

FERTILIZER REVIEW

2020-21

**GOVERNMENT OF PAKISTAN
MINISTRY OF NATIONAL FOOD SECURITY AND RESEARCH
NATIONAL FERTILIZER DEVELOPMENT CENTRE
STREET NO.1, SECTOR H-8/1,
ISLAMABAD**

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Fertilizer Review 2020-21

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FOREWORD

Fertilizer Review is a regular annual publication of National Fertilizer Development Centre (NFDC). The Review 2020-21 is a comprehensive document on fertilizer use covering details regarding domestic production, imports, total availability, offtake (national, provincial and district level), domestic and international price trend, economics of fertilizer use and fertilizer demand estimates for next five years.

The compilation of Review 2020-21 is mainly based on data provided by Government organizations, fertilizer manufacturers and fertilizer importers. It is hoped that information presented here would be useful for policy planners, extension workers, researchers, fertilizer marketing companies and other related agencies engaged in fertilizer use development.

The dedication and hard work of NFDC staff led by Mr. Abdul Jalil, Chief/Project Director deserve appreciation for compilation and interpretation of the data. Others who contributed to the preparation of the report included Mr. Sultan Muhammad and Dr. Saeed Akhtar, Deputy Chiefs, Dr. Muhammad Islam and Dr. Ahmad Ali Khan, Assistant Chiefs and Dr. Yasir Mehmood, Research Officer. Mr. Khurram Shahzad, Stenotypist deserves special appreciation for his hard work.

(Tahir Khurshid)
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	Fertilizer 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. Its contribution toward increase in crop yield is from 30 to 50 per cent while its share in cost of production is from 20 to 30 per cent. Therefore, monitoring of fertilizer supply demand and price situation is one of the core activities of National Fertilizer Development Centre (NFDC). The supply/demand situation in respect of major fertilizer products remained comfortable in term of availability during fiscal year 2020-21 and crop seasons of Kharif 2020 and Rabi 2020-21. The overall fertilizer product offtake increased by 11.7 per cent during the fiscal year 2020-21 as compared to 2019-20. Fertilizer offtake increased by 13.7 per cent during Kharif 2020 and by 15.3 per cent during Rabi 2020-21 over the same time frame of last year. Highlights of 2020-21 with regard to fertilizer sector along with outlook for the year 2021-22 are given below.

Fertilizer Supply

Overall fertilizer availability during 2020-21 was 5585 thousand nutrient tonnes, which witnessed an increase of 7.9 per cent over last year 2019-20. Total availability of nitrogen, phosphate and potash was 4047, 1454 and 84 thousand nutrient tonnes, respectively. Product-wise availability was; urea 6714, DAP 2526, and Nitrophos 1086 thousand product tonnes. Domestic production met about 82.1 per cent of the country's requirements during 2020-21. The deficit of 17.9 per cent between production and offtake was met through imports and carry over inventory.

Domestic Production

The total domestic production of all fertilizer products during 2020-21 was 9009 thousand tonnes compared to 8247 thousand tonnes during 2019-20, showing an increase of 9.2 per cent. Urea production during 2020-21 was 6301 thousand tonnes (6176 thousand tonnes in 2019-20) followed by NP 921, CAN 793, DAP 789, SSP 106, SOP 11 and NPK of various grades 87 thousand tonnes.

Domestic industry witnessed a positive trend in fertilizer production in nutrient terms. The production in nutrient terms increased from 3794 thousand tonnes during 2019-20 to 4092 thousand tonnes during 2020-21 showing an increase of 7.9 per cent. Nitrogen production was 3466 thousand tonnes and recorded an increase of 6.0 per cent (84.7 per cent share in total nutrients production), phosphate 605 thousand tonnes (14.8 per cent share in total nutrients production), which increased by 19.4 per cent. Potash production (in NPKs and SOP) was about 21.3 thousand tonnes (0.5 per cent share in total nutrients production) and recorded an increase of 27.4 per cent, over the same time frame of last year 2019-20.

In product terms, fertilizer production increased from 4266 thousand tonnes in Kharif 2019 to 4428 thousand tonnes during Kharif 2020. In nutrient terms, fertilizer production increased by 1.5 per cent from 1988 to 2017 thousand tonnes during Kharif 2020. Fertilizer industry experienced positive growth during Rabi 2020-21 as compared with Rabi 2019-20. In product terms, fertilizer production increased by 11 per cent from 3912 thousand tonnes to 4344 thousand tonnes while in nutrient terms, it increased by 9 per cent from 1802 thousand tonnes to 1964 thousand tonnes.

Fertilizer Imports

The fertilizer imports during 2020-21 were 1454 thousand product tonnes compared with 1490 thousand tonnes during 2019-20 showing a decrease of 2.4 per cent over the same time frame of last year. Product-wise imports were: DAP 1263, AS 92, SOP 36, MOP 54, and MAP 11 thousand tonnes. The fertilizer imports were entirely handled by the private sector during 2020-21.

Imports during Kharif 2020 were 658 thousand product tonnes against 532 thousand product tonnes during Kharif 2019, which represented an increase of 23.5 per cent. During Rabi 2020-21, imports were 587 thousand tonnes, against 919 thousand tonnes during Rabi 2019-20, witnessing a decrease of 36 per cent.

Fertilizer Offtake

Offtake of all nutrients during 2020-21 was 5008 thousand tonnes as compared to 4549 thousand tonnes in 2019-20, representing an increase of 10.1 per cent. Of this, nitrogen was 3711 thousand tonnes, phosphate 1228 thousand tonnes and potash 69.3 thousand tonnes. An increase of 8.7 per cent was observed in nitrogen, 13.3 per cent in phosphate and 38.1 per cent in potash offtake during 2020-21 as compared to same period of 2019-20.

The offtake of urea increased from 6015 thousand tonnes in 2019-20 to 6267 thousand tonnes in 2020-21, registering an increase of 4.2 per cent. The offtake of DAP increased from 1984 thousand tonnes in 2019-20 to 2170 thousand tonnes in 2020-21 registering upward trend of 9.4 per cent over last year. The offtake of other products during 2020-21 was: CAN 852, NP 786, NPK's 92, SSP 89, SOP 55, MOP 41, AS 101 and MAP 34 thousand tonnes.

Fertilizers (nutrients) Use Ratio

Nitrogen to phosphate use ratio was 3.02 during 2020-21. The agronomical recommended N to P ratio is 2:1. Potash use is still not developed and needs promotional activities.

Province-wise Offtake/Shares

Punjab's share in overall nutrient offtake was 69.2 per cent, Sindh 23.3 per cent, Khyber Pakhtunkhwa 4.2 per cent and Balochistan 3.3 per cent during 2020-21. The overall provincial share remained more or less the same as was during the preceding years.

Fertilizer Offtake per Hectare

At national level, average offtake of all nutrients per hectare of gross cropped area was 207 kg during 2020-21 (194 kg/ha during 2019-20).

Average fertilizer use in Sindh province was the highest at 293 kg/ha of gross cropped area, followed by Punjab and Balochistan (201 and 167 kg/ha). The fertilizer nutrient use was 123 kg/ha in KP, during 2020-21.

Fertilizer Supply/Demand Situation during Kharif 2020 and Rabi 2020-21

During Kharif 2020, overall product availability was about 6406 thousand tonnes, representing an increase of 11.0 per cent over Kharif 2019. Out of total availability, domestic fertilizer production was 4428 thousand product tonnes, against 4266 thousand tonnes during Kharif 2019 showing an increase of 3.8 per cent. Production of urea and DAP was 3104 and 409 thousand tonnes, respectively during Kharif 2020. Production of urea decreased by 4.9 per cent while that of DAP decreased by 7.7 per cent during Kharif 2020 over Kharif 2019.

During Kharif 2020, overall fertilizer offtake was 5295 thousand tonnes which was 13.7 per cent more than previous Kharif. Urea and DAP offtake was 3188 and 1162 thousand tonnes, respectively, registering an increase of 5.4 per cent in case of urea and 19.3 per cent in case of DAP over Kharif 2019.

In Rabi 2020-21, total fertilizer availability was about 6008 thousand tonnes, witnessing an increase of 1.0 per cent over Rabi 2019-20. Share of domestic production was 4344 thousand product tonnes, showing an increase of 11 per cent as compared to Rabi 2019-20. Quantum of urea and DAP produced during Rabi 2020-21 was 3017 and 348 thousand tonnes, respectively.

The total fertilizer offtake in Rabi 2020-21 was 5335 thousand tonnes compared to 4627 thousand tonnes in Rabi 2019-20 representing an increase of 15.3 per cent. Offtake of urea and DAP was 3225 and 1108 thousand tonnes, respectively. Use of urea increased by 12.3 per cent while that of DAP increased by 2.7 per cent, over previous Rabi 2019-20.

Prices

Prices of all fertilizer products increased during 2020-21. The average increase in prices of urea (sona) and urea (other) was 6.8 and 5.9 per cent, respectively. Price of DAP and

NP increased by 63.3 and 49.9 per cent. Price of SOP and CAN also increased by 15.3 and 1.5 per cent, respectively during 2020-21.

The urea prices in Middle East registered upward trend during 2020-21 from US \$ 232.1/t in July, 2020 to US \$ 422.5 FOB/t in June 2021. Price of urea in China increased by 83.6 per cent while DAP price went up by 80 per cent. Price of DAP in Australia increased by 103.9 per cent.

Natural Gas Consumption

About 266,796 million cubic feet gas was consumed by fertilizer plants during the year 2020-21. The major portion (82.9 per cent) of this was used as feed stock and 17.1 per cent as fuel.

Global Fertilizer Situation

The world fertilizer consumption data depicts that fertilizer consumption is expected to be around 198.2 million nutrient tonnes in fertilizer year 2020-21 compared to 188.3 million nutrient tonnes during 2019-20. The increase in consumption of nitrogen, phosphate and potash at global level is estimated by 4.1, 7.0 and 6.2 per cent, respectively during 2020-21 as compared to 2019-20 mainly as a result of higher crop prices.

Economics of Fertilizer Use

Due to variation in prices of fertilizers and major crops, the benefit cost ratio of farmer changes with passage of time. The average prices of urea during Kharif 2020 decreased by Rs. 219 and DAP by Rs. 141 per bag of 50 kg over Kharif 2019. During Rabi 2020-21, a decrease of Rs. 214 while increase of Rs. 763 per bag of 50 kg in the average price of Urea and DAP, respectively was observed over Rabi 2019-20. During fiscal year 2020-21, it has been observed that urea and DAP (Nitrogen and phosphate) fertilizers remained cheaper for almost all crops as compared with previous fiscal year mainly because of increase in prices of agriculture commodities.

Demand Forecast: Outlook 2021-22

The fertilizer demand during 2021-22 is projected to decrease by 4.4 per cent in nutrient terms. In product terms, offtake of urea is estimated to increase by 3.6 percent while offtake of DAP is expected to decrease by 14.5 per cent during 2021-22. Under short term approach, the monthly fertilizer demand estimates up to March 2022 have been prepared, while on long term basis, annual estimates up to 2025-26 have been depicted in Annex-27 (A).

1. INTRODUCTION

Annual Fertilizer Review 2020-21, is a comprehensive document providing details of fertilizer products and nutrients availability (production and imports) by season and year at provincial and at national level. It covers fiscal year 2020-21 and details of Kharif 2020 and Rabi 2020-21 seasons. Average fertilizer product prices prevailing in major domestic and international markets are also reported. The review also contains details of market shares of various fertilizer agencies by product. Economics of fertilizer use for different crops and short-term demand estimates have been included.

Fertilizer production increased to 9009 thousand tonnes during 2020-21 which is 9.2 per cent higher than previous year. Increase in production is due to supply of gas to Pak Arab from Mari network. In addition to this two LNG based plants (Fatimafert and Agritech) were functional for most part of the year under review, which resulted in improved availability of urea in domestic market. Thus supply/demand situation of urea during 2020-21 remained satisfactory.

Overall, nutrient offtake during fiscal year 2020-21 was 5008 thousand tonnes, which represented an increase of 10.1 per cent over the previous year 2019-20. Nitrogen offtake registered an increase of 8.7 per cent while phosphate offtake increased by 13.3 per cent. Potassium offtake also witnessed an increase of 38 per cent. There was a substantial increase of 13.2 per cent in nutrients offtake during Kharif 2020 and an increase of 12.9 per cent during Rabi 2020-21 over the preceding seasons. Among major products, urea offtake during Rabi 2020-21 went up by 12.3 per cent, while DAP offtake increased by 2.7 per cent as compared with Rabi 2019-20.

2. FERTILIZER AVAILABILITY DURING 2020-21

2.1 Domestic production

Domestic production of all fertilizers witnessed an increase of 9.2 per cent in product terms during 2020-21 as compared with 2019-20. Production in terms of fertilizer nutrient increased by 7.9 per cent i.e., from 3794 in 2019-20 to 4092 thousand nutrient tonnes in 2020-21. Out of total domestic production, 3466 thousand nutrient tonnes (84.7 per cent share) was nitrogen, 605 thousand nutrient tonnes (14.8 per cent share) was phosphate and 21.3 thousand nutrient tonnes of potash.

In product terms, total domestic production, was about 9009 thousand tonnes during 2020-21, which was 762 thousand tonnes more than the previous year, showing an increase of 9.2 per cent. The entire fertilizer products were manufactured by the private sector.

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 NPK's are also formulated/blended

in small quantities. Urea is the most important nitrogenous fertilizer. Its share in total fertilizer production was 69.9 per cent, which decreased during current fiscal year. The share of other products was: DAP (8.76 per cent), NP (10.2 per cent), SSP (1.17 per cent), CAN (8.8 per cent), SOP (0.12 per cent) and NPK's various grades (0.97 per cent), respectively.

The performance of urea plants was 99.9 per cent of installed capacity and the aggregate performance of all fertilizer plants was 98 per cent. The products manufactured during 2020-21, were: urea 6301, CAN 793, NP 921, DAP 789, SSP 106, SOP 11 and NPK's of various grades 87 thousand tonnes (Table 1). The detailed month-wise fertilizer production by product, nutrient and manufacturer is given in Annex-1.

Table 1. Domestic fertilizer production during 2019-20 and 2020-21

Products	Manufacturer	Annual Production capacity ('000 t)	2019-20		2020-21		Per cent change in 2020-21 Over 2019-20	Production as % of capacity during 2020-21
			Production ('000 t)	Per cent share	Production ('000 t)	Per cent share		
			PRODUCTS					
Urea	Fatima Fert (DHCL)	445	208	2.52	315	3.5	51	71
Urea	EFERT	2230	2239	27.15	2200	24.4	-2	99
Urea (PFL)	PAK ARAB	109	17	0.21	66	1	290	61
Urea (PAFL)	Agri Tech (Pvt.) Ltd.	429	166	2.01	240	2.7	45	56
Urea (prilled)	FFC	1330	1685	20.44	1633	18.1	-3	123
Urea (granular)	FFBL	551	559	6.77	524	5.8	-6	95
Urea (PSFL)	FFC	718	850	10.31	816	9.1	-4	114
Urea	Fatima Fertilizer	495	453	5.49	507	5.6	12	102
Urea	Total	6307	6176	74.90	6301	69.9	2.0	99.9
CAN (PAR)	PAK ARAB	450	133	1.61	303	3.4	129	67
CAN	Fatima Fertilizer	420	413	5.01	490	5.4	19	117
CAN	Total	870	546	6.6	793	8.8	45.3	91
NP(PAR)	PAK ARAB	305	168	2	355	3.94	121	116
NP	EFERT	40	47	0.57	52	0.57	9	129
NP	Fatima Fertilizer	360	434	5.27	514	5.71	18	143
NP	Total	705	650	7.9	921	10.2	41.7	131
DAP-SONA	FFC	675	737	8.94	789	8.76	7.1	117
SSP	LCFL (Al Hamd)	108	-	-	-	-	-	-
SSP	AgriTech Limited	147	48	0.58	73	0.82	53.9	50
SSP	Suraj Fertilizer	150	8	0.10	31	0.35	286.4	21
SSP	Safi Chemicals	40	2	0.02	1	0.01	-44	2.8
SSP	Total	445	58	0.70	106	1.17	82.9	24
SOP	Pacific Exim Pvt. Ltd.	10	7	-	11	0.12	44	106
NPK (Various Grades)	EFERT	120	72	0.88	87	0.97	21	73
NPK	Safi Chemicals	40	-	-	-	-	-	-
All Products	Total	9172	8247	100	9009	100	9.2	98
NUTRIENTS								
	Nitrogen		3271	86.2	3466	84.7	6.0	
	Phosphate		506	13.3	605	14.8	19.4	
	Potash		16.7	0.4	21.3	0.5	27.4	
	Total		3,794	100	4092	100	7.9	

2.2 Fertilizer imports

Imports have been a regular feature of the country's fertilizer sector and its volume is increasing with the increase in fertilizer offtake. Fertilizer import is handled by private sector,

except urea, which is undertaken by Trading Corporation of Pakistan (TCP), because of cost considerations and to make urea available at affordable price to the farming community.

Domestic production met about 85.9 per cent of total fertilizer requirements during 2020-21 (83.9 per cent during 2019-20) and the gap between demand and domestic production (14.1 per cent) was met through imports (Table 5). A total quantity of 1454 thousand tonnes of various products (884 thousand tonnes in terms of nutrients), was made available through imports (Table 2).

DAP constitutes the major share of 87 per cent. Quantitatively, imports were: DAP 1263, MAP 11, AS 92, SOP 36 and MOP 54 thousand tonnes. The data are summarized in Table 2 and month-wise details are shown in Annex-2.

Table 2. Fertilizer imports during 2019-20 and 2020-21

('000 tonnes)

Products	2019-20		2020-21		Per cent change in 2020-21 over 2019-20
	Imports	Per cent share	Imports	Per cent share	
PRODUCTS					
Urea	101	7	-	-	-100
DAP	1,211	81	1,263	87	4
SSP	-	-	-	-	-
SOP	20	1	36	2	82
NP	-	-	-	-	-
MOP	24	2	54	4	126
AS	93	6	92	6	-1
MAP	41	3	11	1	-74
All Products	1,490	100	1,454	100	-2.4
NUTRIENTS					
Nitrogen	288	32	248	28	-14
Phosphate	578	65	586	66	1
Potash	24	3	50	6	108
Total	890	100	884	100	-0.7

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

3. FERTILIZER OFFTAKE DURING 2020-21

3.1 Fertilizer offtake by nutrients

Total fertilizer offtake of all nutrients (N+P₂O₅+K₂O) was 5008 thousand tonnes during 2020-21 as compared with 4549 thousand tonnes of last year 2019-20 which witnessed an increase of 10.1 per cent. Nitrogen offtake increased by 8.7 per cent, while that of phosphate offtake increased by 13.3 per cent. Potash offtake also witnessed an increase of 38 per cent.

Total nutrients offtake during 2020-21, compared with the last four years is given in Table 3 and Table 4 and details are in Annex-3.

Table 3. Fertilizer nutrient offtake during 2020-21 compared with previous years

Nutrients	('000 tonnes)				
	2016-17	2017-18	2018-19	2019-20	2020-21
Nitrogen	3,730	3,435	3,408	3,415	3,711
Phosphate	1,269	1,279	1,153	1,084	1,228
Potash	41.4	49.9	53.4	50.2	69.3
Total	5,040	4,763	4,614	4,549	5,008
Per cent change		-5.5	-3.1	-1.4	10.1
N:P Ratio	2.94	2.69	2.95	3.15	3.02

3.1.1 Nitrogen to phosphate imbalance

Data in Table 5 show that nitrogen share in total nutrients offtake was 74.1 per cent during 2020-21 (75.1 per cent during 2019-20), phosphate 24.5 per cent share (23.8 per cent during 2019-20) and potash 1.4 per cent (1.1 per cent during 2019-20). The NP ratio (3.02) narrowed slightly in 2020-21 as compared to 2019-20. It is much wider than recommended level of 2:1. The imbalance in the use of nitrogen and phosphorus is one of the major factors for low fertilizer use efficiency which is also affecting crop yields. The present NP ratio of 3.02 can be brought down by promoting use of phosphatic fertilizers, exploring the local phosphate reserves and by providing DAP on affordable prices to farmers.

3.2 Province-wise nutrient share and offtake during 2020-21

Of the 10.1 per cent increase in total fertilizer nutrient offtake, an increase of 14.8 per cent was observed in Punjab and 13.8 per cent in KP. A decrease of 0.9 per cent was observed in Sindh and 6.8 per cent in Balochistan.

At national level, nitrogen offtake during 2020-21 increased by 8.7 per cent compared with last year. Nitrogen offtake increased by 13.5 per cent in Punjab and 15 per cent in KP. Its offtake decreased by 4.2 and 1.1 per cent in Sindh and Balochistan, respectively.

Phosphate offtake increased by 13.3 per cent at national level during 2020-21. Its offtake increased by 17.3 per cent in Punjab, 9.3 per cent in Sindh and 8.9 per cent in KP while it decreased by 23.7 per cent in Balochistan during 2020-21 as against 2019-20. Potash offtake increased by 38.0 per cent at national level. It increased by 38.2 per cent in Punjab, 48.5 per cent in Sindh, 26.3 per cent in KP and 8.7 per cent in Balochistan during 2020-21 as compared to last year.

Based on five years' average, the share of Punjab in overall nutrient offtake was 69.2 per cent, followed by Sindh 23.3 per cent, KP 4.2 per cent and Balochistan 3.3 per cent. The N to P use ratio was better (2.95:1) in Punjab compared to other provinces. It is important to note that the provincial share in total nutrient offtake remained more or less the same.

The aggregated province-wise, nutrient offtake during 2020-21 compared with the last four years is presented in Table 4. The detailed month-wise, province-wise, data are presented in Annex-4.

Table 4. Province-wise nutrient offtake during 2020-21 compared with previous seasons

('000 tonnes)

Province	2016-17	2017-18	2018-19	2019-20	2020-21	Per cent change in 2020-21 over 2019-20	Provincial Share (%) 5 Years basis	N to P ratio (2020-21)
Total								
Punjab	3,498	3,316	3,172.8	3,080	3,535	14.8	69.2	2.95
Sindh	1,186	1,126	1,123.0	1,077	1,068	-0.9	23.3	3.06
KP	225	174	178.0	197	225	13.8	4.2	3.63
Balochistan	131	147	140.2	193	180	-6.8	3.3	3.68
AJK/FATA	0	0.4	0.5	0.1	-	0.0	0.00	
Total	5,040	4,763	4,614	4,549	5,008	10.1	100	3.02
Per cent change over previous year		-5.5	-3.1	-1.4	10.1			
Nitrogen								
Punjab	2,537	2,354	2,323	2,290	2,600	13.5	68.4	
Sindh	924.2	852.1	849.8	831.9	796.9	-4.2	24.0	
KP	172.6	125.0	133.8	150.7	173.3	15.0	4.3	
Balochistan	95.9	103.9	100.4	141.8	140.3	-1.1	3.3	
AJK/FATA	0.0	0.3	0.3	0.14	0.04	-71.2	0.00	
Total	3,730	3,435	3,408	3,415	3,711	8.7	100	
Per cent change over previous year		-7.9	-0.8	0.2	8.7			
Phosphate								
Punjab	930	925	810	752	882	17.3	71.5	
Sindh	255	266	264	238	260	9.3	21.3	
KP	50.1	46.6	40.6	43.9	47.8	8.9	3.8	
Balochistan	33.7	41.1	38.0	49.9	38.1	-23.7	3.3	
AJK/FATA	-	0.1	0.2	0.0	-	0.0	0.0	
Total	1,269	1,279	1,153	1,084	1,228	13.3	100.0	
Per cent change over previous year		0.8	-9.8	-6.0	13.3			
Potash								
Punjab	31	37	39	38	53	38.2	75.1	
Sindh	7	8	9	7	11	48.5	15.9	
KP	2.4	2.7	3.6	2.9	3.6	26.3	5.8	
Balochistan	1.4	1.7	1.8	1.8	1.9	8.7	3.3	
AJK/FATA	-	-	-	-	-	0	-	
Total	41	50	53	50	69.3	38.0	100	
Per cent change over previous year		20.5	6.9	-6.0	38.0			

3.3 Fertilizer offtake by product during 2020-21

During the year 2020-21, a total quantity of about 10,487 thousand tonnes (1098 thousand tonnes more than that of 2019-20), was sold by marketing agencies, showing an increase of 11.7 per cent over the same time frame of last year. Offtake of domestically produced products was 9004 thousand tonnes, representing an increase of 14.3 per cent. Offtake of imported products was about 1483 thousand tonnes, which was 32 thousand tonnes less than that of 2019-20, showing a decrease of 2.1 per cent (Table 5).

Among products, share of urea was 59.8 per cent, followed by DAP (20.7 per cent), NP (7.5 per cent), CAN (8.1 per cent), SSP (0.8 per cent) and other products (3.1 per cent). The percentage shares are shown in Figure 1. The summarized product-wise data are presented in Table 5 and the consolidated month-wise, product-wise and nutrient-wise offtake during 2019-20 and 2020-21 are given in Annex-5.

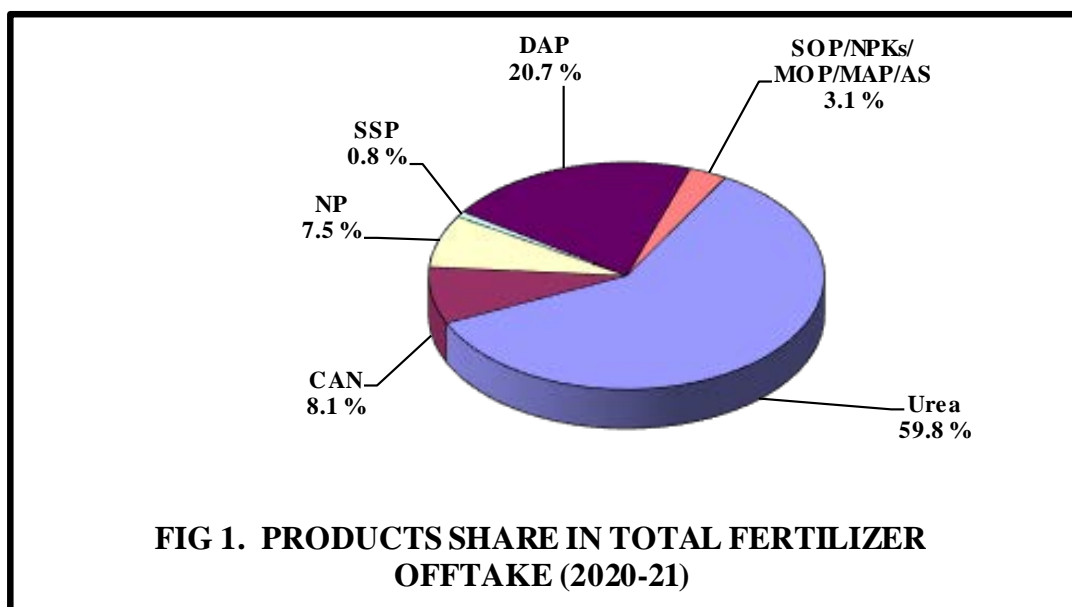


Table 5. Product-wise fertilizer offtake during 2019-20 and 2020-21

Products	2019-20 Offtake (000 tonnes)	Per cent Share	2020-21 Offtake (000 tonnes)	Per cent Share	Per cent change in 2020-21 over 2019-20
Urea domestic	5,914	63.0	6,267	59.8	6.0
Urea Imported	101	1.1	-	-	-100.0
Total Urea	6,015	64.1	6,267	59.8	4.2
CAN domestic	502	5.3	852	8.1	69.5
NP Imported	4	0.0	0.2	0.0	-95.1
NP domestic	575	6.1	786	7.5	36.8
Total NP	578	6.2	786	7.5	36.0
SSP domestic	65	0.7	89	0.8	36.3
SSP Imported	4	0.0	-	-	-100.0
DAP domestic	737	7.9	905	8.6	22.8
DAP Imported	1,247	13.3	1,265	12.1	1.5
Total DAP	1,984	21.1	2,170	20.7	9.4
TSP Imported	-	-	-	-	0
SOP domestic	9	0.1	13	0.1	39
SOP Imported	33	0.3	42	0.4	29.8
NPK's	71	0.8	92	0.9	28.4
MOP Imported	27	0.3	41	0.4	50
MAP Imported	27	0.3	34	0.3	25
AS	72	1	101	1.0	39
Grand Total	9,389	100.0	10,487	100.0	11.7
Total domestic	7,874	83.9	9,004	85.9	14.3
Total Imported	1,515	16.1	1,483	14.1	-2.1
A. DOMESTIC PRODUCTS					
Nitrogen	3,125	68.7	3,458	69.0	10.7
Phosphate	495	10.9	628	12.5	27.0
Potash	17	0.4	23	0.5	35.4
Total	3,636	80	4,110	82.1	13.0
B. IMPORTED PRODUCTS					
Nitrogen	290	6.4	253	5.1	-12.8
Phosphate	589	13.0	600	12.0	1.8
Potash	33	0.7	46	0.9	39.9
Total	912	20	898	17.9	-1.5
C. TOTAL PRODUCTS					
Nitrogen	3,415	75.1	3,711	74.1	8.7
Phosphate	1,084	23.8	1,228	24.5	13.3
Potash	50.2	1.1	69.3	1.4	38.0
Total	4,549	100.0	5,008	100	10.1

3.4 Province-wise Urea and DAP offtake during 2020-21

Urea accounted for the largest share of 59.8 per cent in total product offtake in the country (Table 5). Its offtake increased by 4.2 per cent at national level over the year 2019-20. Urea offtake increased by 8.6 per cent in Punjab, 15.6 per cent in KP and 2.9 per cent in Balochistan, respectively. Its offtake decreased by 9.6 per cent in Sindh (Table 6).

DAP offtake during 2020-21, increased by 9.4 per cent at national level. DAP offtake increased by 12.9 per cent in Punjab, 6.7 per cent in Sindh and 8.6 per cent in KP. Its offtake decreased by 30.3 per cent in Balochistan during 2020-21 compared to last year 2019-20.

As far as provincial shares in urea offtake are concerned, Punjab share on five years average was 67.3, Sindh 24.7, KP 4.6 and Balochistan 3.4 per cent. Punjab share in DAP offtake was 72.2 per cent, followed by Sindh 20.9, KP 3.6 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 2020-21, 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 2020-21 compared with previous years
(000 Tonnes)

Province	2016-17	2017-18	2018-19	2019-20	2020-21	Per cent change in 2020-21 over 2019-20	Provincial share (Average 5 years) Per cent
UREA							
Punjab	4,233	3,908	4,021	3,992	4335	8.6	67.3
Sindh	1646	1504	1520	1491	1,348	-9.6	24.7
KP	323	227	250	282	326	15.6	4.6
Balochistan	171	185	180	251	258	2.9	3.4
AJK/FATA	-	0.23	0.19	0.1	0	0.0	-
Total	6,372	5,825	5,970	6,015	6,267	4.2	100.0
Per cent change over previous year		-8.6	2.5	0.8	4.2		
DAP							
Punjab	1,723	1,779	1,563	1,395	1576	12.9	72.2
Sindh	462	495	490	422	450	6.7	20.9
KP	84	86	75	73	79	8.6	3.6
Balochistan	60	80	72	93	65	-30.3	3.3
Total	2,329	2,440	2,200	1,984	2,170	9.4	100.0
Per cent change over previous year		4.8	-9.8	-9.8	9.4		

4. SUPPLY/DEMAND SITUATION DURING 2020-21

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 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 where there is demand, 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 2020-21

The year 2020-21 had an opening inventory of about 610 thousand nutrient tonnes. Domestic production was 4092 thousand nutrient tonnes and imports were 884 thousand nutrient tonnes. Total availability was about 5585 thousand nutrient tonnes (Table7). Total nutrient offtake during 2020-21 was 5008 thousand nutrient tonnes as compared to 4549 thousand nutrient tonnes in 2019-20 showing an increase of 10.1 per cent. The data in Table 8 reveal that nitrogen offtake as proportion of supply did not cross 80 per cent mark during the whole year hence, reflecting a comfortable situation. The closing (national inventory) balance was 594 thousand tonnes (Table 7), which was lower as compared to previous year 2019-20. The month-wise per cent nutrient offtake as proportion of total supply is presented in Figure 2 (Table 8).

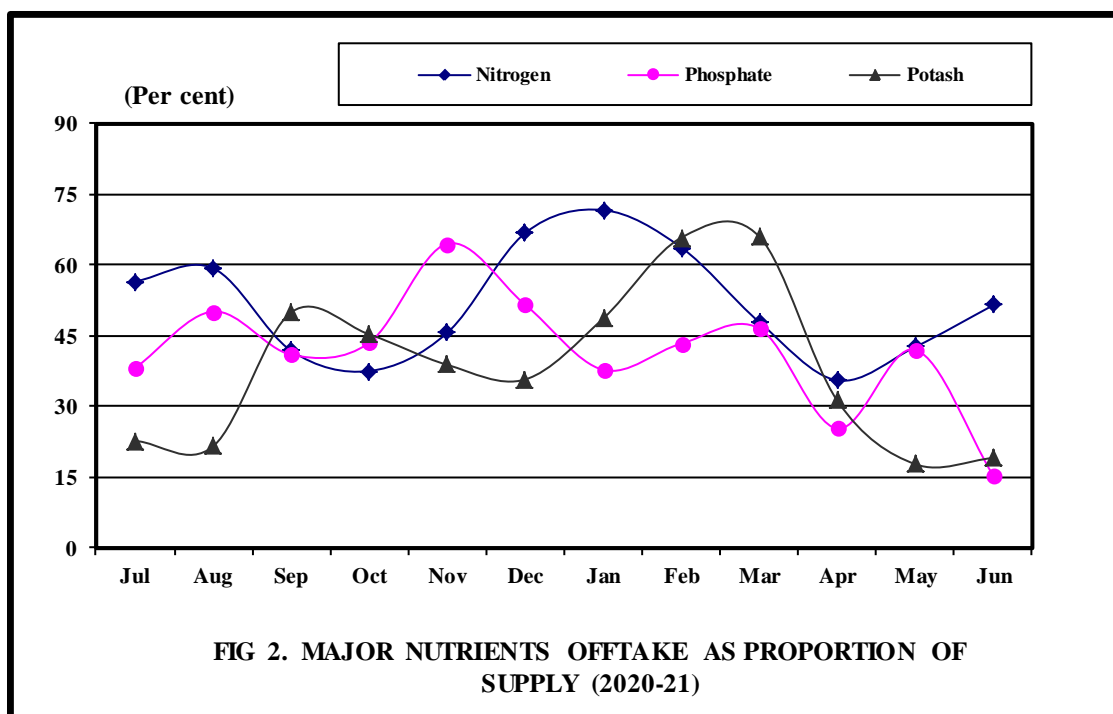


Table 7. Fertilizer supply/demand situation during 2020-21

('000 tonnes)

Description	Nitrogen	Phosphate	Potash	Total	Urea	DAP	Nitrophos
Opening Balance	334 (203)	264 (268)	12 (23)	610 (494)	413 (178)	474 (504)	164 (77)
Domestic production	3,466 (3,271)	605 (506)	21 (17)	4,092 (3,794)	6,301 (6,176)	789 (737)	921 (650)
Imports	248 (288)	586 (578)	50 (24)	884 (890)	- (101)	1,263 (1,211)	- -
Total Availability	4,047 (3,762)	1,454 (1,353)	84 (63)	5,585 (5,178)	6,714 (6,455)	2,526 (2,452)	1,086 (727)
Offtake	3,711 (3,415)	1,228 (1,084)	69 (50)	5,008 (4,549)	6,267 (6,015)	2,170 (1,984)	786 (578)
Adjustments (+/-)	6	7	3	17	-16	-2	15
National Inventory	342 (334)	234 (264)	18 (12)	594 (610)	432 (413)	353 (474)	314 (164)

Note: Figures in parenthesis are for 2019-20.

Table 8. Total supply and offtake of fertilizer nutrients during 2020-21

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-20	628	368	20	355	140	5	57	38	23
Aug-20	608	329	22	361	165	5	59	50	22
Sep-20	588	300	25	246	123	13	42	41	50
Oct-20	681	284	18	256	123	8	38	44	45
Nov-20	754	289	13	344	187	5	46	65	39
Dec-20	721	217	11	482	112	4	67	52	36
Jan-21	512	166	11	367	63	5	72	38	49
Feb-21	381	141	9	243	61	6	64	43	66
Mar-21	431	170	10	207	79	7	48	47	66
Apr-21	542	167	15	193	42	5	36	25	31
May-21	687	214	19	293	90	3	43	42	18
Jun-21	709	276	22	365	42	4	52	15	19

4.2 Product-wise Urea, DAP and Nitrophos supply/demand situation during 2020-21

Urea, DAP and nitrophos are the most commonly used fertilizers among farming communities as source of nitrogen and phosphate. During 2020-21, urea share was 59.8 per cent, DAP 20.7 per cent, CAN 8.1 per cent and nitrophos 7.5 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.

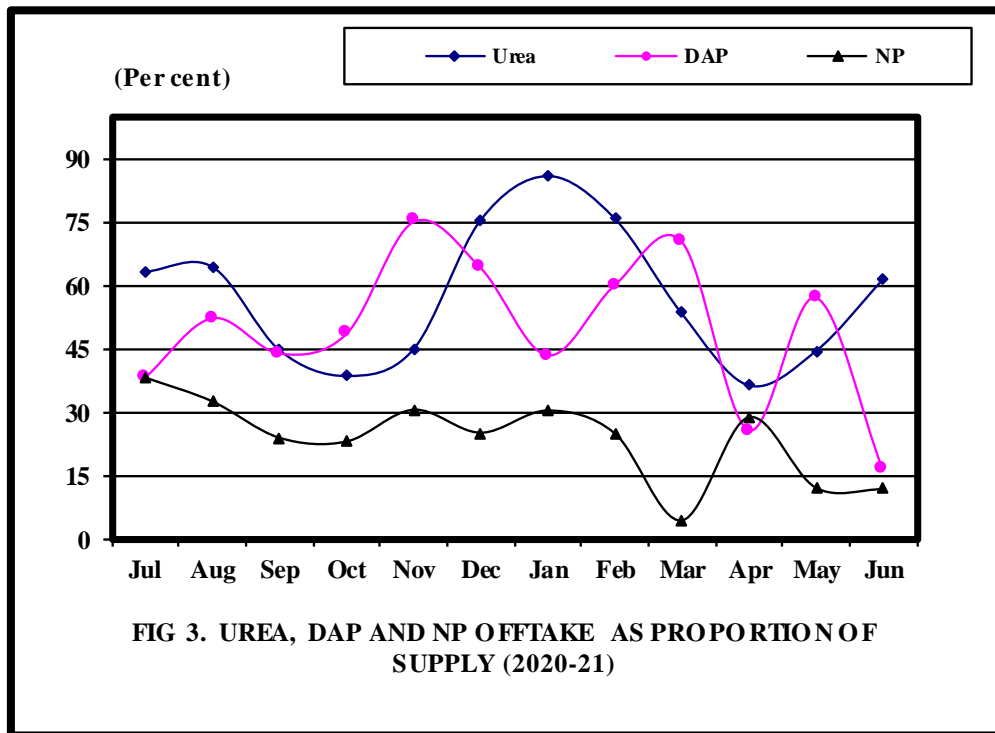


FIG 3. UREA, DAP AND NP OFFTAKE AS PROPORTION OF SUPPLY (2020-21)

4.2.1 Urea supply/demand situation during 2020-21

The year 2020-21 started with 413 thousand tonnes of urea opening stock, which is above the level of satisfactory. Domestic production was about 6301 thousand tones. The total availability of urea was therefore, 6714 thousand tonnes (Table 7). Total urea offtake was 6267 thousand tonnes, which witnessed an increase of 4.2 per cent over 2019-20. To cater the market demand, two LNG based plants remained functional during peak demand time. Urea offtake as proportion of supply crossed 80 per cent mark during January, 2021 (Figure-3) which reflect tight situation. The closing stock at the end of 2020-21 was 432 thousand tonnes, which is a comfortable opening inventory for the year 2021-22.

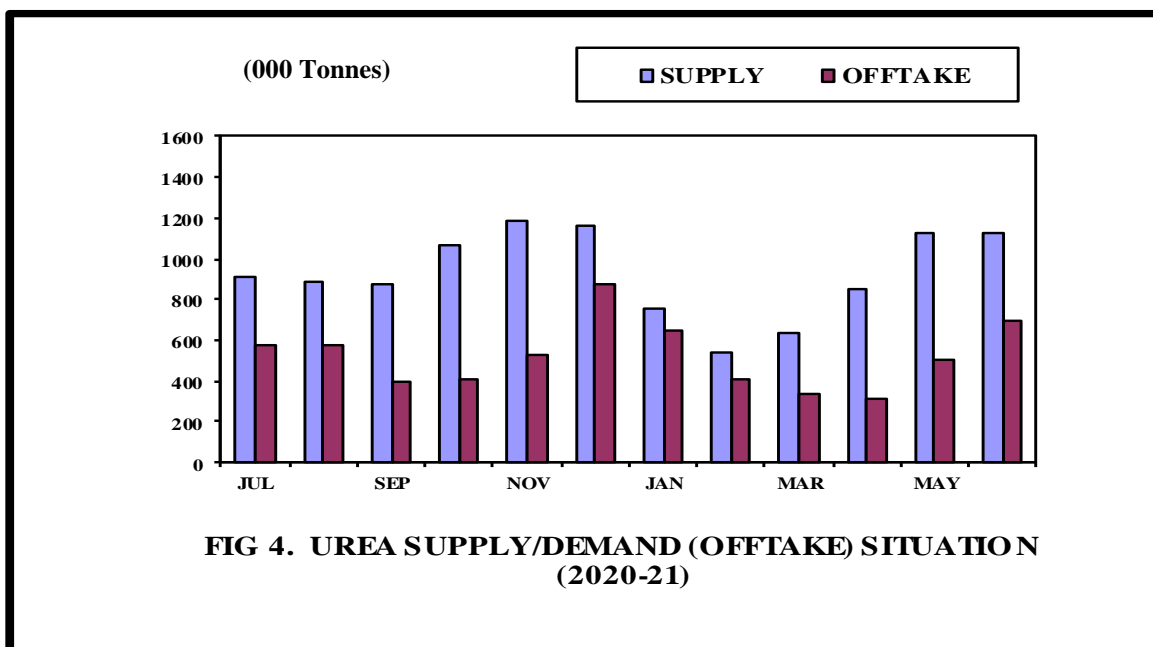


FIG 4. UREA SUPPLY/DEMAND (OFFTAKE) SITUATION (2020-21)

The summarized data are presented in Table 7 and 9. Urea offtake during 2020-21 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 2020-21

The year 2020-21 had an opening inventory of 474 thousand tonnes of DAP. Imports were about 1263 thousand tonnes (1211 thousand tonnes during 2019-20). Domestic production was 789 thousand tonnes. The total availability of DAP was therefore about 2526 thousand tonnes (Table 7). Total DAP offtake was 2170 thousand tonnes as compared to 1984 thousand tonnes during 2019-20, representing an increase of 9.4 per cent over 2019-20. The closing stock at the end of the year was 353 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 2020-21 at Annexes 10 and 11.

