b>	<b>2,764</b>	<b>2,864</b>	<b>2,896</b>	<b>2,642</b>	<b>2,913</b>	<b>2,855</b>	<b>2,942</b>	<b>2,838</b>	<b>33,988</b>
Fatima Fertilizer	Feed	2,884	2,895	2,786	2,881	733	2,698	2,927	2,601	2,868	2,725	2,838	2,742	31,577
	Fuel	421	429	417	431	288	368	383	354	393	389	406	393	4,672
	<b>Total</b>	<b>3,305</b>	<b>3,324</b>	<b>3,202</b>	<b>3,311</b>	<b>1,021</b>	<b>3,066</b>	<b>3,310</b>	<b>2,955</b>	<b>3,261</b>	<b>3,113</b>	<b>3,245</b>	<b>3,135</b>	<b>36,249</b>
Pak-Arab	Feed	1,219	1,211	1,166	1,245	1,070	1,401	1,342	1,217	1,359	1,312	1,092	1,330	14,963
	Fuel	345	282	295	292	299	323	322	300	332	320	319	352	3,781
	<b>Total</b>	<b>1,564</b>	<b>1,493</b>	<b>1,460</b>	<b>1,537</b>	<b>1,369</b>	<b>1,723</b>	<b>1,664</b>	<b>1,517</b>	<b>1,691</b>	<b>1,632</b>	<b>1,411</b>	<b>1,682</b>	<b>18,744</b>
<b>Total</b>	Feed	18,217	18,439	16,030	19,666	17,214	19,787	20,004	18,002	20,354	19,635	19,375	18,680	225,403
	Fuel	3,843	3,757	3,568	3,991	3,627	3,701	3,868	3,599	3,969	4,152	4,196	4,123	46,394
<b>Grand Total</b>	<b>Total</b>	<b>22,060</b>	<b>22,196</b>	<b>19,598</b>	<b>23,657</b>	<b>20,841</b>	<b>23,488</b>	<b>23,872</b>	<b>21,601</b>	<b>24,323</b>	<b>23,787</b>	<b>23,571</b>	<b>22,803</b>	<b>271,797</b>

## GAS CONSUMPTION BY PLANTS DURING 2022-23

(MMCF)