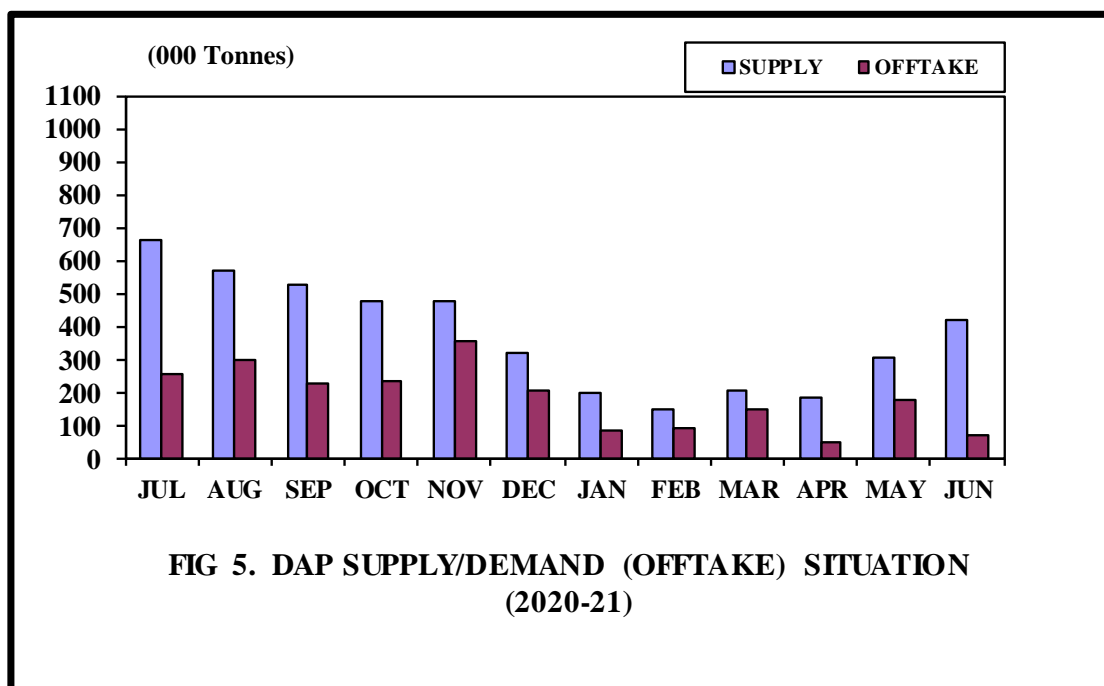


FIG 5. DAP SUPPLY/DEMAND (OFFTAKE) SITUATION (2020-21)

4.2.3 Nitrophos supply/demand situation during 2020-21

It may be reiterated that 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 (P₂O₅). It is locally produced and negligible quantities are being imported by private sector. Nitrophos offtake was 786 thousand tonnes during 2020-21, which was more than previous year level. Total availability of nitrophos during 2020-21 was 1086 thousand tonnes compared to 727 thousand tonnes during previous year. This increase in availability is due to running of NP plant of Pak Arab by supply of gas from Mari Petroleum Company. The

summarized data are shown in Table 7 and 9. Month-wise supply/demand situation during the year 2020-21 is presented in Annex 10 and consolidated supply/demand in Annex-11.

Table 9 Total supply and offtake of fertilizer products urea, DAP and Nitrophos during 2020-21

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-20	908	660	233	575	251	88	63	38	38
Aug-20	890	566	230	573	295	74	64	52	32
Sep-20	879	523	226	393	228	54	45	44	24
Oct-20	1,071	474	255	413	229	58	39	48	23
Nov-20	1,187	476	286	533	357	87	45	75	30
Dec-20	1,167	321	287	881	206	71	75	64	25
Jan-21	755	193	312	649	84	94	86	43	30
Feb-21	535	149	285	406	89	71	76	60	25
Mar-21	642	204	275	343	144	12	53	70	4
Apr-21	850	181	342	309	46	97	36	25	29
May-21	1,129	304	318	501	173	38	44	57	12
Jun-21	1,124	421	355	690	68	42	61	16	12

4.3 Fertilizer use (nutrients) per hectare of cropped area during 2020-21

The data given in Table 10 present average fertilizer use in kg nutrients per hectare of cropped area. It may be seen that average nutrient use rate during 2020-21 increased to 207 kg/ha, compared to 194 kg/ha during 2019-20 (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., 293 kg/ha (299 kg/ha during 2019-20), followed by Punjab at 201 kg/ha (182 kg/ha during 2019-20), KP 123 kg/ha (106 kg/ha during 2019-20) and Balochistan 167 kg/ha (182 kg/ha during 2019-20).

Table 10. Fertilizer use status during 2020-21

Province	Cropped Area (million ha)	Total Consumption during 2020-21 (000 tons)				Nutrients Use rate during 2020-21 (Kg/ ha)			
		Nitrogen	Phosphate	Potash	Total	Nitrogen	Phosphate	Potash	Total
Punjab	17.6	2,600	882	53	3,535	148	50	3.0	201
Sindh	3.65	797	260	11	1,068	218	71	3.0	293
KP	1.83	173	48	4	225	95	26	1.9	123
Balochistan	1.08	140	38	2	180	130	35	1.7	167
AJK/Gilgit Baltistan	-	0.0	-	-	0.0	-	-	-	-
Total	24.16	3,711	1,228	69	5,008	154	51	2.9	207

4.4 District-wise fertilizer offtake during 2020-21

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 38 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 15 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 68 districts with fertilizer offtake above 100 kg nutrients per hectare. Out of these, 28 districts belong to Punjab, followed by Sindh (20 districts), KP (7 districts) and Balochistan (13 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 stockists 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 2020-21

Fertilizer Nutrient use Rate	Number of Districts				Pakistan
	Punjab	Sindh	KP	Balochistan	
i. Upto 50 kg/h	5	1	17	15	38
ii. 50-100 kg/h	4	2	6	3	15
iii. Above 100 kg/h	28	20	7	13	68
Total	37	23	30	31	121

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 2020-21.

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 FatimaFert and Agritech (Rs. 727 per bag).
3. Cash subsidy by Government of Punjab for phosphate and potash fertilizer (Rs. 500 per bag of DAP, Rs. 800 per bag of SOP and equivalent for other phosphate and potash fertilizers based on per cent nutrient content).

5. FERTILIZER AVAILABILITY DURING KHARIF 2020

5.1 Domestic production

Domestic production of all fertilizer products during Kharif 2020 (April-September) was about 4,428 thousand product tonnes, which was 162 thousand tonnes more than Kharif 2019. In nutrient terms, a total quantity of 2,017 thousand tonnes was produced by the domestic industry.

Of the total domestic production, nitrogen was 1,706 thousand tonnes, which accounted for 84.6 per cent (85.8 per cent in Kharif 2019). Phosphate production was 302 thousand tonnes, which captured a share of 15.0 per cent (13.8 per cent in Kharif 2019) and potash had just 0.5 per cent share (Table 12).

Urea production during Kharif 2020 remained at a level of about 3,104 thousand tonnes (3,265 thousand tonnes during Kharif 2019). DAP Production was 409 thousand tonnes, which decreased (7.7 per cent) than that of Kharif 2019. Production of nitrophos increased by 72.9 per cent, while that of CAN increased by 65.6 per cent and SSP production increased by 79 per cent. This increase in production of NP and CAN is due to resumption of production by Pak Arab.

Of the seven fertilizer products produced in the country, share of urea in Kharif 2020 was 70.1 per cent (76.5 per cent in Kharif 2019), followed by DAP 9.2 per cent (10.4 per cent in Kharif 2019), NP 10.4 per cent (6.3 per cent in Kharif 2019), CAN 8.4 per cent (5.3 per cent in Kharif 2019), SSP 0.9 per cent (0.9 per cent in Kharif 2019), various grades of NPKs 0.8 per cent (1 per cent in Kharif 2019) and SOP 0.1 per cent. Tonnage-wise, the domestic industry produced the following quantities during Kharif 2020: Urea 3104, CAN 373, NP 461, DAP 409, SSP 39, SOP 5.2 and NPK's (various grades) 37 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.

Table 12. Domestic fertilizer production during Kharif 2019 and 2020

Products	Manufacturer	Kharif 2019		Kharif 2020		Per cent change in Kharif 2020 over Kharif 2019
		Production ('000 t)	Per cent share	Production ('000 t)	Per cent share	
PRODUCTS						
UREA	Fatima Fert. (DHCL)	249	5.8	75	1.7	-69.7
UREA	EFERT	1008	23.6	1122	25.3	11.4
UREA(PFL)	PAK ARAB	-	-	30	0.68	0.0
UREA(PAFL)	Agritech	200	4.7	57	1.3	-71.6
UREA (PRILLED)	FFC	866	20.3	825	18.6	-4.8
UREA (GRANULAR)	FFC	319	7.5	310	7.0	-2.8
UREA (PSFL)	FFC	420	9.8	426	9.6	1.4
UREA	Fatima Fertilizer	202	-	259	5.8	28.0
UREA	TOTAL	3,265	76.5	3104	70.1	-4.9
CAN(PAR)	PAK ARAB	0	0.0	140	3.2	0.0
CAN	Fatima	225	5.28	233	5.3	3.5
CAN	TOTAL	225	5.3	373	8.4	65.6
NP (PAR)	PAK ARAB	0	0.0	189	4.3	-
NP	EFERT	31	0.7	20	0.5	-34.5
NP	Fatima	236	0.0	252	5.7	6.6
NP	TOTAL	267	6.3	461	10.4	72.9
DAP - SONA	FFC	443	10.4	409	9.2	-7.7
SSP (J.WAL 18%)	AL-HAMD	-	-	-	-	-
SSP(H.PUR 18%)	Agritech	14	0.3	35	0.8	139.6
SSP	Suraj Fertilizers	8	0.2	2.9	0.07	-61.0
SSP	Safi Chemicals	-	-	1.2	0.03	-
SSP	TOTAL	22	0.9	39	0.9	79
SOP	Pacific	3	-	5.2	0.1	-
NPK (Various Grades)	EFERT	41	1.0	37	0.8	-9.8
NPK (2:20:3)	Safi Chemicals	-	-	-	-	-
ALL PRODUCTS	TOTAL	4,266	100	4,428	100	3.8
NUTRIENTS						
	NITROGEN	1705	85.8	1706	84.6	0.1
	PHOSPHATE	274	13.8	302	15.0	10
	POTASH	9.0	0.5	9.4	0.5	4.3
	TOTAL	1,988	100	2017	100	1.5

5.2 Fertilizer imports during Kharif 2020

Five products such as DAP, AS, SOP, MOP and MAP were imported during Kharif 2020. Fertilizer imports were 658 thousand product tonnes, which witnessed an increase of 23.5 per cent, over Kharif 2019 (Table 13).

The share of DAP in total imports was 83 per cent. DAP imports were 546 thousand tonnes (330 thousand tonnes during Kharif 2019). Total imports in terms of nutrients were 389 thousand tonnes, which witnessed an increase of 32 per cent. Volume of imported fertilizer during Kharif 2020 comprised: DAP 546, SOP 13, MOP 22, AS 66 and MAP 10 thousand tonnes. The summarized product-wise and nutrient-wise data are given in Table 13. Month-wise details are presented in Annex-15.

Table 13. Fertilizer imports during Kharif 2019 and 2020

Products	Kharif 2019		Kharif 2020		Per cent change in Kharif 2020 Over Kharif 2019
	Imports (‘000t)	Per cent share	Imports (‘000t)	Per cent share	
(‘000 tonnes)					
PRODUCTS					
UREA	101	19	-	-	-
DAP	330	62	546	83	65
SSP	7	1.2	0	-	-100
SOP	21	4	13	2	-36
MOP	9	1.6	22	3	153
AS	51	9.5	66	10.0	30
MAP	14	2.7	10	1.5	-29
All Products	532	100	658	100	23.5
NUTRIENTS					
Nitrogen	118	40	113	29	-4
Phosphate	160	54	256	66	60
Potash	16	5	20	5	27
Total	294	100	389	100	32

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

6. FERTILIZER OFFTAKE/CONSUMPTION DURING KHARIF 2020

6.1 Fertilizer offtake by nutrients

The overall fertilizer nutrient offtake during Kharif 2020 witnessed a significant increase of 13.2 per cent over previous season i.e., from 2257 thousand nutrient tonnes in 2019 to 2555 thousand nutrient tonnes in 2020 (Table 14). Nitrogen offtake increased by 10 per cent while phosphate offtake increased by 22.1 per cent. Potash offtake witnessed an increase of 48.4 per cent.

Nitrogen captured 73.3 per cent share in total nutrient offtake during Kharif 2020 (75.5 per cent during Kharif 2019). Phosphate claimed 25.4 per cent share (23.6 per cent during Kharif 2019) while the potash share was 1.3 per cent.

Aggregated data are given in Table 14, Annex-17 and the monthly nutrient offtake of Kharif 2020 compared with the last five seasons are shown in Annex-3.

Table 14 Fertilizer nutrient offtake during Kharif 2020 compared with previous seasons

('000 tonnes)					
Nutrient	2016	2017	2018	2019	2020
Nitrogen	1,512	1,849	1,633	1,703	1,872
Phosphate	402	544	476	532	650
Potash	12	24	26	22	33
Total	1,926	2,416	2135	2257	2555
N:P Ratio	3.76	3.40	3.43	3.20	2.88
					(% change)
Nitrogen		22	-12	4.3	10.0
Phosphate		35	-12	11.7	22.1
Potash		92	10	-14.5	48.4
Total		25.4	-11.7	5.7	13.2

6.2 Province-wise nutrient offtake

At national level, overall nutrient offtake during Kharif 2020 increased by 13.2 per cent compared with Kharif 2019. Province-wise increase in nutrient offtake was: Punjab 11.4 per cent, Sindh 12.5, KP 23.3 and Balochistan 42.0 per cent over last Kharif 2019.

The increase in nitrogen offtake at national level during Kharif 2020 was 10.0 per cent as compared to last Kharif. On provincial basis an increase of 8.4 per cent in Punjab, 7.5 per cent in Sindh, 20.8 per cent in KP and 47.3 per cent in Balochistan was recorded during Kharif 2020 as compared with Kharif 2019.

Phosphate offtake increased by 22.1 per cent at national level compared with Kharif 2019. This included increase of 18.9 per cent in Punjab, 29.2 per cent in Sindh, 33.7 per cent in KP and 27.3 per cent in Balochistan.

In overall nutrient offtake based on five years average, share of Punjab during Kharif was 68 per cent, followed by Sindh 25 per cent, KP 4 per cent and Balochistan 3 per cent.

The data are summarized in Table 15 and the detailed month, province and nutrient-wise data for Kharif 2020 compared with last five seasons are presented in Annex-4.

Table 15. Province-wise nutrient offtake during Kharif 2020 compared with previous seasons

Province						('000 tonnes)	
	Kharif 2016	Kharif 2017	Kharif 2018	Kharif 2019	Kharif 2020	Per cent change in Kharif 2020 over Kharif 2019	Provincial share (%) 5 years basis
Total							
Punjab	1,238	1,661	1,451	1,557	1,735	11.4	68
Sindh	523	592	544	529	596	12.5	25
KP	106	89	80	92	113	23.3	4
Balochistan	59	74	60	78	111	42.0	3
AJK/FATA	0.0	0.3	0.1	0.4	0.1	-80.7	0.01
Total	1,926	2,416	2,135	2,257	2,555	13.2	100
Per cent change over previous year		25.4	-11.6	5.7	13.2		
Nitrogen							
Punjab	964	1,258	1,085	1,168	1,266	8.4	67
Sindh	422	473	439	408	438	7.5	25
KP	86	69	62	71	86	20.8	4
Balochistan	39	49	46	56	82	47.3	3
AJK/FATA	-	-	0.1	0.2	0.04	-82.5	0.00
Total	1,512	1,849	1,633	1,703	1,872	10.0	100
Per cent change over previous year		22.3	-11.7	4.3	10.0		
Phosphate							
Punjab	264	386	346	371	442	18.9	69
Sindh	99	114	101	119	154	29.2	23
KP	19	19	17	20	26	33.7	4
Balochistan	19	24	13	22	28	27.3	4
AJK/FATA	0.01	0.20	-	0.1	0.03	-	0.01
Total	402	544	476	532	649.6	22.1	100
Per cent change over previous year		35.3	-12.4	11.7	22.1		
Potash							
Punjab	9.5	17.7	19.8	17.6	26.6	50.6	78
Sindh	1.7	4.2	3.8	2.8	4.0	43.4	14
KP	0.6	0.9	1.3	1.2	1.3	5.1	4
Balochistan	0.5	0.8	1.0	0.6	1.1	97.9	3
AJK/FATA	-	-	-	-	-	0	0
Total	12	24	26	22.2	32.9	48.4	100
Per cent change over previous year		92	10	-14.5	48.4		

6.3 Fertilizer offtake/use by product

During Kharif 2020, a total of about 5295 thousand product tonnes were consumed as compared to 4656 thousand tonnes during Kharif 2019 reflecting an increase of 13.7 per cent. Urea, DAP and Nitrophos constituted 89.3 per cent of total products consumed. The domestic nutrient offtake increased by 13.3 per cent, while imported fertilizers nutrient offtake increased by 16.0 per cent over Kharif 2019.

Among the various products, Urea captured 60.2 per cent share in total fertilizer offtake, followed by DAP with 21.9 per cent. The shares of CAN, NP and SSP were 6.7, 7.2 and 0.7 per cent, respectively. The cumulative share of remaining products was 3.2 per cent (Figure 6). Urea offtake increased by 5.4 per cent and DAP offtake by 19.3 per cent as compared to Kharif 2019. The share of domestic products in total fertilizer offtake was 84.4 per cent (84.7 per cent during Kharif 2019), while that of imported fertilizer accounted for 15.6 per cent (15.3 per cent during Kharif 2019). The consolidated product-wise fertilizer offtake during Kharif 2019 and Kharif 2020 is presented in Table 16 and detailed month and product-wise offtake is presented in Annex-10 and consolidated in Annex-16.

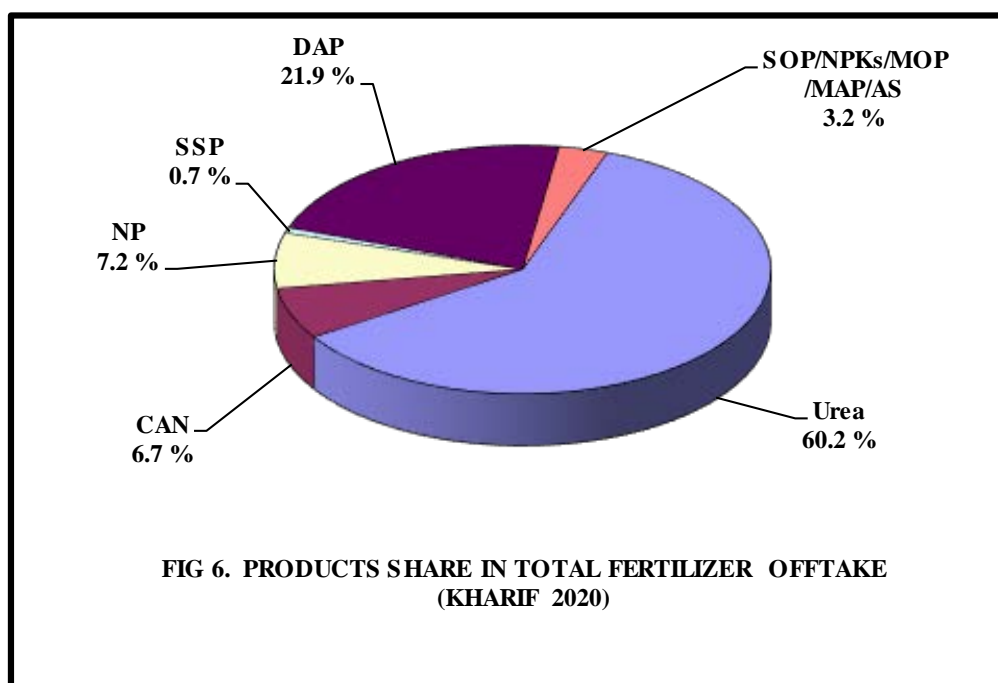


Table 16. Product-wise fertilizer offtake during Kharif 2019 and 2020

Products	('000 tonnes)				
	2019 Offtake	Per cent Share	2020 Offtake	Per cent Share	Per cent change in Kharif 2020 over 2019
Urea Imported	68	1.5	0	0.0	-
Urea domestic	2956	63.5	3188	60.2	7.8
Total Urea	3,024	64.9	3,188	60.2	5.4
CAN domestic	221	4.7	354	6.7	60
NP domestic	290	6.2	383	7.2	32.1
NP Imported	1	-	0.2	0.00	-73.0
SSP Imported	11	0.23	-	-	-
SSP domestic	19	0.4	39	0.7	107
DAP domestic	417	9.0	452	8.5	8
DAP Imported	557	12.0	710	13.4	27
Total DAP	974	20.9	1,162	21.9	19.3
TSP Imported	-	-	-	-	-
SOP Domestic	5	0.10	6	0.12	30
SOP Imported	11	0.2	22	0.4	100
NPK's domestic	36	0.8	45	0.8	26
MOP Imported	13	0.3	18	0.3	33
MAP Imported	17	0.37	30	0.57	77
AS Imported	35	0.7	47	0.9	35
Grand Total	4,656	100.0	5295	100.0	13.7
Total domestic	3,943	84.7	4468	84.4	13.3
Total Imported	713	15.3	827	15.6	16.0
A. DOMESTIC PRODUCTS					
Nitrogen	1562	69.2	1731	67.8	10.8
Phosphate	265	11.7	307	12.0	16.1
Potash	9	0.4	11.4	0.4	30.8
Total	1,835	81.3	2049	80.2	11.7
B. IMPORTED PRODUCTS					
Nitrogen	140	6.2	141	5.5	0.6
Phosphate	267	11.8	342	13.4	28.2
Potash	14	0.6	22	0.8	59.8
Total	421	18.7	505	19.8	20.0
C. TOTAL PRODUCTS					
Nitrogen	1703	75.5	1872	73.3	10.0
Phosphate	532	23.6	650	25.4	22.1
Potash	22.2	1.0	32.9	1.3	48.4
Total	2,256	100.0	2555	100.0	13.2

6.4 Province-wise urea and DAP offtake / consumption during Kharif 2020

Urea offtake during Kharif 2020 exhibited an increase of 5.4 per cent over Kharif 2019 at national level. Increase of 4.1, 0.8, 17.8 and 52.3 per cent were observed in Punjab, Sindh, KP and Balochistan, respectively over Kharif 2019 (Table 17).

At national level, DAP offtake also witnessed an increase of 19.3 per cent. Increase of 14.9 per cent in Punjab, 30.5 per cent in Sindh, 32.9 per cent in KP and 25.9 per cent in Balochistan was experienced during Kharif 2020 over Kharif 2019.

The share of Punjab in urea offtake on five-year basis was 66.1 per cent, Sindh 26.0, KP 4.7 and Balochistan 3.2 per cent. As regards DAP offtake on provincial basis, Punjab's share was 69.9 per cent, Sindh 22.1, KP 3.8 and Balochistan 4.3 per cent.

Province-wise summary in respect of urea and DAP offtake during Kharif 2020 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 2020 compared with previous seasons

('000 tonnes)							
Province	Kharif 2016	Kharif 2017	Kharif 2018	Kharif 2019	Kharif 2020	Per cent change in Kharif 2020 over Kharif 2019	Provincial share (Average 5 years) Per cent
UREA							
Punjab	1693	2173	1871	2059	2143	4.1	66.1
Sindh	780	847	811	735	740	0.8	26.0
KP	167	131	119	132	156	17.8	4.7
Balochistan	64	83	86	98	149	52.3	3.2
AJK/FATA	0	0	0.1	0.2	-	-	0
Total	2,703	3,234	2,887	3,024	3,188	5.4	100
Per cent change over previous year		19.6	-10.7	4.7	5.4		
DAP							
Punjab	453	707	657	692	795	14.9	69.9
Sindh	177	204	187	206	269	30.5	22.1
KP	31	33	32	35	46	32.9	3.8
Balochistan	35	48	25	42	52	25.9	4.3
Total	697	993	901	974.1	1,162	19.3	100.0
Per cent change over previous year		42.4	-9.2	8.1	19.3		

7. SUPPLY/DEMAND SITUATION DURING KHARIF 2020

7.1 Nutrient-wise supply/demand situation during Kharif 2020

The opening stock for Kharif 2020 was about 668 thousand nutrient tonnes. Total supply, based on opening stock, domestic production and imports was 3074 thousand nutrient tonnes, which was 248 thousand tonnes more than that of Kharif 2019 (Table 18).

Table 18. Nutrient Wise Supply/Demand situation during Kharif 2020

Description	('000 Tonnes)						
	Nitrogen	Phosphate	Potash	Total	Urea	DAP	Nitrophos (NP)
Opening Balance	392 (207)	259 (320)	16 (17)	668 (544)	591 (135)	500 (602)	92 (107)
Domestic production	1,706 (1,705)	302 (274)	9 (9)	2,017 (1,988)	3,104 (3,265)	409 (443)	461 (267)
Imports	113 (118)	256 (160)	20 (16)	389 (294)	- (101)	546 (330)	-
Total Availability	2,211 (2030)	817 (754)	46 (42)	3,074 (2826)	3,695 (3501)	1,455 (1376)	553 (374)
Offtake	1,872 (1,703)	650 (532)	33 (22)	2,555 (2,257)	3,188 (3,024)	1,162 (974)	384 (291)
Export	- -	- -	- -	- -	- -	- -	- -
Adjustment (+)(-)	-2 (-1)	11 (-1)	-0.4 (-1)	8 (-2)	-34 (-8)	4 (3)	3 (7)
National Inventory	337 (327)	179 (221)	13 (19)	528 (567)	473 (470)	297 (405)	172 (89)

Note: Figures in parenthesis are for Kharif 2019. 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 2555 thousand nutrient tonnes which witnessed an increase by 13.2 per cent compared with 2019. Nitrogen offtake as proportion of supply was well below 80 per cent mark from April to September 2020, which is a reflection of satisfactory situation (Table 19, Figure 7). Phosphate offtake also did not exceed 50 per cent, which is indicative of comfortable situation. The closing stock was about 528 thousand tonnes. The data are summarized in Table 18 and the month-wise nutrient supply/demand situation during Kharif 2020 may be seen in Annex-8. Month and nutrient-wise availability, its offtake, and offtake as proportion of availability are given in Table 19.

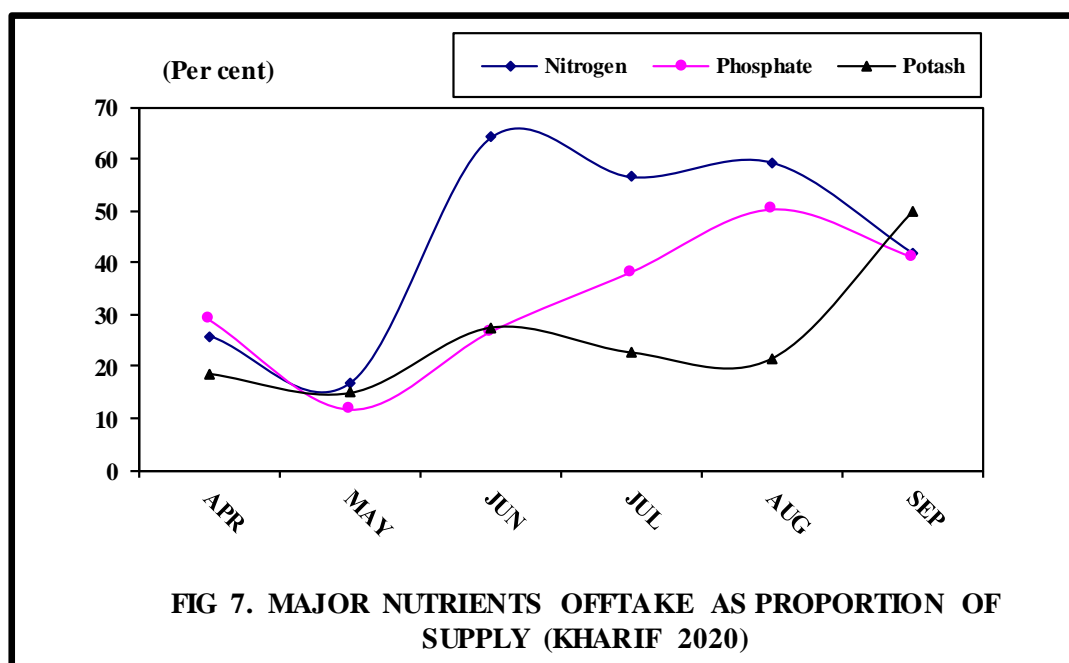


Table 19. Total supply and offtake of fertilizer nutrients during Kharif 2020

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-20	674	308	19	174	89	3.5	26	29	19
May-20	803	305	18	134	36	2.7	17	12	15
Jun-20	937	359	17	601	96	4.7	64	27	28
Jul-20	628	368	20	355	140	4.6	57	38	23
Aug-20	608	329	22	361	165	4.8	59	50	22
Sep-20	588	300	25	246	123	12.6	42	41	50

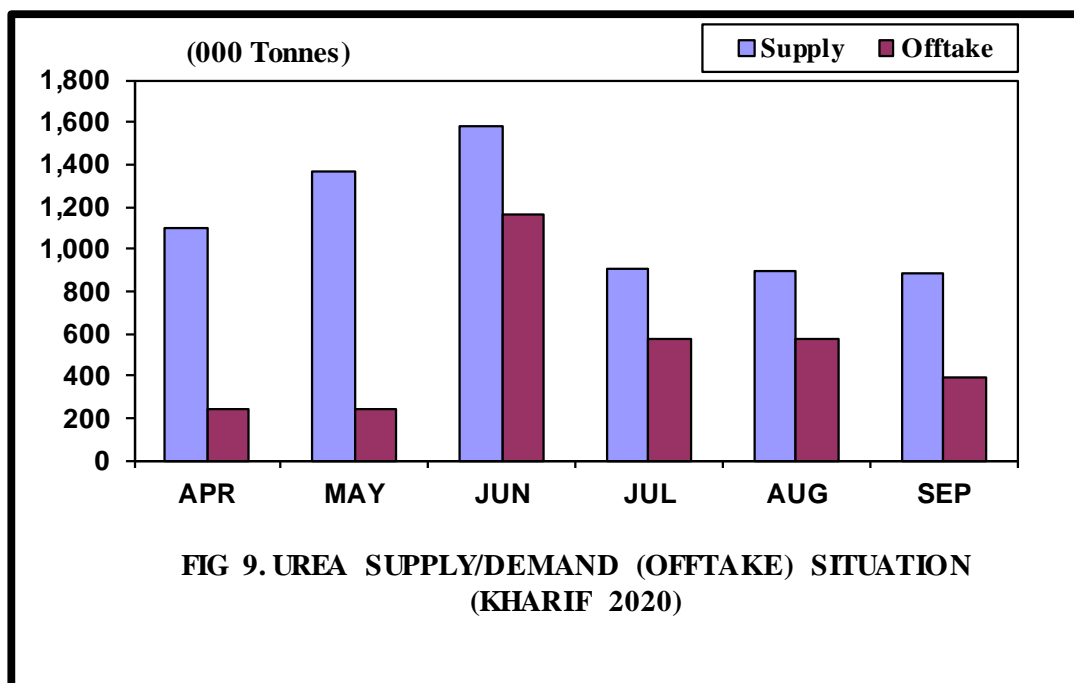
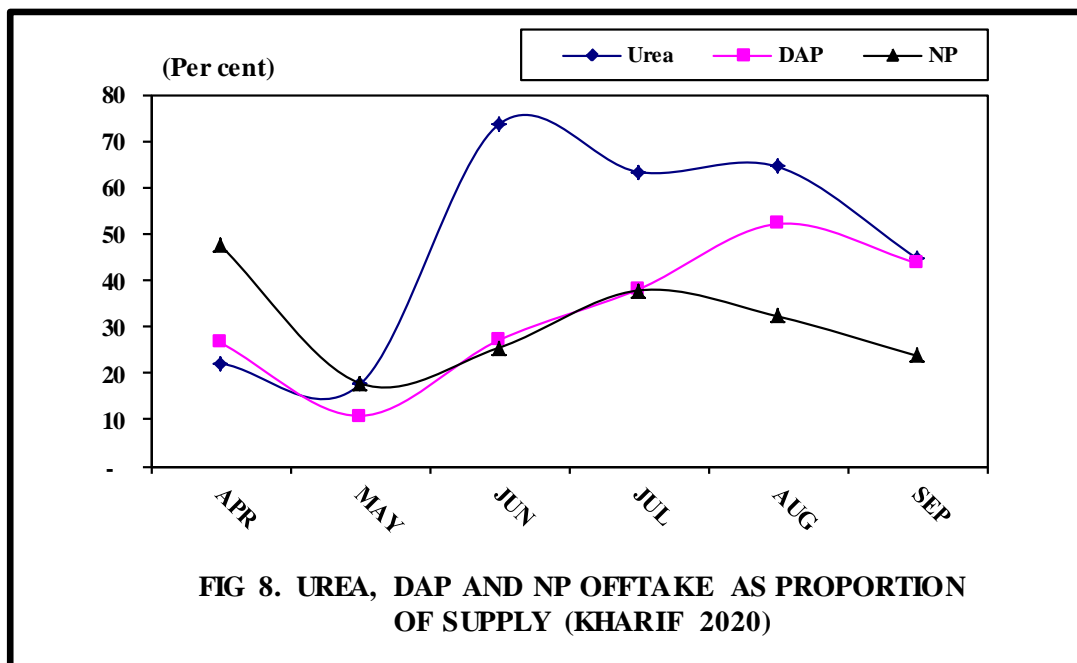
7.2 Urea supply/demand situation during Kharif 2020

Kharif 2020 opened with a balance of about 591 thousand tonnes of urea. Domestic production was 3104 thousand tonnes, thereby making total availability of 3695 thousand tonnes. Total urea offtake was about 3188 thousand tonnes, representing an increase of 5.4

Table 20. Total supply and offtake of principal products during Kharif 2020

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-20	1,096	567	169	242	151	80	22	27	48
May-20	1,367	563	174	240	61	31	18	11	18
Jun-20	1,583	649	220	1,165	176	56	74	27	25
Jul-20	908	660	233	575	251	88	63	38	38
Aug-19	890	566	230	573	295	74	64	52	32
Sep-20	879	523	226	393	228	54	45	44	24

per cent over Kharif 2019 (Table 17). Urea offtake as proportion of supply during Kharif 2020 did not exceed 80 per cent mark which reflect comfortable situation (Table 20). Closing balance of Kharif 2020 for urea was 473 thousand tonnes which is a comfortable opening inventory for coming season. The offtake of urea vs. supply may be seen in Figure 8 and 9.

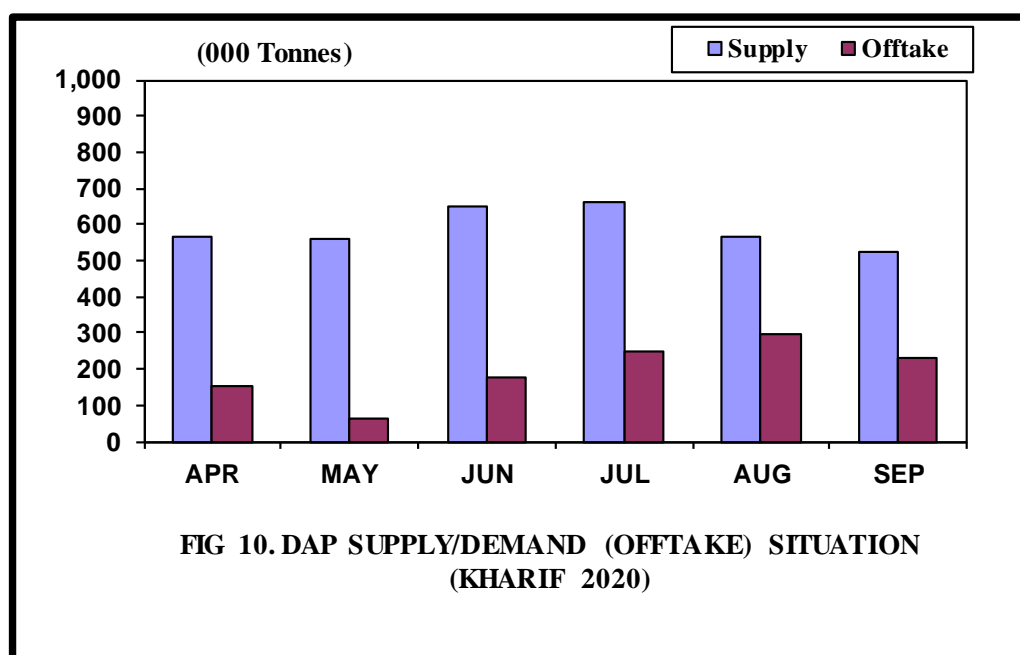


Urea offtake during Kharif 2020 compared with the last seasons is shown in Annex-6. The summarized data are given in Table 18. Month-wise total supply of urea, its offtake and offtake as proportion of availability are shown in Table 20 and the month-wise supply/demand situation in respect of urea and other products is presented in Annex-10. Consolidated supply/demand situation is shown in Annex-18.

7.3 DAP supply/demand situation during Kharif 2020

Total availability of DAP was 1455 thousand tonnes which comprised opening inventory of 500 thousand tonnes, domestic production of 409 thousand tonnes and imports of 546 thousand tonnes. Offtake of DAP remained 1162 thousand tonnes during Kharif 2020. DAP offtake in proportion to supply remained below 70 per cent mark. The closing stock worked out was 297 thousand tonnes at the end of Kharif 2020 (Table 18 and 20).

DAP offtake during Kharif 2020 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 2020

With the opening stock of 92 thousand tonnes and domestic production of 461 thousand tonnes, total availability during Kharif 2020 was 553 thousand tonnes. Total offtake remained 384 thousand tonnes. The closing stock was 172 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 2020-21

8.1 Domestic production

During Rabi 2020-21 (October–March), the domestic industry produced about 4344 thousand product tonnes or 1964 thousand nutrient tonnes (3912 thousand product tonnes or 1802 thousand nutrient tonnes in Rabi 2019-20) showing an increase of 11 per cent in product terms and 9 per cent in nutrient terms compared with Rabi 2019-20. Nitrogen production was

1667 thousand tonnes (1571 thousand nutrient tonnes during Rabi 2019-20) showing an increase of 6.2 per cent and phosphate production increased by 28.6 per cent. Nitrogen occupied 84.9 per cent share in total domestic production, while phosphate accounted for 14.6 per cent share.

Of the seven fertilizer products produced in the country, the share of urea in the total production during Rabi 2020-21 was 69.5 per cent (76.9 per cent in Rabi 2019-20) followed by DAP 8.0 per cent (8.3 per cent during Rabi 2019-20), CAN 9 per cent (5.9 per cent during Rabi 2019-20), NP 10.8 per cent (6.9 per cent in Rabi 2019-20), SSP 1.4 per cent (0.7 per cent during Rabi 2019-20) and NPK's of various grades 0.9 per cent (0.9 per cent during Rabi 2019-20). Urea production was 3017 thousand product tonnes during Rabi 2020-21, showing an increase of 0.3 per cent over previous season 2019-20. The production of SSP increased by 113.2 per cent while, that of DAP increased by 7.2 per cent. The production of NP increased by 74.8 per cent. Tonnage-wise, the domestic industry produced the following quantities during Rabi 2020-21: Urea 3017, DAP 348, NP 469, CAN 403, SSP 62, various grades of NPK's 39 and SOP 5 thousand tonnes.

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

Table 21. Domestic fertilizer production during Rabi 2019-20 and 2020-21

Products	Manufacturer	Rabi 2019-20 Production (‘000 t)	Per cent share	Rabi 2020-21 Production (‘000 t)	Per cent share	Per cent change in Rabi 2020-21 over Rabi 2019-20
PRODUCTS						
UREA	Fatimafert (DHCL)	86	2.2	109	2.5	27.2
UREA	EFERT	1128	28.8	1094	25.2	-3.1
UREA(PFL)	PAK ARAB	2	0.1	33	0.8	-
UREA(PAFL)	Agritech	65	1.7	83	1.9	27.0
UREA (Prilled)	FFC	859	22.0	832	19.2	-3.1
UREA (Granular)	FFBL	234	6.0	233	5.4	-0.3
UREA (PSFL)	FFC	420	10.7	382	8.8	-9.1
UREA	Fatima	214	5.5	251	5.8	17.4
UREA	TOTAL	3,009	76.9	3017	69.5	0.3
SSP (J. WAL 18%)	LCFL	-	-	-	-	-
SSP (H. PUR 18%)	Agritech	24	0.6	36	0.8	50.1
SSP	Suraj Fertilizers	4	0.1	25	0.6	531
SSP	Safi Chemicals	1	0.02	0.3	0.01	-61
SSP	TOTAL	29	0.7	62	1.4	113.2
NP	PAK ARAB	70	1.80	169	3.9	140
NP	EFERT	21	0.5	37	0.8	73.0
NP	Fatima	177	4.5	264	6.1	49.0
NP	TOTAL	269	6.9	469	10.8	74.8
CAN	PAK ARAB	62	1.60	150	3.5	140
CAN	Fatima	177	4.5	253	5.8	0.0
CAN	TOTAL	240	5.9	403	9	67.9
SONA-DAP	FFC	324	8.3	348	8.0	7.2
SOP	Pacific Exim Pvt Ltd.	4	0.10	5	0.1	40
NPK (Various Grades)	EFERT	37	0.9	39	0.9	5.2
NPK (Various Grades)	Safi Chemicals	-	-	-	-	-
ALL PRODUCTS	TOTAL	3,912	100	4,344	100.0	11.0
NUTRIENTS						
	Nitrogen Total	1571	87.1	1667	84.9	6.2
	Phosphate Total	223	12.4	287	14.6	28.6
	Potash Total	9	0.5	10	0.5	14.4
	Nutrients Total	1802	100	1964	100	9.0

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

8.2 Fertilizer imports during Rabi 2020-21

Fertilizer imports during Rabi 2020-21 were about 587 thousand tonnes which represented decrease of 36 per cent compared with Rabi 2019-20. In nutrient terms, 362 thousand tonnes were imported which was 37 per cent less than that of previous Rabi season.

Nitrogen and phosphate imports occupied 28.0 and 68.3 per cent share in the total imports, respectively. Volumes of imported fertilizer during Rabi 2020-21 comprised of DAP 526, MOP 13, SOP 11, AS 26 and MAP 10 thousand tonnes. The summarized product-wise and nutrient-wise data are given in Table 22. Month-wise details are presented in Annex-20.

Table 22. Fertilizer imports during Rabi 2019-20 and 2020-21

Products	Rabi 2019-20		Rabi 2020-21		Per cent change in Rabi 2020-21 Over Rabi 2019-20
	Imports (‘000t)	Per cent share	Imports (‘000t)	Per cent share	
PRODUCTS					
Urea	-	-	-	-	-
DAP	848	92.3	526	90	-38
SSP	-	-	-	-	-
SOP	8	0.9	11	1.9	42
MOP	15	1.7	13	2.24	-15
NP	-	-	-	-	-
AS	25	2.7	26	4.4	3
MAP	22	2.4	10	1.7	-54
All Products	919	100	587	100	-36
NUTRIENTS					
Nitrogen	160	27.9	101	28.0	-37
Phosphate	401	69.8	247	68.3	-38
Potash	13	2.3	14	3.8	2
Total	575	100	362	100	-37

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

9. FERTILIZER OFFTAKE/CONSUMPTION DURING RABI 2020-21

9.1 Fertilizer offtake/use by nutrients

Rabi 2020-21 showed an increase of 12.9 per cent in terms of nutrient offtake over last Rabi 2019-20 (Table 23). Total offtake was 2558 thousand nutrient tonnes. Nitrogen offtake showed an increase by 14.4 per cent (4.0 per cent decrease during Rabi 2019-20), phosphate increased by 7.3 per cent (3.6 per cent decrease during Rabi 2019-20) and potash offtake increased by 40.6 per cent (4.1 per cent decrease in Rabi 2019-20). Nitrogen claimed 74.2 per cent share in total nutrient offtake (73.2 per cent during Rabi 2019-20). Phosphate offtake captured 24.4 per cent share (25.7 per cent during Rabi 2019-20), while potash share remained 1.4 per cent during Rabi 2020-21.

The summarized data are presented in Table 23, 25 and Annex-21 and the monthly nutrient offtake during Rabi 2020-21 compared with the last four seasons is given in Annex-3.

Table 23. Fertilizer nutrient offtake during Rabi 2020-21 compared with previous seasons

Nutrient	('000 tonnes)					
	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Nitrogen	1,527	1,807	1,781	1,727	1,658	1,898
Phosphate	774	847	735	604	583	625
Potash	13.9	24.0	29.0	25.8	24.8	34.9
Total	2,315	2,678	2,545	2,357	2,266	2,558
N:P Ratio	1.97	2.13	2.42	2.86	2.85	3.04
						(% Change)
Nitrogen		18.4	-1.4	-3.1	-4.0	14.4
Phosphate		9.3	-13.2	-17.7	-3.6	7.3
Potash		72.3	20.8	-10.7	-4.1	40.6
Total		15.7	-5.0	-7.4	-3.9	12.9

9.2 Province-wise nutrient offtake during Rabi 2020-21

At national level nutrient offtake during Rabi 2020-21 increased by 12.9 per cent. Increase of 18.3, 4.4 and 16.2 per cent over Rabi 2019-20 was witnessed in Punjab, Sindh and KP, respectively. Offtake in Balochistan decreased by 26 per cent.

Nutrient-wise, nitrogen offtake during Rabi 2020-21 witnessed an increase of 14.4 per cent at national level. The increase in nitrogen offtake was 19.8, 5.8 and 17.3 per cent in Punjab, Sindh and KP, respectively. Offtake of nitrogen in Balochistan decreased by 21.5 per cent.

Phosphate offtake during Rabi 2020-21 increased by 7.3 per cent at national level. Increase of 13.4 and 10.6 per cent was observed in Punjab and KP, while phosphate offtake decreased by 1.8 and 39.8 per cent in Sindh and Balochistan, respectively.

Potash offtake also witnessed an increase of 40.6 per cent over 2019-20 at national level. An increase of 36.4 per cent was observed in Punjab, 58.4 per cent in Sindh, 48.8 per cent in KP and 22.5 per cent in Balochistan during Rabi 2020-21 over Rabi 2019-20.

The share of Punjab in overall nutrient offtake on five-year average basis was 70.1 per cent, followed by Sindh 22.6 per cent, KP 4.2 per cent and Balochistan 3.1 per cent. Aggregated data comparing the last five seasons are reflected in Table 24 and the detailed month, province and nutrient-wise data for Rabi 2020-21 compared with the last 5 seasons are presented in Annex-4.

Table 24. Province-wise nutrient offtake during Rabi 2020-21 compared with previous seasons

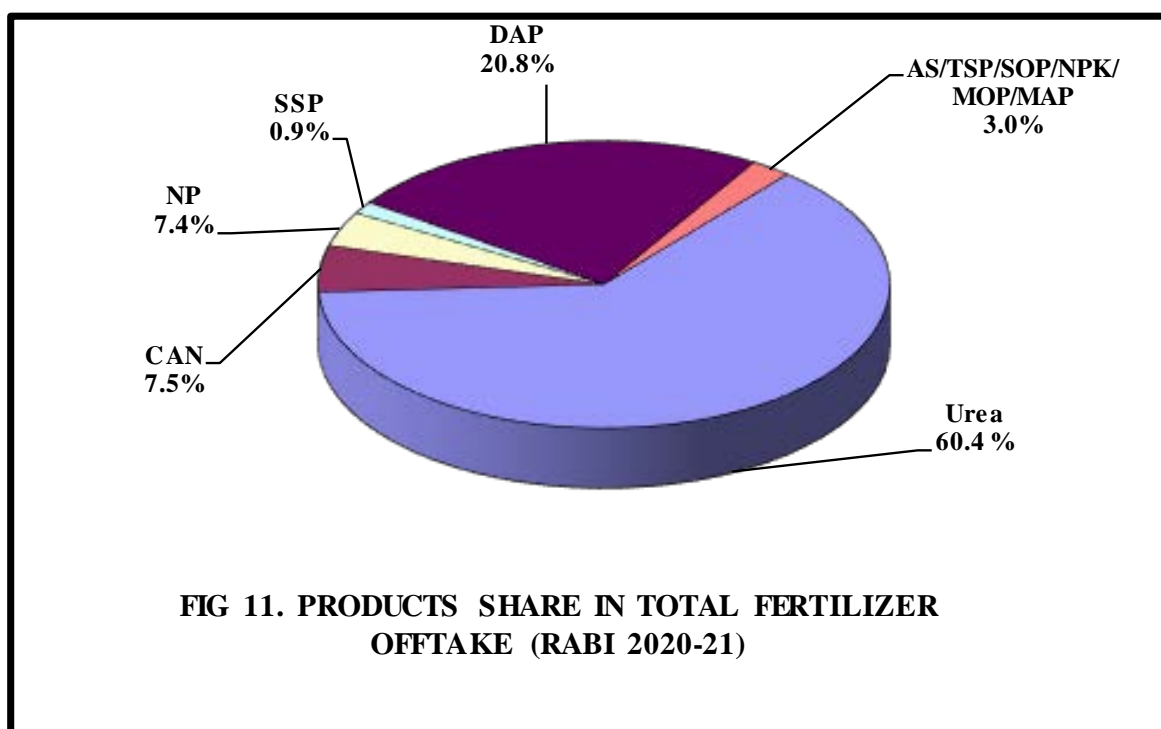
('000 tonnes)

Province	Rabi 2016-17	Rabi 2017-18	Rabi 2018-19	Rabi 2019-20	Rabi 2020-21	Per cent change in Rabi 2020-21 over Rabi 2019-20	Provincial share (Average 5 years) Per cent
Total							
Punjab	1,909	1,810	1,645	1,526	1,806	18.3	70.1
Sindh	587	565	548	537	561	4.4	22.6
KP	113	99	94	99	115	16.2	4.2
Balochistan	70	71	70	103	76	-26.0	3.1
AJK/FATA	-	0.3	0.3	-	-		0.00
Total	2,678	2,545	2,357	2,266	2,558	12.9	100
Per cent change over previous year		-5.0	-7.4	-3.9	12.9		
Nitrogen							
Punjab	1,258	1,250	1,200	1,108	1,327	19.8	69.2
Sindh	420	411	406	401	424	5.8	23.2
KP	78	68	71	74	87	17.3	4.3
Balochistan	52	52	51	75	59	-21.5	3.3
AJK/FATA	-	0.2	0.2	-	-		0.0
Total	1,807	1,781	1,727	1,658	1,898	14.4	100
Per cent change over previous year		-1.4	-3.1	-4.0	14.4		
Phosphate							
Punjab	633	538	427	400	454	13.4	72.3
Sindh	163	150	137	132	130	-1.8	21.0
KP	33	29	21	23	25	10.6	3.9
Balochistan	17	18	19	27	16	-39.8	2.9
AJK/FATA	-	0.1	0.1	-	-		0.0
Total	847	735	604	583	625	7.3	100
Per cent change over previous year		-13.2	-17.7	-3.6	7.3		
Potash							
Punjab	17.6	22	18	18	24	36.4	71.6
Sindh	4.0	4	5	4	7	58.4	17.9
KP	1.6	2	2	2	2	48.8	7.2
Balochistan	0.8	1.0	0.9	0.9	1.1	22.5	3.4
AJK/FATA	-	-	-	-	-		-
Total	24.0	29.0	25.9	24.8	34.9	40.6	100
Per cent change over previous year		20.8	-10.7	-4.1	40.6		

9.3 Fertilizer offtake/use by product during Rabi 2019-20 and Rabi 2020-21

A total of 5335 thousand product tonnes were consumed during Rabi 2020-21, which represented an increase of 15.3 per cent over last Rabi season. The offtake of domestic products increased by 22 per cent, while that of imported fertilizers decreased by 14.6 per cent as compared to Rabi 2019-20.

Among various products, urea accounted for 60.4 per cent share in total fertilizer offtake, followed by DAP with 20.8 per cent (Figure 11). The shares of CAN, SSP and NP were 7.5, 0.9, and 7.4 per cent, respectively. The cumulative share of remaining products was 3.0 per cent. The share of domestic products in total fertilizer offtake was 86.4 per cent (81.6 per cent during Rabi 2019-20), while that of imported fertilizer 13.6 per cent (18.4 per cent during Rabi 2019-20).



The consolidated product-wise fertilizer offtake during Rabi 2019-20 and Rabi 2020-21 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 Rabi 2019-20 and 2020-21

('000 tonnes)

Products	Rabi 2019-20	Per cent Share	Rabi 2020-21	Per cent Share	Per cent change in Rabi 2020-21 over 2019-20
Urea domestic	2839	61.3	3225	60.4	13.6
Urea imported	33	0.7	0	0.0	-100.0
Total Urea	2,872	62.1	3225	60.4	12.3
CAN domestic	250	5.4	403	7.5	61.0
NP domestic	275	5.9	393	7.4	43.2
NP Imported	3	0.1	0.1	0	0.0
Total NP	277	6.0	393	7.4	41.7
SSP domestic	35	0.8	47	0.9	33.7
SSP Imported	0.2	0.0	0.0	0.0	-
Total SSP	35	0.8	47	0.9	33.0
DAP domestic	341	7.4	483	9.1	41.7
DAP Imported	738	15.9	625	11.7	-15.3
Total DAP	1,079	23.3	1108	20.8	2.7
TSP Imported	-	-	-	-	-
SOP domestic	2	-	7	0.13	-
SOP Imported	19	0.4	18	0.3	-3.6
NPK's domestic	35	0.8	51	1.0	43.7
MOP Imported	13	0.3	22	0.4	61.1
MAP Imported	13	0.29	8	0.15	0.0
AS Imported	31	0.66	53	1.00	74.1
Grand Total	4,627	100.0	5335	100.0	15.3
Total domestic	3,777	81.6	4609	86.4	22.0
Total Imported	850	18.4	726	13.6	-14.6

A. DOMESTIC PRODUCTS

Nitrogen	1502	66.3	1773	69.3	18.1
Phosphate	236	10.4	333	13.0	41.3
Potash	7	0.3	13	0.5	73.5
Total	1,745	77.0	2120	82.9	21.5

B. IMPORTED PRODUCTS

Nitrogen	157	6.9	125	4.9	-20.4
Phosphate	347	15.3	292	11.4	-15.9
Potash	17	0.8	22	0.9	26.4
Total	521	23.0	438	17.1	-15.8
Grand Total (A+B)	2,266	100.0	2,558	100.0	12.9

C. TOTAL PRODUCTS

Nitrogen	1,658	73.2	1,898	74.2	14.4
Phosphate	583	25.7	625	24.4	7.3
Potash	24.8	1.1	35	1.4	40.6
Total	2,266	100.0	2,558	100.0	12.9

9.4 Province-wise urea and DAP offtake/consumption during Rabi 2020-21

Urea offtake during Rabi 2020-21 increased by 12.3 per cent over Rabi 2019-20 at national level. Increase by 16.7, 5.3 and 18 per cent was registered in Punjab, Sindh and KP provinces, respectively while decrease of 20.1 per cent was observed in Balochistan.

At national level, DAP offtake witnessed an increase of 2.7 per cent during Rabi 2020-21 as compared to same time frame of Rabi 2019-20. An increase of 8.6 per cent was observed in Punjab and KP each, whereas decrease of 5.7 and 47.9 per cent in Sindh and Balochistan was recorded.

On five years data average basis, the share of Punjab in urea offtake was 68 per cent, Sindh 23.9, KP 4.6 and Balochistan 3.4 per cent. As regards DAP offtake on provincial basis, Punjab's share was 73.2 per cent, Sindh 20.5, KP 3.5 and Balochistan 2.8 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 2020-21 compared with the last five seasons is presented in Table 26. Detailed province-wise urea and DAP offtake comparison of Rabi 2020-21 with last five seasons is given in Annexure-6 whereas province-wise offtake of all products for Rabi 2019-20 and 2020-21 is given at Annex-7.

Table 26. Province-wise offtake of urea and DAP during Rabi 2020-21 compared with previous seasons

Province						('000 tonnes)	
	Rabi 2016-17	Rabi 2017-18	Rabi 2018-19	Rabi 2019-20	Rabi 2020-21	Per cent change in Rabi 2020-21 over Rabi 2019-20	Provincial share (Average 5 years) Per cent
Urea							
Punjab	1958	2024	2091	1897	2214	16.7	68.0
Sindh	705	704	719	706	743	5.3	23.9
KP	137	121	132	139	164	18.0	4.6
Balochistan	92	96	91	130	104	-20.1	3.4
AJK/FATA	-	0.2	0.1	-	-	-	0.00
Total	2,892	2,944	3,033	2,872	3,225	12.3	100.0
Per cent change over previous year		1.8	3.0	-5.3	12.3		
DAP							
Punjab	1220	1039	829	753	818	8.6	73.2
Sindh	301	279	261	239	225	-5.7	20.5
KP	57	53	38	36	39	8.6	3.5
Balochistan	29	33	36	51	27	-47.9	2.8
Total	1,608	1,404	1,164	1,079	1,108	2.7	100.0
Per cent change over previous year		-12.7	-17.1	-7.3	2.7		

10. SUPPLY/DEMAND SITUATION DURING RABI 2020-21

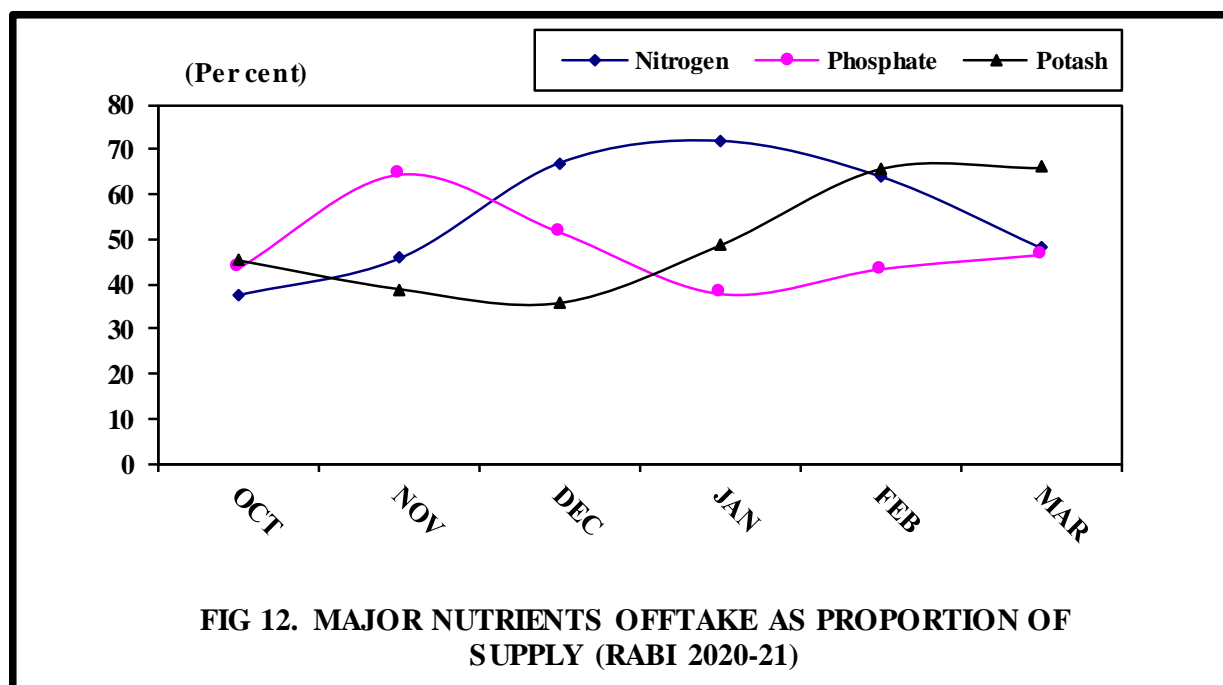
10.1 Nutrient-wise supply/demand situation

Rabi 2020-21 started with an opening inventory of about 528 thousand nutrient tonnes. Domestic production was about 1964 thousand nutrient tonnes. Imports were 362 thousand nutrient tonnes. Total availability was therefore, 2854 thousand nutrient tonnes (Table 27). Total nutrient offtake during Rabi 2020-21 was about 2558 thousand nutrient tonnes. The closing stock was 320 thousand tonnes. Figure 12 presents major nutrients offtake as proportion of supply during Rabi 2020-21. It may be seen that nitrogen offtake as proportion of supply did not exceed 80 per cent mark during Rabi 2020-21, which is a sign of comfortable situation (Table 28).

Table 27 Fertilizer supply/demand situation during Rabi 2020-21

(000 tonnes)							
Description	Nitrogen	Phosphate	Potash	Total	Urea	DAP	Nitrophos
Opening Balance	337 (327)	179 (221)	13 (19)	528 (567)	473 (470)	297 (405)	172 (89)
Domestic production	1,667 (1,571)	287 (223)	10 (9)	1,964 (1802)	3017 (3009)	348 (324)	469 (269)
Imports	101 (160)	247 (401)	14 (13)	362 (575)	- -	526 (848)	- -
Total Availability	2,105 (2,057)	712 (845)	36 (42)	2,854 (2,944)	3,490 (3,478)	1,171 (1,578)	642 (358)
Offtake	1,898 (1,658)	625 (583)	35 (25)	2,558 (2266)	3225 (2872)	1108 (1079)	393 (277)
Exports	- -	- -	- -	- -	- -	- -	- -
Adjustment (+)(-)	16.8 (-7.5)	3 (-3)	3.7 (-0.2)	24 (-11)	32 (-15)	-5 (1)	14 (12)
National Inventory	224 (392)	91 (259)	4.9 (16)	320 (668)	298 (591)	58 (500)	263 (92)

Note: Figures in parenthesis are for Rabi 2019-20. Quantities less than one thousand are not given in this Table. Small variations may be due to rounding of figures.



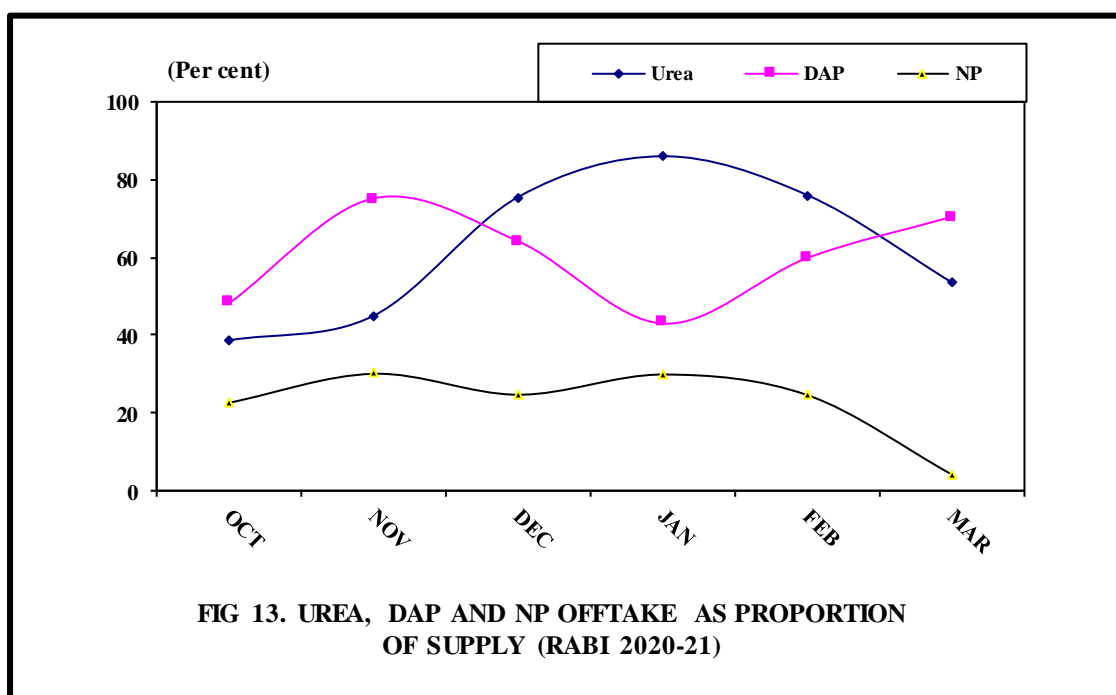
The data are summarized in Table 27. The month-wise nutrient supply/demand situation during Rabi 2020-21 may be seen in Annex-8. Consolidated nutrient-wise supply/demand situation may be seen at Annex-22 and month-wise availability and offtake as proportion of availability is reflected in Table 28.

Table 28. Total supply and offtake of fertilizer nutrients during Rabi 2020-21

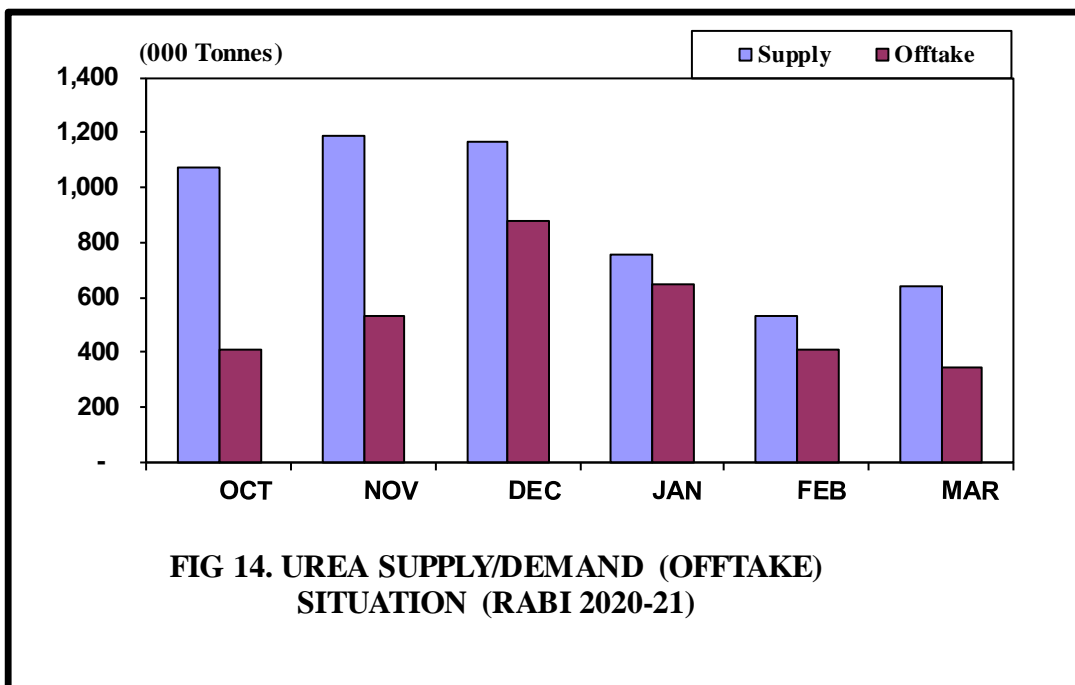
Months	Total availability ('000 tonnes)			Offtake ('000 tonnes)			Offtake as proportion of availability (per cent)		
	Nitrogen	Phosphate	Potash	Nitrogen	Phosphate	Potash	Nitrogen	Phosphate	Potash
Oct-20	681	284	18	256	123	8	38	44	45
Nov-20	754	289	13	344	187	5	46	65	39
Dec-20	721	217	11	482	112	4	67	52	36
Jan-21	512	166	11	367	63	5	72	38	49
Feb-21	381	141	9	243	61	6	64	43	66
Mar-21	431	170	10	207	79	7	48	47	66

10.2 Urea supply/demand situation during Rabi 2020-21

Rabi 2020-21 opened with a balance of about 473 thousand tonnes of urea. Domestic production was about 3017 thousand tonnes, thereby making a total availability of 3490 thousand tonnes (Table 27). Urea offtake during Rabi 2020-21 was 3225 thousand tonnes, which showed increase of 12.3 per cent compared with Rabi 2019-20. Urea offtake as proportion of supply was above 80 per cent mark during January, 2021 (Figure 13). The closing stock was 298 thousand tonnes, at the end of March 2021 (Table 27 and 29). Supply vs. offtake is shown in Figure 14.

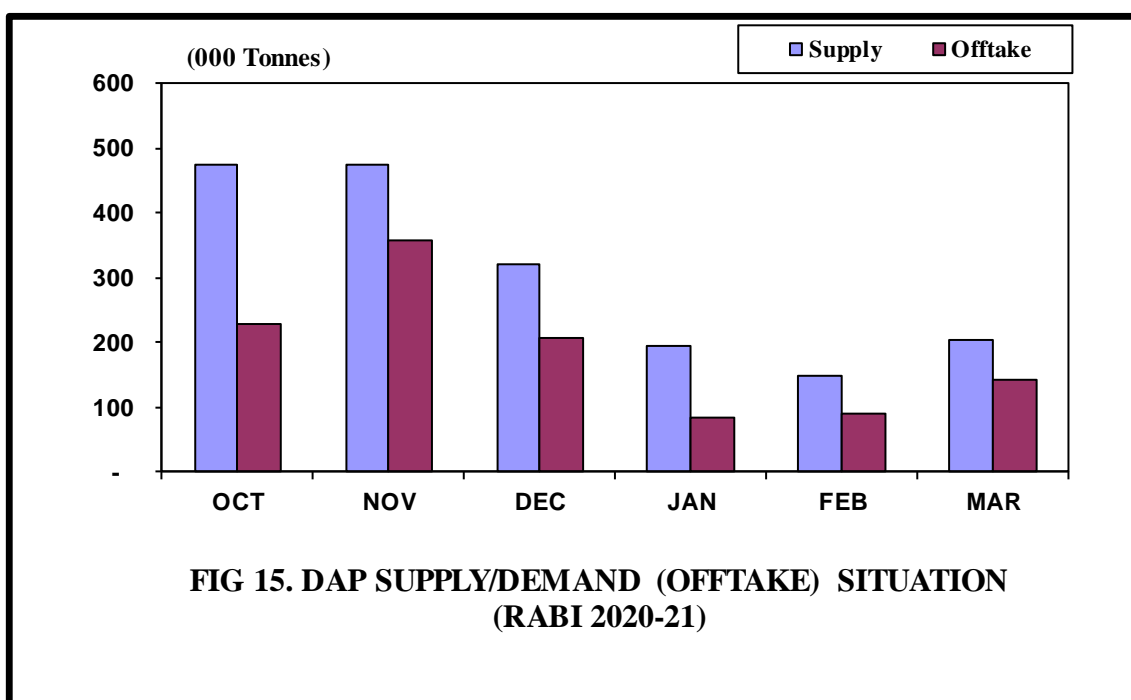


Urea offtake during Rabi 2020-21 compared with last seasons is shown in Annex-6. Month-wise and consolidated supply/demand situation during Rabi 2020-21 is presented in Annex-10 and the consolidated Rabi 2020-21 situation in Annex-23.



10.3 DAP supply/demand situation during Rabi 2020-21

Rabi 2020-21 started with an opening inventory of 297 thousand tonnes of DAP. Total availability, based on opening stock, domestic production (348) and imports (526), was 1171 thousand tonnes (Table 27). Total DAP offtake was about 1108 thousand tonnes, which increased by 2.7 per cent compared with last Rabi season. The closing stock worked out as 58 thousand tonnes by the end of March 2021 (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 2020-21

Rabi 2020-21 started with an opening stock of 172 thousand tonnes. Total availability based on opening stock and domestic production of 469 thousand tonnes was 642 thousand tonnes (358 thousand tonnes during Rabi 2019-20). Total nitrophos offtake during the season was 393 thousand tonnes (277 thousand tonnes during 2019-20) leaving a closing stock of 263 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 2020-21

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-20	1,071	474	255	413	229	58	39	48	23
Nov-20	1,187	476	286	533	357	87	45	75	30
Dec-20	1,167	321	287	881	206	71	75	64	25
Jan-21	755	193	312	649	84	94	86	43	30
Feb-21	535	149	285	406	89	71	76	60	25
Mar-21	642	204	275	343	144	12	53	70	4

11. FERTILIZER PRICES

11.1 Domestic retail prices during Kharif 2020

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 2020-21. The average market prices of most of the products increased during Kharif 2020. Prices of urea (sona) witnessed an increase of 0.3 per cent, while price of urea (other) decreased by 0.3 per cent. Price of DAP and NP increased by 8.2 per cent each. Price of CAN decreased by 0.6 per cent while that of SSP (G) increased by 6.5 per cent. Price of SOP slightly decreased by 0.4 per cent.

Table 30. Average Fertilizer Retail Sale Prices from April 2020 to June 2021

Month	(Rs. per 50 Kg bag)									
	Urea Sona	Urea Other	DAP	NP	CAN	SOP	TSP	SSP(P)	SSP(G)	NPK
Kharif 2020										
Apr-20	1677	1668	3408	2523	1551	4246	-	-	1056	2956
May-20	1663	1650	3394	2533	1545	4246	-	-	1057	2945
Jun-20	1632	1617	3378	2540	1527	4234	-	-	1055	2917
Jul-20	1636	1619	3395	2550	1540	4244	-	-	1063	2923
Aug-20	1665	1641	3467	2578	1532	4215	-	-	1071	2947
Sep-20	1682	1663	3686	2730	1541	4229	-	-	1125	2964
Kharif Avg Price	1659	1643	3455	2576	1539	4236	-	-	1071	2942
% change in Sep,20 over Apr, 20	0.3	-0.3	8.2	8.2	-0.6	-0.4	-	-	6.5	0.3
Rabi 2020-21										
Oct-20	1692	1667	3937	2877	1548	4265	-	-	1201	3008
Nov-20	1688	1667	3985	2880	1539	4267	-	-	1215	3054
Dec-20	1709	1686	4024	2872	1538	4260	-	-	1223	3068
Jan-21	1720	1708	4218	2973	1553	4345	-	-	1237	3122
Feb-21	1740	1720	4687	3332	1550	4537	-	-	1287	3343
Mar-21	1751	1720	5330	3648	1554	4678	-	-	1368	3645
Rabi Avg Price	1717	1695	4364	3097	1547	4392	-	-	1255	3207
% change in Mar,21 over Oct, 20	3.5	3.2	35.4	26.8	0.4	9.7	-	-	13.9	21.2
Apr-21	1745	1713	5427	3709	1547	4774	-	-	1391	3721
May-21	1739	1708	5487	3763	1553	4837	-	-	1400	3762
Jun-21	1748	1714	5546	3821	1564	4892	-	-	1412	3881
Average July,2020 to June,21	1710	1685	4432	3144	1547	4462	-	-	1249	3286
% change in Jun,21 over July,20	6.8	5.9	63.3	49.9	1.5	15.3	-	-	32.9	32.8

Source: Pakistan Bureau of Statistics, Islamabad

11.2 Domestic retail prices during Rabi 2020-21

Prices of all fertilizer products increased during Rabi 2020-21. Average prices of sona urea and other brands increased by 3.5 and 3.2 per cent, respectively. Increase in price of DAP, NP, SSP (G), NPK and SOP was recorded by 35.4, 26.8, 13.9, 21.2 and 9.7 per cent, respectively. This increase is mainly due to upward trend of fertilizer prices in international market.

11.3 Domestic prices during 2020-21

Prices of all the fertilizers were increased significantly during fiscal year 2020-21. The average price of urea (sona) increased by 6.8 per cent, while that of urea (other) increased by

5.9 per cent. The prices of DAP, NP, SOP, SSP, NPK and CAN increased by 63.3, 49.9, 15.3, 32.9, 32.8 and 1.5 per cent, respectively.

11.4 International prices

The average fertilizer prices of urea, DAP and TSP prevalent in international markets during Kharif 2020, Rabi 2020-21 and FY 2020-21 are given in Table 31.

Table 31. Average International Fertilizer Prices during 2020-21

Seasons/Month/Year	(FOB Prices US \$/tonne)				
	Urea Middle East	Urea China	DAP Australia	DAP China	TSP Tunisia
Kharif 2020					
Apr-20	241.6	244.9	277.5	306.8	248.8
May-20	215.8	235.0	277.5	305.6	240.0
Jun-20	218.0	231.3	300.0	307.1	240.0
Jul-20	232.1	230.5	302.5	310.9	239.4
Aug-20	273.4	265.5	318.8	327.9	239.0
Sep-20	270.9	264.3	361.3	350.0	239.0
Kharif Avg Price	242.0	245.2	306.3	318.0	241.0
% change in Sep,20 over Apr, 20	12.1	7.9	30.2	14.1	-3.9
Rabi 2020-21					
Oct-20	264.0	263.4	357.5	358.8	243.5
Nov-20	261.4	274.8	357.5	359.9	247.5
Dec-20	266.0	280.4	392.0	368.6	263.8
Jan-21	314.0	304.8	452.3	426.9	319.4
Feb-21	363.8	352.8	531.9	516.6	423.1
Mar-21	357.5	345.8	552.5	558.1	466.9
Rabi Avg Price	304.4	303.6	440.6	431.5	327.4
% change in Mar,21 over Oct, 20	35.4	31.3	54.5	55.6	91.7
Fiscal year 2020-21					
Apr-21	349.4	336.3	546.4	538.5	495.0
May-21	349.4	356.3	538.9	538.9	501.9
Jun-21	422.5	423.1	616.8	559.5	580.6
Average July,2020 to June 2021	310.4	308.1	444.0	434.5	354.9
% change in Jun,21 over July,20	82.0	83.6	103.9	80.0	142.6

Source: The Argus

11.4.1 Kharif 2020

Urea prices in international market during Kharif 2020 increased by 12.1 per cent in Middle East and 7.9 per cent in China. DAP prices in international market increased by 30.2 per cent in Australia while by 14.1 per cent in China market.

11.4.2 Rabi 2020-21

During Rabi 2020-21, average monthly urea prices in China market ranged between US \$ 263.4 to 352.8 fob/t while in Middle East, it ranged between US \$ 261.4 to 363.8 fob/t. Urea prices in Middle East increased by 35.4 per cent while in China market, it increased by 31.3 per cent. Price of DAP in Australia increased by 54.5 per cent while by 55.6 per cent in China. An increase of 91.7 per cent during Rabi 2020-21 was observed in price of TSP in Tunisia.

11.4.3 Fiscal year 2020-21

During 2020-21, urea fob prices fluctuated between US \$ 232.1 to 422.5/t in Middle East and US\$ 230.5 to 423.1/t in China market. DAP prices witnessed an increase of 103.9 per cent in Australia and prices for DAP increased from US \$ 302.5 in July 2020 to US \$ 616.8/t fob in June 2021. DAP price in China market increased by 80 per cent.

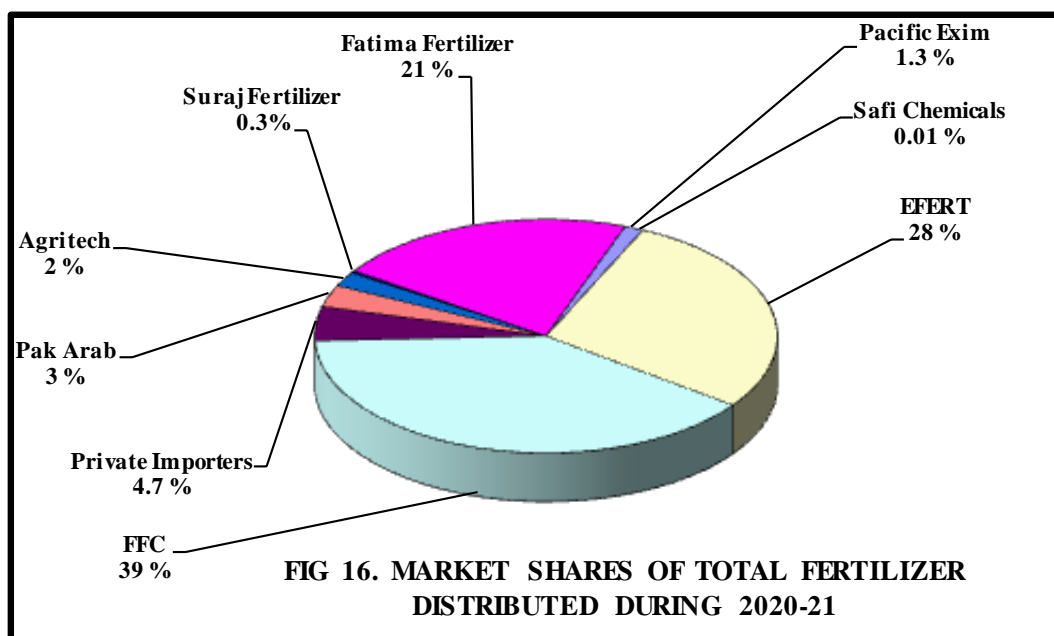
12. MARKET SHARES OF FERTILIZER DISTRIBUTING AGENCIES

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 3,573 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 2020-21

During 2020-21, a total quantity of about 10,487 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 100 per cent in total fertilizer distribution (99 per cent during 2019-20). FFC, EFERT, Pak-Arab, Agritech, Fatima Fertilizer and Pacific Exim market shares were 39, 28, 3, 2.0, 21 and 1.3 per cent, respectively. The share of other private importers was 4.7 per cent (Figure 16).



Private sector handled about 100 per cent of urea (98 per cent during 2019-20). FFC, EFERT, Fatima Fertilizer Limited and Agritech shares in urea marketing were 46, 38, 13 and 3 per cent, respectively.

The shares of FFC, EFERT, Pak-Arab and Fatima Fertilizer in DAP offtake were 54, 17, 2 and 4 per cent, respectively. CAN was moved by Pak Arab (18 per cent) and Fatima Fertilizer Company (82 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 2020-21

SECTOR/AGENCIES	(Per cent)											
	UREA	CAN	NP	SSP	DAP	NPKs	TSP	SOP	MOP	MAP	AS	TOTAL
NFML	-	-	-	-	-	-	-	-	-	-	-	-
Total Public Sector	-	-	-	-	-	-	-	-	-	-	-	-
FFC	46	-	-	-	54	-	-	22	17	-	-	39
EFERT	38	-	9	-	17	100	-	31	36	99	38	28
FatimaFert (DHCL)	-	-	-	-	-	-	-	-	-	-	-	-
PAK ARAB	0	18	11	-	2	-	-	-	-	-	-	3
Agri Tech (Pvt.) Limited	3	-	-	67	-	-	-	-	-	-	-	2
Fatima Fertilizer Company Limited	13	82	80	-	4	-	-	-	-	-	-	21
LCFL (Al Hamd Group)	-	-	-	-	-	-	-	-	-	-	-	-
Suraj Fertilizers	-	-	-	32	-	-	-	-	-	-	-	0.3
Safi Chemicals	-	-	-	2	-	-	-	-	-	-	-	0.01
Pacific Exim	-	-	-	-	6	-	-	23	5	-	5	1.3
Other Private Importers	-	-	0	-	19	-	-	23	43	1	58	4.7
Total Private Sector	100	100	100	100	100	100	-	100	100	100	100	100
Grand Total	100	100	100	100	100	100	-	100	100	100	100	100

12.3 Market shares during Kharif 2020

During Kharif 2020, a total quantity of about 5295 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 100 per cent of total fertilizer volume in product terms. Of this, percentage-wise FFC handled 40.6, EFERT 32.5, Pak Arab 5.4, Agritech Limited 1.3, Fatima Fertilizer Limited 15.4 and private importers 3.9 per cent (Table 33 and Figure 17).

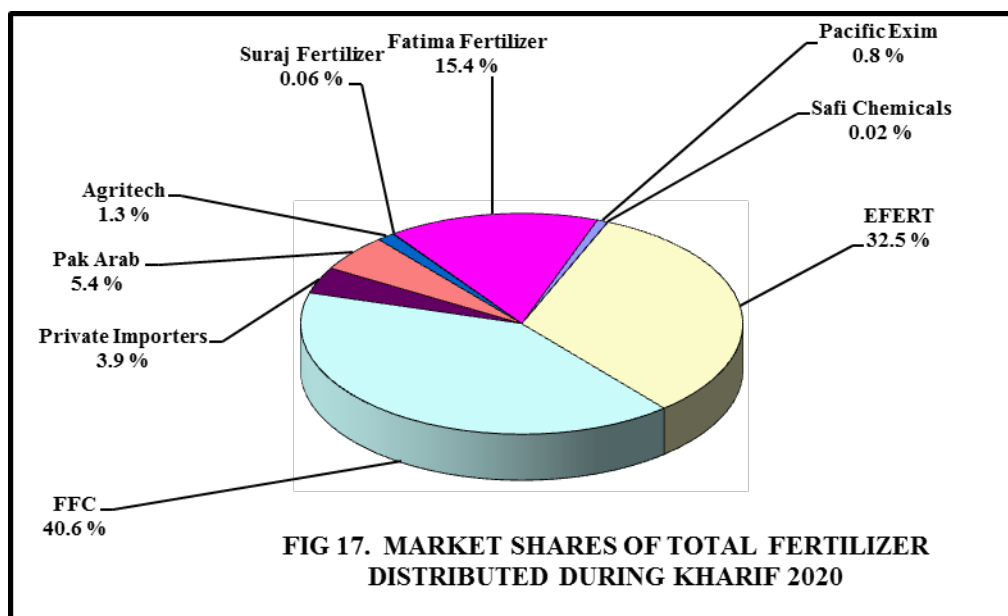


Table 33. Market shares of various fertilizer distribution agencies during Kharif 2020

SECTOR/AGENCIES	(Per cent)											TOTAL
	UREA	CAN	NP	SSP	DAP	NPKs	TSP	SOP	MOP	MAP	AS	
NFML	-	-	-	-	-	-	-	-	-	-	-	-
Total Public Sector	-	-	-	-	-	-	-	-	-	-	-	-
FFC	49	-	-	-	49	-	-	22	19	-	-	40.6
EFERT	41	-	8	-	23	100	-	29	39	99.6	41	32.5
Fatima Fert. (DHCL)	-	-	-	-	-	-	-	-	-	-	-	-
PAK ARAB	0	34	38	-	1	-	-	-	-	-	-	5.4
Agri Tech (Pvt.) Limited	1	-	-	90	-	-	-	-	-	-	-	1.3
Fatima Fertilizer Company Limited	8	66	54	-	10	-	-	-	-	-	-	15.4
LCFL (Al Hamd Group)	-	-	-	-	-	-	-	-	-	-	-	-
Suraj Fertilizers	-	-	-	8	-	-	-	-	-	-	-	0.06
Safi Chemicals	-	-	-	2	-	-	-	-	-	-	-	0.02
Pacific Exim	-	-	-	-	3	-	-	22	3	-	2	0.8
Other Private Importers	-	-	0	-	14	-	-	26	39	0.4	57	3.9
Total Private Sector	100	100	100	100	100	100	-	100	100	100	100	100
Grand Total	100	100	100	100	100	100	-	100	100	100	100	100

12.4 Market shares during Rabi 2020-21

During Rabi 2020-21, a total quantity of about 5335 thousand tonnes of various products were handled by the fertilizer marketing agencies. Out of this, private sector agencies marketed 100 per cent of total fertilizer volume in product tonnes. Percentage-wise FFC handled 39.4, EFERT 26.9, Pak-Arab 0.7, Agritech Limited 2.6, Fatima Fertilizer Limited 22.8 and private importers/distributors 5.7 per cent (Table 34). Detailed agency-wise and product-wise offtake figures are presented in Annex 26 and graphically shown in Figure 18.

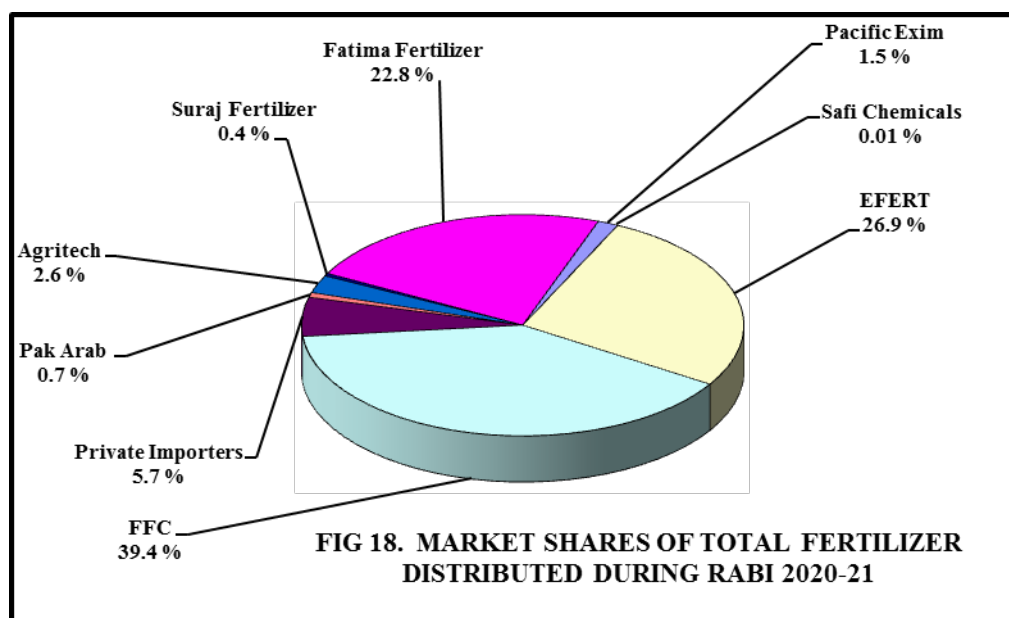


Table 34. Market shares of various fertilizer distribution agencies during Rabi 2020-21

SECTOR/AGENCIES	(Per cent)											
	UREA	CAN	NP	SSP	DAP	NPKs	TSP	SOP	MOP	MAP	AS	TOTAL
NFML	-	-	-	-	-	-	-	-	-	-	-	-
Total Public Sector	-	-	-	-	-	-	-	-	-	-	-	-
FFC	46	-	-	-	55	-	-	22	14	-	-	39.4
EFERT	36	-	10	-	12	100	-	31	36	97	40	26.9
Fatima Fert. (DHCL)	-	-	-	-	-	-	-	-	-	-	-	-
PAK ARAB	0	1	1	-	2	-	-	-	-	-	-	0.7
Agri Tech (Pvt.) Limited	3	-	-	59	1	-	-	-	-	-	-	2.6
Fatima Fertilizer Company Limited	15	99	88	-	-	-	-	-	-	-	-	22.8
LCFL (Al Hamd Group)	-	-	-	-	-	-	-	-	-	-	-	-
Suraj Fertilizers	-	-	-	40	-	-	-	-	-	-	-	0.4
Safi Chemicals	-	-	-	1	-	-	-	-	-	-	-	0.01
Pacific Exim	-	-	-	-	6	-	-	29	5	-	5	1.5
Other Private Importers	-	-	0	-	23	-	-	19	45	3	55	5.7
Total Private Sector	100	100	100	100	100	100	-	100	100	100	100	100
Grand Total	100	100	100	100	106	100	-	129	105	100	105	100

12.5 Fertilizer Dealers Network

The data presented in Table 35 show that there are about 17,000 dealers, out of which 14,746 are appointed by the private sector, while public sector dealers are only 2254.