COMPANY	CONSUMPTION	JUL' 22	AUG' 22	SEP' 22	OCT' 22	NOV' 22	DEC' 22	JAN' 23	FEB' 23	MAR' 23	APR' 23	MAY' 23	JUN' 23	TOTAL
<b>Sui Northern Gas Pipelines Limited</b>														
Pak-Arab	Feed	-	0	0	0	0	0	0	0	0	0	0	0	-
	Fuel	1	1	1	2	2	3	3	3	4	2	2	1	25
Fatimafert (DHCL)	Feed	-	-	-	-	-	-	-	-	162	1033	1155	966	3,317
	Fuel	-	-	-	-	-	-	-	-	19	226	229	214	688
Agritech	Feed	-	-	-	-	-	-	-	-	137	733	760	605	2,234
	Fuel	-	-	-	-	-	-	-	-	42	179	166	148	536
Hazara Phosphate	Feed	-	-	-	-	-	-	-	-	-	-	-	-	-
	Fuel	2	2	3	4	3	3	3	3	4	4	4	4	40
EFERT Mari through SNGPL	Feed	1,030	3,174	3,046	3,107	2,282	2,861	3,160	2,943	3,223	3,173	3,167	3,185	34,352
	Fuel	107	293	284	265	119	265	290	257	284	276	246	266	2,953
	<b>Total</b>	<b>1,140</b>	<b>3,470</b>	<b>3,334</b>	<b>3,378</b>	<b>2,407</b>	<b>3,132</b>	<b>3,456</b>	<b>3,206</b>	<b>3,876</b>	<b>5,626</b>	<b>5,729</b>	<b>5,389</b>	<b>44,144</b>
<b>Oil and Gas Development Company Limited</b>														
EFERT	Feed	-	-	-	-	-	-	-	-	-	-	-	-	-
	Fuel	258	237	227	58	95	227	280	228	248	233	220	238	2,548
	<b>Total</b>	<b>258</b>	<b>237</b>	<b>227</b>	<b>58</b>	<b>95</b>	<b>227</b>	<b>280</b>	<b>228</b>	<b>248</b>	<b>233</b>	<b>220</b>	<b>238</b>	<b>2,548</b>
<b>Liquefied Natural Gas (LNG)</b>														
Agritech Limited	Feed	1,096	1,104	1,046	1,121	996	1,141	82	-	-	-	-	-	6,587
	Fuel	260	260	250	278	249	239	47	19	7	-	-	-	1,610
Fatimafert (DHCL)	Feed	685	711	709	769	668	739	62	-	-	-	-	-	4,344
	Fuel	231	212	204	209	209	218	23	-	-	-	-	-	1,306
	<b>Total</b>	<b>2,272</b>	<b>2,288</b>	<b>2,209</b>	<b>2,377</b>	<b>2,122</b>	<b>2,337</b>	<b>214</b>	<b>19</b>	<b>7</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>13,847</b>
<b>Sui Southern Gas Company Limited</b>														
FFBL	Feed	1,784	1,681	1,454	1,444	1,558	1,450	144	816	1,450	1,420	1,437	1,152	15,789
	Fuel	2	1	13	3	2	1	42	14	9	1	166	67	322
	<b>Total</b>	<b>1,786</b>	<b>1,682</b>	<b>1,467</b>	<b>1,447</b>	<b>1,560</b>	<b>1,451</b>	<b>186</b>	<b>830</b>	<b>1,459</b>	<b>1,421</b>	<b>1,603</b>	<b>1,219</b>	<b>16,111</b>
<b>Mari Gas Company Limited</b>														
EFERT	Feed	2,021	2,052	1,771	20	499	2,430	2,454	2,211	2,067	2,382	924	2,381	21,211
	Fuel	885	1,037	1,050	521	696	881	850	745	828	798	761	836	9,887
	<b>Total</b>	<b>2,905</b>	<b>3,089</b>	<b>2,821</b>	<b>541</b>	<b>1,195</b>	<b>3,310</b>	<b>3,304</b>	<b>2,956</b>	<b>2,895</b>	<b>3,179</b>	<b>1,685</b>	<b>3,217</b>	<b>31,098</b>
FFC-1& 2	Feed	3,659	3,912	4,275	3,247	4,102	4,423	4,445	4,042	4,470	4,296	4,419	4,263	49,555
	Fuel	670	846	970	719	1,003	990	1,027	918	1,019	980	938	1,005	11,085
	<b>Total</b>	<b>4,329</b>	<b>4,758</b>	<b>5,245</b>	<b>3,966</b>	<b>5,104</b>	<b>5,413</b>	<b>5,472</b>	<b>4,960</b>	<b>5,490</b>	<b>5,276</b>	<b>5,357</b>	<b>5,269</b>	<b>60,639</b>
FFC-III (MM)	Feed	1,315	2,289	2,317	2,515	2,454	2,524	2,512	2,267	2,158	2,418	2,408	2,396	27,572
	Fuel	414	414	431	404	388	371	377	349	385	384	400	404	4,720
	<b>Total</b>	<b>1,730</b>	<b>2,703</b>	<b>2,748</b>	<b>2,919</b>	<b>2,841</b>	<b>2,895</b>	<b>2,889</b>	<b>2,616</b>	<b>2,543</b>	<b>2,802</b>	<b>2,808</b>	<b>2,799</b>	<b>32,293</b>
Fatima Fertilizer	Feed	2,851	2,828	2,783	2,874	2,800	2,907	2,928	2,575	2,885	2,801	2,176	2,801	33,208
	Fuel	409	407	405	399	374	414	418	432	448	461	410	398	4,975
	<b>Total</b>	<b>3,260</b>	<b>3,235</b>	<b>3,188</b>	<b>3,272</b>	<b>3,174</b>	<b>3,321</b>	<b>3,346</b>	<b>3,007</b>	<b>3,333</b>	<b>3,263</b>	<b>2,586</b>	<b>3,199</b>	<b>38,183</b>
Pak-Arab	Feed	1,387	1,402	1,383	1,366	1,316	1,348	902	0	539	1,251	1,323	1,275	13,490
	Fuel	365	375	344	335	316	332	254	58	212	312	298	305	3,506
	<b>Total</b>	<b>1,751</b>	<b>1,777</b>	<b>1,727</b>	<b>1,701</b>	<b>1,631</b>	<b>1,680</b>	<b>1,156</b>	<b>58</b>	<b>751</b>	<b>1,563</b>	<b>1,620</b>	<b>1,580</b>	<b>16,996</b>
<b>Total</b>	Feed	15,828	19,154	18,784	16,462	16,673	19,822	16,689	14,854	17,091	19,508	17,768	19,024	211,659
	Fuel	3,603	4,084	4,182	3,197	3,457	3,945	3,613	3,025	3,511	3,855	3,840	3,886	44,201
<b>Grand Total</b>	<b>Total</b>	<b>19,431</b>	<b>23,238</b>	<b>22,967</b>	<b>19,660</b>	<b>20,130</b>	<b>23,767</b>	<b>20,302</b>	<b>17,879</b>	<b>20,602</b>	<b>23,363</b>	<b>21,608</b>	<b>22,910</b>	<b>255,860</b>

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