Table 35. Fertilizer dealers network

Sector	Provinces				Total
	Punjab	Sindh	KP	Balochistan	
A. Public	1829	287	88	50	2254
B. Private	10714	2936	692	404	14746
Total	12543	3223	780	454	17000

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 1,680 and 115 thousand product tonnes, respectively. This excludes some distributors, who have not supplied the requisite information. Total storage capacity is about 1795 thousand product tonnes.

Table 36. Fertilizer warehouses capacity

Sector	000 tons	Per cent Share
A. Public	115	6
B. Private	1680	94
Total	1795	100

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 & Agriculture Research) Punjab

Promotional Programme/Activities

- i. E-voucher based direct subsidy was provided to the registered farmers of Punjab during 2020- 21 on phosphate fertilizers such as DAP (Rs. 500), NP and SSP (Rs. 200) and NPK (Rs. 300 per bag). The subsidy on DAP fertilizer was however, enhanced upto Rs. 1,000 per bag effective from 29.04.2021 in the wake of PM Kharif package implemented with the Financial

Assistance of Federal Government.

- ii. E-voucher based direct subsidy was also provided to the registered farmers of Punjab during 2020-21 on Potash fertilizers such as SOP and MOP @ Rs. 800, and 500 per 50 kg bag.
- iii. Kissan Card has been introduced for registered farmers of Punjab whereby DAP subsidy is transferred through designated fertilizer dealers.
- iv. Subsidy on Zinc Sulphate is also being granted for rice crop for better yield under the National Agriculture Emergency Programme.
- v. Wheat sowing drills with fertilizer attachment will be provided to the farmers of Punjab to enhance efficiency of fertilizers by placing at proper depth during the seed bed preparation.

13.2 Soil Chemistry Section, Institute of Soil Chemistry and Environmental Science, Ayub Agriculture Research Institute Faisalabad

Research Work / Activities during 2020-21

- Heavy metal status of vegetables and fodder irrigated with waste water from different districts of Punjab.
- Identification of crops other than vegetable crops for growing with waste water.
- Micronutrient and heavy metal status in vegetables grown in tunnels.
- Arsenic contamination in rice grain; A potential hazard to the rice growing areas.
- Optimization of pH, temperature, reaction time and NH_4MgPO_4 ratios for struvite formation from wastewater (lab study).
- Estimation of heavy metals from canal irrigated vs. waste water irrigated vegetables.
- Heavy metal determination from phosphate fertilizers available in Punjab.
- To study the toxicity and nutritional requirement of selenium (Se) on growth and yield of wheat/maize - a pot study.
- Assessment of heavy metals in ground water of Faisalabad.
- Comparison of different varieties of maize for hyper accumulation and tolerance to lead (Pb).
- To study the nutrient use efficiency under burnt and retained crop residues in rice/wheat cropping system.
- To study the role of Ni as essential plant nutrient in wheat/mung bean under alkaline- calcareous soils of Pakistan - a pot study.
- Bio-fortification of chickpea/mung bean (*Vigna radiata* L.) with micronutrient (Zn & Fe) application in sandy clay loam soils.
- Cotton growth and yield improvement through foliar application of macro and micronutrients.
- Comparative effect of different sources of N, P and K at different growth stages on

growth, yield and quality of maize/wheat.

- Application of fertilizers through fertigation technique to improve the fertilizer use efficiency of maize/rice crop.
- To study the long term effect of organic and inorganic fertilizers on bio-fortification of maize/wheat grain with Zn & Fe.
- Integrated impact of bio and chemical fertilizers on soil health, growth and yield of pumpkin/onion.
- Micronutrient status of fruits grown in Punjab.
- Nutrient removal by crops.
- Effect of sulphur on oil quantity of cotton/sunflower.
- To study the role of CEC on nutrient dynamics in alkaline calcareous soils of Pakistan.
- Direct and residual effect of sulphur fertilization on soil properties, wheat/maize growth and yield in an integrated approach under alkaline calcareous soils.
- Effect of residue management techniques on P-Fractionation.
- Effect of organic amendments to increase soil health, crop growth, yield and nutrient use efficiency under wheat crop.
- Effect of green manuring on soil physico-chemical properties under rice-berseem cropping pattern.
- Long-term effect of fertilizer use on soil properties.

Soil Chemistry Laboratory Analysis work

4933 determinations were carried out from 1530 soil samples.

13.3 Land Resources Research Institute, National Agricultural Research Centre, Islamabad.

Promotional activities:

- Various set of interventions such as Integrated Nutrient Management (INM), Biozote, HumiNARC and zinc enrichment (ZE) were tested with residue management in "Productivity Enhancement of Rice" project under PSDP. Results showed that paddy yield increased by 9,10,10, and 11 %, respectively.
- INM based demonstrations were carried out throughout the country comprising nutrients (N:P:K:Zn:B = 120:90:60:5:1 kg ha⁻¹) along with Biozote and HumiNARC on eleven (11) sites in "Productivity Enhancement of Wheat" project under PSDP. Results indicated an average increase of 15-25 % in wheat yield over farmer practice (N:P = 80:60 kg ha⁻¹).
- Micronutrient based fertilizer trials were conducted in citrus orchards, Sarghoda. Results showed an increase of > 25 % in citrus production.
- Soil nutrients indexing survey of wheat growing areas was carried out in Mardan

district, Khyber Pakhtunkhawa, and georeferenced maps were developed. Results showed that almost all soils were deficient in NO₃-N and most of the soils were deficient in P, Zn, Fe and B. The widespread nutrient deficiency may be ascribed to lack of micronutrient-based fertilizer application.

- Three farmers' field days were organized in Charsadda, Khyber Pakhtunkhwa and Harnai, Baluchistan on potash and micronutrient management in sugarcane.
- Nutrients indexing survey were carried out in 5 districts (Sargodha, Rahim Yar Khan, Mardan, Charsadda, Shaheed Benazir Abad). Results showed that all the soils were NO₃-N deficient, 90 % phosphorous and 35-40% were potash deficient. Among micronutrients, 40% soil were zinc deficient, 40-50 % Fe deficient and 45 % B deficient.

Soil and crop advisory service:

- Around 400 soil and plant samples were analysed for different soil and plant parameters.

13.4 Fauji Fertilizer Company Limited (FFC)

Number of soil samples analysed = 18,858

Promotional Programme / Activities

- Brand and corporate advertisements were placed in the national as well as regional newspapers and Magazines. Advertisements depicted FFC corporate profile, product range of the company, product quality and toll-free help line service for farmers as well as provision of free agriculture services to the farming community.
- Radio Pakistan and FM Channels were utilized throughout the year. Advertisements were broadcasted in Punjabi, Sindhi and Pashto Languages. Crop documentaries on wheat, cotton and rice were telecasted on PTV Home prior to the onset of their respective seasons. These documentaries highlighted latest agricultural technology, facilitating the farming community in improving their per acre yield. SMS alerts and WhatsApp messages of different agronomic activities and fertilizer recommendations for various crops and orchards were sent to farmers. Furthermore, FFC agriculture experts remained available on FFC toll free helpline throughout the period and addressed farmer issues/queries related to agriculture.
- Seminars, farmer meetings, group discussions and field days were organized across Pakistan for transformation of advance agriculture technology to the farmers. FFC Agriculture experts participated in different Radio and FM talks for educating and answering the queries of farmers pertaining to fertilizer management practices, plant protection measures, selection of certified seed, reclamation of salt affected soils and water management techniques.

- Different training programs were organized for Agriculture (Ext) Departments and Allied Industries throughout the country.
- The following Agriculture Literature was developed and distributed to the farming community along with Agriculture Institutions:
 - Booklets on major crops wheat, cotton, sugarcane, fruits, vegetables, banana, potato and tobacco
 - Flyers displaying brief information about the use of SOP, MOP, Zinc and Boron
 - Flyers for maize, fruits, oil seeds, guava and salt affected soils
 - Fertilizer recommendation book
 - Quarterly agriculture newsletter

13.5 Engro Fertilizer Limited

Promotional Programmes / Activities

Market development activity	Number of activities
Farm visits	39,003
Farmers contacted	13,439
Mega events/ Seminars	52
Group discussion for product briefing / crop production	1,801
Farmer meeting	1,639
Crop demonstration	688

- Engro organized two mega seminars on “Grow More Wheat” in collaboration with Agriculture Department, Government of Punjab to guide the farmers about wheat production technology, balanced and judicious fertilizer recommendation and crop protection technology.
- Kissan Card launch programme was organized in collaboration with Agriculture Department, Govt. of Punjab. This programme was graced by Prime Minister of Pakistan, Chief Minister Punjab, Agriculture Minister for Punjab and other federal and provincial ministers, bureaucracy, agriculture department officials and large number of farmers.
- Engro Zabardast urea campaign was launched during Rabi and Kharif seasons.

Number of soil samples analyzed during the year = 53,914

Water samples analyzed = 514

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

13.7 Fatima Fertilizer Company Limited

i) Farmer advisory services

Activity	Number of activities
High profile farmer meetings	116
Farmer meetings	1,412
Farm advisory visits	36,111
Group discussions with farmers	2673
Soil / irrigation water sampling	37,750
Field days	413
Field demonstrations	323
Agriculture staff trainings	263
High profile farmer testimonial	1703
Collaborative research trials	54
SARSABZ call center for farmer advisory services	24,000

ii) Promotional Programmes / Activities

- Fatima group is collaborating with Chinese research and Agriculture technology providers. In this regard, Fatima group has consulted / discussed (with the Government of Pakistan) the benefits of corporate agriculture farming by bringing latest Chinese precision agriculture technologies.
- Fatima Group conducted various research trials in collaboration with the University of Agriculture Faisalabad on wheat and maize yield per acre. Results revealed that yield of these crops can be increased by 15% with use of high value fertilizer like (Sarsabz nitrophos and calcium ammonium nitrate) over conventional fertilizers.
- Fatima Group organized farmer day with the name “**SALAM KISSAN SARSABZ PAKISTAN**” at Governor House, Punjab on December 18, 2020.
- Fatima Group and USAID under PATTA project are jointly working to increase awareness among small and medium farmers across Pakistan. Farmers are benefiting from joint demonstration learnings and enhancing their crops yields.

- The following crop related literature was revised as per latest agronomic techniques and distributed among the farming community and other stakeholders:
 - Collaborative research trials based crop production technology booklets for wheat, cotton, rice, potato, maize, citrus and direct seeded rice (DSR).
 - Distributed crops specific leaflets regarding best crop management practices based on site specific fertilizer applications as per crop critical growth stages for wheat, cotton, rice, sugarcane, maize (corn), potato, mango, tobacco, and sunflower.

14. FERTILIZER DEMAND FORECAST: OUTLOOK FOR 2021-22

Fertilizer forecasting is a regular 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 to local producers and impact of subsidy etc. This centre also employs econometric as well as agronomic techniques for demand forecast.

The Kharif 2021 season started with opening inventory of 298 thousand tonnes of urea. Domestic production was 3106 thousand tonnes. Thus, total availability of urea was around 3404 thousand tonnes. The offtake of urea was 3258 thousand tonnes. Supply and demand situation with respect to urea remained comfortable with inventory of 116 thousand tonnes for next season.

The available quantity of DAP in Kharif 2021 was 1232 thousand tonnes, which comprised 55 thousand tonnes of opening inventory, 444 thousand tonnes domestic production and 733 thousand tonnes of imported supplies. The offtake of DAP during the season was 889 thousand tonnes. The closing inventory was 353 thousand tonnes. The other fertilizer products such as NP, SSP, MAP and NPK were available in the market to meet the demand of phosphate fertilizer.

Table. 37 Fertilizer Demand Estimates

(000 tonnes)

Year	Nitrogen	Phosphate	Potash	Total Nutrients	Urea	DAP
2019-20	3415	1084	50	4549	6015	1984
2020-21	3711	1228	69	5008	6267	2170
Growth Per cent	8.7	13.3	38	10.1	4.2	9.4
2021-22 (Estimate)	3614	1103	70	4787	6490	1855
Growth Per cent	-2.6	-10.2	1.5	-4.4	3.6	-14.5

The overall offtake for the year 2021-22 has been forecasted as 4787 thousand nutrients tonnes, which is expected to decrease by 4.4 per cent over the last year. The projections up to

March 2022 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 leads as a main staple food of the population. Wheat production during the 2020-21 remained at 27.4 million tonnes as against 25.3 million tonnes production figures of last year. Support price of crops was increased from Rs. 1,400 to Rs. 1,800 per 40 kg for wheat and from Rs. 191 to Rs. 201 per 40 kg for sugarcane. The average price of urea during Kharif 2020 decreased by Rs. 219 and DAP decreased by Rs. 141 per 50 kg bag over Kharif 2019. During Rabi 2020-21, a decrease of Rs. 214 and an increase by Rs. 763 per bag of 50 kg in the average price of Urea and DAP, respectively has been observed over Rabi 2019-20. Agricultural commodity and fertilizer prices are evinced in Table 38.

It was observed that urea (nitrogen) fertilizer remained cheaper for all crops (wheat, rice, sugarcane and seed cotton) at market price and support price during 2020-21 compared with the previous year (Table-39). It was also noticed that DAP (phosphate) fertilizer remained cheaper for wheat (at market price), sugarcane (both support and market price) and seed cotton, while it was slightly expensive for paddy (basmati rice) crop during fiscal year 2020-21 compared with fiscal year 2019-20. The relevant data are presented in Table-39.

Table 38: Commodity and Fertilizer Prices during 2019-20 and 2020-21

Product / Commodity	Price	2019-20		2020-21	
		Support Price	Market Price	Support Price	Market Price
A. Wheat	Rs. Per 40kg	1400	1468	1800	1950
	Rs. Per Kg	35.0	36.7	45.0	48.8
B. Paddy	IRRI (Rs. Per 40kg)	0	1274	0	1259
	IRRI (Rs. Per kg)	0	31.9	0	31.5
	Basmati (Rs. Per 40kg)	0	2255	0	2087
	Basmati (Rs. Per kg)	0	56.4	0	52.2
C. Sugarcane	Rs. Per 40kg	191	235	201	250
	Rs. Per kg	4.8	5.9	5.0	6.3
D. Seed Cotton (Phutti)	Rs. Per 40kg	0	3932	0	4184
	Rs. Per kg	0	98	0	105
E. Fertilizer	<u>Urea Rs/bag (50kg)</u>				
	Kharif	1870	1870	1651	1651
	Rabi	1920	1920	1706	1706
	<u>DAP Rs/bag (50kg)</u>				
	Kharif	3596	3596	3455	3455
	Rabi	3601	3601	4364	4364
	<u>Nitrogen (N) Rs/kg from Urea</u>				
	Kharif	81	81	72	72
	Rabi	83	83	74	74
	<u>Phosphate (P) Rs/kg from DAP</u>				
	Kharif	125	125	122	122
	Rabi	124	124	161	161

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 in fertilizer.

Table 39. Kg of Crop Required to Buy One Kg of Fertilizer Nutrient (N or P₂O₅)

Crop	2019-20		2020-21		Per cent change in 2020- 21 over last year at	
	Support Price	Market Price	Support Price	Market Price	Support Price	Market Price
<u>A. Wheat</u>						
Kg required to buy 1 kg of N from Urea	2.4	2.3	1.6	1.5	-30.9	-33.1
Kg required to buy 1 kg of P ₂ O ₅ from DAP	3.5	3.4	3.6	3.3	0.9	-2.3
<u>B. Paddy</u>						
Kg required to buy 1 kg of N from Urea						
IRRI	-	2.6	-	2.3	-	-10.7
Basmati	-	1.4	-	1.4	-	-4.6
Kg required to buy 1 kg of P ₂ O ₅ from DAP						
IRRI	-	3.9	-	3.9	-	-0.8
Basmati	-	2.2	-	2.3	-	6.0
<u>C. Sugarcane</u>						
Kg required to buy 1 kg of N from Urea	17.0	13.8	14.3	11.5	-16.1	-17.0
Kg required to buy 1 kg of P ₂ O ₅ from DAP	26.1	21.2	24.3	19.5	-6.8	-7.8
<u>D. Seed Cotton</u>						
Kg required to buy 1 kg of N from Urea	-	0.83	-	0.69	-	-17.0
Kg required to buy 1 kg of P ₂ O ₅ from DAP	-	1.27	-	1.17	-	-7.8

*Weighted average Nutrient price of one kg of N from Urea and one kg of P₂O₅ from DAP divided by the price of one kg of respective crop

16. NATURAL GAS CONSUMPTION IN FERTILIZER PRODUCTION AND ITS PRICES DURING 2020-21

16.1 Natural gas Consumption

Fertilizer sector is the fourth 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 2020-21 was 266,796 MMCF. Out of this 82.9 per cent was used as feed stock and 17.1 per cent as fuel. The plant-wise gas consumption data of 2020-21 are given in Table 40 and detailed month-wise figures are in Annex-28.

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.

Table 40. Gas consumption by plants during 2020-21

			(MMCF)
Fertilizer Company	Feed	Fuel	Total
Sui Northern Gas Pipelines Ltd.			
Pak-Arab	-	27	27
Fatimafert	-	-	-
Agritech	-	-	-
Hazara Phosphate	-	52	52
EFERT	38,416	3,212	41,628
Oil and Gas Development Compant Limited			
EFERT	-	3,735	3,735
Liquefied Natural Gas (LNG)			
Agritech	5,607	1,170	6,777
Fatimafert	7,903	1,809	9,712
Sui Southern Gas Company Ltd.			
FFBL	18,519	192	18,711
Mari Gas Company Ltd.			
EFERT	24,649	10,733	35,382
FFC I & II	50,669	11,917	62,586
FFC III	27,177	5,038	32,215
Fatima Fertilizer	34,588	4,718	39,306
Pak- Arab	13,677	2,989	16,666
Total	221,205	45,591	266,796

16.3 Subsidy on Feed Gas

Subsidy on feed gas during 2020-21 was Rs. 132.41 billion which increased by 5 per cent as compared with previous year (Table 42).

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.

Supply of institution-wise agricultural credit disbursement during 2019-20 and 2020-21 is presented in Table 43. Agricultural loans of Rs. 1365.9 billion were disbursed during 2020-21 as against Rs. 1214.7 billion during the last year (2019-20), there by registering an impressive increase of 12.4 per cent. The share of commercial banks and ZTBL was 58.7 and 5.7 per cent, whereas the share of private Banks was 20.1 per cent. Shares of Micro Finance Banks, Islamic Banks and Rural Support Programmes were 9.7, 3.5 and 1.7 per cent, respectively.

Table 41. Gas price for fertilizer production

(Rs/MMBTU)

Effect date	01-01-2019	01-07-2019	01-07-2020	01-09-2020
<u>SNGPL'S SYSTEM</u>				
(i) For Feed Stock				
Agritech	185	300	300	302
Fatimafert/ Pak Arab	185	300	300	302
EFERT	0.7 \$	0.7 \$	0.7 \$	0.70 \$
Hazara Phosphate Fertilizer	185	300	300	302
(ii) For Fuel Generation				
DHCL/Pak Arab/Hazara Phosphate	780	1021	1021	1023
<u>SSGCL'S SYSTEM</u>				
(i) For Feed Stock				
FFBL	185	300	300	302
(ii) For Fuel Generation				
FFBL	780	1021	1021	1023
<u>FOR MARI GAS CO. SYSTEM</u>				
(i) For Feed Stock				
EFERT	185	300	300	302
FFC	185	300	300	302
Fatima Fertilizer	0.7 \$	0.7 \$	0.7 \$	0.70 \$
(ii) For Fuel Generation (Power)				
	780	1021	1021	1023

Source: Oil and Gas Regulatory Authority

Table 42. Implicit subsidy on feed gas for fertilizer production during 2019-20 and 2020-21 (Estimated)

(Rs. Billion)

Manufacturer	2019-20	2020-21	Per cent Change
Sui Northern Gas Pipelines Ltd.			
Pak-Arab	-	-	-
Fatimafert	-	-	-
Agritech	-	-	-
EFERT	30.72	33.26	8
Oil and Gas Development Company Limited			
EFERT	0.08	-	-100
Sui Southern Gas Company Ltd.			
FFBL	13.05	12.68	-2.8
Mari Gas Company Ltd.			
EFERT	14.07	13.33	-5
FFC	43.09	42.10	-2
Fatima Fertilizer	21.83	23.64	8
Pak Arab	3.22	7.40	130
Total	126.06	132.41	5

It may be observed that out of the total disbursement during 2020-21, 92.6 per cent was for production loan and 7.4 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. 505.74 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 91.1 per cent.

Table 43. Institution-wise Agriculture Credit Disbursements during 2020-21

(Rs in Million)

Name of Bank/MFIs	Disbursement during 2019-20	Per cent Share	Disbursement during 2020-21 (July -June 2021)		Total	Per cent Share	Target for 2020-21	Target Achieved during July-June 2021 (%)	Target for 2021-22
			Production	Development					
Commercial Bank									
Allied Bank Limited	69,791	5.7	74,745	3,336	78,081	5.7	80,000	97.6	87000
Habib Bank Limited	186,174	15.3	207,024	3,871	210,895	15.4	210,000	100.4	235,000
MCB Bank Limited	108,849	9.0	125,654	220	125,874	9.2	125,000	100.7	140,000
National Bank of Pakistan	242,034	19.9	266,703	4,864	271,567	19.9	270,000	100.6	310,000
United Bank Limited	101,396	8.3	112,971	2,083	115,054	8.4	115,000	100.0	128000
Total Commercial Banks	708,244	58.3	787,097	14,374	801,471	58.7	800,000	100.2	900,000
Z.T.B.L	62,286	5.1	59,105	19,395	78,500	5.7	105,000	74.8	105,000
P.P.C.B.L	8,825	0.7	7,003	1,202	8,205	0.6	13,000	63.1	13,000
Total Domestic Private Banks	224,970	18.5	210,875	63,650	274,525	20.1	296,000	92.7	367,000
Total Islamic Banks	42,143	3.5	44,912	2,903	47,815	3.5	63,000	75.9	80,000
Total Micro Finance Banks	139,298	11.5	132,070	0	132,070	9.7	182,000	72.6	195,000
Total MFIs/RSPs	28,917	2.4	23,281	0	23,281	1.7	41,000	56.8	40,000
Grand Total (All Banks)	1,214,683	100	1,264,343	101,524	1,365,867	100	1,500,000	91.1	1,700,000

18. GLOBAL AGRICULTURE AND FERTILIZER SITUATION

18.1 AGRICULTURE

According to Food and Agriculture Organization (FAO) of the United Nations, world cereal production was 2768.6 million tonnes during 2020-21 compared to 2,710.7 million tonnes the last year. For 2021-22, wheat production is forecasted to increase by 1.4 per cent while the coarse grain is expected to increase by 2.5 per cent. The increase in rice harvest is estimated by 1.0 per cent (Table-44).

Global cereal production during 2021-22 will surpass previous year by 1.9 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 2,820.9 million tonnes nearly 52.3 million tonnes higher than in 2020-21.

World cereal utilization is tentatively forecast to expand by 1.7 per cent (47.5 million tonnes) to reach a new peak of 2,825.7 million tonnes during 2021-22. Based on FAO's first forecasts for production in 2021-22 and consumption in 2021-22, world cereal inventories by the end of 2021-22 are forecast to reach 811.5 million tonnes, an increase of 0.3 per cent (2.7 million

tonnes). The expected small rise in the level of world cereal inventories, which follows three consecutive seasons of declines, may not be sufficient to prevent a further drop in the stocks-to-use ratio, which is forecast to fall from 28.6 per cent in 2020-21 to 27.9 per cent in 2021-22. FAO's first forecast for world trade in cereals in 2021-22 indicates an increase of only 0.3 per cent from the high level estimated for 2020-21, much will depend on the volume of cereals to be imported by China. World cereal trade in 2020-21 is seen to expand by as much as 6.3 per cent, reaching a peak level of 468 million tonnes. Most of this sharp increase, however, reflects surges in imports of cereals by China, which are expected to rise by 30 million tonnes (123 per cent) from the previous season. (Food Outlook June, 2021).

Table 44. WORLD CEREAL PRODUCTION, SUPPLIES, TRADE AND STOCKS

(Million tonnes)

Particulars	2019-20 (Actual)	2020-21 (Estimated)	2021-22 (Forecast)	Per cent change
Production	2710.7	2768.6	2820.9	1.9
Wheat	760.8	774.8	785.8	1.4
Coarse grains	1447	1479.7	1516.1	2.5
Rice (milled)	502.9	514	519.1	1.0
Supply ¹	3536.0	3590.9	3629.7	1.1
Utilization	2713.7	2778.2	2825.7	1.7
Trade	440.1	468	469.3	0.3
Ending Stocks ²	822.3	808.8	811.5	0.3

Source: Food Outlook June, 2021 ¹Production plus opening stocks ² May not equal to difference between supply and total utilization due to difference in individual country marketing years.

18.2 WORLD FERTILIZER CONSUMPTION

World fertilizer demand increased by 0.6 per cent during 2019-20 to 188.3 million tonnes nutrient, while 5.2 per cent more to 198.2 million tonnes is expected in 2020-21 (Table- 45). The main factors influencing global fertilizer consumption in 2020-21 were improved weather conditions in key countries, higher crop prices and improved fertilizer affordability, increased government support to agriculture and fertilizers, and advance fertilizer purchases in some countries.

In 2020-21, South Asia and Latin America were the main drivers of growth, adding 3.1 Mt nutrients each and accounting for 63% of the global increase in consumption. The next regions ranked according to their contribution to global growth were EECA, North America, Africa, East Asia, Oceania and West Asia. Preliminary forecasts for 2021-22 suggest a 0.9 % growth in global fertilizer demand, because of above mentioned reasons.

Table 45. WORLD FERTILIZER CONSUMPTION BY NUTRIENTS

(Million tonnes)

Year	Nitrogen	Phosphate	Potash	Total
2018-19	104.1	45.5	37.5	187.1
2019-20	105.7	46.3	36.3	188.3
Per cent Change	1.5	1.8	-3.2	0.6
2020-21	110	49.6	38.5	198.2
Per cent Change	4.1	7.0	6.2	5.2
2021-22	110.8	50	39.1	199.9
Per cent Change	0.7	0.8	1.5	0.9

Source: IFA Medium Term Fertilizer Outlook 2021-25, July-2021.

19. AGRICULTURE AND CROP SITUATION DURING 2020-21

Agriculture albeit the largest sector of economy is engaging the largest workforce and providing raw material to most manufacturing sector. It is indispensable to drive the development process achieving poverty alleviation goal and can uplift socio-economic structure of a major segment of the population. It contributes 19.2 per cent to the GDP and provides employment to around 38.5 per cent of the labour force. More than 65-70 per cent 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 and large-scale population and labour shift from rural to urban areas. Increasing agricultural productivity, therefore, requires adoption of new approaches keeping farmer's economic 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 2020-21 broadly stands encouraging as it grows by 2.77 per cent against the target of 2.8 per cent. The growth of important crops (wheat, rice, sugarcane, maize and cotton) is 4.65 per cent during the year. The production of major Kharif crops 2020, such as sugarcane, maize and rice indicated considerable improvement compared to last year and surpassed the production targets. The production of sugarcane increased by 22.0 per cent to 81009.3 thousand tonnes from 66379.6 thousand tonnes, rice by 13.4 per cent to 8410.7 thousand tonnes from 7413.7 thousand tonnes and maize by 13.4 per cent to 8939.8 thousand tonnes from 7883.0 thousand tonnes while cotton yield was declined due to heavy monsoon rains and pest attack. The cotton production reduced by 22.8 per cent to 7063.9 thousand bales from 9151.5 thousand bales last year.

Wheat is the most important crop of "Rabi", which showed growth of 8.5 per cent and reached record high production level of 27391.5 thousand tonnes compared to 25249.5 thousand tonnes last year. For the Rabi crops 2020-21, 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 1,800 per 40 Kg. Other crops having a share of 11.69 per cent in agriculture value addition and 2.24 per cent in GDP, showed growth of 1.41 per cent because of increase in production of fodder, vegetables and fruits. Cotton ginning declined by 15.58 per cent due to fall in the production of cotton crop. The overall crop sector, having a share of 35.81 per cent in agriculture value addition and 6.87 per cent in GDP, witnessed a growth of 2.47 per cent due to increase in growth of important crops by 4.65 per cent. This was largely due to sufficient availability of agricultural inputs (water, subsidized fertilizers, certified seeds, pesticides and agriculture credit).

19.1 Land Utilization

Land utilization statistics, 2010-11 to 2019-20 are depicted in Table-46. Total cropped area remained stagnant during last 3-5 years due to almost unchangeable net area sown (15.77 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 2019-20, the total cropped area was 24.16 million hectares.

Table 46. Land Utilization 2018-19 (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
2010-11	4.26	8.00	6.38	15.72	22.10	7.03	22.75
2011-12	4.27	8.20	7.05	14.99	22.04	7.52	22.51
2012-13	4.26	8.21	7.04	15.22	22.26	7.34	22.56
2013-14	4.55	8.29	6.52	15.63	22.15	7.73	23.36
2014-15	4.55	8.30	6.39	15.71	22.10	7.88	23.59
2015-16	4.00	8.25	7.10	15.64	22.74	7.91	23.55
2016-17	3.91	8.36	7.20	15.65	22.85	7.48	23.13
2017-18	3.91	8.25	7.15	15.76	22.91	7.77	23.53
2018-19	3.91	8.27	7.13	15.13	22.26	7.52	22.65
2019-20 (P)	3.92	8.19	6.97	15.77	22.74	8.39	24.16

Source: Pakistan Bureau of Statistic (P): Provisional

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 and 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 2020 remained at 65.11-million-acre feet (MAF) showing a slight decrease of 0.2 per cent compared to 65.23 MAF of Kharif 2019. Rabi season 2020- 21 received 31.21 MAF, showing an increase of 6.9 per cent over Rabi 2019-20 (Table-47).

Table 47. Canal Head Withdrawals (Below Rim Stations)*Million Acre Feet (MAF)*

Province	Kharif (Apr-Sep) 2019	Kharif (Apr-Sep) 2020	% Change in Kharif 2020 Over 2019	Rabi (Oct-Mar) 2019-20	Rabi (Oct-Mar) 2020-21	% Change in Rabi 2020-21 Over 2019-20
Punjab	34.42	33.44	-3	14.67	17.42	19
Sindh	28.04	28.80	3	12.92	12.01	-7
Balochistan	1.87	2.02	8	1.24	1.22	-2
Khyber Pakhtunkhwa	0.91	0.85	-6	0.36	0.57	56
Total	65.23	65.11	-0.2	29.20	31.21	6.9

Source: Economic Survey 2020-21

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 affect agriculture production. 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. "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 22.49 per cent to value addition in agriculture sector and 4.32 per cent to GDP. Other crops account for 11.69 per cent in value addition of agriculture sector and 2.24 per cent in GDP. Performance of wheat, rice, cotton, sugarcane and maize being considered as major crops and few minor crops during 2020-21 against 2019-20 is briefly narrated below.

19.3.1 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 9.2 per cent of the value added in agriculture and 1.8 per cent of the GDP. Self-sufficiency in wheat has been a core objective of every government. Wheat crop production increased by 8.5 per cent to 27391.5 thousand tonnes over last year's production of 25249.5 thousand tonnes. The area under cultivation increased by 4.0 per cent to 9.2 million hectares over last year's area (8.8 million hectares). There is 4.3 per cent increase in wheat yield compared to last year yield of 2868.6 kg/ha. Wheat crop recorded historic high production of 27391.5 thousand tonnes showing an increase of 8.5 per cent over 25249.5 thousand tonnes production of last year. This was primarily due to the increase in cultivated area, along with the shift of policies towards supporting wheat crop through increase in minimum support price (MSP). The MSP in 2020-21 increased from Rs 1,400 to Rs 1,800 per 40 Kg, a 29 per cent hike. Area, production and yield of wheat during 2020-21 compared with last year is given in Table-48.

Table 48. Area, Production and Yield of Wheat during 2020-21 against last year

Province	2020-21			2019-20			Per cent (%) Change in 2020-21 over 2019-20		
	Area (million ha)	Prod. (000' t)	Yield kg/ha	Area (million ha)	Prod. (000' t)	Yield kg/ha	Area	Prod.	Yield
Punjab	6.8	20900.0	3098.1	6.5	19401.9	2977.8	3.5	7.7	4.0
Sindh	1.2	2967.8	3340.9	1.1	3850.0	3402.6	5.3	3.1	-1.8
KP	0.8	1361.6	1787.4	0.7	1130.4	1554.3	4.1	20.5	15.0
Balochistan	0.5	1162.1	2538.3	0.4	867.2	2026.6	7.0	34.0	25.2
Pakistan	9.2	27391.5	2992.5	8.8	25249.5	2868.6	4.0	8.5	4.3

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

19.3.2 Cotton

Cotton being the major cash crop is considered the backbone of Pakistan's economy. It contributes about 0.6 per cent to GDP and 3.1 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 2020-21, cotton crop was sown on an area of 2,078.9 thousand hectares, which decreased by 17.1 per cent over last year's area (2,507.6 thousand hectares). Cotton production is estimated at around 7,063.9 thousand bales, which is lower by 22.8 per cent over the last year's production of 9,151.5 thousand bales. Declining cultivated area has reduced production as the crop has lost its competitiveness relative to other major crops, in particular sugarcane. The stunting of crop, attack of whitefly, pink bollworm and other pests/insects also hampered crop output. The area, production and yield of cotton during 2020-21 compared with last year is given in Table-49.

Table 49. Area, Production and Yield of Cotton during 2020-21 against last year

Province	2020-21			2019-20			Per cent (%) Change in 2020-21 over 2019-20		
	Area (000'ha)	Production (000' bales)*	Yield (kg/ha)	Area (000' ha)	Production (000' bales)*	Yield (kg/ha)	Area	Prod.	Yield
Punjab	1546.3	5044.0	555.0	1879.7	6306.6	571.0	-17.7	-20.0	-2.8
Sindh	474.8	1861.8	667.0	589.7	2745.6	792.0	-19.5	-32.2	-15.8
KP	0.1	0.3	521.0	0.2	0.6	510.0	-46.0	-50.0	2.2
Balochistan	57.7	157.8	465.0	38.0	98.7	442.0	51.9	59.9	5.2
Pakistan	2078.9	7063.9	578.00	2507.6	9151.5	621.0	-17.1	-22.8	-6.9

*Conversion of Bales into tonnes (Production*0.17009)

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

19.3.3 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 3.5 per cent of value added in agriculture and 0.7 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 2020-21, rice cropped area increased to 3,335.6 thousand hectare compared to 3,034.0 thousand hectares of last year witnessing growth of 9.9 per cent. The production increased by 13.4 per cent to 8,410.7 thousand tonnes against 7,413.7 thousand tonnes of last year. This increase may be attributed to higher domestic prices and availability of inputs on subsidized rates besides higher demand for the country's rice in export markets. The area, production and yield of rice during 2020-21 compared with last year is presented in Table-50.

Table 50. Area, Production and Yield of Rice during 2020-21 against last year

Province	2020-21			2019-20			Per cent (%) Change in 2020-21 over 2019-20		
	Area (000 ha)	Production (000 t)	Yield (kg/ha)	Area (000 ha)	Production (000 t)	Yield (kg/ha)	Area	Prod.	Yield
Punjab	2394.5	5301.4	2214.0	2029.1	4143.7	2042.0	18.0	27.9	8.4
Sindh	709.0	2416.1	3408.0	775.9	2576.5	3321.0	-8.6	-6.2	2.6
KP	64.9	158.5	2442.0	64.9	158.5	2442.0	0.0	0.0	0.0
Balochistan	167.2	534.7	3198.0	164.2	535.0	3259.0	1.9	-0.1	-1.9
Pakistan	3335.6	8410.7	2160.00	3034	7413.7	2375.0	9.9	13.4	9.0

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

19.3.4 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 3.4 per cent in agriculture's value addition and 0.7 per cent in GDP. During 2020-21, sugarcane production increased by 22 per cent to 81,009.3 thousand tonnes as compared to 66,379.6 thousand tonnes of last year. The increased sugarcane output is due to gain of cultivated area (by 12 per cent from 1,039.8 thousand hectares of last year to 1,165.0 thousand hectares, this year) and on account of water availability. The crop experienced a significant increase in area under cultivation and yield. It was mainly due to favorable weather conditions, better management, timely availability of inputs and higher economic returns. Area, production and yield of sugarcane during 2020-21 compared with last year is given in Table-51.

Table 51. Area, Production and Yield of Sugarcane during 2020-21 against last year

Province	2020-21			2019-20			Per cent (%) Change in 2020-21 over 2019-20		
	Area (000 ha)	Production (000 t)	Yield (kg/ha)	Area (000 ha)	Production (000 t)	Yield (kg/ha)	Area	Prod.	Yield
Punjab	777.0	57000.0	77104.1	643.4	43346.6	61000.0	20.8	31.5	26.4
Sindh	279.9	18335.5	59834.4	286.1	17233.8	61659.5	-2.2	6.4	-3.0
KP	107.4	5627.5	46880.6	109.1	5754	51837.8	-1.8	-2.2	-9.6
Balochistan	0.9	46.2	56341.5	0.9	45.2	50222.2	0.0	2.2	12.2
Pakistan	1165.0	81009.3	69443.0	1039.8	66379.6	60235.6	12.0	22.0	15.3

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

19.3.5 Maize

Maize is the third important cereal crop of Pakistan after wheat and rice. It contributes 3.4 per cent to the value added in agriculture and 0.6 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 2020-21, maize was cultivated on 1417.8 thousand hectares and recorded an increase of 1.0 per cent over last year area of 1,404.3 thousand hectares. Its production increased by 13.4 per cent to 8939.8 thousand tonnes compared to last year production 7883.0 thousand tonnes. The production increase was noticed due to increase in area and availability of improved variety of seed. The area, production and yield of maize during 2020-21 compared with last year is given in Table-52.

Table 52. Area, Production and Yield of maize during 2020-21 against last year

Province	2020-21			2019-20			Per cent (%) Change in 2020-21 over 2019-20		
	Area (000 ha)	Production (000 t)	Yield (kg/ha)	Area (000 ha)	Production (000 t)	Yield (kg/ha)	Area	Prod.	Yield
Punjab	948.6	8039.9	8475.5	945.1	6994.7	7401.0	0.40	14.90	14.5
Sindh	4.2	4.2	1013.5	3.9	4.0	1025.6	6.60	5.00	-1.2
KP	460.7	891.0	1934.3	452.6	881.6	1947.9	1.80	1.10	-0.7
Balochistan	4.4	4.6	1052.8	2.7	2.7	1007.8	63.70	70.40	4.5
Pakistan	1417.8	8939.8	6305.3	1404.3	7883	5613.5	1.00	13.40	12.3

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

19.3.6 Other Major Crops

During 2020-21, production of Bajra decreased by 30.8 per cent because of untimely rains during critical stages of the crop. The gram production recorded decrease of 53 per cent on account of unfavorable weather conditions prevalent at the time of sowing. Onion production increased by 8.7 per cent and that of potato production increased by 28.9 per cent due to increase in area under cultivation, as compared with last year 2019-20. The provisional estimates of production of Rapeseed/ Mustard suggested decrease of 39.9 per cent due to decrease in area under cultivation. Area, production and yield of said major crops during 2020-21 compared with last year is given in Table-53.

Table 53. Area, Production and Yield of other major crops during 2020-21 against previous year

Crops	2020-21			2019-20			Per cent (%) Change in 2020-21 over 2019-20		
	Area (000 ha)	Production (000 t)	Yield (kg/ha)	Area (000 ha)	Production (000 t)	Yield (kg/ha)	Area	Prod.	Yield
Bajra	350.4	266.1	759.0	522.3	384.4	536.0	-32.9	-30.8	3.1
Gram	882.6	234	265.0	943.8	497.7	527.0	-6.5	-53.0	-49.7
Potato	233.9	5869.5	25.1	185.4	4552.7	24.6	26.2	28.9	2.0
Onion	153.7	2305.7	15.0	148.2	2121.9	14.3	3.7	8.7	4.9
Rapeseed/ Mustard (P)	248.5	337.2	1357.0	397.4	560.9	1411.0	-37.5	-39.9	-3.8

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

FERTILIZER PRODUCTION BY PRODUCT AND MANUFACTURER DURING 2019-20 AND 2020-21

(2019-20)

														(Tonnes)
PRODUCT	MANUFAC.	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
UREA (P)	FFC (PSFL)	72,582	72,889	69,909	63,955	71,121	71,261	73,555	66,717	73,668	70,996	73,240	70,230	850,123
UREA (P.)	FFC	142,821	146,535	141,567	135,106	141,354	147,740	148,308	138,946	147,646	141,702	140,786	112,791	1,685,302
UREA (G.)	FFBL	53,701	50,773	49,981	51,482	46,748	40,408	424	35,919	59,249	57,351	57,527	55,039	558,602
UREA	FATIMAFERT (DHCL)	42,037	41,338	39,161	43,347	42,169	-	-	-	-	-	-	-	208,052
UREA	Fatima Fertilizer Ltd	39,198	37,003	37,906	18,927	35,847	50,303	40,799	35,839	32,136	39,465	42,797	42,478	452,698
UREA	PAK-ARAB	-	-	-	-	-	-	-	2,329	-	7,099	-	7,568	16,996
UREA	EFERT	181,159	186,323	180,000	188,000	166,729	201,087	193,344	181,846	197,077	188,232	194,632	180,716	2,239,145
UREA	Agritech (PAFL)	34,379	34,079	31,884	33,880	31,346	-	-	-	-	-	-	-	165,568
TOTAL UREA		565,877	568,940	550,408	534,697	535,314	510,799	456,430	461,596	509,776	504,845	508,982	468,822	6,176,486
NP	EFERT	6,180	4,922	1,899	10,003	8,979	2,225	-	-	-	-	5,700	7,472	47,380
NP	PAK-ARAB	-	-	-	-	-	-	6,070	30,341	33,892	33,100	34,705	30,295	168,403
NP	Fatima Fertilizer Ltd	42,838	43,115	43,009	27,152	16,611	14,052	45,326	42,194	31,792	43,520	45,294	39,351	434,254
NP	TOTAL	49,018	48,037	44,908	37,155	25,590	16,277	51,396	72,535	65,684	76,620	85,699	77,118	650,037
SSP	LCFL (AL HAMD)	-	-	-	-	-	-	-	-	-	-	-	-	-
SSP	Agritech (HPFL)	-	2,755	4,136	6,754	3,979	866	3,640	4,131	4,886	4,937	4,065	7,610	47,759
SSP	Suraj Fertilizer	55	1,721	2,200	1,351	1,027	1,401	-	-	255	28	8	-	8,046
SSP	Safi Group	-	-	-	512	370	-	-	-	-	750	-	350	1,982
SSP	TOTAL	55	4,476	6,336	8,617	5,376	2,267	3,640	4,131	5,141	5,715	4,073	7,960	57,787
CAN	PAK-ARAB	-	-	-	-	-	-	8,395	25,939	28,118	25,204	24,155	20,711	132,522
CAN	Fatima Fertilizer Ltd	39,997	40,637	38,804	37,727	15,533	14,201	40,678	39,998	29,248	40,277	41,893	34,150	413,143
Total CAN		39,997	40,637	38,804	37,727	15,533	14,201	49,073	65,937	57,366	65,481	66,048	54,861	545,665
DAP	FFC-SONA	76,595	74,860	72,556	75,010	72,857	72,045	38,754	27,406	38,223	41,356	74,691	72,697	737,050
SOP	Pacific	720	240	-	-	434	1,044	898	762	668	854	859	862	7,341
NPKs	EFERT	3,862	4,984	12,966	4,548	5,029	2,830	8,197	8,537	8,015	5,327	4,262	3,660	72,217
NPKs	Safi Group	-	-	-	-	-	-	-	-	-	-	-	-	-
G. TOTAL		736,124	742,174	725,978	697,754	660,133	619,463	608,388	640,904	684,873	700,198	744,614	685,980	8,246,583
NUTRIENTS	NITROGEN	296,195	297,423	288,095	278,272	269,939	255,655	242,497	251,913	272,295	274,177	284,045	260,339	3,270,846
	PHOSPHATE	47,367	47,331	47,714	45,647	41,393	37,943	31,533	31,468	35,128	36,457	53,146	51,139	506,266
	POTASH	1,049	1,000	2,315	819	1,100	1,031	2,088	1,832	1,871	1,332	1,213	1,072	16,720
	TOTAL	344,611	345,753	338,123	324,738	312,432	294,629	276,118	285,212	309,294	311,966	338,404	312,550	3,793,832

Continued....

FERTILIZER PRODUCTION BY PRODUCT AND MANUFACTURER DURING 2019-20 AND 2020-21

(2020-21)

														(Tonnes)
PRODUCT	MANUFAC.	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
UREA (P)	FFC (PSFL)	69,912	71,515	69,930	73,528	19,894	65,425	77,283	69,503	76,601	73,933	75,987	72,924	816,435
UREA (P.)	FFC	145,423	144,536	139,670	145,281	142,464	140,318	147,448	126,339	130,589	134,026	137,893	99,014	1,633,001
UREA (G.)	FFBL	46,852	48,235	45,387	50,366	54,635	47,948	-	19,813	60,651	55,941	56,519	37,680	524,027
UREA	FATIMAFERT (DHCL)	-	32,372	43,097	46,258	40,000	2,494	-	-	19,999	44,424	45,827	40,464	314,935
UREA	Fatima Fertilizer Limited	45,620	43,876	44,357	44,397	40,642	42,040	44,195	37,610	42,164	40,641	44,892	36,903	507,337
UREA	PAK-ARAB	341	7,172	7,799	7,697	4,262	5,881	7,267	5,298	2,380	6,650	3,313	8,271	66,331
UREA	EFERT	187,355	181,050	190,141	196,536	184,631	189,098	179,037	177,440	166,861	162,177	198,437	186,803	2,199,566
UREA	Agritech(PAFL)	-	26,774	30,074	33,520	28,672	5,745	-	-	14,915	34,516	35,360	30,182	239,758
TOTAL UREA		495,503	555,530	570,455	597,583	515,200	498,949	455,230	436,003	514,160	552,308	598,228	512,241	6,301,390
NP	EFERT	-	4,650	2,335	5,030	11,154	9,140	6,738	2,335	2,286	3,001	1,070	4,022	51,761
NP	PAK-ARAB	25,492	33,555	32,262	32,214	33,860	33,203	33,305	23,257	13,014	31,395	32,896	30,758	355,211
NP	Fatima Fertilizer Limited	43,486	43,989	35,862	45,591	44,170	44,780	42,893	41,373	45,152	44,062	39,608	43,403	514,369
NP	TOTAL	68,978	82,194	70,459	82,835	89,184	87,123	82,936	66,965	60,452	78,458	73,574	78,183	921,341
SSP	LCFL (AL HAMD)	-	-	-	-	-	-	-	-	-	-	-	-	-
SSP	Agritech (HPFL)	7,167	3,963	6,931	7,439	6,605	4,967	5,908	4,742	6,750	7,029	4,843	7,150	73,494
SSP	Suraj Fertilizer	-	-	2,890	5,900	2,775	2,117	2,333	6,805	5,522	15	1,658	1,074	31,089
SSP	Safi Group	-	-	115	225	120	-	-	-	-	-	150	500	1,110
SSP	TOTAL	7,167	3,963	9,936	13,564	9,500	7,084	8,241	11,547	12,272	7,044	6,651	8,724	105,693
CAN	PAK-ARAB	21,158	26,094	22,516	24,049	28,182	27,929	27,313	30,046	12,657	26,974	27,055	29,147	303,120
CAN	Fatima Fertilizer Limited	40,544	41,721	34,525	42,901	43,198	43,444	40,043	39,139	43,844	40,413	39,601	40,424	489,797
Total CAN		61,702	67,815	57,041	66,950	71,380	71,373	67,356	69,185	56,501	67,387	66,656	69,571	792,917
DAP	FFC-SONA	74,982	73,225	72,300	76,447	77,136	72,751	16,850	38,271	66,103	70,846	75,291	75,244	789,446
SOP	Pacific	828	879	895	894	851	867	862	856	981	963	917	811	10,604
NPKs	EFERT	9,484	2,772	11,510	9,928	2,050	1,050	6,555	5,747	13,747	10,334	7,829	6,194	87,200
NPKs	Safi Group	-	-	-	-	-	-	-	-	-	-	-	-	-
G. TOTAL		718,644	786,378	792,596	848,201	765,301	739,197	638,030	628,574	724,216	787,340	829,146	750,968	9,008,591
NUTRIENTS	NITROGEN	274,419	305,538	307,646	326,126	290,153	281,312	249,813	241,461	278,486	302,854	323,086	285,160	3,466,054
	PHOSPHATE	53,287	53,939	53,759	58,839	58,176	55,020	29,293	36,223	49,262	51,566	52,150	53,014	604,527
	POTASH	2,257	938	2,555	2,260	795	623	1,742	1,509	3,070	2,207	1,917	1,434	21,305
	TOTAL	329,962	360,416	363,959	387,225	349,123	336,955	280,848	279,192	330,818	356,626	377,153	339,608	4,091,886

ANNEX-2

FERTILIZER IMPORTS DURING 2019-20 AND 2020-21

(2019-20)

Months	UREA	DAP	NP	SOP	MOP	AS	SSP	MAP	TOTAL PRODUCTS	(Tonnes)			
										NITROGEN	PHOSPHATE	POTASH	TOTAL NUTRIENTS
July	100,972	32,800	-	3,257	549	10,240	-	-	147,818	54,502	15,088	1,958	71,547
August	-	33,592	-	1,134	3,628	3,018	-	-	41,372	6,680	15,452	2,744	24,876
Sep	-	125,366	-	3,897	1,527	18,726	-	9,360	158,876	27,434	62,348	2,865	92,647
Oct	-	460,597	-	403	5,266	8,986	-	22,000	497,252	86,995	222,875	3,361	313,230
Nov	-	247,300	-	1,720	550	2,500	-	-	252,070	45,039	113,758	1,190	159,987
Dec	-	55,000	-	-	-	-	-	-	55,000	9,900	25,300	-	35,200
Jan	-	16,483	-	1,259	3,520	2,760	-	-	24,022	3,547	7,582	2,742	13,870
Feb	-	-	-	2,633	3,996	4,000	-	50	10,679	845	25	3,714	4,584
Mar	-	68,772	-	2,016	2,117	6,890	-	-	79,795	13,826	31,635	2,278	47,739
April	-	26,073	-	2,004	275	15,851	-	-	44,203	8,022	11,994	1,167	21,182
May	-	70,854	-	550	1,540	20,000	-	50	92,994	16,959	32,618	1,199	50,776
June	-	74,561	-	774	770	-	-	9,900	86,005	14,411	39,248	849	54,508
Total	100,972	1,211,398	-	19,647	23,738	92,971	-	41,360	1,490,086	288,159	577,923	24,066	890,148

Continued....

FERTILIZER IMPORTS DURING 2019-20 AND 2020-21

(2020-21)

Months	UREA	DAP	NP	SOP	MOP	AS	SSP	MAP	TOTAL PRODUCTS	(Tonnes)			
										NITROGEN	PHOSPHATE	POTASH	TOTAL NUTRIENTS
July	-	111,008	-	4,069	6,231	500	-	52	121,860	20,092	51,090	5,773	76,954
August	-	83,953	-	2,058	8,220	7,500	-	-	101,731	16,687	38,618	5,961	61,266
Sep	-	179,637	-	4,040	5,193	21,829	-	52	210,751	36,924	82,659	5,136	124,719
Oct	-	100,479	-	2,016	3,553	520	-	-	106,568	18,195	46,220	3,140	67,556
Nov	-	153,700	-	432	1,464	18,765	-	52	174,413	31,612	70,728	1,094	103,434
Dec	-	128,717	-	2,021	2,200	-	-	275	133,213	23,197	59,347	2,331	84,874
Jan	-	61,156	-	1,907	1,942	6,500	-	-	71,505	12,373	28,132	2,119	42,624
Feb	-	850	-	1,264	1,008	-	-	-	3,122	153	391	1,237	1,781
Mar	-	81,433	-	3,737	2,987	-	-	9,717	97,874	15,630	42,318	3,661	61,608
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
Total	-	1,262,524	0	35,715	53,611	91,615	0	10,608	1,454,073	247,554	586,065	50,024	883,643

**MONTH-WISE COMPARATIVE NUTRIENT OFFTAKE DURING KHARIF 2020, RABI
2020-21 AND FINANCIAL YEAR 2020-21 COMPARED WITH PREVIOUS
SEASONS/YEARS**

MONTHS/ SEASONS	Kharif 2015 Rabi 2015-16 FY 2015-16	Kharif 2016 Rabi 2016-17 FY 2016-17	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	(Tonnes)
							Per cent change in Kharif 2020, Rabi 2020-21 and Fiscal Year 2020-21 over previous months/seasons/years
PAKISTAN							
TOTAL							
April	237,889	205,027	214,684	260,466	237,037	266,927	12.6
May	319,420	227,799	327,937	306,111	458,186	173,000	-62.2
June	381,947	321,930	647,982	426,452	420,502	701,966	66.9
July	283,245	533,217	381,395	483,269	399,423	500,290	25.3
August	240,807	394,938	502,724	285,338	393,407	530,723	34.9
September	105,544	243,374	341,402	372,991	348,214	381,831	9.7
Total Kharif	1,568,852	1,926,285	2,416,124	2,134,627	2,256,769	2,554,737	13.2
		22.8	25.4	-11.7	5.7	13.2	
October	493,571	526,323	482,560	594,134	269,119	387,175	43.9
November	693,167	827,722	651,087	428,728	475,424	535,524	12.6
December	523,014	594,507	479,672	480,457	797,260	597,552	-25.0
January	234,166	270,837	356,311	361,607	177,102	434,861	145.5
February	227,554	226,084	291,655	238,024	320,074	309,693	-3.2
March	143,449	232,506	283,528	254,126	226,652	292,877	29.2
Total Rabi	2,314,921	2,677,979	2,544,813	2,357,076	2,265,631	2,557,683	12.9
% change		15.7	-5.0	-7.4	-3.9	12.9	
April	205,027	214,684	260,466	237,037	266,927	239,710	-10.2
May	227,799	327,937	306,111	458,186	173,000	386,443	123.4
June	321,930	647,982	426,452	420,502	701,966	411,414	-41.4
FY Total	3,699,273	5,040,111	4,763,363	4,614,399	4,548,568	5,008,094	10.1
		36.2	-5.5	-3.1	-1.4	10.1	
NITROGEN							
April	195,658	139,710	154,073	212,883	178,919	174,213	-2.6
May	248,943	160,858	280,818	264,057	340,029	134,366	-60.5
June	315,650	292,593	568,346	330,931	337,156	601,283	78.3
July	235,805	419,879	233,195	322,397	283,188	355,212	25.4
August	219,282	320,161	450,019	236,349	329,410	360,987	9.6
September	97,096	179,078	162,467	265,896	233,871	246,125	5.2
Total Kharif	1,312,434	1,512,279	1,848,918	1,632,513	1,702,573	1,872,185	10.0
% change		15.2	22.3	-11.7	4.3	10.0	
October	214,165	275,466	271,645	329,996	123,424	255,555	107.1
November	413,273	501,815	396,759	291,069	269,619	343,930	27.6
December	442,289	495,518	394,976	380,953	684,828	481,659	-29.7
January	190,477	228,194	297,184	308,059	147,394	367,012	149.0
February	181,029	163,817	220,437	205,012	258,959	242,797	-6.2
March	85,323	142,613	200,265	211,841	174,101	206,724	18.7
Total Rabi	1,526,556	1,807,423	1,781,266	1,726,930	1,658,325	1,897,677	14.4
% change		18.4	-1.4	-3.1	-4.0	14.4	
April	139,710	154,073	212,883	178,919	174,213	192,760	10.6
May	160,858	280,818	264,057	340,029	134,366	292,992	118.1
June	292,593	568,346	330,931	337,156	601,283	364,996	-39.3
FY Total	2,671,900	3,729,778	3,434,818	3,407,676	3,414,656	3,710,748	8.7
% change		39.6	-7.9	-0.8	0.2	8.7	

Continued....

**MONTH-WISE COMPARATIVE NUTRIENT OFFTAKE DURING KHARIF 2020, RABI 2020-21
AND FINANCIAL YEAR 2020-21 COMPARED WITH PREVIOUS SEASONS/YEARS**

MONTHS/ SEASONS	(Tonnes)						Per cent change in Kharif 2020, Rabi 2020-21 and Fiscal Year 2020-21 over previous months/seasons/years
	Kharif 2015 Rabi 2015-16 FY 2015-16	Kharif 2016 Rabi 2016-17 FY 2016-17	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	
PHOSPHATE							
April	40,542	63,459	57,410	45,473	54,835	89,185	62.6
May	67,757	65,690	43,496	39,691	116,228	35,975	-69.0
June	62,570	28,802	77,672	93,854	80,847	95,971	18.7
July	46,552	111,476	144,554	154,683	113,014	140,436	24.3
August	21,009	73,201	49,470	45,397	60,481	164,925	172.7
September	7,353	59,044	170,969	97,060	106,587	123,114	15.5
Total Kharif	245,783	401,672	543,571	476,158	531,992	649,606	22.1
% change		63.4	35.3	-12.4	11.7	22.1	
October	275,295	246,032	203,153	257,695	140,724	123,474	-12.3
November	278,005	322,319	248,453	133,972	201,869	186,716	-7.5
December	79,515	97,476	81,825	95,224	107,721	112,071	4.0
January	42,898	39,698	55,243	50,489	28,455	62,583	119.9
February	43,596	56,308	67,357	29,231	54,853	60,990	11.2
March	55,152	84,765	78,565	37,681	48,885	79,298	62.2
Total Rabi	774,461	846,598	734,596	604,292	582,507	625,131	7.3
% change		9.3	-13.2	-17.7	-3.6	7.3	
April	63,459	57,410	45,473	54,835	89,185	42,154	-52.7
May	65,690	43,496	39,691	116,228	35,975	90,088	150.4
June	28,802	77,672	93,854	80,847	95,971	42,223	-56.0
FY Total	1,007,326	1,268,897	1,278,607	1,153,342	1,083,720	1,228,071	13.3
% change		26.0	0.8	-9.8	-6.0	13.3	
POTASH							
April	1,689	1,858	3,201	2,109	3,283	3,529	7.5
May	2,720	1,251	3,622	2,362	1,929	2,659	37.8
June	3,726	535	1,964	1,667	2,498	4,712	88.6
July	887	1,862	3,646	6,189	3,221	4,642	44.1
August	515	1,575	3,234	3,591	3,516	4,811	36.8
September	1,096	5,252	7,966	10,035	7,755	12,593	62.4
Total Kharif	10,633	12,333	23,633	25,953	22,202	32,946	48.4
% change		16.0	91.6	9.8	-14.5	48.4	
October	4,112	4,825	7,762	6,444	4,971	8,146	63.9
November	1,888	3,589	5,875	3,686	3,936	4,878	23.9
December	1,211	1,513	2,870	4,279	4,711	3,822	-18.9
January	791	2,946	3,884	3,059	1,252	5,267	320.7
February	2,929	5,959	3,860	3,780	6,263	5,906	-5.7
March	2,974	5,128	4,699	4,601	3,666	6,855	87.0
Total Rabi	13,905	23,960	28,950	25,849	24,799	34,874	40.6
% change		72.3	20.8	-10.7	-4.1	40.6	
April	1,858	3,201	2,109	3,283	3,529	4,797	35.9
May	1,251	3,622	2,362	1,929	2,659	3,363	26.5
June	535	1,964	1,667	2,498	4,712	4,195	-11.0
FY Total	20,047	41,436	49,934	53,374	50,191	69,275	38.0
% change		106.7	20.5	6.9	-6.0	38.0	

**MONTH-WISE AND PROVINCE-WISE COMPARATIVE NUTRIENT OFFTAKE DURING
KHARIF 2020, RABI 2020-21 AND FINANCIAL YEAR 2020-21 COMPARED WITH PREVIOUS
SEASONS/YEARS**

MONTHS/ SEASONS	(Tonnes)						Per cent change in Kharif 2020, Rabi 2020-21 and Fiscal Year 2020-21 over previous months/seasons/years
	Kharif 2015 Rabi 2015-16 FY 2015-16	Kharif 2016 Rabi 2016-17 FY 2016-17	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	
PUNJAB							
TOTAL							
April	148,841	121,913	141,975	174,193	154,077	173,145	12.4
May	207,383	128,876	220,367	194,552	302,238	111,825	-63.0
June	257,936	220,058	459,361	297,716	287,842	456,057	58.4
July	184,360	328,359	240,934	342,392	284,365	336,880	18.5
August	155,074	272,518	343,491	202,549	270,660	376,221	39.0
September	69,059	166,364	255,223	239,152	257,809	280,440	8.8
Total Kharif	1,022,653	1,238,088	1,661,351	1,450,554	1,556,991	1,734,567	11.4
% change		21.1	34.2	-12.7	7.3	11.4	
October	352,505	381,589	327,947	413,197	188,211	259,650	38.0
November	478,795	602,609	452,342	305,262	315,245	374,821	18.9
December	384,607	428,517	352,785	324,174	521,831	420,625	-19.4
January	142,337	188,707	251,691	255,152	120,678	307,151	154.5
February	169,252	151,518	216,409	162,621	221,514	234,729	6.0
March	95,763	155,989	208,333	184,099	158,852	208,536	31.3
Total Rabi	1,623,259	1,908,929	1,809,507	1,644,505	1,526,331	1,805,513	18.3
% change		17.6	-5.2	-9.1	-7.2	18.3	
April	121,913	141,975	174,193	154,077	173,145	167,031	-3.5
May	128,876	220,367	194,552	302,238	111,825	276,896	147.6
June	220,058	459,361	297,716	287,842	456,057	292,132	-35.9
FY Total	2,502,599	3,497,873	3,315,616	3,172,755	3,080,192	3,535,113	14.8
% change		39.8	-5.2	-4.3	-2.9	14.8	
NITROGEN							
April	124,985	83,586	102,305	144,174	118,874	112,463	-5.4
May	160,037	93,074	189,547	164,709	228,224	87,796	-61.5
June	210,812	197,621	397,078	225,892	226,378	387,016	71.0
July	151,124	250,444	145,730	222,650	195,340	241,475	23.6
August	143,153	216,264	306,970	169,675	226,963	254,484	12.1
September	63,581	123,401	116,103	158,001	172,368	183,250	6.3
Total Kharif	853,692	964,390	1,257,733	1,085,101	1,168,147	1,266,484	8.4
% change		13.0	30.4	-13.7	7.7	8.4	
October	143,578	191,881	173,600	226,187	82,197	172,363	109.7
November	274,831	355,738	267,924	207,149	178,290	233,266	30.8
December	318,859	352,769	290,463	253,180	447,913	330,770	-26.2
January	115,328	155,189	205,487	219,164	98,690	255,563	159.0
February	133,143	107,304	161,898	139,900	175,972	184,216	4.7
March	53,768	94,994	150,604	154,001	125,133	151,225	20.9
Total Rabi	1,039,507	1,257,875	1,249,976	1,199,581	1,108,195	1,327,402	19.8
% change		21.0	-0.6	-4.0	-7.6	19.8	
April	83,586	102,305	144,174	118,874	112,463	130,632	16.2
May	93,074	189,547	164,709	228,224	87,796	207,281	136.1
June	197,621	397,078	225,892	226,378	387,016	255,720	-33.9
FY Total	1,771,646	2,536,914	2,353,554	2,323,383	2,290,141	2,600,244	13.5
% change		43.2	-7.2	-1.3	-1.4	13.5	

Continued....

**MONTH-WISE AND PROVINCE-WISE COMPARATIVE NUTRIENT OFFTAKE DURING
KHARIF 2020, RABI 2020-21 AND FINANCIAL YEAR 2020-21 COMPARED WITH PREVIOUS
SEASONS/YEARS**

MONTHS/ SEASONS	Kharif 2015 Rabi 2015-16 FY 2015-16	Kharif 2016 Rabi 2016-17 FY 2016-17	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	(Tonnes)
							Per cent change in Kharif 2020, Rabi 2020-21 and Fiscal Year 2020-21 over previous months/seasons/years
PHOSPHATE							
April	22,875	36,937	37,631	28,865	32,738	58,086	77.4
May	45,685	34,979	27,999	28,030	72,588	21,784	-70.0
June	44,324	22,116	60,653	70,388	59,645	65,415	9.7
July	32,579	76,488	92,282	114,666	86,325	91,439	5.9
August	11,657	55,274	34,146	30,076	41,100	117,795	186.6
September	4,800	38,370	133,181	73,510	78,816	87,009	10.4
Total Kharif	161,920	264,164	385,892	345,535	371,212	441,528	18.9
% change		63.1	46.1	-10.5	7.4	18.9	
October	206,202	185,642	147,978	182,007	101,961	80,926	-20.6
November	203,094	244,478	180,030	95,531	134,097	138,137	3.0
December	65,007	74,880	59,800	68,097	70,704	87,834	24.2
January	26,452	31,045	43,231	33,832	21,015	48,093	128.8
February	33,880	39,526	51,947	20,115	40,979	45,853	11.9
March	40,284	57,907	54,926	27,578	31,537	52,929	67.8
Total Rabi	574,919	633,478	537,912	427,160	400,293	453,771	13.4
% change		10.2	-15.1	-20.6	-6.3	13.4	
April	36,937	37,631	28,865	32,738	58,086	32,221	-44.5
May	34,979	27,999	28,030	72,588	21,784	66,925	207.2
June	22,116	60,653	70,388	59,645	65,415	32,861	-49.8
FY Total	717,987	929,893	924,804	810,383	751,819	882,020	17.3
% change		29.5	-0.5	-12.4	-7.2	17.3	
POTASH							
April	981	1,390	2,040	1,154	2,466	2,596	5.3
May	1,662	823	2,822	1,723	1,426	2,245	57.4
June	2,800	321	1,631	1,435	1,819	3,626	99.3
July	657	1,427	2,922	5076	2,700	3,967	46.9
August	264	980	2,375	2,798	2,596	3,941	51.8
September	677	4,593	5,939	7,641	6,625	10,181	53.7
Total Kharif	7,041	9,534	17,729	19,827	17,632	26,555	50.6
% change		35.4	86.0	11.8	-11.1	50.6	
October	2,725	4,066	6,370	5,003	4,053	6,360	56.9
November	871	2,394	4,388	2,581	2,858	3,419	19.6
December	741	868	2,522	2,896	3,215	2,022	-37.1
January	557	2,474	2,974	2,156	973	3,496	259.3
February	2,229	4,688	2,565	2,607	4,563	4,661	2.1
March	1,711	3,088	2,804	2,520	2,181	4,382	100.9
Total Rabi	8,834	17,578	21,623	17,763	17,843	24,339	36.4
% change		99.0	23.0	-17.9	0.5	36.4	
April	1,390	2,040	1,154	2,466	2,596	4,178	61.0
May	823	2,822	1,723	1,426	2,245	2,690	19.8
June	321	1,631	1,435	1,819	3,626	3,551	-2.1
FY Total	12,966	31,071	37,171	38,989	38,231	52,849	38.2
% change		139.6	19.6	4.9	-1.9	38.2	

Continued....

**MONTH-WISE AND PROVINCE-WISE COMPARATIVE NUTRIENT OFFTAKE DURING
KHARIF 2020, RABI 2020-21 AND FINANCIAL YEAR 2020-21 COMPARED WITH PREVIOUS
SEASONS/YEARS**

MONTHS/ SEASONS	(Tonnes)						Per cent change in Kharif 2020, Rabi 2020-21 and Fiscal Year 2020-21 over previous months/seasons/years
	Kharif 2015 Rabi 2015-16 FY 2015-16	Kharif 2016 Rabi 2016-17 FY 2016-17	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	
SINDH							
TOTAL							
April	55,955	56,042	52,267	64,407	58,565	68,427	16.8
May	87,807	76,105	80,875	90,674	123,867	45,218	-63.5
June	97,487	79,427	154,499	102,508	106,435	185,904	74.7
July	80,846	164,045	109,518	114,541	85,742	120,091	40.1
August	65,183	89,949	133,596	63,713	91,886	105,532	14.9
September	26,229	57,698	60,869	108,002	62,843	70,541	12.2
Total Kharif	413,507	523,266	591,624	543,845	529,338	595,713	12.5
% change		26.5	13.1	-8.1	-2.7	12.5	
October	115,162	111,386	121,675	144,945	52,376	97,631	86.4
November	181,257	181,883	157,986	98,420	122,102	123,498	1.1
December	118,939	129,765	102,546	124,246	219,349	141,622	-35.4
January	78,845	58,081	82,300	83,773	34,483	100,137	190.4
February	43,347	52,952	53,438	52,363	67,568	48,297	-28.5
March	25,886	52,441	46,834	44,126	41,377	49,657	20.0
Total Rabi	563,436	586,508	564,779	547,873	537,255	560,843	4.4
% change		4.1	-3.7	-3.0	-1.9	4.4	
April	56,042	52,267	64,407	58,565	68,427	45,884	-32.9
May	76,105	80,875	90,674	123,867	45,218	76,277	68.7
June	79,427	154,499	102,508	106,435	185,904	88,878	-52.2
FY Total	947,268	1,185,841	1,126,351	1,122,996	1,077,275	1,068,047	-0.9
% change		25.2	-5.0	-0.3	-4.1	-0.9	
NITROGEN							
April	43,316	38,508	36,533	50,431	42,616	41,496	-2.6
May	71,739	52,433	69,589	80,984	87,503	34,358	-60.7
June	84,056	74,205	141,072	84,412	90,052	167,607	86.1
July	69,772	135,265	68,818	83,082	66,223	81,725	23.4
August	58,072	77,138	121,506	50,747	78,626	69,904	-11.1
September	23,945	44,930	35,430	89,793	42,654	43,009	0.8
Total Kharif	350,900	422,479	472,948	439,449	407,674	438,099	7.5
% change		20.4	11.9	-7.1	-7.2	7.5	
October	58,804	64,837	79,420	82,464	26,595	64,317	141.8
November	118,182	117,838	102,506	67,820	68,035	84,294	23.9
December	106,610	113,383	85,373	103,321	188,441	122,099	-35.2
January	63,428	53,261	72,765	70,025	30,548	87,940	187.9
February	36,271	40,157	41,168	46,223	57,752	36,490	-36.8
March	15,166	30,211	29,286	36,178	29,545	29,203	-1.2
Total Rabi	398,461	419,687	410,518	406,031	400,916	424,343	5.8
% change		5.3	-2.2	-1.1	-1.3	5.8	
April	38,508	36,533	50,431	42,616	41,496	38,019	-8.4
May	52,433	69,589	80,984	87,503	34,358	58,591	70.5
June	74,205	141,072	84,412	90,052	167,607	81,353	-51.5
FY Total	715,396	924,214	852,099	849,824	831,880	796,943	-4.2
% change		29.2	-7.8	-0.3	-2.1	-4.2	

Continued....

**MONTH-WISE AND PROVINCE-WISE COMPARATIVE NUTRIENT OFFTAKE DURING
KHARIF 2020, RABI 2020-21 AND FINANCIAL YEAR 2020-21 COMPARED WITH PREVIOUS
SEASONS/YEARS**

MONTHS/ SEASONS	(Tonnes)						Per cent change in Kharif 2020, Rabi 2020-21 and Fiscal Year 2020-21 over previous months/seasons/years
	Kharif 2015 Rabi 2015-16 FY 2015-16	Kharif 2016 Rabi 2016-17 FY 2016-17	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	
PHOSPHATE							
April	12,214	17,271	14,962	13,428	15,443	26,241	69.9
May	15,580	23,379	10,815	9,299	35,976	10,561	-70.6
June	12,879	5,121	13,183	17,958	15,849	17,733	11.9
July	10,894	28,451	40,046	30,755	19,164	37,871	97.6
August	6,885	12,469	11,440	12,566	12,761	35,116	175.2
September	1,913	12,351	24,007	16,613	19,661	26,064	32.6
Total Kharif	60,365	99,042	114,453	100,619	118,854	153,585	29.2
% change		64.1	15.6	-12.1	18.1	29.2	
October	55,188	45,979	41,193	61,566	25,077	32,062	27.9
November	62,173	63,107	54,303	29,735	53,176	38,091	-28.4
December	11,943	15,886	16,927	19,815	29,727	18,098	-39.1
January	15,323	4,670	8,997	13,261	3,816	10,800	183.0
February	6,633	12,089	11,556	5,569	9,178	10,971	19.5
March	10,181	21,094	16,788	7,056	10,954	19,495	78.0
Total Rabi	161,441	162,825	149,764	137,002	131,928	129,517	-1.8
% change		0.9	-8.0	-8.5	-3.7	-1.8	
April	17,271	14,962	13,428	15,443	26,241	7,359	-72.0
May	23,379	10,815	9,299	35,976	10,561	17,245	63.3
June	5,121	13,183	17,958	15,849	17,733	7,022	-60.4
FY Total	226,904	255,056	265,942	264,204	238,049	260,194	9.3
% change		12.4	4.3	-0.7	-9.9	9.3	
POTASH							
April	424	262	773	548	506	690	36.3
May	488	293	472	390	388	299	-22.9
June	552	101	245	138	533	564	5.8
July	179	329	654	704	355	496	39.6
August	226	343	650	400	499	512	2.7
September	370	418	1,432	1,596	529	1,468	177.6
Total Kharif	2,239	1,746	4,226	3,776	2,810	4,029	43.4
% change		-22.0	142.0	-10.6	-25.6	43.4	
October	1,170	570	1,062	915	703	1,251	78.0
November	902	938	1,177	866	890	1,114	25.1
December	386	497	246	1,110	1,181	1,425	20.7
January	94	150	538	487	119	1,398	1074.7
February	444	706	714	572	639	836	30.9
March	539	1,135	759	892	878	959	9.3
Total Rabi	3,535	3,996	4,496	4,842	4,410	6,984	58.4
% change		13.0	12.5	7.7	-8.9	58.4	
April	262	773	548	506	690	506	-26.7
May	293	472	390	388	299	441	47.4
June	101	245	138	533	564	503	-10.8
FY Total	4,966	6,576	8,308	8,969	7,346	10,909	48.5
% change		32.4	26.3	8.0	-18.1	48.5	

Continued....

**MONTH-WISE AND PROVINCE-WISE COMPARATIVE NUTRIENT OFFTAKE DURING
KHARIF 2020, RABI 2020-21 AND FINANCIAL YEAR 2020-21 COMPARED WITH PREVIOUS
SEASONS/YEARS**

MONTHS/ SEASONS	(Tonnes)						Per cent change in Kharif 2020, Rabi 2020-21 and Fiscal Year 2020-21 over previous months/seasons/years
	Kharif 2015 Rabi 2015-16 FY 2015-16	Kharif 2016 Rabi 2016-17 FY 2016-17	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	
KP							
TOTAL							
April	19,772	17,933	13,233	13,968	13,685	16,519	20.7
May	14,777	14,184	18,269	10,921	17,434	8,767	-49.7
June	17,892	14,602	21,414	14,306	12,058	24,752	105.3
July	12,149	25,842	10,515	13,855	15,457	18,835	21.9
August	12,078	21,899	11,467	11,694	17,966	24,166	34.5
September	8,838	11,726	13,635	15,077	15,139	20,090	32.7
Total Kharif	85,506	106,186	88,533	79,821	91,739	113,129	23.3
% change		24.2	-16.6	-9.8	14.9	23.3	
October	17,284	23,407	18,885	23,156	13,096	17,860	36.4
November	25,161	29,317	23,353	11,656	18,463	25,080	35.8
December	13,744	18,381	12,472	15,117	22,468	19,425	-13.5
January	9,191	10,635	12,448	15,043	11,130	13,506	21.4
February	12,297	13,915	13,101	12,917	16,686	17,044	2.1
March	16,243	17,065	19,232	16,262	17,014	22,004	29.3
Total Rabi	93,920	112,720	99,491	94,151	98,857	114,919	16.2
% change		20.0	-11.7	-5.4	5.0	16.2	
April	17,933	13,233	13,968	13,685	16,519	18,121	9.7
May	14,184	18,269	10,921	17,434	8,767	15,200	73.4
June	14,602	21,414	14,306	12,058	24,752	13,334	-46.1
FY Total	173,704	225,103	174,303	177,954	197,457	224,666	13.8
% change		29.6	-22.6	2.1	11.0	13.8	
NITROGEN							
April	15,772	13,120	10,505	12,268	10,664	13,543	27.0
May	10,516	10,774	15,436	9,804	13,883	7,195	-48.2
June	14,356	13,396	19,508	11,004	9,777	19,123	95.6
July	10,066	23,002	8,439	8,609	11,293	14,714	30.3
August	11,322	19,216	9,793	10,223	14,439	17,520	21.3
September	8,399	6,796	5,305	9,993	10,861	13,545	24.7
Total Kharif	70,431	86,304	68,986	61,901	70,917	85,640	20.8
% change		22.5	-20.1	-10.3	14.6	20.8	
October	8,609	13,627	10,234	13,507	6,287	12,679	101.7
November	15,596	19,327	14,680	7,330	12,700	17,298	36.2
December	11,669	13,886	9,864	12,765	21,076	16,578	-21.3
January	8,262	8,741	10,161	12,888	9,634	11,384	18.2
February	9,457	10,155	10,231	10,552	12,979	13,852	6.7
March	12,542	12,384	13,190	13,590	11,572	15,281	32.0
Total Rabi	66,135	78,120	68,360	70,632	74,248	87,070	17.3
% change		18.1	-12.5	3.3	5.1	17.3	
April	13,120	10,505	12,268	10,664	13,543	16,663	23.0
May	10,774	15,436	9,804	13,883	7,195	11,720	62.9
June	13,396	19,508	11,004	9,777	19,123	12,042	-37.0
FY Total	133,212	172,583	124,973	133,781	150,702	173,273	15.0
% change		29.6	-27.6	7.0	12.6	15.0	

Continued....

**MONTH-WISE AND PROVINCE-WISE COMPARATIVE NUTRIENT OFFTAKE DURING
KHARIF 2020, RABI 2020-21 AND FINANCIAL YEAR 2020-21 COMPARED WITH PREVIOUS
SEASONS/YEARS**

MONTHS/ SEASONS	(Tonnes)						Per cent change in Kharif 2020, Rabi 2020-21 and Fiscal Year 2020-21 over previous months/seasons/years
	Kharif 2015 Rabi 2015-16 FY 2015-16	Kharif 2016 Rabi 2016-17 FY 2016-17	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	
PHOSPHATE							
April	3,843	4,718	2,533	1,405	2,799	2,851	1.9
May	3,997	3,369	2,639	1,015	3,494	1,541	-55.9
June	3,271	1,167	1,876	3,264	2,197	5,432	147.2
July	2,037	2,789	2,029	4,999	4,061	4,023	-0.9
August	755	2,494	1,582	1,155	3,225	6,414	98.9
September	418	4,776	8,017	4,747	3,837	5,957	55.3
Total Kharif	14,321	19,313	18,676	16,585	19,613	26,218	33.7
% change		34.9	-3.3	-11.2	18.3	33.7	
October	8,518	9,729	8,526	9,327	6,735	4,952	-26.5
November	9,526	9,817	8,483	4,225	5,670	7,509	32.4
December	2,022	4,398	2,588	2,220	1,225	2,720	122.1
January	891	1,667	2,028	1,862	1,409	1,884	33.7
February	2,701	3,411	2,592	1,933	2,929	2,903	-0.9
March	3,180	3,973	5,067	1,625	4,983	5,416	8.7
Total Rabi	26,838	32,995	29,284	21,192	22,951	25,384	10.6
% change		22.9	-11.2	-27.6	8.3	10.6	
April	4,718	2,533	1,405	2,799	2,851	1,429	-49.9
May	3,369	2,639	1,015	3,494	1,541	3,352	117.5
June	1,167	1,876	3,264	2,197	5,432	1,224	-77.5
FY Total	39,302	50,102	46,596	40,583	43,898	47,783	8.9
% change		27.5	-7.0	-12.9	8.2	8.9	
POTASH							
April	158	95	196	295	222	125	-43.7
May	264	41	194	102	56	31	-44.1
June	265	39	31	39	84	198	135.1
July	46	53	48	247	103	98	-4.9
August	1	189	92	317	302	232	-23.3
September	22	154	312	338	442	588	33.0
Total Kharif	756	571	873	1,338	1,209	1,271	5.1
% change		-24.5	52.9	53.3	-9.6	5.1	
October	156	51	124	322	74	229	210.1
November	39	173	190	101	93	273	193.3
December	53	96	19	132	167	127	-23.9
January	38	226	260	293	86	239	177.7
February	139	348	278	432	778	290	-62.8
March	520	709	975	1,047	459	1,307	184.8
Total Rabi	945	1,603	1,846	2,327	1,657	2,465	48.8
% change		69.6	15.2	26.1	-28.8	48.8	
April	95	196	295	222	125	29	-76.5
May	41	194	102	56	31	129	316.7
June	39	31	39	84	198	68	-65.4
FY Total	1,189	2,420	2,734	3,591	2,858	3,609	26.3
% change		103.5	13.0	31.3	-20.4	26.3	

Continued....

**MONTH-WISE AND PROVINCE-WISE COMPARATIVE NUTRIENT OFFTAKE DURING
KHARIF 2020, RABI 2020-21 AND FINANCIAL YEAR 2020-21 COMPARED WITH PREVIOUS
SEASONS/YEARS**

MONTHS/ SEASONS	Kharif 2015 Rabi 2015-16 FY 2015-16	Kharif 2016 Rabi 2016-17 FY 2016-17	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	(Tonnes)
							Per cent change in Kharif 2020, Rabi 2020-21 and Fiscal Year 2020-21 over previous months/seasons/years
BALUCHISTAN							
TOTAL							
April	13,321	9,140	7,208	7,868	10,553	8,836	-16.3
May	9,453	8,635	8,210	9,964	14,587	7,189	-50.7
June	8,632	7,843	12,661	11,921	14,167	35,187	148.4
July	5,890	14,970	20,426	12,480	13,770	24,483	77.8
August	8,472	10,571	14,114	7,382	12,842	24,805	93.2
September	1,418	7,586	11,674	10,760	12,423	10,761	-13.4
Total Kharif	47,186	58,745	74,293	60,375	78,342	111,262	42.0
% change		24.5	26.5	-18.7	29.8	42.0	
October	8,620	9,940	14,002	12,823	15,436	12,035	-22.0
November	7,953	13,913	17,406	13,377	19,614	12,125	-38.2
December	5,724	17,843	11,870	16,920	33,612	15,880	-52.8
January	3,793	13,414	9,852	7,602	10,811	14,066	30.1
February	2,658	7,699	8,642	10,024	14,306	9,622	-32.7
March	5,557	7,011	8,995	9,537	9,409	12,680	34.8
Total Rabi	34,305	69,820	70,767	70,283	103,188	76,408	-26.0
% change		103.5	1.4	-0.7	46.8	-26.0	
April	9,140	7,208	7,868	10,553	8,836	8,673	-1.8
May	8,635	8,210	9,964	14,587	7,189	18,070	151.4
June	7,843	12,661	11,921	14,167	35,187	17,069	-51.5
FY Total	75,703	131,026	146,734	140,212	193,435	180,269	-6.8
% change		73.1	12.0	-4.4	38.0	-6.8	
NITROGEN							
April	11,584	4,496	4,731	5,980	6,688	6,710	0.3
May	6,651	4,578	6,142	8,470	10,372	5,017	-51.6
June	6,427	7,371	10,665	9,623	10,950	27,503	151.2
July	4,843	11,168	10,208	8,055	10,259	17,298	68.6
August	6,735	7,543	11,723	5,704	9,351	19,079	104.0
September	1,170	3,952	5,628	8,109	7,989	6,321	-20.9
Total Kharif	37,410	39,108	49,097	45,941	55,609	81,928	47.3
		4.5	25.5	-6.4	21.0	47.3	
October	3,173	5,120	8,366	7,831	8,345	6,196	-25.8
November	4,664	8,912	11,649	8,764	10,593	9,073	-14.3
December	5,151	15,480	9,276	11,687	27,398	12,212	-55.4
January	3,459	11,003	8,759	5,963	8,522	12,125	42.3
February	2,158	6,200	7,108	8,273	12,256	8,240	-32.8
March	3,847	5,025	7,083	8,015	7,851	11,015	40.3
Total Rabi	22,452	51,740	52,241	50,533	74,965	58,862	-21.5
% change		130.4	1.0	-3.3	48.3	-21.5	
April	4,496	4,731	5,980	6,688	6,710	7,445	11.0
May	4,578	6,142	8,470	10,372	5,017	15,400	207.0
June	7,371	10,665	9,623	10,950	27,503	15,881	-42.3
FY Total	51,645	95,941	103,873	100,411	141,794	140,287	-1.1
% change		85.8	8.3	-3.3	41.2	-1.1	

Continued....

**MONTH-WISE AND PROVINCE-WISE COMPARATIVE NUTRIENT OFFTAKE DURING
KHARIF 2020, RABI 2020-21 AND FINANCIAL YEAR 2020-21 COMPARED WITH PREVIOUS
SEASONS/YEARS**

MONTHS/ SEASONS	(Tonnes)						Per cent change in Kharif 2020, Rabi 2020-21 and Fiscal Year 2020-21 over previous months/seasons/years
	Kharif 2015 Rabi 2015-16 FY 2015-16	Kharif 2016 Rabi 2016-17 FY 2016-17	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	
PHOSPHATE							
April	1,610	4,533	2,285	1,776	3,776	2,007	-46.8
May	2,495	3,965	1,933	1,347	4,157	2,089	-49.7
June	2,096	399	1,938	2,243	3,156	7,359	133.2
July	1,043	3,748	10,196	4,263	3,448	7,104	106.0
August	1,712	2,965	2,274	1,601	3,374	5,600	66.0
September	221	3,547	5,763	2,191	4,274	4,084	-4.4
Total Kharif	9,177	19,157	24,389	13,421	22,185	28,243	27.3
% change		108.8	27.3	-45.0	65.3	27.3	
October	5,386	4,683	5,429	4,788	6,951	5,533	-20.4
November	3,212	4,918	5,638	4,474	8,926	2,979	-66.6
December	542	2,311	2,510	5,091	6,065	3,420	-43.6
January	231	2,316	981	1,517	2,216	1,806	-18.5
February	383	1,282	1,230	1,581	1,767	1,263	-28.5
March	1,506	1,791	1,751	1,380	1,410	1,458	3.4
Total Rabi	11,260	17,301	17,539	18,831	27,335	16,459	-39.8
% change		53.7	1.4	7.4	45.2	-39.8	
April	4,533	2,285	1,776	3,776	2,007	1,145	-42.9
May	3,965	1,933	1,347	4,157	2,089	2,566	22.9
June	399	1,938	2,243	3,156	7,359	1,115	-84.8
FY Total	23,133	33,717	41,138	37,975	49,886	38,073	-23.7
% change		45.8	22.0	-7.7	31.4	-23.7	
POTASH							
April	126	111	193	112	89	119	33.7
May	307	94	135	148	59	83	40.7
June	109	74	58	55	62	325	424.0
July	4	55	22	162	63	82	29.9
August	25	64	117	78	118	126	6.5
September	26	87	283	461	160	355	122.1
Total Kharif	597	485	808	1,016	551	1,090	97.9
% change		-18.8	66.6	25.7	-45.8	97.9	
October	61	138	206	204	141	305	116.5
November	77	84	119	139	94	73	-22.9
December	31	52	83	142	149	248	66.7
January	102	95	112	123	73	134	84.0
February	117	217	304	170	282	119	-57.6
March	203	196	161	142	148	206	39.5
Total Rabi	591	782	985	920	887	1,086	22.5
% change		32.3	26.0	-6.6	-3.6	22.5	
April	111	193	112	89	119	83	-29.9
May	94	135	148	59	83	103	24.4
June	74	58	55	62	325	73	-77.7
FY Total	925	1,374	1,722	1,831	1,755	1,908	8.7
% change		48.5	25.3	6.3	-4.2	8.7	

MONTH-WISE PRODUCT-WISE OFFTAKE DURING 2019-20 AND 2020-21

(2019-20)

(Tonnes)

PRODUCT	SOURCE	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY.	JUN.	TOTAL
PRODUCT TONNES														
UREA	IMPORTED	1,185	22,213	44,356	8,586	13,981	10,662	-	-	-	-	-	-	100,983
UREA	FFC	207,328	277,108	212,066	54,889	156,003	665,503	73,787	332,465	255,574	136,412	132,180	605,759	3,109,074
UREA	DHCL	16,000	57,895	19,250	650	37,775	97,636	22,602	917	-	-	-	-	252,725
UREA	PAK-ARAB	-	-	-	-	-	-	-	772	102	220	52	4,769	5,915
UREA	EFERT	174,883	186,449	94,006	41,594	127,289	464,621	74,709	80,324	17,840	83,059	102,627	510,809	1,958,210
UREA	Agri Tech Limited (PAFL)	23,600	41,208	21,130	11,778	33,721	54,812	4,903	4,690	3,206	920	1,596	215	201,779
UREA	Fatima Fertilizer Company	42,500	40,552	14,498	3,862	11,960	52,125	85,746	41,279	25,778	21,737	3,179	43,373	386,589
UREA	TOTAL	465,496	625,425	405,306	121,359	380,729	1,345,359	261,747	460,447	302,500	242,348	239,634	1,164,925	6,015,275
NP	Imported	121	30.00	427.00	46	1,033	1,574	223	43	-	31	15	82	3,625
NP	PAK-ARAB	-	-	-	-	-	-	769	14,306	11,101	37,964	14,996	43,293	122,429
NP	EFERT	8,494	5,977	6,480	748	4,808	8,075	478	1,003	958	4,513	2,266	4,397	48,197
NP	Fatima Fertilizer Company	64,584	35,063	11,991	45,999	40,092	62,967	30,980	31,117	21,133	37,821	13,857	8,375	403,979
NP	TOTAL	73,199	41,070	18,898	46,793	45,933	72,616	32,450	46,469	33,192	80,329	31,134	56,147	578,230
SSP	Imported	3606	99	197	112	70	2	-	-	-	-	-	-	4,086
SSP	LCFL	-	-	-	-	-	-	-	-	-	-	-	-	0
SSP	Agri Tech Limited (PAFL)	0	1,500	8,453	14,217	7,070	-	1,571	3,740	1,380	4,533	3,645	9,451	55,560
SSP	Suraj Fertilizer	90	596	952	2,417	2,165	565	573	337	130	293	16	-	8,134
SSP	Safi Chemicals	-	-	55	151	690	-	-	101	-	50	-	621	1,668
SSP	TOTAL	3,696	2,195	9,657	16,897	9,995	567	2,144	4,178	1,510	4,876	3,661	10,072	69,448
DAP	IMPORTED	102,420	58,604	103,347	221,440	268,328	145,587	25,333	41,248	36,125	84,894	37,982	121,193	1,246,501
DAP	FFC-SONA	99,613	46,691	106,524	49,477	135,891	47,725	18,391	46,314	43,095	65,827	22,875	54,756	737,179
DAP	TOTAL	202,033	105,295	209,871	270,917	404,219	193,312	43,724	87,562	79,220	150,721	60,857	175,949	1,983,680
CAN	PAK-ARAB	-	-	13	37	0	8	5,152	22,822	9,607	18,670	7,022	31,337	94,668
CAN	Fatima Fertilizer Company	51,032	42,388	11,315	23,284	34,451	47,278	36,461	46,568	24,396	41,080	13,149	36,198	407,600
CAN	TOTAL	51,032	42,388	11,328	23,321	34,451	47,286	41,613	69,390	34,003	59,750	20,171	67,535	502,268
TSP	IMPORTED	-	-	-	-	-	-	-	-	-	-	-	-	-
SOP	Domestic	674	327	2,876	-	1,198	20	87	637	280	800	1,360	1,020	9,279
SOP	IMPORTED	1,425	1,364	3,836	3,519	2,608	6,241	883	2,922	2,416	2,651	1,694	3,127	32,686
SOP	Total	2,099	1,691	6,712	3,519	3,806	6,261	970	3,559	2,696	3,451	3,054	4,147	41,965
MAP	IMPORTED	3,027	1,847	3,198	1,924	4,805	2,491	396	1,926	1,756	3,348	1,097	1,582	27,397
MOP	IMPORTED	2,166	2,608	4,158	3,528	1,817	1,624	880	3,888	1,608	1,353	1,110	2,682	27,422
NPKs	EFERT	4,945	6,266	10,692	6,063	5,227	3,392	1,344	12,006	7,440	5,901	2,511	5,563	71,350
NPKs	Safi Chemicals	-	-	-	22	-	-	-	-	-	-	-	-	22
AS	IMPORTED	7,698	5,990	3,664	5,277	4,985	7,062	3,026	5,588	4,680	6,275	3,337	14,645	72,227
	GRAND TOTAL	815,391	834,775	683,484	499,620	895,967	1,679,970	388,294	695,013	468,605	558,352	366,566	1,503,247	9,389,284

Continued....

MONTH-WISE PRODUCT-WISE OFFTAKE DURING 2019-20 AND 2020-21

(2020-21)

(Tonnes)

PRODUCT	SOURCE	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY.	JUN.	TOTAL
PRODUCT TONNES														
UREA	IMPORTED	-	-	-	-	-	-	-	-	-	-	-	-	0
UREA	FFC	143,235	340,282	212,962	191,232	249,423	398,137	221,235	203,542	219,697	163,501	241,203	300,869	2,885,318
UREA	DHCL	-	-	-	-	-	-	-	-	-	-	-	-	0
UREA	PAK-ARAB	2,778	2,791	65	-	15	-	-	-	-	311	3	5,594	11,557
UREA	EFERT	333,810	161,818	122,157	157,676	183,925	228,814	347,978	160,093	94,076	109,810	199,904	255,928	2,355,989
UREA	Agri Tech Limited (PAFL)	65	18,045	12,840	13,586	25,510	53,721	2,645	712	1,975	10,119	12,537	28,891	180,646
UREA	Fatima Fertilizer Company	94,997	50,354	44,791	50,641	74,211	199,952	76,681	41,856	27,298	25,503	47,841	98,956	833,081
UREA	TOTAL	574,885	573,290	392,815	413,135	533,084	880,624	648,539	406,203	343,046	309,245	501,488	690,238	6,266,590
NP	Imported	-	-	112	-	67	-	-	-	-	-	-	-	179
NP	PAK-ARAB	26,301	19,796	2,066	1,821	2,046	1,698	74	4	-	11,855	10,819	11,294	87,773
NP	EFERT	3,611	8,909	8,040	7,528	9,067	10,935	6,765	2,423	2,955	1,927	61	6,122	68,343
NP	Fatima Fertilizer Company	58,208	45,445	43,503	48,997	75,492	58,775	86,935	68,357	9,143	83,610	27,604	24,109	630,178
NP	TOTAL	88,120	74,150	53,721	58,346	86,672	71,408	93,774	70,784	12,098	97,392	38,484	41,525	786,474
SSP	Imported	0	-	-	0	0	-	-	-	-	-	-	-	0
SSP	LCFL	-	-	-	-	-	-	-	-	-	-	-	-	0
SSP	Agri Tech Limited (PAFL)	10,370	3,555	3,895	8,926	7,458	1,406	3,548	3,945	2,553	1,310	5,553	7,015	59,534
SSP	Suraj Fertilizer	-	-	2,872	3,667	2,772	463	4,328	5,216	2,239	1,641	3,032	1,966	28,196
SSP	Safi Chemicals	-	5	150	277	154	-	-	-	-	-	200	600	1,386
SSP	TOTAL	10,370	3,560	6,917	12,870	10,384	1,869	7,876	9,161	4,792	2,951	8,785	9,581	89,116
DAP	IMPORTED	146,339	186,252	133,429	99,424	198,708	127,252	66,651	51,755	81,377	24,256	104,378	45,107	1,264,928
DAP	FFC-SONA	104,633	108,760	95,050	129,950	158,092	78,531	16,870	37,385	62,383	21,913	68,855	23,073	905,495
DAP	TOTAL	250,972	295,012	228,479	229,374	356,800	205,783	83,521	89,140	143,760	46,169	173,233	68,180	2,170,423
CAN	PAK-ARAB	31,675	29,514	2,280	1,061	3,206	447	271	62	35	12,204	28,947	41,474	151,175
CAN	Fatima Fertilizer Company	54,489	59,225	29,211	32,416	44,216	74,707	108,604	82,046	55,518	57,849	51,115	51,010	700,406
CAN	TOTAL	86,164	88,739	31,491	33,477	47,422	75,154	108,875	82,108	55,553	70,052	80,062	92,484	851,581
TSP	IMPORTED	-	-	-	-	-	-	-	-	-	-	-	-	0
SOP	Domestic	823	267	1,941	1,382	1,150	961	1,752	938	970	995	770	920	12,869
SOP	IMPORTED	3,358	3,316	7,725	4,334	3,413	3,036	2,231	1,787	3,121	4,188	2,546	3,385	42,439
SOP	Total	4,181	3,583	9,666	5,716	4,563	3,997	3,983	2,725	4,091	5,183	3,316	4,305	55,308
MAP	IMPORTED	3,483	19,680	893	113	58	43	1	130	7,897	953	708	182	34,140
MOP	IMPORTED	2,528	2,960	7,108	5,633	3,180	2,123	3,383	4,022	3,164	3,063	1,699	2,254	41,115
NPks	EFERT	5,457	6,596	18,871	10,315	3,694	2,978	6,483	11,064	16,480	2,281	3,683	3,684	91,586
NPks	Safi Chemicals	-	-	-	-	-	-	-	-	-	-	-	-	0
AS	IMPORTED	9,222	5,542	7,984	4,797	8,685	15,477	14,512	4,811	5,014	10,254	6,542	7,696	100,537
GRAND TOTAL		1,035,382	1,073,111	757,946	773,775	1,054,541	1,259,456	970,947	680,148	595,895	547,542	818,000	920,128	10,486,869

MONTH-WISE AND PROVINCE-WISE COMPARATIVE OFFTAKE OF PRINCIPAL RPDODUCTS (UREA & DAP) DURING KHARIF 2020, RABI 2020-21 AND FISCAL YEAR 2020-21 COMPARED WITH PREVIOUS SEASONS/YEARS

(Tonnes)

MONTHS/ SEASONS	Kharif 2015 Rabi 2015-16 FY 2015-16	Kharif 2016 Rabi 2016-17 FY 2016-17	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	Per cent change in Kharif 2020, Rabi 2020-21 and Fiscal Year 2020-21 over previous months/seasons/years
PAKISTAN							
UREA							
April	366,661	213,012	249,865	375,459	292,425	242,348	-17.1
May	421,760	250,623	520,902	493,808	592,525	239,634	-59.6
June	566,537	590,385	1,059,648	608,109	642,577	1,164,925	81.3
July	447,478	777,875	339,002	496,634	465,496	574,885	23.5
August	428,920	573,701	884,858	430,696	625,424	573,290	-8.3
September	193,013	297,856	179,813	482,417	405,306	392,815	-3.1
Total Kharif	2,424,369	2,703,452	3,234,088	2,887,123	3,023,753	3,187,897	5.4
% change		11.5	19.6	-10.7	4.7	5.4	
October	197,090	360,173	375,386	465,071	121,359	413,135	240.4
November	623,023	764,119	601,671	496,923	380,729	533,084	40.0
December	838,674	897,552	715,685	710,890	1,345,359	880,624	-34.5
January	346,439	406,265	539,216	563,652	261,747	648,539	147.8
February	315,020	257,117	370,014	388,197	460,447	406,203	-11.8
March	114,295	206,831	342,093	408,461	302,500	343,046	13.4
Total Rabi	2,434,541	2,892,057	2,944,065	3,033,194	2,872,141	3,224,630	12.3
% change		18.8	1.8	3.0	-5.3	12.3	
April	213,012	249,865	375,459	292,425	242,348	309,245	27.6
May	250,623	520,902	493,808	592,525	239,634	501,488	109.3
June	590,385	1,059,648	608,109	642,577	1,164,925	690,238	-40.7
FY Total	4,557,972	6,371,904	5,825,114	5,970,468	6,015,274	6,266,590	4.2
% change		39.8	-8.6	2.5	0.8	4.2	
DAP							
April	69,544	104,833	95,697	68,800	86,170	150,721	74.9
May	109,545	106,292	70,716	62,513	213,024	60,857	-71.4
June	111,633	42,892	111,754	189,898	157,743	175,949	11.5
July	81,859	199,259	283,116	301,790	202,033	250,972	24.2
August	33,776	134,423	77,767	79,067	105,295	295,012	180.2
September	6,803	109,144	353,626	198,945	209,871	228,479	8.9
Total Kharif	413,160	696,843	992,676	901,013	974,136	1,161,990	19.3
% change		68.7	42.5	-9.2	8.1	19.3	
October	535,974	501,085	387,095	521,251	270,917	229,374	-15.3
November	537,451	631,435	501,796	264,586	404,219	356,800	-11.7
December	132,359	162,277	150,476	189,045	193,312	205,783	6.5
January	76,534	61,111	92,209	74,621	43,724	83,521	91.0
February	71,342	97,636	122,431	48,533	87,562	89,140	1.8
March	92,903	154,051	150,156	65,475	79,220	143,760	81.5
Total Rabi	1,446,563	1,607,595	1,404,163	1,163,511	1,078,954	1,108,379	2.7
% change		11.1	-12.7	-17.1	-7.3	2.7	
April	104,833	95,697	68,800	86,170	150,721	46,169	-69.4
May	106,292	70,716	62,513	213,024	60,857	173,233	184.7
June	42,892	111,754	189,898	157,743	175,949	68,180	-61.3
FY Total	1,823,018	2,328,588	2,439,883	2,200,250	1,983,680	2,170,423	9.4
% change		27.7	4.8	-9.8	-9.8	9.4	

Continued....

MONTH-WISE AND PROVINCE-WISE COMPARATIVE OFFTAKE OF PRINCIPAL RPDODUCTS (UREA & DAP) DURING KHARIF 2020, RABI 2020-21 AND FISCAL YEAR 2020-21 COMPARED WITH PREVIOUS SEASONS/YEARS

							(Tonnes)
MONTHS/ SEASONS	Kharif 2015 Rabi 2015-16 FY 2015-16	Kharif 2016 Rabi 2016-17 FY 2016-17	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	Per cent change in Kharif 2020, Rabi 2020-21 and Fiscal Year 2020-21 over previous months/seasons/years
PUNJAB							
UREA							
April	238265	127727	166078	258152	197975	159520	-19.4
May	267,242	148,173	356,255	301,045	399,861	158,770	-60.3
June	372,696	394,465	729,309	403,817	423,733	738,772	74.3
July	279,551	447,907	202,927	328,517	309,388	389,980	26.0
August	281,489	370,601	598,953	308,046	428,184	397,842	-7.1
September	125,676	204,483	119,861	271,512	299,846	298026	-0.6
Total Kharif	1,564,919	1,693,356	2,173,383	1,871,089	2,058,987	2,142,910	4.1
% change		8.2	28.3	-13.9	10.0	4.1	
October	117984	239911	224845	318097	74133	283812	282.8
November	395,565	528,850	394,501	357,794	252,291	349,834	38.7
December	592,684	630,370	524,440	463,594	875,921	585,190	-33.2
January	198,419	264,415	357,302	393,162	166,952	432,938	159.3
February	223,601	158,625	262,125	260,365	302,990	303,450	0.2
March	63,255	135,723	260,446	298,227	224,754	258412	15.0
Total Rabi	1,591,508	1,957,894	2,023,659	2,091,239	1,897,041	2,213,636	16.7
% change		23.0	3.4	3.3	-9.3	16.7	
April	127727	166078	258152	197975	159520	206138	29.2
May	148,173	356,255	301,045	399,861	158,770	355,961	124.2
June	394,465	729,309	403,817	423,733	738,772	472,932	-36.0
FY Total	2,948,589	4,232,527	3,908,414	4,020,883	3,991,521	4,334,513	8.6
% change		43.5	-7.7	2.9	-0.7	8.6	
DAP							
April	39,746	60,599	64,240	44,195	55,403	103408	86.6
May	73,135	53,736	46,863	43,691	135,635	39,170	-71.1
June	77,154	33,164	86,124	142,447	116,870	115,617	-1.1
July	54,473	133,609	178,063	222,575	157,163	163677.6	4.1
August	15,855	101,004	52,548	52,093	71,104	211,057	196.8
September	3,835	71,383	279,420	151,691	155,557	161,705	4.0
Total Kharif	264,198	453,495	707,258	656,692	691,732	794,636	14.9
% change		71.6	56.0	-7.1	5.3	14.9	
October	408,855	384,802	286,494	370,771	196,919	151,848	-22.9
November	391,813	486,493	363,911	189,575	271,446	267,645	-1.4
December	108,760	123,569	111,108	135,689	129,255	162,919	26.0
January	42,113	48,874	72,494	47,274	32,038	65,667	105.0
February	54,391	68,675	96,190	34,302	67,138	69,194	3.1
March	67,989	107,220	108,465	51,083	56,425	100,444	78.0
Total Rabi	1,073,921	1,219,633	1,038,662	828,694	753,221	817,717	8.6
% change		13.6	-14.8	-20.2	-9.1	8.6	
April	60,599	64,240	44,195	55,403	103,408	36,807	-64.4
May	53,736	46,863	43,691	135,635	39,170	130,089	232.1
June	33,164	86,124	142,447	116,870	115,617	54,681	-52.7
FY Total	1,295,583	1,722,856	1,779,026	1,562,961	1,395,240	1,575,734	12.9
% change		33.0	3.3	-12.1	-10.7	12.9	

Continued....

**MONTH-WISE AND PROVINCE-WISE COMPARATIVE OFFTAKE OF PRINCIPAL RPDODUCTS
(UREA & DAP) DURING KHARIF 2020, RABI 2020-21 AND FISCAL YEAR 2020-21 COMPARED
WITH PREVIOUS SEASONS/YEARS**

(Tonnes)

MONTHS/ SEASONS	Kharif 2015 Rabi 2015-16 FY 2015-16	Kharif 2016 Rabi 2016-17 FY 2016-17	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	Per cent change in Kharif 2020, Rabi 2020-21 and Fiscal Year 2020-21 over previous months/seasons/years
SINDH							
UREA							
April	74,499	56,778	56,349	81,396	64,728	45,048	-30.4
May	124,079	77,770	122,735	155,726	148,501	58,607	-60.5
June	154,513	153,098	269,302	164,542	178,950	338,954	89.4
July	138,144	262,996	106,516	140,360	117,817	127,098	7.9
August	110,425	150,771	243,184	91,141	152,391	108,057	-29.1
September	47,305	78,327	49,085	177,817	72,164	62,600	-13.3
Total Kharif	648,965	779,740	847,171	810,982	734,551	740,364	0.8
% change		20.2	8.6	-4.3	-9.4	0.8	
October	66,185	93,987	123,954	113,587	29,195	99,330	240.2
November	195,245	187,881	162,266	112,123	91,727	136,482	48.8
December	212,205	210,933	154,436	201,360	371,327	239,332	-35.5
January	123,751	103,939	144,230	133,447	59,448	170,179	186.3
February	69,485	68,615	74,313	90,702	108,160	60,034	-44.5
March	20,874	39,863	44,557	67,455	45,962	37,558	-18.3
Total Rabi	687,745	705,218	703,756	718,674	705,819	742,915	5.3
% change		2.5	-0.2	2.1	-1.8	5.3	
April	56,778	56,349	81,396	64,728	45,048	54,740	21.5
May	77,770	122,735	155,726	148,501	58,607	92,889	58.5
June	153,098	269,302	164,542	178,950	338,954	159,900	-52.8
FY Total	1,271,265	1,645,698	1,504,205	1,520,171	1,490,800	1,348,199	-9.6
% change		29.5	-8.6	1.1	-1.9	-9.6	
DAP							
April	19,307	26,508	23,620	19,967	19,969	39,913	99.9
May	25,068	40,337	15,867	14,897	63,600	16,294	-74.4
June	24,539	8,320	19,990	36,537	29,911	34,958	16.9
July	21,329	54,825	80,013	60,346	32,014	67,085	109.5
August	12,893	23,720	18,182	22,421	21,864	61,617	181.8
September	2,106	22,845	46,572	33,093	38,613	48,844	26.5
Total Kharif	105,242	176,555	204,244	187,261	205,971	268,711	30.5
% change		67.8	15.7	-8.3	10.0	30.5	
October	99,527	89,943	74,414	122,406	47,697	58,449	22.5
November	122,011	118,020	110,287	57,594	104,065	69,235	-33.5
December	19,478	27,875	29,477	39,348	49,736	31,343	-37.0
January	32,387	6,425	14,962	21,658	5,480	14,750	169.2
February	11,665	21,566	20,237	8,493	14,383	14,304	-0.5
March	18,064	37,381	29,718	11,223	17,218	36,936	114.5
Total Rabi	303,132	301,210	279,095	260,722	238,579	225,018	-5.7
% change		-0.6	-7.3	-6.6	-8.5	-5.7	
April	26,508	23,620	19,967	19,969	39,913	5,869	-85.3
May	40,337	15,867	14,897	63,600	16,294	31,990	96.3
June	8,320	19,990	36,537	29,911	34,958	10,059	-71.2
FY Total	414,625	462,077	495,263	490,062	422,235	450,482	6.7
% change		11.4	7.2	-1.1	-13.8	6.7	

Continued....

**MONTH-WISE AND PROVINCE-WISE COMPARATIVE OFFTAKE OF PRINCIPAL RPDODUCTS
(UREA & DAP) DURING KHARIF 2020, RABI 2020-21 AND FISCAL YEAR 2020-21 COMPARED
WITH PREVIOUS SEASONS/YEARS**

(Tonnes)

MONTHS/ SEASONS	Kharif 2015 Rabi 2015-16 FY 2015-16	Kharif 2016 Rabi 2016-17 FY 2016-17	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	Per cent change in Kharif 2020, Rabi 2020-21 and Fiscal Year 2020-21 over previous months/seasons/years
KP							
UREA							
April	30,342	23,619	19,853	24,913	19,287	25,861	34.1
May	18,340	19,648	30,816	20,150	26,307	13,648	-48.1
June	27,929	27,805	40,065	21,161	18,999	35,364	86.1
July	20,154	47,101	16,534	14,222	20,105	27,082	34.7
August	23,867	38,797	19,544	20,989	27,862	31,494	13.0
September	17,735	9,814	4,095	17,548	19,831	22,534	13.6
Total Kharif	138,367	166,784	130,907	118,983	132,391	155,983	17.8
% change		20.5	-21.5	-9.1	11.3	17.8	
October	10,785	19,860	13,750	21,004	6,637	22,418	237.8
November	25,646	32,895	24,674	12,126	21,983	30,196	37.4
December	23,212	25,935	19,234	25,436	44,430	33,291	-25.1
January	17,129	17,252	19,901	25,788	19,405	21,822	12.5
February	17,800	18,382	19,717	20,879	25,102	26,587	5.9
March	23,722	22,351	23,430	27,039	21,501	29,717	38.2
Total Rabi	118,294	136,675	120,706	132,272	139,058	164,030	18.0
% change		15.5	-11.7	9.6	5.1	18.0	
April	23,619	19,853	24,913	19,287	25,861	33,832	30.8
May	19,648	30,816	20,150	26,307	13,648	21,964	60.9
June	27,805	40,065	21,161	18,999	35,364	24,651	-30.3
FY Total	251,122	323,121	227,103	249,624	281,729	325,587	15.6
% change		28.7	-29.7	9.9	12.9	15.6	
DAP							
April	7,357	8,735	4,045	1,694	3,829	4,464	16.6
May	6,245	5,416	4,619	1,584	6,480	1,860	-71.3
June	5,731	1,361	2,253	6,657	4,435	10,523	137.3
July	3,843	4,345	3,683	10,381	7,513	6,678	-11.1
August	1,358	3,684	2,669	2,012	5,791	12,665	118.7
September	452	7,761	16,066	9,929	6,795	10,115	48.9
Total Kharif	24,985	31,302	33,335	32,257	34,843	46,304	32.9
% change		25.3	6.5	-3.2	8.0	32.9	
October	16,296	17,400	15,686	18,744	12,537	9,125	-27.2
November	17,585	17,237	15,840	8,335	10,723	14,595	36.1
December	3,245	7,441	5,185	3,880	2,387	5,538	132.0
January	1,749	2,952	3,331	3,070	2,645	1,280	-51.6
February	4,792	5,792	4,379	3,002	3,884	4,218	8.6
March	4,749	6,453	8,892	1,078	3,677	4,176	13.6
Total Rabi	48,416	57,275	53,313	38,109	35,853	38,932	8.6
% change		18.3	-6.9	-28.5	-5.9	8.6	
April	8,735	4,045	1,694	3,829	4,464	2,042	-54.2
May	5,416	4,619	1,584	6,480	1,860	6,442	246.3
June	1,361	2,253	6,657	4,435	10,523	2,205	-79.0
FY Total	69,581	83,982	85,666	75,175	72,799	79,078	8.6
% change		20.7	2.0	-12.2	-3.2	8.6	

Continued....

**MONTH-WISE AND PROVINCE-WISE COMPARATIVE OFFTAKE OF PRINCIPAL RPDODUCTS
(UREA & DAP) DURING KHARIF 2020, RABI 2020-21 AND FISCAL YEAR 2020-21 COMPARED
WITH PREVIOUS SEASONS/YEARS**

(Tonnes)

MONTHS/ SEASONS	Kharif 2015 Rabi 2015-16 FY 2015-16	Kharif 2016 Rabi 2016-17 FY 2016-17	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	Per cent change in Kharif 2020, Rabi 2020-21 and Fiscal Year 2020-21 over previous months/seasons/years
BALUCHISTAN							
UREA							
April	23,555	4,888	7,585	10,933	10,430	11,919	14.3
May	12,099	5,032	11,096	16,887	17,781	8,609	-51.6
June	11,399	15,017	20,972	18,589	20,895	51,835	148.1
July	9,629	19,871	13,025	13,535	18,064	30,725	70.1
August	13,139	13,532	23,177	10,520	16,960	35,897	111.7
September	2,297	5,232	6,772	15,540	13,465	9,655	-28.3
Total Kharif	72,118	63,572	82,627	86,004	97,595	148,640	52.3
% change		-11.9	30.0	4.1	13.5	52.3	
October	2136	6415	12837	12383	11394	7,575	-33.5
November	6,567	14,493	20,230	14,880	14,728	16,573	12.5
December	10,573	30,314	17,575	20,500	53,681	22,811	-57.5
January	7,140	20,659	17,771	11,250	15,942	23,600	48.0
February	4,134	11,495	13,859	16,183	24,195	16,132	-33.3
March	6,444	8,894	13,510	15,706	10,283	17,359	68.8
Total Rabi	36,994	92,270	95,782	90,902	130,223	104,050	-20.1
% change		149.4	3.8	-5.1	43.3	-20.1	
April	4,888	7,585	10,933	10,430	11,919	14,535	21.9
May	5,032	11,096	16,887	17,781	8,609	30,674	256.3
June	15,017	20,972	18,589	20,895	51,835	32,756	-36.8
FY Total	86,996	170,558	185,165	179,603	251,075	258,292	2.9
% change		96.1	8.6	-3.0	39.8	2.9	
DAP							
April	3,135	8,991	3,793	2,943	6,967	2,935	-57.9
May	5,097	6,803	3,346	2,340	7,304	3,533	-51.6
June	4,209	47	3,382	4,257	6,527	14,851	127.5
July	2215	6481	21356	8,488	5,343	13,532	153.3
August	3670	6016	4368	2,541	6,536	9,673	48.0
September	411	7,155	11,568	4,232	8,906	7,816	-12.2
Total Kharif	18,737	35,493	47,813	24,801	41,583	52,339	25.9
% change		89.4	34.7	-48.1	67.7	25.9	
October	11,296	8,940	10,496	9,330	13764	9,951	-27.7
November	6,042	9,686	11,758	9,084	17,985	5,325	-70.4
December	876	3,392	4,706	10,128	11,934	5,983	-49.9
January	285	2,861	1,422	2,620	3,560	1,824	-48.8
February	493	1,604	1,626	2,737	2,157	1,424	-34.0
March	2,101	2,997	3,080	2,086	1,900	2,204	16.0
Total Rabi	21,093	29,480	33,088	35,985	51,300	26,712	-47.9
% change		39.8	12.2	8.8	42.6	-47.9	
April	8,991	3,793	2,943	6,967	2,935	1,450	-50.6
May	6,803	3,346	2,340	7,304	3,533	4,712	33.4
June	47	3,382	4,257	6,527	14,851	1,235	-91.7
FY Total	43,230	59,653	79,920	72,044	93,404	65,128	-30.3
% change		38.0	34.0	-9.9	29.6	-30.3	

PROVINCE WISE AND MONTH WISE FERTILIZER OFFTAKE DURING KHARIF 2020, RABI 2020-21 AND FISCAL YEAR 2020-21

(Tonnes)

Month/ Season	UREA	DAP	NP	CAN	SSP	TSP	SOP	MAP	MOP	AS	NPK's	TOTAL
PUNJAB												
Kharif 2020												
April	159,520	103,408	42,821	36,686	3,716	-	2,925	1,453	1,169	5,114	2,486	359,299
May	158,770	39,170	14,430	14,605	2,311	-	2,821	422	1,061	2,773	1,091	237,452
June	738,772	115,617	47,287	52,600	8,877	-	3,397	926	2,219	8,813	3,240	981,748
July	389,980	163,678	55,392	68,308	9,670	-	3,908	1,957	2,296	7,328	3,357	705,874
Aug	397,842	211,057	51,419	71,814	3,220	-	3,102	14,157	2,535	4,448	4,651	764,245
Sep	298,026	161,705	36,336	23,403	6,497	-	8,368	124	5,815	5,655	13,752	559,681
Total	2,142,910	794,636	247,685	267,416	34,291	-	24,522	19,039	15,095	34,130	28,577	3,608,300
Rabi 2020-21												
Oct	283,812	151,848	33,028	21,051	12,235	-	4,637	38	5,045	3,982	5,596	521,272
Nov	349,834	267,645	56,115	36,341	9,854	-	2,753	29	2,956	7,888	1,475	734,890
Dec	585,190	162,919	53,354	65,451	1,864	-	1,656	20	1,601	13,498	1,270	886,823
Jan	432,938	65,667	69,772	97,478	6,736	-	3,579	1	1,792	13,496	3,315	694,773
Feb	303,450	69,194	49,061	74,115	8,331	-	2,381	130	3,730	4,224	6,423	521,039
Mar	258,412	100,444	7,467	40,070	4,192	-	2,888	5,825	3,036	4,106	6,013	432,453
Total	2,213,636	817,717	268,796	334,506	43,212	-	17,893	6,042	18,160	47,194	24,092	3,791,249
April	206,138	36,807	71,571	44,219	2,636	-	4,570	650	2,928	8,449	810	378,776
May	355,961	130,089	25,286	50,599	7,832	-	2,838	373	1,552	5,587	1,878	581,995
Jun	472,932	54,681	28,513	79,003	8,415	-	3,638	95	2,226	6,089	2,136	657,727
Fiscal Year 2020-21	4,334,513	1,575,734	537,314	671,852	81,482	-	44,317	23,398	35,512	84,748	50,676	7,439,546

Continued....

PROVINCE WISE AND MONTH WISE FERTILIZER OFFTAKE DURING KHARIF 2020, RABI 2020-21 AND FISCAL YEAR 2020-21

(Tonnes)

Month/ Season	UREA	DAP	NP	CAN	SSP	TSP	SOP	MAP	MOP	AS	NPK's	TOTAL
SINDH												
Kharif 2020												
April	45,048	39,913	32,096	22,684	-	-	413	1,855	70	359	2,718	145,155
May	58,607	16,294	12,835	5,296	30	-	149	510	11	399	1,159	95,290
June	338,954	34,958	4,785	13,860	150	-	380	656	122	2,357	1,606	397,829
July	127,098	67,085	26,576	17,501	30	-	178	1,103	135	1,007	1,709	242,421
Aug	108,057	61,617	17,912	16,210	-	-	281	4,659	221	573	1,249	210,778
Sep	62,600	48,844	11,132	7,968	-	-	740	708	640	1,396	3,711	137,738
Total	740,364	268,711	105,336	83,519	210	-	2,141	9,490	1,198	6,090	12,152	1,229,211
Rabi 2020-21												
Oct	99,330	58,449	19,261	12,116	30	-	736	51	296	529	3,723	194,521
Nov	136,482	69,235	25,658	10,863	-	-	1,451	29	94	612	1,739	246,164
Dec	239,332	31,343	14,758	9,703	5	-	1,901	23	380	1,449	1,326	300,220
Jan	170,179	14,750	16,048	11,222	-	-	349	-	1,481	945	1,753	216,726
Feb	60,034	14,304	16,500	7,876	80	-	269	-	108	396	3,294	102,861
Mar	37,558	36,936	2,879	14,777	100	-	393	2,072	56	597	3,856	99,224
Total	742,915	225,018	95,104	66,557	215	-	5,099	2,176	2,415	4,527	15,691	1,159,715
April	54,740	5,869	21,451	25,183	105	-	489	258	97	1,452	1,302	110,947
May	92,889	31,990	9,867	29,339	638	-	239	335	63	491	1,474	167,325
Jun	159,900	10,059	9,674	13,261	1,116	-	572	87	12	1,340	1,110	197,131
Fiscal Year 2020-21	1,348,199	450,482	191,716	176,018	2,104	-	7,597	9,325	3,582	10,786	26,246	2,226,055

Continued....

PROVINCE WISE AND MONTH WISE FERTILIZER OFFTAKE DURING KHARIF 2020, RABI 2020-21 AND FISCAL YEAR 2020-21

(Tonnes)

Month/ Season	UREA	DAP	NP	CAN	SSP	TSP	SOP	MAP	MOP	AS	NPK's	TOTAL
KP												
Kharif 2020												
April	25,861	4,464	2,619	380	1,160	-	74	-	57	632	317	35,564
May	13,648	1,860	2,162	270	1,320	-	19	9	23	143	47	19,500
June	35,364	10,523	1,718	1,045	1,045	-	113	-	150	1,346	277	51,581
July	27,082	6,678	3,454	285	670	-	42	-	64	779	200	39,253
Aug	31,494	12,665	1,882	685	340	-	103	-	124	381	544	48,218
Sep	22,534	10,115	5,013	120	420	-	411	-	500	602	426	40,141
Total	155,983	46,304	16,848	2,785	4,955	-	762	9	918	3,882	1,811	234,257
Rabi 2020-21												
Oct	22,418	9,125	2,654	285	605	-	220	-	148	104	167	35,725
Nov	30,196	14,595	2,907	218	530	-	329	-	129	180	163	49,246
Dec	33,291	5,538	660	-	-	-	62	-	130	499	98	40,278
Jan	21,822	1,280	4,221	175	1,140	-	54	-	110	57	740	29,599
Feb	26,587	4,218	3,100	95	750	-	72	-	179	178	737	35,916
Mar	29,717	4,176	572	706	500	-	795	-	38	300	5,677	42,481
Total	164,030	38,932	14,114	1,479	3,525	-	1,532	-	734	1,318	7,582	233,245
April	33,832	2,042	2,178	651	210	-	12	-	16	353	83	39,378
May	21,964	6,442	1,482	124	315	-	135	-	51	384	168	31,065
Jun	24,651	2,205	782	220	50	-	33	-	5	226	253	28,425
Fiscal Year 2020-21	325,587	79,078	28,905	3,564	5,530	-	2,268	-	1,493	4,042	9,256	459,724

Continued....

PROVINCE WISE AND MONTH WISE FERTILIZER OFFTAKE DURING KHARIF 2020, RABI 2020-21 AND FISCAL YEAR 2020-21

(Tonnes)												
Month/ Season	UREA	DAP	NP	CAN	SSP	TSP	SOP	MAP	MOP	AS	NPK's	TOTAL
BALUCHISTAN												
Kharif 2020												
April	11,919	2,935	2,793	-	-	-	40	40	58	170	380	18,335
May	8,609	3,533	1,707	-	-	-	66	156	17	23	214	14,325
June	51,835	14,851	2,197	30	-	-	257	-	190	2,129	440	71,929
July	30,725	13,532	2,698	70	-	-	53	423	33	109	191	47,834
Aug	35,897	9,673	2,937	30	-	-	96	865	80	141	152	49,870
Sep	9,655	7,816	1,240	-	-	-	147	62	153	331	982	20,385
Total	148,640	52,339	13,572	130	-	-	658	1,545	530	2,903	2,359	222,677
Rabi 2020-21												
Oct	7,575	9,951	3,403	25	-	-	123	23	145	182	829	22,257
Nov	16,573	5,325	1,992	-	-	-	30	-	-	5	317	24,242
Dec	22,811	5,983	2,636	-	-	-	378	-	12	31	284	32,135
Jan	23,600	1,824	3,733	-	-	-	2	-	-	15	675	29,849
Feb	16,132	1,424	2,123	22	-	-	3	-	5	13	610	20,332
Mar	17,359	2,204	1,180	-	-	-	15	-	34	11	934	21,737
Total	104,050	26,712	15,067	47	-	-	552	23	196	257	3,649	150,553
April	14,535	1,450	2,192	-	-	-	112	45	22	-	86	18,442
May	30,674	4,712	1,849	-	-	-	104	-	33	80	163	37,615
Jun	32,756	1,235	2,556	-	-	-	62	-	11	41	185	36,846
Fiscal Year 2020-21	258,292	65,128	28,539	147	-	-	1,125	1,417	527	960	5,408	361,544
PAKISTAN												
Kharif 2020	3,187,897	1,161,990	383,601	353,850	39,456	-	28,083	30,084	17,741	47,006	44,899	5,294,604
Rabi 2020-21	3,224,630	1,108,379	393,081	402,589	46,952	-	25,075	8,241	21,504	53,296	51,014	5,334,761
Fiscal Year 2020-21	6,266,590	2,170,423	786,474	851,581	89,116	-	55,308	34,140	41,114	100,536	91,586	10,486,869

MONTH-WISE NUTRIENT SUPPLY / DEMAND SITUATION FROM APRIL 2020 TO JUNE 2021

	(Tonnes)			
DESCRIPTION	NITROGEN	PHOSPHATE	POTASH	TOTAL
APRIL 2020				
Opening Balance	391,566	259,473	16,484	667,523
Domestic production	274,177	36,457	1,332	311,966
Imports	8,022	11,994	1,167	21,182
Total Availability	673,766	307,923	18,983	1,000,671
Offtake	174,213	89,185	3,529	266,927
Export	-	-	-	-
Adjustments (+)	8,279	15,246	11	23,536
Adjustments (-)	5,853	14,957	21	20,830
National Inventory	501,978	219,028	15,444	736,450
MAY 2020				
Opening Balance	501,978	219,028	15,444	736,450
Domestic production	284,045	53,146	1,213	338,404
Imports	16,959	32,618	1,199	50,776
Total Availability	802,982	304,792	17,856	1,125,630
Offtake	134,366	35,975	2,659	173,000
Export	-	-	-	-
Adjustments (+)	1,399	3,572	2	4,973
Adjustments (-)	7,341	3,571	0	10,912
National Inventory	662,674	268,818	15,198	946,690
JUNE 2020				
Opening Balance	662,674	268,818	15,198	946,690
Domestic production	260,339	51,139	1,072	312,550
Imports	14,411	39,248	849	54,508
Total Availability	937,424	359,205	17,119	1,313,748
Offtake	601,283	95,971	4,712	701,966
Export	-	-	-	-
Adjustments (+)	3,172	8,106	-	11,279
Adjustments (-)	5,718	7,763	0.2	13,481
National Inventory	333,596	263,577	12,407	609,579

Continued....

MONTH-WISE NUTRIENT SUPPLY / DEMAND SITUATION FROM APRIL 2020 TO JUNE 2021

	(Tonnes)			
DESCRIPTION	NITROGEN	PHOSPHATE	POTASH	TOTAL
JULY 2020				
Opening Balance	333,596	263,577	12,407	609,579
Domestic production	274,419	53,287	2,257	329,962
Imports	20,092	51,091	5,773	76,956
Total Availability	628,108	367,954	20,436	1,016,498
Offtake	355,212	140,436	4,642	500,290
Export	-	-	-	-
Adjustments (+)	19,455	24,090	2	43,546
Adjustments (-)	6,134	15,412	388	21,933
National Inventory	286,217	236,196	15,408	537,821
AUGUST 2020				
Opening Balance	286,217	236,196	15,408	537,821
Domestic production	305,538	53,939	938	360,415
Imports	16,687	38,618	5,961	61,266
Total Availability	608,442	328,753	22,307	959,502
Offtake	360,987	164,925	4,811	530,723
Export	-	-	-	-
Adjustments (+)	22,553	19,581	-	42,134
Adjustments (-)	26,446	19,581	-	46,027
National Inventory	243,561	163,829	17,496	424,886
SEPTEMBER 2020				
Opening Balance	243,561	163,829	17,496	424,886
Domestic production	307,646	53,759	2,555	363,959
Imports	36,924	82,659	5,136	124,719
Total Availability	588,132	300,246	25,187	913,564
Offtake	246,125	123,114	12,593	381,831
Export	-	-	-	-
Adjustments (+)	26,772	7,316	-	34,088
Adjustments (-)	32,256	5,932	16	38,204
National Inventory	336,523	178,516	12,578	527,617

Continued....

MONTH-WISE NUTRIENT SUPPLY / DEMAND SITUATION FROM APRIL 2020 TO JUNE 2021

	(Tonnes)			
DESCRIPTION	NITROGEN	PHOSPHATE	POTASH	TOTAL
OCTOBER 2020				
Opening Balance	336,523	178,516	12,578	527,617
Domestic production	326,126	58,839	2,260	387,225
Imports	18,195	46,220	3,140	67,556
Total Availability	680,844	283,575	17,978	982,397
Offtake	255,555	123,474	8,146	387,175
Export	-	-	-	-
Adjustments (+)	28,219	1,386	840	30,445
Adjustments (-)	21,764	1,159	6	22,929
National Inventory	431,744	160,328	10,666	602,738
NOVEMBER 2020				
Opening Balance	431,744	160,328	10,666	602,738
Domestic production	290,153	58,176	795	349,124
Imports	31,612	70,728	1,094	103,435
Total Availability	753,510	289,232	12,555	1,055,297
Offtake	343,930	186,716	4,878	535,524
Export	-	-	-	-
Adjustments (+)	25,505	1,373	61	26,939
Adjustments (-)	18,813	1,043	-	19,856
National Inventory	416,272	102,846	7,738	526,856
DECEMBER 2020				
Opening Balance	416,272	102,846	7,738	526,856
Domestic production	281,312	55,020	623	336,955
Imports	23,197	59,347	2,331	84,875
Total Availability	720,781	217,213	10,691	948,685
Export				
Offtake	481,659	112,071	3,822	597,552
Export	-	-	-	-
Adjustments (+)	12,995	6,168	86	19,249
Adjustments (-)	2,357	3,086	-	5,444
National Inventory	249,760	108,223	6,955	364,938

Continued....

MONTH-WISE NUTRIENT SUPPLY / DEMAND SITUATION FROM APRIL 2020 TO JUNE 2021

	(Tonnes)			
DESCRIPTION	NITROGEN	PHOSPHATE	POTASH	TOTAL
JANUARY 2021				
Opening Balance	249,760	108,223	6,955	364,938
Domestic production	249,813	29,293	1,742	280,848
Imports	12,373	28,132	2,119	42,624
Total Availability	511,946	165,648	10,816	688,410
Offtake	367,012	62,583	5,267	434,861
Export	-	-	-	-
Adjustments (+)	111,958	52,184	693	164,835
Adjustments (-)	117,601	51,165	17	168,783
National Inventory	139,291	104,085	6,226	249,602
FEBRUARY 2021				
Opening Balance	139,291	104,085	6,226	249,602
Domestic production	241,461	36,223	1,509	279,192
Imports	153	391	1,237	1,781
Total Availability	380,905	140,699	8,971	530,575
Offtake	242,797	60,990	5,906	309,693
Export	-	-	-	-
Adjustments (+)	16,893	7,604	638	25,134
Adjustments (-)	17,682	8,570	53	26,305
National Inventory	137,319	78,743	3,649	219,711
MARCH 2021				
Opening Balance	137,319	78,743	3,649	219,711
Domestic production	278,486	49,262	3,070	330,818
Imports	15,630	42,318	3,661	61,609
Total Availability	431,435	170,323	10,380	612,138
Offtake	206,724	79,298	6,855	292,877
Export	-	-	-	-
Adjustments (+)	17,356	4,633	1,410	23,400
Adjustments (-)	17,923	5,015	1	22,939
National Inventory	224,144	90,643	4,935	319,721

Continued....

MONTH-WISE NUTRIENT SUPPLY / DEMAND SITUATION FROM APRIL 2020 TO JUNE 2021

	(Tonnes)			
DESCRIPTION	NITROGEN	PHOSPHATE	POTASH	TOTAL
APRIL 2021				
Opening Balance	224,144	90,643	4,935	319,721
Domestic production	302,854	51,566	2,207	356,627
Imports	15,080	24,297	8,219	47,596
Total Availability	542,078	166,506	15,361	723,945
Offtake	192,760	42,154	4,797	239,711
Export	-	-	-	-
Adjustments (+)	20,684	432	5	21,120
Adjustments (-)	25,173	5,741	1	30,915
National Inventory	344,829	119,043	10,567	474,439
MAY 2021				
Opening Balance	344,829	119,043	10,567	474,439
Domestic production	323,086	52,150	1,917	377,153
Imports	18,830	43,106	6,441	68,377
Total Availability	686,745	214,299	18,925	919,969
Offtake	292,992	90,088	3,363	386,443
Export	-	-	-	-
Adjustments (+)	23,089	420	73	23,582
Adjustments (-)	32,279	1,036	2	33,317
National Inventory	384,563	123,595	15,633	523,792
JUNE 2021				
Opening Balance	384,563	123,595	15,633	523,792
Domestic production	285,160	53,014	1,434	339,608
Imports	38,782	99,159	4,913	142,854
Total Availability	708,505	275,768	21,981	1,006,254
Offtake	364,996	42,223	4,195	411,414
Export	-	-	-	-
Adjustments (+)	18,707	239	110	19,056
Adjustments (-)	19,921	267	14	20,202
National Inventory	342,295	233,518	17,881	593,694

NUTRIENT WISE SUPPLY DEMAND SITUATION DURING FISCAL YEAR 2020-21

(Tonnes)				
DESCRIPTION	NITROGEN	PHOSPHATE	POTASH	TOTAL
Opening Balance	333,596	263,577	12,407	609,580
Domestic Production	3,466,054	604,527	21,305	4,091,886
Imports	247,554	586,065	50,024	883,643
Total Availability	4,047,204	1,454,169	83,736	5,585,109
Offtake	3,710,748	1,228,071	69,275	5,008,094
Export	-	-	-	0
Adjustments(+/-)	5,839	7,420	3,420	16,679
Closing Balnce	342,295	233,518	17,881	593,694

TOTAL PRODUCT-WISE SUPPLY/DEMAND SITUATION DURING APRIL, 2020 TO JUNE 2021

(Tonnes)

Product	UREA	CAN	NP	SSP	DAP	TSP	SOP	NPK's	MOP	MAP	AS	TOTAL
APRIL 2020												
Opening Balance	590,661	52,841	92,341	7,614	499,846	2	17,629	13,795	9,395	20,609	15,489	1,320,222
Domestic Production	504,845	65,481	76,620	5,715	41,356	-	854	5,327	-	-	-	700,198
Import	-	-	-	-	26,073	-	2,004	-	275	-	15,851	44,203
Total Availability	1,095,506	118,322	168,961	13,329	567,275	2	20,487	19,122	9,670	20,609	31,340	2,064,623
Offtake	242,348	59,750	80,329	4,876	150,721	-	3,451	5,901	1,353	3,348	6,275	558,352
Export	-	-	-	-	-	-	-	-	-	-	-	0
Adjustment (+)	5,026	-	-	-	33,116	-	-	-	-	-	-	38,142
Adjustment (-)	-	-	-	-	32,515	-	41	72	-	-	-	32,628
Closing Balance	858,184	58,572	88,632	8,453	417,155	2	16,995	13,149	8,317	17,261	25,065	1,511,785
MAY 2020												
Opening balance	858,184	58,572	88,632	8,453	417,155	2	16,995	13,149	8,317	17,261	25,065	1,511,785
Domestic Production	508,982	66,048	85,699	4,073	74,691	-	859	4,262	-	-	-	744,614
Import	-	-	-	-	70,854	-	550	-	1,540	50	20,000	92,994
Total Availability	1,367,166	124,620	174,331	12,526	562,700	2	18,404	17,411	9,857	17,311	45,065	2,349,393
Offtake	239,634	20,171	31,134	3,661	60,857	-	3,054	2,511	1,110	1,097	3,337	366,566
Export	-	-	-	-	-	-	-	-	-	-	-	0
Adjustment (+)	3	-	-	-	7,763	-	1	3	2	-	-	7,772
Adjustment (-)	12,922	-	2	-	7,762	-	-	-	-	-	2	20,688
Closing balance	1,114,613	104,449	143,195	8,865	501,844	2	15,351	14,903	8,749	16,214	41,726	1,969,911
JUNE 2020												
Opening Balance	1,114,613	104,449	143,195	8,865	501,844	2	15,351	14,903	8,749	16,214	41,726	1,969,911
Domestic Production	468,822	54,861	77,118	7,960	72,697	-	862	3,660	-	-	-	685,980
Import	-	-	-	-	74,561	-	774	-	770	9,900	-	86,005
Total Availability	1,583,435	159,310	220,313	16,825	649,102	2	16,987	18,563	9,519	26,114	41,726	2,741,896
Offtake	1,164,925	67,535	56,147	10,072	175,949	-	4,147	5,563	2,682	1,582	14,645	1,503,247
Export	-	-	-	-	-	-	-	-	-	-	-	-
Adjustment (+)	-	-	-	-	17,622	-	31	-	120	-	-	17,773
Adjustment (-)	5,827	-	-	-	16,875	-	1	1	-	-	-	22,704
Closing Balance	412,683	91,775	164,166	6,753	473,900	2	12,870	12,999	6,957	24,532	27,081	1,233,718

Continued....

TOTAL PRODUCT-WISE SUPPLY/DEMAND SITUATION DURING APRIL, 2020 TO JUNE 2021

Description	(Tonnes)											
	UREA	CAN	NP	SSP	DAP	TSP	SOP	NPK's	MOP	MAP	AS	TOTAL
JULY, 2020												
Opening Balance	412,683	91,775	164,166	6,753	473,900	2	12,870	12,999	6,957	24,532	27,081	1,233,718
Domestic production	495,503	61,702	68,978	7,167	74,982	0	828	9,484	0	0	0	718,644
Imports	0	0	0	0	111,008	0	4,069	0	6,231	52	500	121,860
Total Availability	908,186	153,477	233,144	13,920	659,890	2	17,767	22,483	13,188	24,584	27,581	2,074,222
Offtake	574,885	86,164	88,120	10,370	250,972	0	4,181	5,457	2,528	3,483	9,222	1,035,382
Export	0	0	0	0	0	0	0	0	0	0	0	0
Adjustments (+)	1,372	5	2,903	0	33,503	0	1,459	1	4	0	2	39,249
Adjustments (-)	223	0	2	475	33,503	2	1	720	2,719	842	3,199	41,686
National Inventory	334,450	67,318	147,925	3,075	408,918	0	15,044	16,307	7,945	20,259	15,162	1,036,403
AUGUST 2020												
Opening Balance	334,450	67,318	147,925	3,075	408,918	0	15,044	16,307	7,945	20,259	15,162	1,036,403
Domestic production	555,530	67,815	82,194	3,963	73,225	-	879	2,772	-	-	-	786,378
Imports	-	-	-	-	83,953	-	2,058	-	8,220	-	7,500	101,731
Total Availability	889,980	135,133	230,119	7,038	566,096	0	17,981	19,079	16,165	20,259	22,662	1,924,512
Offtake	573,290	88,739	74,150	3,560	295,012	-	3,583	6,596	2,960	19,680	5,542	1,073,111
Export	-	-	-	-	-	-	-	-	-	-	-	0
Adjustment (+)	32,372	-	-	-	42,567	-	-	-	-	-	-	74,939
Adjustment (-)	40,748	-	-	-	42,567	-	-	-	-	0	191	83,506
National Inventory	308,314	46,394	155,969	3,478	271,084	0	14,398	12,483	13,206	579	16,929	842,834
SEPTEMBER, 2020												
Opening Balance	308,314	46,394	155,969	3,478	271,084	0	14,398	12,483	13,206	579	16,929	842,834
Domestic production	570,455	57,041	70,459	9,936	72,300	-	895	11,510	-	-	-	792,596
Imports	-	-	-	-	179,637	-	4,040	-	5,193	52	21,829	210,751
Total Availability	878,769	103,435	226,428	13,414	523,021	0	19,333	23,993	18,399	631	38,758	1,846,181
Offtake	392,815	31,491	53,721	6,917	228,479	-	9,666	18,871	7,108	893	7,984	757,946
Export	-	-	-	-	-	-	-	-	-	-	-	0
Adjustments (+)	52,067	-	-	-	15,397	-	-	-	-	449	-	67,913
Adjustments (-)	64,985	-	234	63	12,737	-	90	-	-	-	-	78,109
National Inventory	473,036	71,944	172,473	6,434	297,202	0	9,577	5,122	11,291	186	30,774	1,078,039

Continued....

TOTAL PRODUCT-WISE SUPPLY/DEMAND SITUATION DURING APRIL, 2020 TO JUNE 2021

(Tonnes)

Description	UREA	CAN	NP	SSP	DAP	TSP	SOP	NPK's	MOP	MAP	AS	TOTAL
OCTOBER, 2020												
Opening Balance	473,036	71,944	172,473	6,434	297,202	0	9,577	5,122	11,291	186	30,774	1,078,039
Domestic production	597,583	66,950	82,835	13,564	76,447	-	894	9,928	-	-	-	848,201
Imports	-	-	-	-	100,479	-	2,016	-	3,553	-	520	106,568
Total Availability	1,070,619	138,894	255,308	19,998	474,128	0	12,487	15,050	14,844	186	31,294	2,032,808
Offtake	413,135	33,477	58,346	12,870	229,374	-	5,716	10,315	5,633	113	4,797	773,775
Export	-	-	-	-	-	-	-	-	-	-	-	-
Adjustments (+)	60,258	-	-	-	2,506	-	-	-	1,400	449	-	64,613
Adjustments (-)	46,326	-	-	-	2,520	-	14	-	2	-	-	48,862
National Inventory	671,417	105,418	196,962	7,128	244,740	0	6,757	4,735	10,609	523	26,497	1,274,785
NOVEMBER 2020												
Opening Balance	671,417	105,418	196,962	7,128	244,740	0	6,757	4,735	10,609	523	26,497	1,274,785
Domestic production	515,200	71,380	89,184	9,500	77,136	-	851	2,050	-	-	-	765,301
Imports	-	-	-	-	153,700	-	432	-	1,464	52	18,765	174,413
Total Availability	1,186,617	176,798	286,146	16,628	475,576	0	8,040	6,785	12,073	575	45,262	2,214,499
Offtake	533,084	47,422	86,672	10,384	356,800	-	4,563	3,694	3,180	58	8,685	1,054,541
Export	-	-	-	-	-	-	-	-	-	-	-	-
Adjustments (+)	54,279	-	-	-	2,984	-	122	-	-	-	-	57,385
Adjustments (-)	40,009	-	-	-	2,268	-	2	-	-	-	-	42,279
National Inventory	667,803	129,376	199,474	6,244	119,491	0	3,597	3,091	8,894	517	36,577	1,175,063
DECEMBER, 2020												
Opening Balance	667,803	129,376	199,474	6,244	119,491	0	3,597	3,091	8,894	517	36,577	1,175,063
Domestic production	498,949	71,373	87,123	7,084	72,751	-	867	1,050	-	-	-	739,197
Imports	-	-	-	-	128,717	-	2,021	-	2,200	275	-	133,213
Total Availability	1,166,752	200,749	286,597	13,328	320,959	0	6,485	4,141	11,094	792	36,577	2,047,473
Offtake	880,624	75,154	71,408	1,869	205,783	-	3,997	2,978	2,123	43	15,477	1,259,456
Export	-	-	-	-	-	-	-	-	-	-	-	-
Adjustments (+)	15,737	6,969	13,416	-	6,699	-	168	-	4	2	4	42,998
Adjustments (-)	2,495	-	-	-	6,709	-	1	1	1	-	9	9,216
National Inventory	299,370	132,564	228,605	11,459	115,166	0	2,655	1,162	8,974	751	21,095	821,800

Continued....

TOTAL PRODUCT-WISE SUPPLY/DEMAND SITUATION DURING APRIL, 2020 TO JUNE 2021

Description	(Tonnes)											
	UREA	CAN	NP	SSP	DAP	TSP	SOP	NPK's	MOP	MAP	AS	TOTAL
JANUARY, 2021												
Opening Balance	299,370	132,564	228,605	11,459	115,166	-	2,655	1,162	8,974	751	21,095	821,800
Domestic production	455,230	67,356	82,936	8,241	16,850	-	862	6,555	-	-	-	638,030
Imports	-	-	-	-	61,156	-	1,907	-	1,942	-	6,500	71,505
Total Availability	754,600	199,920	311,541	19,700	193,173	-	5,424	7,717	10,916	751	27,595	1,531,335
Offtake	648,539	108,875	93,774	7,876	83,521	-	3,983	6,483	3,383	1	14,512	970,947
Export	-	-	-	-	-	-	-	-	-	-	-	-
Adjustments (+)	50,767	146,481	214,726	-	4,156	-	-	3,851	-	-	-	419,981
Adjustments (-)	57,867	157,589	214,112	-	4,156	-	87	-	1	-	-	433,812
National Inventory	98,961	79,937	218,381	11,824	109,652	-	1,354	5,085	7,532	750	13,082	546,557
FEBRUARY 2021												
Opening Balance	98,961	79,937	218,381	11,824	109,652	0	1,354	5,085	7,532	750	13,082	546,557
Domestic production	436,003	69,185	66,965	11,547	38,271	-	856	5,747	-	-	-	628,574
Imports	-	-	-	-	850	-	1,264	-	1,008	-	-	3,122
Total Availability	534,964	149,122	285,346	23,371	148,773	0	3,474	10,832	8,540	750	13,082	1,178,253
Offtake	406,203	82,108	70,784	9,161	89,140	-	2,725	11,064	4,022	130	4,811	680,148
Export	-	-	-	-	-	-	-	-	-	-	-	0
Adjustments (+)	5,879	30,046	23,257	-	4,130	-	329	2,365	-	-	1	66,007
Adjustments (-)	6,954	30,046	23,258	-	7,001	-	-	-	89	-	297	67,645
National Inventory	127,686	67,014	214,562	14,210	56,761	-	1,078	2,133	4,429	620	7,975	496,468
MARCH 2021												
Opening Balance	127,686	67,014	214,562	14,210	56,761	-	1,078	2,133	4,429	620	7,975	496,468
Domestic production	514,160	56,501	60,452	12,272	66,103	-	981	13,747	-	-	-	724,216
Imports	-	-	-	-	81,433	-	3,737	-	2,987	9,717	-	97,874
Total Availability	641,846	123,515	275,014	26,482	204,298	0	5,796	15,880	7,416	10,337	7,975	1,318,558
Offtake	343,046	55,553	12,098	4,792	143,760	-	4,091	16,480	3,164	7,897	5,014	595,895
Export	-	-	-	-	-	-	-	-	-	-	-	-
Adjustments (+)	22,528	12,657	13,152	1	1,520	-	1,301	5,050	4	-	-	56,213
Adjustments (-)	23,582	12,657	13,014	-	4,395	-	2	-	-	-	-	53,650
National Inventory	297,746	67,962	263,054	21,691	57,662	0	3,004	4,450	4,256	2,440	2,961	725,226

Continued....

TOTAL PRODUCT-WISE SUPPLY/DEMAND SITUATION DURING APRIL, 2020 TO JUNE 2021

(Tonnes)

Product	UREA	CAN	NP	SSP	DAP	TSP	SOP	NPK's	MOP	MAP	AS	TOTAL
APRIL 2021												
Opening Balance	297,746	67,962	263,054	21,691	57,662	0	3,004	4,450	4,256	2,440	2,961	725,226
Domestic Production	552,308	67,387	78,458	7,044	70,846	-	963	10,334	-	-	-	787,340
Import	-	-	-	-	52,820	-	7,364	-	7,562	-	26,535	94,281
Total Availability	850,054	135,349	341,512	28,735	181,329	0	11,331	14,784	11,818	2,440	29,496	1,606,847
Offtake	309,245	70,052	97,392	2,951	46,169	-	5,183	2,281	3,063	953	10,254	547,541
Export	-	-	-	-	-	-	-	-	-	-	-	0
Adjustment (+)	44,425	-	547	-	697	-	15	4	1	-	900	46,589
Adjustment (-)	54,452	1	-	-	695	-	-	-	1	-	-	55,149
Closing Balance	530,782	65,295	244,667	25,784	135,162	-	6,163	12,507	8,755	1,487	20,143	1,050,746
MAY 2021												
Opening balance	530,782	65,295	244,667	25,784	135,162	0	6,163	12,507	8,755	1,487	20,143	1,050,746
Domestic Production	598,228	66,656	73,574	6,651	75,291	-	917	7,829	-	-	-	829,146
Import	-	-	-	-	93,422	-	3,634	-	7,706	264	9,466	114,492
Total Availability	1,129,010	131,951	318,241	32,435	303,875	0	10,714	20,336	16,461	1,751	29,609	1,994,384
Offtake	501,488	80,062	38,484	8,785	173,233	-	3,316	3,683	1,699	708	6,542	818,000
Export	-	-	-	-	-	-	-	-	-	-	-	0
Adjustment (+)	49,828	-	-	1	764	-	-	382	26	-	-	51,001
Adjustment (-)	65,140	5,900	2,501	-	629	-	3	-	1	472	1,714	76,360
Closing balance	612,211	45,989	277,256	23,651	130,777	0	7,395	17,035	14,787	571	21,353	1,151,025
JUNE 2021												
Opening Balance	612,211	45,989	277,256	23,651	130,777	-	7,395	17,035	14,787	571	21,353	1,151,025
Domestic Production	512,241	69,571	78,183	8,724	75,244	-	811	6,194	-	-	-	750,968
Import	-	-	-	-	215,349	-	3,173	-	5,545	196	-	224,263
Total Availability	1,124,452	115,560	355,439	32,375	421,370	-	11,379	23,229	20,332	767	21,353	2,126,255
Offtake	690,238	92,484	41,525	9,581	68,180	-	4,305	3,684	2,254	182	7,696	920,128
Export	-	-	-	-	-	-	-	-	-	-	-	-
Adjustment (+)	40,464	1	-	-	520	-	404	-	1	-	-	41,390
Adjustment (-)	43,075	-	1	50	516	-	-	1	1	264	-	43,908
Closing Balance	431,603	23,077	313,913	22,744	353,194	-	7,479	19,544	18,078	321	13,656	1,203,609

PRODUCT WISE SUPPLY DEMAND SITUATION DURING FISCAL YEAR 2020-21

(Tonnes)

Description	UREA	CAN	NP	SSP	DAP	TSP	SOP	NPK's	MOP	MAP	AS	TOTAL
Opening Balance	412,683	91,775	164,166	6,753	473,900	2	12,870	12,999	6,957	24,532	27,081	1,233,718
Domestic Production	6,301,390	792,917	921,341	105,693	789,446	0	10,604	87,200	0	0	0	9,008,591
Imports	-	-	-	-	1,262,524	-	35,715	-	53,611	10,608	91,615	1,454,073
Total Availability	6,714,073	884,692	1,085,507	112,446	2,525,870	2	59,189	100,199	60,568	35,140	118,696	11,696,381
Offtake	6,266,590	851,581	786,474	89,116	2,170,423	0	55,308	91,586	41,114	34,140	100,536	10,486,869
Exports	-	-	-	-	-	-	-	-	-	-	-	-
Adjustments(+/-)	-15,880	-10,034	14,879	-586	-2,253	-2	3,598	10,931	-1,375	-678	-4,503	-5,904
Closing Balance	431,603	23,077	313,913	22,744	353,194	0	7,479	19,544	18,078	321	13,656	1,203,609

**DISTRICT -WISE, NUTRIENT WISE FERTILIZER OFFTAKE AND USE PER HECTARE
DURING 2020-21**

(Tonnes)

District	Nitrogen	Phosphate	Potash	Nutrients Total	Cropped Area (000 ha)	Nutrient Use Rate (Kg/ha)
PUNJAB						
Attock	14,542	2,564	148	17,254	216	80
Bahawalpur	137,659	43,090	1,304	182,053	726	251
Bhakkar	28,673	9,146	676	38,496	816	47
Bahawal Nagar	117,591	31,961	965	150,517	800	188
Chakwal	987	710	-	1,697	263	6
Chiniot	49,658	12,839	1,662	64,159	300	214
Dera Ghazi Khan	87,753	20,624	325	108,703	386	281
Faisalabad	88,157	24,713	1,340	114,211	667	171
Gujranwala	113,355	26,071	1,144	140,570	520	270
Gujrat	14,169	2,777	283	17,229	294	59
Hafizabad	51,928	12,176	511	64,615	356	181
Islamabad	-	-	-	-	23	0
Jhang	72,560	23,653	1,216	97,429	631	154
Jhelum	813	212	26	1,051	106	10
Kasur	78,169	21,871	618	100,658	505	199
Khanewal	96,073	33,923	1,539	131,535	524	251
Khushab	5,394	1,466	125	6,985	457	15
Lahore	43,484	9,862	439	53,784	163	329
Layyah	57,837	12,089	566	70,492	558	126
Lodran	84,972	28,950	743	114,665	439	261
Mandi Bahauddin	46,246	13,160	878	60,284	326	185
Muzaffar Garh	107,007	29,021	870	136,899	666	205
Mianwali	16,342	4,148	200	20,690	326	63
Multan	174,670	51,683	1,940	228,293	494	462
Nankana	37,475	8,213	235	45,923	313	147
Narowal	67,276	13,268	176	80,720	265	305
Okara	131,377	33,189	2,711	167,278	629	266
Pakpattan	73,306	23,499	1,458	98,263	407	241
Rahim Yar Khan	194,049	57,189	2,641	253,879	820	310
Rajanpur	58,830	17,201	216	76,248	446	171
Rawalpindi	19,528	3,291	46	22,865	219	105
Sahiwal	81,141	26,433	823	108,398	433	250
Sargodha	52,562	14,900	1,675	69,138	671	103
Sheikhupura	75,930	19,647	600	96,177	531	181
Sialkot	27,067	5,649	426	33,142	372	89
Toba Tek Singh	66,703	20,783	1,389	88,875	411	216
Vehari	146,377	45,746	2,520	194,643	584	334
New distributors	80,582	176,301	20,413	277,296	-	-
PUNJAB	2,600,244	882,020	52,849	3,535,113	17,600	200.9

1-Multan is a 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 Punjab Development Statistics, 2019.

Continued....

**DISTRICT -WISE, NUTRIENT WISE FERTILIZER OFFTAKE AND USE PER HECTARE
DURING 2020-21**

(Tonnes)						
District	Nitrogen	Phosphate	Potash	Nutrients Total	Cropped Area (000 ha)	Nutrient Use Rate (Kg/ha)
SINDH						
Badin	39,455	10,330	487	50,272	314	160
Dadu	47,983	7,739	2,404	58,127	153	380
Ghotki	70,682	25,270	523	96,475	269	359
Hyderabad	31,568	12,456	491	44,514	43	1035
Jacobabad	11,180	4,013	143	15,336	160	96
Jamshoro	6,792	520	20	7,332	71	103
Karachi	28,033	11,672	194	39,898	4	9975
Kashmore	26,013	7,922	88	34,024	151	225
Khairpur	27,802	8,089	235	36,126	273	132
Larkana	25,237	5,248	53	30,537	183	167
Malir	-	-	-	-	-	0
Mirpurkhas	74,807	20,066	1,116	95,989	175	549
Matiari	18,686	7,817	626	27,129	123	221
Noshero Feroz	95,137	36,035	942	132,114	192	688
Shaheed Benazir Abad	58,145	12,742	804	71,691	211	340
Sanghar	84,102	19,362	1,019	104,483	286	365
Qamber Shahdad Kot	21,504	6,569	161	28,234	145	195
Shikarpur	10,432	3,918	33	14,383	163	88
Sujawal	4,959	1,482	-	6,441	-	-
Sukkur	28,888	10,949	216	40,054	106	378
Tando Allah Yar	17,497	4,043	1,029	22,569	98	230
Tharparkar	4,838	774	-	5,612	155	36
Thatta	16,909	6,957	265	24,131	205	118
Tando muhammad khan	14,558	2,762	41	17,361	73	238
Umerkot	15,309	1,835	22	17,165	91	189
New distributors	16,426	31,624	-	48,050	-	-
SINDH	796,943	260,194	10,909	1,068,046	3650	293

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, 2019

Continued....

**DISTRICT -WISE, NUTRIENT WISE FERTILIZER OFFTAKE AND USE PER HECTARE
DURING 2020-21**

(Tonnes)

District	Nitrogen	Phosphate	Potash	Nutrients Total	Cropped Area (000 ha)	Nutrient Use Rate (Kg/ha)
KP						
Abbotabad	1,059	325	12	1,396	59	24
Bajaur agency	1,240	379	27	1,646	70	24
Bannu	1,981	806	10	2,797	50	56
Battagram	193	0	-	194	29	7
Buner	6,320	2,636	410	9,365	104	90
Charsadha	5,121	1,148	103	6,371	94	68
Chitral	-	-	-	-	27	0
Dera Ismail Khan	18,309	5,305	241	23,854	155	154
Dir upper	3,253	644	7	3,904	53	74
Dir lower	2,180	535	43	2,758	71	39
Hangu	-	-	-	-	34	0
Haripur	636	328	15	979	84	12
Karak	-	-	-	-	29	0
Khyber agency	2,068	1,034	47	3,150	22	144
Kohat	824	138	-	962	32	30
Kohistan	-	-	-	-	29	0
Kurram agency	352	180	-	532	16	33
Lakki Marwat	1,634	810	8	2,452	41	60
Malakand	1,565	811	48	2,424	50	49
Mansehra	7,947	1,363	144	9,453	100	95
Mardan	20,247	4,008	344	24,599	110	223
Mohmand agency	96	57	-	152	26	6
North Waziristan agency	-	-	-	-	18	0
Nowshera	2,692	661	11	3,365	50	68
Orakzai agency	-	-	-	-	12	0
Peshawar	38,653	4,835	100	43,589	84	518
South Waziristan agency	-	-	-	-	24	0
Shangla	9,455	3,020	160	12,635	81	156
Swabi	10,011	859	231	11,101	88	126
Swat	31,246	7,350	462	39,059	172	227
Tank	23	7	-	30	19	1
New distributors	6167	10543	1189	17,899	-	-
KP	173,273	47,783	3,609	224,666	1830	122.8

1) Cropped area is taken from Development Statistics of Khyber Pakhtunkhwa, 2021.

Continued....

**DISTRICT -WISE, NUTRIENT WISE FERTILIZER OFFTAKE AND USE PER HECTARE
DURING 2020-21**

(Tonnes)

District	Nitrogen	Phosphate	Potash	Nutrients Total	Cropped Area (000 ha)	Nutrient Use Rate (Kg/ha)
BALOCHISTAN						
Awaran	15,731	4,204	-	19,934	27	745
Barkhan	1,087	109	6	1,202	17	71
Kachhi (Bolan)	364	101	-	465	22	21
Chaghi	1,201	213	0	1,414	9	154
Dera Bugti	7	-	-	7	25	0
Gwadar	-	-	-	-	2	-
Harnai	820	147	3	970	8	126
Jafarabad	21,243	6,190	93	27,526	201	137
Jhal Magsi	15,514	2,203	52	17,769	65	271
Kalat	821	534	88	1,444	16	93
Kech (Turbat)	3,488	60	-	3,548	37	95
Kharan	9,577	461	15	10,053	21	483
Khuzdar	12,755	1,296	115	14,166	71	200
Kohlu	-	-	-	-	2	-
Lasbela	19,325	4,956	391	24,672	41	601
Loralai	156	6	-	162	28	6
Mastung	-	-	-	-	13	-
Musakhel	-	-	-	-	6	-
Nasirabad	5,943	2,957	5	8,906	191	47
Nushki	180	3	-	183	15	12
Panjgur	-	-	-	-	26	-
Pishin	4,928	1,834	414	7,176	24	303
Qila Saifullah	1,998	364	100	2,462	69	36
Qila Abdullah	-	-	1	1	11	0
Quetta	8,674	3,784	86	12,545	9	1,457
Shirani	-	-	-	-	2	-
Sibi	8,989	1,592	16	10,596	23	470
Sohbatpur	254	16	3	273	0	-
Washuk	1,926	574	18	2,518	12	214
Zhob	2,389	311	-	2,701	16	166
Ziarat	-	-	-	-	5	-
New Distributer	2,916	6,156	506	9,578	-	-
Balochistan	140,287	38,073	1,908	180,268	1,080	166.9
Pakistan	3,710,746	1,228,071	69,275	5,008,092	24,160	207.3

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, 2018-19

DISTRICT-WISE PRODUCT-WISE FERTILIZER OFFTAKE DURING 2020-21

DISTRICTS	(Tonnes)												
	UREA	CAN	NP	DAP	MAP	TSP	SSP	SOP	MOP	AS	NPKs	ZINC	TOTAL
PUNJAB													
Attock	14,417	24,174	4,424	3,155	-	-	178	45	103	66	336	-	46,898
Bahawalpur	228,987	43,808	27,934	77,293	1,307	-	-	1,050	671	1705	2,040	23	384,817
Bhakkar	45,131	13,120	6,468	15,559	-	-	-	260	255	58	2,183	-	83,034
Bahawal Nagar	193,430	46,598	27,430	54,184	812	-	-	810	513	1472	1,385	8	326,641
Chakwal	1,282	155	568	1,259	-	-	-	-	-	0	-	-	3,264
Chiniot	88,514	9,261	9,002	21,416	386	-	313	987	1,071	1739	2,909	31	135,629
Dera Ghazi Khan	160,673	16,497	11,088	38,030	881	-	-	266	137	203	590	11	228,376
Faisalabad	157,985	12,325	18,067	42,481	943	-	840	1,027	822	1214	1,803	14	237,519
Gujranwala	210,553	15,259	17,375	44,865	715	-	4,160	657	941	1601	1,390	16	297,531
Gujrat	27,356	1,309	1,244	5,080	152	-	90	55	348	108	257	4	36,003
Hafizabad	99,592	3,523	4,220	22,046	663	-	3,100	399	310	826	700	18	135,397
Islamabad	-	-	-	-	-	-	-	-	-	0	-	-	-
Jhang	124,365	12,513	19,222	39,743	1,205	-	390	743	1,047	1772	1,176	-	202,177
Jhelum	1,577	-	10	433	-	-	-	19	13	14	47	-	2,113
Kasur	137,004	16,894	15,609	39,064	412	-	-	554	442	403	422	-	210,804
Khanewal	158,446	23,407	26,868	58,262	700	-	1,240	1,359	879	1258	1,773	1	274,193
Khushab	10,446	10	125	2,964	35	-	-	74	58	155	285	-	14,151
Lahore	82,523	3,541	4,892	18,216	340	-	-	85	411	485	821	9	111,322
Layyah	93,207	33,922	10,362	19,771	587	-	-	338	204	194	1,479	8	160,072
Lodran	142,170	19,105	24,175	48,406	678	-	2,884	611	399	982	1,099	11	240,521
Mandi Bahauddin	85,877	2,128	11,051	18,564	289	-	8,653	393	548	711	1,877	17	130,107
Muzaffar Garh	172,931	51,753	18,570	52,455	697	-	-	847	321	820	1,341	5	299,741
Mianwali	29,700	2,413	2,998	7,407	7	-	-	115	158	0	266	-	43,063
Multan	228,094	147,510	77,087	67,635	880	-	9,476	1,430	835	1764	3,762	4	538,476
Nankana	70,165	5,445	3,948	15,087	529	-	180	178	165	446	261	3	96,406
Narowal	134,143	2,635	4,197	21,348	314	-	12,509	38	174	89	297	2	175,744
Okara	238,757	22,070	20,606	56,478	2,048	-	3,158	1,179	2,432	2194	3,669	31	352,622
Pakpattan	128,151	9,837	18,382	39,059	1,143	-	240	985	741	984	2,896	48	202,466
Rahim Yar Khan	345,784	30,201	32,144	103,475	2,591	-	-	1,937	1,320	2239	4,601	25	524,317
Rajanpur	103,354	11,198	11,951	30,216	519	-	1,250	98	196	632	272	5	159,690
Rawalpindi	28,717	17,403	3,661	5,239	-	-	140	-	52	0	76	-	55,288
Sahiwal	141,140	14,317	15,488	48,377	963	-	-	959	416	424	520	4	222,608
Sargodha	86,941	11,866	24,893	17,619	547	-	1,320	1,242	590	1174	3,526	9	149,727
Sheikhupura	141,238	6,749	10,014	36,865	489	-	-	469	429	1092	596	10	197,950
Sialkot	52,240	1,078	2,904	10,186	99	-	30	167	258	884	1,042	28	68,915
Toba Tek Singh	112,822	15,157	21,816	32,673	533	-	-	1,182	632	1315	2,248	16	188,393
Vehari	256,802	24,671	28,524	80,726	1,594	-	2,360	2,157	1,575	1260	2,731	4	402,404
New distributors	-	-	-	380,098	340	-	28,973	21,607	16,050	54,465	-	-	501,533
Punjab Total	4,334,513	671,852	537,314	1,575,734	23,398	-	81,482	44,317	35,512	84,748	50,676	365	7,439,911

Source: Respective Marketing Agencies.

Note: 1. Consolidated offtake have 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

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DISTRICT-WISE PRODUCT-WISE FERTILIZER OFFTAKE DURING 2020-21

DISTRICTS	UREA	CAN	NP	DAP	MAP	TSP	SSP	SOP	MOP	AS	NPKs	ZINC	(Tonnes)
													TOTAL
SINDH													
Badin	73,039	3,521	5,980	18,344	330	-	-	239	105	414	1645	-	103,616
Dadu	97,102	376	1,412	15,784	83	-	30	1768	62	182	460	126	117,386
Ghotki	123,491	8,356	13,791	46,270	1,262	-	180	589	204	229	576	26	194,975
Hyderabad	33,264	27,147	30,376	11,250	182	-	-	344	130	237	1222	10	104,162
Jacobabad	20,292	766	892	7,624	192	-	635	146	0	170	386	86	31,188
Jamshoro	14,064	255	405	885	-	-	-	8	0	-	88	4	15,709
Karachi	49,462	1,634	2,455	23,149	810	-	-	321	0	78	180	-	78,088
Kashmore	49,799	141	411	16,382	535	-	30	163	0	46	36	53	67,596
Khairpur	51,769	1,895	2,268	16,215	99	-	-	291	32	49	354	-	72,973
Larkana	50,045	242	838	10,721	140	-	120	46	6	64	141	28	62,390
Mirpurkhas	104,970	45,375	47,615	17,293	471	-	-	310	86	1,232	4561	16	221,928
Matiali	29,217	4,089	7,111	12,507	149	-	-	337	64	362	2134	2	55,971
Noshero Feroz	159,313	18,694	23,363	63,678	2,234	-	-	434	145	424	3390	16	271,690
Shaheed Benazir Abad	103,928	19,170	11,794	20,766	245	-	-	697	80	194	1852	10	158,735
Sanghar	145,250	25,303	23,494	29,920	426	-	-	583	152	631	3255	22	229,036
Qambar Shahdad Kot	40,559	374	1,571	12,897	291	-	60	98	18	127	545	148	56,688
Shikarpur	18,919	636	253	8,163	10	-	470	33	2	154	81	7	28,727
Sujawal	9,519	-	-	3,222	-	-	-	-	-	-	-	-	12,741
Sukkur	50,811	2,566	4,315	21,227	341	-	-	329	63	27	75	2	79,756
Tando Allah Yar	33,679	-	1,421	5,944	600	-	-	635	94	491	4196	5	47,065
Tharparkar	9,674	-	612	1,376	-	-	-	0	0	-	0	-	11,662
Thatta	22,786	11,365	6,437	10,507	847	-	-	181	0	115	951	-	53,188
Tando Muhammad Khan	29,221	-	235	5,800	33	-	-	16	18	39	118	-	35,479
Umerkot	28,028	4,115	4,488	1,744	-	-	-	19	20	-	-	-	38,414
New distributors	-	-	179	68,816	45	-	579	12	2,301	5,520	-	-	77,452
SindhTotal	1,348,199	176,018	191,716	450,482	9,325	-	2,104	7,597	3,582	10,785	26,246	561	2,226,614

Source: Respective Marketing Agencies.

Note: 1. Consolidated offtake have 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

Continued....

DISTRICT-WISE PRODUCT-WISE FERTILIZER OFFTAKE DURING 2020-21

DISTRICTS	(Tonnes)												
	UREA	CAN	NP	DAP	MAP	TSP	SSP	SOP	MOP	AS	NPKs	ZINC	TOTAL
	KP												
Abbotabad	2,015	-	30	677	-	-	-	13	-	5	30	-	2,770
Bajaur agency	2,273	-	367	606	-	-	-	29	-	-	68	1	3,344
Bannu	3,568	-	175	1,664	-	-	-	20	-	-	-	-	5,427
Battagram	420	-	-	1	-	-	-	-	-	-	-	-	421
Buner	10,976	-	358	5,142	-	-	-	152	150	704	1,242	-	18,723
Charsadha	9,666	-	2,567	1,637	-	-	-	129	14	33	161	-	14,208
Chitral	-	-	-	-	-	-	-	-	-	-	-	-	-
Dera Ismail Khan	35,164	-	710	11,166	-	-	-	72	334	-	23	-	47,469
Dir lower	4,076	-	-	869	-	-	-	86	-	-	-	-	5,031
Dir upper	6,523	-	-	1,401	-	-	-	13	-	-	-	-	7,937
Hangu	-	-	-	-	-	-	-	-	-	-	-	-	-
Haripur	1,084	-	66	681	-	-	-	7	19	-	-	-	1,856
Karak	-	-	-	-	-	-	-	-	-	-	-	-	-
Khyber agency	3,585	-	103	2,197	-	-	-	94	-	-	-	-	5,979
Kohat	1,615	-	192	205	-	-	-	-	-	-	-	-	2,012
Kohistan	-	-	-	-	-	-	-	-	-	-	-	-	-
Kurram agency	550	-	203	290	-	-	-	-	-	-	-	-	1,043
Lakki Marwat	2,864	-	-	1,761	-	-	-	15	-	-	-	-	4,640
Malakand	2,610	-	335	1,595	-	-	-	55	35	-	-	-	4,629
Mansehra	15,533	-	2,774	1,742	-	-	90	57	31	46	2,527	-	22,800
Mardan	40,466	-	3,119	5,941	-	-	3,965	437	82	187	2,398	-	56,595
Mohmand agency	160	-	-	123	-	-	-	-	-	-	-	-	283
North Waziristan agency	-	-	-	-	-	-	-	-	-	-	-	-	-
Nowshera	5,152	-	454	1,211	-	-	-	10	10	-	-	-	6,837
Orakzai agency	-	-	-	-	-	-	-	-	-	-	-	-	-
Peshawar	79,360	-	1,885	9,501	-	-	150	179	8	2	30	-	91,115
South Waziristan agency	-	-	-	-	-	-	-	-	-	-	-	-	-
Shangla	16,583	-	5,302	4,198	-	-	-	57	30	139	583	-	26,892
Swabi	20,370	-	2,176	780	-	-	-	442	16	-	844	-	24,628
Swat	60,929	-	8,092	10,957	-	-	1,295	149	202	822	1,350	-	83,795
Tank	45	-	-	15	-	-	-	-	-	-	-	-	60
New distributors	-	3,564	-	14,719	-	-	30	253	563	2,104	-	-	21,233
KP Total	325,587	3,564	28,905	79,078	-	-	5,530	2,268	1,493	4,042	9,256	1	459,724

Source: Respective Marketing Agencies.

Note: 1. Consolidated offtake have 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

Continued....

DISTRICT-WISE PRODUCT-WISE FERTILIZER OFFTAKE DURING 2020-21

													(Tonnes)
DISTRICTS	UREA	CAN	NP	DAP	MAP	TSP	SSP	SOP	MOP	AS	NPKs	ZINC	TOTAL
BALUCHISTAN													
Awaran	29,414	-	4,643	5,672	1,013	-	-	-	-	-	-	-	40,742
Barkhan	2,270	-	-	237	-	-	-	3	7	-	-	-	2,517
Kachhi (Bolan)	2,573	-	110	615	-	-	-	39	-	7	1,306	-	4,650
Chaghi	2,430	-	-	463	-	-	-	0	-	-	-	-	2,893
Dera Bugti	15	-	-	-	-	-	-	-	-	-	-	-	15
Gwadar	-	-	-	-	-	-	-	-	-	-	-	-	-
Harnai	1,628	-	100	270	-	-	-	5	-	-	-	-	2,003
Jafarabad	40,866	-	180	12,901	405	-	-	179	-	4	17	-	54,552
Jhal Magsi	31,851	-	-	4,790	-	-	-	103	-	-	-	-	36,744
Kalat	1,085	-	305	885	-	-	-	20	5	-	376	-	2,676
Kech (Turbat)	7,521	-	39	110	-	-	-	-	-	-	-	-	7,670
Kharan	20,426	-	-	1,003	-	-	-	30	-	-	-	-	21,459
Khuzdar	26,044	-	1,246	1,962	-	-	-	7	-	-	582	-	29,840
Kohlu	-	-	-	-	-	-	-	-	-	-	-	-	-
Lasbela	34,435	147	3,187	7,740	-	-	-	10	-	-	715	1	46,235
Loralai	333	-	-	14	-	-	-	-	-	-	-	-	347
Mastung	-	-	-	-	-	-	-	-	-	-	-	-	-
Nasirabad	8,761	-	4,694	4,082	-	-	-	11	-	-	-	-	17,548
Nushki	390	-	-	6	-	-	-	-	-	-	-	-	396
Panjkur	-	-	-	-	-	-	-	-	-	-	-	-	-
Pishin	7,126	-	5,195	830	-	-	-	96	84	75	1,596	2	15,003
Qila Saifullah	3,522	-	848	209	-	-	-	8	8	165	461	-	5,221
Qila Abdullah	-	-	-	-	-	-	-	1	-	-	-	-	1
Quetta	11,806	-	7,652	1,927	-	-	-	21	10	8	355	-	21,778
Sohbatpur	538	-	-	35	-	-	-	5	-	-	-	-	578
Sibi	16,630	-	341	3,290	-	-	-	31	-	-	-	-	20,292
Washuk	3,700	-	-	1,247	-	-	-	35	-	-	-	-	4,982
Zhob	4,929	-	-	677	-	-	-	-	-	-	-	-	5,606
Ziarat	-	-	-	-	-	-	-	-	-	-	-	-	-
New distributors	-	-	-	16,163	-	-	-	521	413	701	-	-	17,798
Balochistan Total	258,292	147	28,539	65,128	1,418	-	-	1,125	527	960	5,408	3	361,546
Pakistan Total	6,266,591	851,580	786,474	2,170,422	34,141	-	89,116	55,307	41,114	100,535	91,586	930	10,487,795

Source: Respective Marketing Agencies.

Note: 1. Consolidated offtake have 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

FERTILIZER PRODUCTION BY PRODUCT AND MANUFACTURER DURING KHARIF (2019 AND 2020)

KHARIF 2019

		(Tonnes)						
PRODUCT	SOURCE	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
UREA	Fatimafert (DHCL)	43,947	43,637	39,241	42,037	41,338	39,161	249,361
UREA	EFERT	144,067	138,689	177,289	181,159	186,323	180,000	1,007,527
UREA	Agritech (PAFL)	32,620	33,898	33,188	34,379	34,079	31,884	200,048
UREA	PAK ARAB	-	-	-	-	-	-	-
UREA (PSFL)	FFC	59,428	73,969	71,192	72,582	72,889	69,909	419,969
UREA (PRILLED)	FFC	143,394	148,899	143,186	142,821	146,535	141,567	866,402
UREA (GRANULAR)	FFBL	54,107	57,101	53,625	53,701	50,773	49,981	319,288
UREA	Fatima Fertilizer	17,228	30,871	39,897	39,198	37,003	37,906	202,103
TOTAL UREA		494,791	527,064	557,618	565,877	568,940	550,408	3,264,698
NP	PAK ARAB	-	-	-	-	-	-	-
NP	EFERT	6,710	9,954	1,114	6,180	4,922	1,899	30,779
NP	Fatima Fertilizer	29,395	37,781	39,751	42,838	43,115	43,009	235,889
NP	TOTAL	36,105	47,735	40,865	49,018	48,037	44,908	266,668
SSP (J. WAL 18%)	AL HAMD	-	-	-	-	-	-	-
SSP (H. PUR 18%)	Agritech	6,235	1,347	-	-	2,755	4,136	14,473
SSP	Suraj Fertilizers	3,512	15	-	55	1,721	2,200	7,503
SSP	Safi Chemicals	-	-	-	-	-	-	-
SSP	TOTAL	9,747	1,362	-	55	4,476	6,336	21,976
CAN	PAK ARAB	-	-	-	-	-	-	-
CAN	Fatima Fertilizer	28,964	38,462	38,361	39,997	40,637	38,804	225,225
CAN	TOTAL	28,964	38,462	38,361	39,997	40,637	38,804	225,225
DAP	FFC	72,753	75,512	71,162	76,595	74,860	72,556	443,438
SOP	Pacific	875	869	667	720	240	-	3,371
NPKs (Various grades)	EFERT	6,560	4,996	7,651	3,862	4,984	12,966	41,019
NPK (2:20:3)	Safi Chemicals	-	-	-	-	-	-	-
	GRAND TOTAL	649,795	696,000	716,324	736,124	742,174	725,978	4,266,395
	NITROGEN	257,012	277,127	289,361	296,195	297,423	288,095	1,705,213
	PHOSPHATE	43,773	45,599	42,251	47,367	47,331	47,714	274,035
	POTASH	1,579	1,324	1,717	1,049	1,000	2,315	8,984
	TOTAL	302,365	324,050	333,329	344,611	345,753	338,123	1,988,231

Continued....

FERTILIZER PRODUCTION BY PRODUCT AND MANUFACTURER DURING KHARIF (2019 AND 2020)

KHARIF 2020

		(Tonnes)						
PRODUCT	SOURCE	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
UREA	Fatimafert (DHCL)	-	-	-	-	32,372	43,097	75,469
UREA	EFERT	188,232	194,632	180,716	187,355	181,050	190,141	1,122,126
UREA	Agritech (PAFL)	-	-	-	-	26,774	30,074	56,848
UREA	PAK ARAB	7,099	-	7,568	341	7,172	7,799	29,979
UREA (PSFL)	FFC	70,996	73,240	70,230	69,912	71,515	69,930	425,823
UREA (PRILLED)	FFC	141,702	140,786	112,791	145,423	144,536	139,670	824,908
UREA (GRANULAR)	FFBL	57,351	57,527	55,039	46,852	48,235	45,387	310,391
UREA	Fatima Fertilizer	39,465	42,797	42,478	45,620	43,876	44,357	258,593
TOTAL UREA		504,845	508,982	468,822	495,503	555,530	570,455	3,104,137
NP	PAK ARAB	33,100	34,705	30,295	25,492	33,555	32,262	189,409
NP	EFERT	-	5,700	7,472	-	4,650	2,335	20,157
NP	Fatima Fertilizer	43,520	45,294	39,351	43,486	43,989	35,862	251,502
NP	TOTAL	76,620	85,699	77,118	68,978	82,194	70,459	461,068
SSP (J. WAL 18%)	AL HAMD	-	-	-	-	-	-	-
SSP (H. PUR 18%)	Agritech	4,937	4,065	7,610	7,167	3,963	6,931	34,673
SSP	Suraj Fertilizers	28	8	-	-	-	2,890	2,926
SSP	Safi Chemicals	750	-	350	-	-	115	1,215
SSP	TOTAL	5,715	4,073	7,960	7,167	3,963	9,936	38,814
CAN	PAK ARAB	25,204	24,155	20,711	21,158	26,094	22,516	139,838
CAN	Fatima Fertilizer	40,277	41,893	34,150	40,544	41,721	34,525	233,110
CAN	TOTAL	65,481	66,048	54,861	61,702	67,815	57,041	372,948
DAP	FFC	41,356	74,691	72,697	74,982	73,225	72,300	409,251
SOP	Pacific	854	859	862	828	879	895	5,177
NPKs (Various grades)	EFERT	5,327	4,262	3,660	9,484	2,772	11,510	37,015
NPK (2:20:3)	Safi Chemicals	-	-	-	-	-	-	-
	GRAND TOTAL	700,198	744,614	685,980	718,644	786,378	792,596	4,428,410
	NITROGEN	274,177	284,045	260,339	274,419	305,538	307,646	1,706,165
	PHOSPHATE	36,457	53,146	51,139	53,287	53,939	53,759	301,726
	POTASH	1,332	1,213	1,072	2,257	938	2,555	9,366
	TOTAL	311,966	338,404	312,550	329,962	360,416	363,959	2,017,256

FERTILIZER IMPORTS DURING KHARIF 2019

(Tonnes)

MONTH	UREA	DAP	SSP	SOP	MOP	AS	MAP	TOTAL PRODUCT	NITROGEN TOTAL	PHOSPHATE TOTAL	POTASH TOTAL	TOTAL NUTRIENT
April	-	34,202	1,780	4,037	1,783	6,511	500	48,813	7,574	16,303	3,088	26,965
May	-	21,272	1,862	4,379	1,297	5,342	4,335	38,487	5,384	12,288	2,968	20,640
June	-	82,856	3,000	4,487	-	6,681	-	97,024	16,317	38,654	2,244	57,214
July	100,972	32,800	-	3,257	549	10,240	-	147,818	54,502	15,088	1,958	71,547
August	-	33,592	-	1,134	3,628	3,018	-	41,372	6,680	15,452	2,744	24,876
Sep	-	125,366	-	3,897	1,527	18,726	9,360	158,876	27,434	62,348	2,865	92,647
Total	100,972.00	330,088	6,642	21,191	8,784	50,518	14,195	532,390	117,891	160,134	15,866	293,891

FERTILIZER IMPORTS DURING KHARIF 2020

(Tonnes)

MONTH	UREA	DAP	SSP	SOP	MOP	AS	MAP	TOTAL PRODUCT	NITROGEN TOTAL	PHOSPHATE TOTAL	POTASH TOTAL	TOTAL NUTRIENT
April	-	26,073	-	2,004	275	15,851	-	44,203	8,022	11,994	1,167	21,182
May	-	70,854	-	550	1,540	20,000	50	92,994	16,959	32,618	1,199	50,776
June	-	74,561	-	774	770	-	9,900	86,005	14,411	39,248	849	54,508
July	-	111,008	-	4,069	6,231	500	52	121,860	20,092	51,090	5,773	76,954
August	-	83,953	-	2,058	8,220	7,500	-	101,731	16,687	38,618	5,961	61,266
Sep	-	179,637	-	4,040	5,193	21,829	52	210,751	36,924	82,659	5,136	124,719
Total	-	546,086	-	13,495	22,229	65,680	10,054	657,544	113,094	256,227	20,085	389,405

**MONTH-WISE PRODUCT-WISE OFFTAKE DURING KHARIF 2019 AND 2020
(KHARIF 2019)**

		(Tonnes)						
Products	Sources	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
UREA	IMPORTED	-	-	-	1,185	22,213	44,356	67,754
UREA	FFC	116,925	350,298	346,189	207,328	277,108	212,066	1,509,914
UREA	DHCL	10,141	35,780	66,609	16,000	57,895	19,250	205,675
UREA	PAK-ARAB	-	-	-	-	-	-	-
UREA	EFERT	141,292	141,161	175,648	174,883	186,449	94,006	913,439
UREA	Agri Tech Limited (PAFL)	9,396	29,617	28,928	23,600	41,208	21,130	153,879
UREA	Fatima Fertilizer Company	14,671	35,669	25,203	42,500	40,552	14,498	173,093
UREA	TOTAL	292,425	592,525	642,577	465,496	625,425	405,306	3,023,754
CAN	PAK ARAB	2,673	250	34	-	-	13	2,970
CAN	Fatima Fertilizer	46,024	45,301	21,682	51,032	42,388	11,315	217,742
CAN	TOTAL	48,697	45,551	21,716	51,032	42,388	11,328	220,712
NP	IMPORTED	225	60	25	121	30.00	427.00	888
NP	PAK ARAB	0	-	300	-	-	-	300
NP	EFERT	3,091	9,775	6,827	8,494	5,977	6,480	40,644
NP	Fatima Fertilizer	61,404	58,007	18,294	64,584	35,063	11,991	249,343
NP	TOTAL	64,720	67,842	25,446	73,199	41,070	18,898	291,175
SSP	Imported	1,360	1,773	3,722	3606	99	197	10,757
SSP	LCFL	-	-	-	-	-	-	-
SSP	Agri Tech Limited (PAFL)	1,714	90	1,991	0	1,500	8,453	13,748
SSP	Suraj Fertilizer	783	1,278	1,603	90	596	952	5,302
SSP	Safi chemicals	-	-	-	-	-	55	55
SSP	TOTAL	3,857	3,141	7,316	3,696	2,195	9,657	29,862
DAP	IMPORTED	60,656	135,903	96,377	102,420	58,604	103,347	557,307
DAP	FFC	25,514	77,121	61,366	99,613	46,691	106,524	416,829
DAP	TOTAL	86,170	213,024	157,743	202,033	105,295	209,871	974,136
TSP	IMPORTED	-	-	-	-	-	-	-
SOP	Domestic	417	473	5	674	327	2,876	4,772
SOP	Imported	1,850	1,136	1349	1,425	1,364	3,836	10,960
SOP	Total	2,267	1,609	1,354	2,099	1,691	6,712	15,732
MAP	IMPORTED	865	6,210	1,858	3,027	1,847	3,198	17,005
MOP	IMPORTED	2,022	653	1,762	2,166	2,608	4,158	13,369
NPKs	EFERT	5,376	4,094	4,259	4,945	6,266	10,692	35,632
NPKs	Safi chemicals	-	-	-	-	-	-	-
AS	IMPORTED	5,759	5,696	5,920	7,698	5,990	3,664	34,727
	GRAND TOTAL	512,158	940,345	869,951	815,391	834,775	683,484	4,656,103
	NITROGEN	178,919	340,029	337,156	283,188	329,410	233,871	1,702,573
	PHOSPHATE	54,835	116,228	80,847	113,014	60,481	106,587	531,992
	POTASH	3,283	1,929	2,498	3,221	3,516	7,755	22,202
	TOTAL	237,037	458,186	420,501	399,423	393,407	348,213	2,256,767

Continued....

**MONTH-WISE PRODUCT-WISE OFFTAKE DURING KHARIF 2019 AND 2020
(KHARIF 2020)**

		(Tonnes)						
Products	Sources	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
UREA	IMPORTED	-	-	-	-	-	-	-
UREA	FFC	136,412	132,180	605,759	143,235	340,282	212,962	1,570,830
UREA	DHCL	-	-	-	-	-	-	-
UREA	PAK-ARAB	220	52	4,769	2,778	2,791	65	10,675
UREA	EFERT	83,059	102,627	510,809	333,810	161,818	122,157	1,314,280
UREA	Agri Tech Limited (PAFL)	920	1,596	215	65	18,045	12,840	33,681
UREA	Fatima Fertilizer Company	21,737	3,179	43,373	94,997	50,354	44,791	258,431
UREA	TOTAL	242,348	239,634	1,164,925	574,885	573,290	392,815	3,187,897
CAN	PAK ARAB	18,670	7,022	31,337	31,675	29,514	2,280	120,498
CAN	Fatima Fertilizer	41,080	13,149	36,198	54,489	59,225	29,211	233,352
CAN	TOTAL	59,750	20,171	67,535	86,164	88,739	31,491	353,850
NP	IMPORTED	31	15	82	-	-	112	240
NP	PAK ARAB	37,964	14,996	43,293	26,301	19,796	2,066	144,416
NP	EFERT	4,513	2,266	4,397	3,611	8,909	8,040	31,736
NP	Fatima Fertilizer	37,821	13,857	8,375	58,208	45,445	43,503	207,209
NP	TOTAL	80,329	31,134	56,147	88,120	74,150	53,721	383,601
SSP	Imported	0	0	0	0	0	0	-
SSP	LCFL	0	0	0	0	0	0	-
SSP	Agri Tech Limited (PAFL)	4,533	3,645	9,451	10370	3555	3895	35,449
SSP	Suraj Fertilizer	293	16	0	0	0	2872	3,181
SSP	Safi chemicals	50	0	621	0	5	150	826
SSP	TOTAL	4,876	3,661	10,072	10,370	3,560	6,917	39,456
DAP	IMPORTED	84,894	37,982	121,193	146,339	186,252	133,429	710,089
DAP	FFC	65,827	22,875	54,756	104,633	108,760	95,050	451,901
DAP	TOTAL	150,721	60,857	175,949	250,972	295,012	228,479	1,161,990
SOP	Domestic	800	1,360	1,020	823	267	1,941	6,211
SOP	Imported	2,651	1,694	3,127	3,358	3,316	7,725	21,871
SOP	Total	3,451	3,054	4,147	4,181	3,583	9,666	28,082
MAP	Imported	3,348	1,097	1,582	3,483	19,680	893	30,083
MOP	Imported	1,353	1,110	2,682	2,528	2,960	7,108	17,740
NPKs	EFERT	5,901	2,511	5,563	5,457	6,596	18,871	44,899
NPKs	Safi chemicals	-	-	-	-	-	-	-
AS	Imported	6,275	3,337	14,645	9,222	5,542	7,984	47,005
	GRAND TOTAL	558,352	366,566	1,503,247	1,035,382	1,073,111	757,946	5,294,604
	NITROGEN	174,213	134,366	601,283	355,212	360,987	246,125	1,872,185
	PHOSPHATE	89,185	35,975	95,971	140,436	164,925	123,114	649,606
	POTASH	3,529	2,659	4,712	4,642	4,811	12,593	32,946
	TOTAL	266,927	173,000	701,966	500,290	530,723	381,831	2,554,737

FERTILIZER SUPPLY / DEMAND SITUATION DURING KHARIF 2020

(Tonnes)				
DESCRIPTION	NITROGEN	PHOSPHATE	POTASH	TOTAL
Opening Balance	391,566	259,473	16,484	667,523
Domestic production	1,706,165	301,726	9,366	2,017,256
Imports	113,094	256,227	20,085	389,405
Total Availability	2,210,824	817,426	45,935	3,074,185
Offtake	1,872,185	649,606	32,946	2,554,737
Export	-	-	-	-
Adjustment (+)(-)	-2116	10696	-411	8169
National Inventory	336,523	178,516	12,578	527,617

PRODUCT WISE SUPPLY DEMAND SITUATION DURING KHARIF 2020

(Tonnes)

Description	UREA	CAN	NP	SSP	DAP	TSP	SOP	NPK's	MOP	MAP	AS	TOTAL
Opening Balance	590,661	52,841	92,341	7,614	499,846	2	17,629	13,795	9,395	20,609	15,489	1,320,222
Domestic production	3,104,137	372,948	461,068	38,814	409,251	-	5,177	37,015	-	-	-	4,428,410
Imports	-	-	-	-	546,086	-	13,495	-	22,229	10,054	65,680	657,544
Total Availability	3,694,798	425,789	553,409	46,428	1,455,183	2	36,301	50,810	31,624	30,663	81,169	6,406,176
Offtake	3,187,897	353,850	383,601	39,456	1,161,990	-	28,082	44,899	17,740	30,084	47,005	5,294,604
Export	-	-	-	-	-	-	-	-	-	-	-	-
Adjustment (+)(-)	-33,866	5	2,665	-539	4,009	-2	1,358	-789	-2,592	-393	-3,389	-33,533
National Inventory	473,036	71,944	172,473	6,434	297,202	-	9,577	5,122	11,291	186	30,774	1,078,039

FERTILIZER PRODUCTION BY PRODUCT AND MANUFACTURER DURING RABI 2019-20 AND RABI 2020-21

(RABI 2019-20)

		(Tonnes)						
Products	Sources	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	TOTAL
UREA	Fatimafert (DHCL)	43,347	42,169	-	-	-	-	85,516
UREA	EFERT	188,000	166,729	201,087	193,344	181,846	197,077	1,128,083
UREA (PAFL)	Agri Tech (Pvt.) Limited	33,880	31,346	-	-	-	-	65,226
UREA	PAK ARAB	-	-	-	-	2,329	-	2,329
UREA (PSFL)	FFC	63,955	71,121	71,261	73,555	66,717	73,668	420,277
UREA (PRILLED)	FFC	135,106	141,354	147,740	148,308	138,946	147,646	859,100
UREA (GRANULAR)	FFBL	51,482	46,748	40,408	424	35,919	59,249	234,230
UREA	FATIMA	18,927	35,847	50,303	40,799	35,839	32,136	213,851
UREA	TOTAL	534,697	535,314	510,799	456,430	461,596	509,776	3,008,612
CAN	PAK ARAB	-	-	-	8,395	25,939	28,118	62,452
CAN	FATIMA	37,727	15,533	14,201	40,678	39,998	29,248	177,385
CAN	TOTAL	37,727	15,533	14,201	49,073	65,937	57,366	239,837
NP	PAK ARAB	-	-	-	6,070	30,341	33,892	70,303
NP	EFERT	10,003	8,979	2,225	-	-	-	21,207
NP	Fatima Fertilizer Company	27,152	16,611	14,052	45,326	42,194	31,792	177,127
NP	TOTAL	37,155	25,590	16,277	51,396	72,535	65,684	268,637
SSP (J. WAL 18%)	LCFL	-	-	-	-	-	-	-
SSP (H. PUR 18%)	Agri Tech (Pvt.) Limited	6,754	3,979	866	3,640	4,131	4,886	24,256
SSP	Suraj Fertilizer	1,351	1,027	1,401	-	-	255	4,034
SSP	Safi Group	512	370	-	-	-	-	882
SSP	Total	8,617	5,376	2,267	3,640	4,131	5,141	29,172
DAP	FFC	75,010	72,857	72,045	38,754	27,406	38,223	324,295
SOP	Pacific	-	434	1,044	898	762	668	3,806
NPK	EFERT	4,548	5,029	2,830	8,197	8,537	8,015	37,156
NPK	Safi Group	-	-	-	-	-	-	-
	GRAND TOTAL	697,754	660,133	619,463	608,388	640,904	684,873	3,911,515
	NITROGEN	278,272	269,939	255,655	242,497	251,913	272,295	1,570,571
	PHOSPHATE	45,647	41,393	37,943	31,533	31,468	35,128	223,112
	POTASH	819	1,100	1,031	2,088	1,832	1,871	8,741
	TOTAL	324,738	312,432	294,629	276,118	285,212	309,294	1,802,425

Continued....

FERTILIZER PRODUCTION BY PRODUCT AND MANUFACTURER DURING RABI 2019-20 AND RABI 2020-21

(RABI 2020-21)

		(Tonnes)						
PRODUCTS	SOURCES	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	TOTAL
UREA	Fatimafert (DHCL)	46,258	40,000	2,494	-	-	19,999	108,751
UREA	EFERT	196,536	184,631	189,098	179,037	177,440	166,861	1,093,603
UREA (PAFL)	Agri Tech (Pvt.) Limited	33,520	28,672	5,745	-	-	14,915	82,852
UREA	PAK ARAB	7,697	4,262	5,881	7,267	5,298	2,380	32,785
UREA (PSFL)	FFC	73,528	19,894	65,425	77,283	69,503	76,601	382,234
UREA (PRILLED)	FFC	145,281	142,464	140,318	147,448	126,339	130,589	832,439
UREA (GRANULAR)	FFBL	50,366	54,635	47,948	-	19,813	60,651	233,413
UREA	FATIMA	44,397	40,642	42,040	44,195	37,610	42,164	251,048
UREA	TOTAL	597,583	515,200	498,949	455,230	436,003	514,160	3,017,125
CAN	PAK ARAB	24,049	28,182	27,929	27,313	30,046	12,657	150,176
CAN	FATIMA	42,901	43,198	43,444	40,043	39,139	43,844	252,569
CAN	TOTAL	66,950	71,380	71,373	67,356	69,185	56,501	402,745
NP	PAK ARAB	32,214	33,860	33,203	33,305	23,257	13,014	168,853
NP	EFERT	5,030	11,154	9,140	6,738	2,335	2,286	36,683
NP	Fatima Fertilizer Company	45,591	44,170	44,780	42,893	41,373	45,152	263,959
NP	TOTAL	82,835	89,184	87,123	82,936	66,965	60,452	469,495
SSP (J. WAL 18%)	LCFL	-	-	-	-	-	-	-
SSP (H. PUR 18%)	Agri Tech (Pvt.) Limited	7,439	6,605	4,967	5,908	4,742	6,750	36,411
SSP	Suraj Fertilizer	5,900	2,775	2,117	2,333	6,805	5,522	25,452
SSP	Safi Group	225	120	-	-	-	-	345
SSP	TOTAL	13,564	9,500	7,084	8,241	11,547	12,272	62,208
DAP	FFC	76,447	77,136	72,751	16,850	38,271	66,103	347,558
SOP	Pacific	894	851	867	862	856	981	5,311
NPK	EFERT	9,928	2,050	1,050	6,555	5,747	13,747	39,077
NPK	Safi Group	-	-	-	-	-	-	-
	GRAND TOTAL	848,201	765,301	739,197	638,030	628,574	724,216	4,343,519
	NITROGEN	326,126	290,153	281,312	249,813	241,461	278,486	1,667,351
	PHOSPHATE	58,839	58,176	55,020	29,293	36,223	49,262	286,813
	POTASH	2,260	795	623	1,742	1,509	3,070	9,998
	TOTAL	387,225	349,123	336,955	280,848	279,192	330,818	1,964,162

FERTILIZER IMPORTS DURING RABI 2019-20

MONTH	Urea	DAP	NP	SOP	MOP	AS	SSP	MAP	TOTAL PRODUCTS	(Tonnes)			TOTAL PRODUCTS
										NITROGEN	PHOSPHATE	POTASH	
OCTOBER	-	460,597	-	403	5,266	8,986	-	22,000	497,252	86,995	222,875	3,361	313,230
NOVEMBER	-	247,300	-	1,720	550	2,500	-	-	252,070	45,039	113,758	1,190	159,987
DECEMBER	-	55,000	-	-	-	-	-	-	55,000	9,900	25,300	-	35,200
JANUARY	-	16,483	-	1,259	3,520	2,760	-	-	24,022	3,547	7,582	2,742	13,870
FEBRUARY	-	-	-	2,633	3,996	4,000	-	50	10,679	845	25	3,714	4,584
MARCH	-	68,772	-	2,016	2,117	6,890	-	-	79,795	13,826	31,635	2,278	47,739
TOTAL	-	848,152	-	8,031	15,449	25,136	-	22,050	918,818	160,151	401,175	13,285	574,611

FERTILIZER IMPORTS DURING RABI 2020-21

MONTH	Urea	DAP	NP	SOP	MOP	AS	SSP	MAP	TOTAL PRODUCTS	(Tonnes)			TOTAL PRODUCTS
										NITROGEN	PHOSPHATE	POTASH	
OCTOBER	-	100,479	-	2,016	3,553	520	-	-	106,568	18,195	46,220	3,140	67,556
NOVEMBER	-	153,700	-	432	1,464	18,765	-	52	174,413	31,612	70,728	1,094	103,434
DECEMBER	-	128,717	-	2,021	2,200	-	-	275	133,213	23,197	59,347	2,331	84,874
JANUARY	-	61,156	-	1,907	1,942	6,500	-	-	71,505	12,373	28,132	2,119	42,624
FEBRUARY	-	850	-	1,264	1,008	-	-	-	3,122	153	391	1,237	1,781
MARCH	-	81,433	-	3,737	2,987	-	-	9,717	97,874	15,630	42,318	3,661	61,608
TOTAL	-	526,335	-	11,377	13,154	25,785	-	10,044	586,695	101,160	247,136	13,581	361,877

MONTH WISE AND PRODUCT WISE OFFTAKE DURING RABI 2019-20 AND 2020-21

(RABI 2019-20)

		(Tonnes)						
PRODUCTS	SOURCES	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	TOTAL
UREA	IMPORTED	8,586	13,981	10,662	-	-	-	33,229
UREA	FFC	54,889	156,003	665,503	73,787	332,465	255,574	1,538,221
UREA	DHCL	650	37,775	97,636	22,602	917	-	159,580
UREA	PAK ARAB	-	-	-	-	772	102	874
UREA	EFERT	41,594	127,289	464,621	74,709	80,324	17,840	806,377
UREA	Agritech	11,778	33,721	54,812	4,903	4,690	3,206	113,110
UREA	Fatima	3,862	11,960	52,125	85,746	41,279	25,778	220,750
UREA	TOTAL	121,359	380,729	1,345,359	261,747	460,447	302,500	2,872,141
CAN	PAK ARAB	37	0	8	5,152	22,822	9,607	37,626
CAN	Fatima	23,284	34,451	47,278	36,461	46,568	24,396	212,438
CAN	TOTAL	23,321	34,451	47,286	41,613	69,390	34,003	250,064
NP	Imported	46	1,033	1,574	223	43	-	2,919
NP	PAK-ARAB	-	-	-	769	14,306	11,101	26,176
NP	EFERT	748	4,808	8,075	478	1,003	958	16,070
NP	Fatima Fertilizer Company	45,999	40,092	62,967	30,980	31,117	21,133	232,288
NP	TOTAL	46,793	45,933	72,616	32,450	46,469	33,192	277,453
SSP	Imported	112	70	2	-	-	-	184
SSP	LCFL	-	-	-	-	-	-	-
SSP	Agritech	14,217	7,070	-	1,571	3,740	1,380	27,978
SSP	Suraj Fertilizer	2,417	2,165	565	573	337	130	6,187
SSP	Safi Chemicals	151	690	-	-	101	-	942
SSP	TOTAL	16,897	9,995	567	2,144	4,178	1,510	35,291
DAP	IMPORTED	221,440	268,328	145,587	25,333	41,248	36,125	738,061
DAP	FFC	49,477	135,891	47,725	18,391	46,314	43,095	340,893
DAP	TOTAL	270,917	404,219	193,312	43,724	87,562	79,220	1,078,954
TSP	IMPORTED	-	-	-	-	-	-	-
SOP	Domestic	-	1,198	20	87	637	280	2,222
SOP	IMPORTED	3,519	2,608	6,241	883	2,922	2,416	18,589
SOP	TOTAL	3,519	3,806	6,261	970	3,559	2,696	20,811
MAP	IMPORTED	1,924	4,805	2,491	396	1,926	1,756	13,298
MOP	IMPORTED	3,528	1,817	1,624	880	3,888	1,608	13,345
NPKs	EFERT	6,063	5,227	3,392	1,344	12,006	7,440	35,472
NPKs	Safi Group	22	-	-	-	-	-	22
AS	IMPORTED	5,277	4,985	7,062	3,026	5,588	4,680	30,618
	GRAND TOTAL	499,620	895,967	1,679,970	388,294	695,013	468,605	4,608,880
	NITROGEN	123,424	269,619	684,828	147,394	258,959	174,101	1,658,325
	PHOSPHATE	140,724	201,869	107,721	28,455	54,853	48,885	582,507
	POTASH	4,971	3,936	4,711	1,252	6,263	3,666	24,799
	TOTAL	269,119	475,424	797,260	177,101	320,075	226,652	2,265,631

MONTH WISE AND PRODCT WISE OFFTAKE DURING RABI 2019-20 AND 2020-21

(RABI 2020-21)

		(Tonnes)						
PRODUCTS	SOURCES	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	TOTAL
UREA	IMPORTED	-	-	-	-	-	-	-
UREA	FFC	191,232	249,423	398,137	221,235	203,542	219,697	1,483,266
UREA	DHCL	-	-	-	-	-	-	-
UREA	PAK ARAB	-	15	-	-	-	-	15
UREA	EFERT	157,676	183,925	228,814	347,978	160,093	94,076	1,172,562
UREA	Agritech	13,586	25,510	53,721	2,645	712	1,975	98,149
UREA	Fatima	50,641	74,211	199,952	76,681	41,856	27,298	470,639
UREA	TOTAL	413,135	533,084	880,624	648,539	406,203	343,046	3,224,630
CAN	PAK ARAB	1,061	3,206	447	271	62	35	5,082
CAN	Fatima	32,416	44,216	74,707	108,604	82,046	55,518	397,507
CAN	TOTAL	33,477	47,422	75,154	108,875	82,108	55,553	402,589
NP	Imported	-	67	-	-	-	-	67
NP	PAK-ARAB	1,821	2,046	1,698	74	4	-	5,643
NP	EFERT	7,528	9,067	10,935	6,765	2,423	2,955	39,673
NP	Fatima Fertilizer Company	48,997	75,492	58,775	86,935	68,357	9,143	347,699
NP	TOTAL	58,346	86,672	71,408	93,774	70,784	12,098	393,081
SSP	Imported	0	0	0	0	0	0	-
SSP	LCFL	-	-	-	-	-	-	-
SSP	Agritech	8,926	7,458	1,406	3,548	3,945	2,553	27,836
SSP	Suraj Fertilizer	3,667	2,772	463	4,328	5,216	2,239	18,685
SSP	Safi Chemicals	277	154	-	-	-	-	431
SSP	TOTAL	12,870	10,384	1,869	7,876	9,161	4,792	46,952
DAP	IMPORTED	99,424	198,708	127,252	66,651	51,755	81,377	625,168
DAP	FFC	129,950	158,092	78,531	16,870	37,385	62,383	483,211
DAP	TOTAL	229,374	356,800	205,783	83,521	89,140	143,760	1,108,379
TSP	IMPORTED	-	-	-	-	-	-	-
SOP	Domestic	1,382	1,150	961	1,752	938	970	7,153
SOP	IMPORTED	4,334	3,413	3,036	2,231	1,787	3,121	17,922
SOP	TOTAL	5,716	4,563	3,997	3,983	2,725	4,091	25,075
MAP	IMPORTED	113	58	43	1	130	7,897	8,241
MOP	IMPORTED	5,633	3,180	2,123	3,383	4,022	3,164	21,504
NPKs	EFERT	10,315	3,694	2,978	6,483	11,064	16,480	51,014
NPKs	Safi Group	-	-	-	-	-	-	-
AS	IMPORTED	4,797	8,685	15,477	14,512	4,811	5,014	53,296
GRAND TOTAL		773,775	1,054,541	1,259,456	970,947	680,148	595,895	5,334,761
	NITROGEN	255,555	343,930	481,659	367,012	242,797	206,724	1,897,677
	PHOSPHATE	123,474	186,716	112,071	62,583	60,990	79,298	625,131
	POTASH	8,146	4,878	3,822	5,267	5,906	6,855	34,874
	TOTAL	387,175	535,524	597,552	434,861	309,693	292,877	2,557,683

NUTRIENT SUPPLY/DEMAND SITUATION DURING RABI 2020-21

(Tonnes)				
DESCRIPTION	NITROGEN	PHOSPHATE	POTASH	TOTAL
Opening Balance	336,523	178,516	12,578	527,617
Domestic production	1,667,351	286,813	9,998	1,964,162
Imports	101,160	247,136	13,581	361,877
Total Availability	2,105,034	712,465	36,158	2,853,657
Offtake	1,897,677	625,131	34,874	2,557,683
Export	-	-	-	0
Adjustment (+)(-)	16787	3309	3652	23748
National Inventory	224,144	90,643	4,935	319,721

PRODUCT WISE SUPPLY DEMAND SITUATION DURING RABI 2020-21

(Tonnes)

DESCRIPTION	UREA	CAN	NP	SSP	DAP	TSP	SOP	NPK's	MOP	MAP	AS	TOTAL
Opening Balance	473,036	71,944	172,473	6,434	297,202	-	9,577	5,122	11,291	186	30,774	1,078,039
Domestic production	3,017,125	402,745	469,495	62,208	347,558	0	5,311	39,077	0	0	0	4,343,519
Imports	-	-	-	-	526,335	-	11,377	-	13,154	10,044	25,785	586,695
Total Availability	3,490,161	474,689	641,968	68,642	1,171,095	-	26,265	44,199	24,445	10,230	56,559	6,008,254
Offtake	3,224,630	402,589	393,081	46,952	1,108,379	-	25,075	51,014	21,504	8,241	53,296	5,334,761
Export	-	-	-	-	-	-	-	-	-	-	-	0
Adjustment (+)(-)	32,215	-4,139	14,167	1	-5,055	0	1,814	11,265	1,315	451	-301	51,733
National Inventory	297,746	67,962	263,054	21,691	57,662	0	3,004	4,450	4,256	2,440	2,961	725,226

AGGREGATED MARKET SHARE OF VARIOUS FERTILIZER DISTRIBUTION AGENCIES DURING 2020-21

SECTOR/AGENCIES	(Tonnes)											
	UREA	CAN	NP	SSP	DAP	NPKs	TSP	SOP	MOP	MAP	AS	TOTAL
NFML	-	-	-	-	-	-	-	-	-	-	-	-
Total Public Sector	-	-	-	-	-	-	-	-	-	-	-	-
FFC	2,885,318	-	-	-	1,162,176	-	-	12,358	7,103	-	-	4,066,955
EFERT	2,355,989	-	68,343	-	358,528	91,586	-	17,238	14,611	33,744	37,707	2,977,746
Fatima Fert. (DHCL)	-	-	-	-	-	-	-	-	-	-	-	-
PAK ARAB	11,557	151,175	87,773	-	38,614	-	-	-	-	-	-	289,120
Agri Tech (Pvt.) Limited	180,646	-	-	59,534	-	-	-	-	-	-	-	240,180
Fatima Fertilizer Company Limited	833,081	700,406	630,178	-	81,351	-	-	-	-	-	-	2,245,016
LCFL (Al Hamd Group)	-	-	-	-	-	-	-	-	-	-	-	-
Suraj Fertilizers	-	-	-	28,196	-	-	-	-	-	-	-	28,196
Safi Chemicals	-	-	-	1,386	-	-	-	-	-	-	-	1,386
Pacific Exim	-	-	-	-	122,112	-	-	12,869	1,863	-	4,922	141,766
Other Private Importers	-	-	179	-	407,643	-	-	12843	17537	396	57907.6	496,506
Total Private Sector	6,266,590	851,581	786,474	89,116	2,170,423	91,586	-	55,308	41,114	34,140	100,537	10,486,869
Grand Total	6,266,590	851,581	786,474	89,116	2,170,423	91,586	-	55,308	41,114	34,140	100,537	10,486,869

AGGREGATED MARKET SHARE OF VARIOUS FERTILIZER DISTRIBUTION AGENCIES DURING KHARIF 2020

(Tonnes)

SECTOR/AGENCIES	UREA	CAN	NP	SSP	DAP	NPKs	TSP	SOP	MOP	MAP	AS	TOTAL
NFML	-	-	-	-	-	-	-	-	-	-	-	-
Total Public Sector	-	-	-	-	-	-	-	-	-	-	-	-
FFC	1,570,830	-	-	-	571,740	-	-	6,312	3,282	-	-	2,152,164
EFERT	1,314,280	-	31,736	-	267,957	44,899	-	8,134	6,889	29,975	19,260	1,723,130
Fatima Fert. (DHCL)	-	-	-	-	-	-	-	-	-	-	-	-
PAK ARAB	10,675	120,498	144,416	-	11,042	-	-	-	-	-	-	286,631
Agri Tech (Pvt.) Limited	33,681	-	-	35,449	-	-	-	-	-	-	-	69,130
Fatima Fertilizer Company Limited	258,431	233,352	207,209	-	115,089	-	-	-	-	-	-	814,081
LCFL (Al Hamd Group)	-	-	-	-	-	-	-	-	-	-	-	-
Suraj Fertilizers	-	-	-	3,181	-	-	-	-	-	-	-	3,181
Safi Chemicals	-	-	-	826	-	-	-	-	-	-	-	826
Pacific Exim	-	-	-	-	32,625	-	-	6,211	580	-	823	40,239
Other Private Importers	-	-	240	-	163,537	-	-	7,425	6,989	109	26,922	205,222
Total Private Sector	3,187,897	353,850	383,601	39,456	1,161,990	44,899	-	28,082	17,740	30,083	47,005	5,294,604
Grand Total	3,187,897	353,850	383,601	39,456	1,161,990	44,899	-	28,082	17,740	30,083	47,005	5,294,604

AGGREGATED MARKET SHARE OF VARIOUS FERTILIZER DISTRIBUTION AGENCIES DURING RABI 2020-21

	(Tonnes)											
SECTOR/AGENCIES	UREA	CAN	NP	SSP	DAP	NPKs	TSP	SOP	MOP	MAP	AS	TOTAL
NFML	-	-	-	-	-	-	-	-	-	-	-	-
Total Public Sector	-	-	-	-	-	-	-	-	-	-	-	-
FFC	1,483,266	-	-	-	609,762	-	-	5,523	3,028	-	-	2,101,579
EFERT	1,172,562	-	39,673	-	128,836	51,014	-	7,707	7,640	8,014	21,564	1,437,010
Fatima Fert. (DHCL)	-	-	-	-	-	-	-	-	-	-	-	-
PAK ARAB	15	5,082	5,643	-	27,363	-	-	-	-	-	-	38,102
Agri Tech (Pvt.) Limited	98,149	-	-	27,836	11,119	-	-	-	-	-	-	137,104
Fatima Fertilizer Company Limited	470,639	397,507	347,699	-	-	-	-	-	-	-	-	1,215,845
LCFL (Al Hamd Group)	-	-	-	-	-	-	-	-	-	-	-	-
Suraj Fertilizers	-	-	-	18,685	-	-	-	-	-	-	-	18,685
Safi Chemicals	-	-	-	431	-	-	-	-	-	-	-	431
Pacific Exim	-	-	-	-	71,307	-	-	7,153	1,080	-	2,452	81,992
Other Private Importers	-	-	67	-	259,992	-	-	4,692	9,756	227	29,280	304,014
Total Private Sector	3,224,630	402,589	393,081	46,952	1,108,379	51,014	-	25,075	21,504	8,241	53,296	5,334,761
Grand Total	3,224,630	402,589	393,081	46,952	1,108,379	51,014	-	25,075	21,504	8,241	53,296	5,334,761

COMPARATIVE FERTILIZER DEMAND ESTIMATES FOR RABI 2021-22

(Tonnes)						
Months	Nitrogen	Phosphate	Potash	Total	Urea	DAP
Apr-20	174,213	89,185	3,529	266,927	242,348	150,721
May-20	134,366	35,975	2,659	173,000	239,634	60,857
Jun-20	601,283	95,971	4,712	701,966	1,164,925	175,949
Jul-20	355,212	140,436	4,642	500,290	574,885	250,972
Aug-20	360,987	164,925	4,811	530,723	573,290	295,012
Sep-20	246,125	123,114	12,593	381,831	392,815	228,479
Kharif 2020	1,872,185	649,606	32,946	2,554,737	3,187,897	1,161,990
Oct-20	255,555	123,474	8,146	387,175	413,135	229,374
Nov-20	343,930	186,716	4,878	535,524	533,084	356,800
Dec-20	481,659	112,071	3,822	597,552	880,624	205,783
Jan-21	367,012	62,583	5,267	434,861	648,539	83,521
Feb-21	242,797	60,990	5,906	309,693	406,203	89,140
Mar-21	206,724	79,298	6,855	292,877	343,046	143,760
Rabi 2020-21	1,897,677	625,131	34,874	2,557,683	3,224,630	1,108,379
Apr-21	192,760	42,154	4,797	239,710	309,245	46,169
May-21	292,992	90,088	3,363	386,443	501,488	173,233
Jun-21	364,996	42,223	4,195	411,414	690,238	68,180
FY 2020-21	3,710,748	1,228,071	69,275	5,008,094	6,266,590	2,170,423
Jul-21	356,873	106,328	6,919	470,120	621,731	193,418
Aug-21	374,297	110,005	10,652	494,954	648,513	186,532
Sep-21	289,376	122,547	7,400	419,323	487,149	221,132
Kharif 2021	1,871,294	513,344	37,327	4,221,964	3,258,363	888,663
Oct-21	355,984	196,907	10,079	562,970	513,890	342,287
Nov-21	338,927	126,599	7,586	473,112	574,034	219,871
Dec-21	332,306	70,294	5,106	407,706	598,732	116,545
Jan-22	279,912	49,192	3,365	332,469	607,878	59,887
Feb-22	231,801	53,108	4,952	289,861	531,196	66,820
Mar-22	198,233	61,107	4,955	264,295	368,902	85,575
Rabi 2021-22	1,737,163	557,207	36,043	2,330,413	3,194,632	890,985

NUTRIENT (NPK) WISE FERTILIZER SUPPLY AND DEMAND PROJECTIONS UP TO 2025-26

('000' Nutrient Tonnes)

Year	Nitrogen (N)			Phosphate (P)			Potash (K)			NPK Offtake/ Demand
	Production	Offtake/ Demand	Surplus/ Deficit	Production	Offtake/ Demand	Surplus/ Deficit	DomesticSupply	Offtake/ Demand	Surplus/ Deficit	
2020-21	3466	3711	-245	605	1228	-623	21	69	-48	5,008
2021-22	3420	3614	-194	550	1103	-553	20	70	-50	4,787
2022-23	3420	3719	-299	550	1326	-776	20	58	-38	5,103
2023-24	3420	3812	-392	550	1392	-842	20	61	-41	5,265
2024-25	3420	3907	-487	550	1462	-912	20	64	-44	5,433
2025-26	3420	4005	-585	550	1535	-985	20	67	-47	5,607

Note: The figures of 2020-21 are actual while the offtake figures of 2021-22 are estimates and from 2022-23 to 2025-26 are projections. The figures relating to production beyond 2020-21 show production capacity not the actual production.

GAS CONSUMPTION BY PLANTS DURING 2019-20

(MMCF)

COMPANY	CONSUMPTION	JUL '19	AUG '19	SEP '19	OCT '19	NOV '19	DEC '20	JAN '20	FEB '20	MAR '20	APR '20	MAY '20	JUN '20	TOTAL
Sui Northern Gas Pipelines Limited														
EFERT	Feed	2,955	2,950	2,850	2,981	2,856	3,077	3,061	2,821	3,042	2,919	3,043	2,966	35,522
From Mari through SNGPL	Fuel	501	514	508	494	462	475	472	440	470	456	474	463	5,729
	Total	3,456	3,464	3,358	3,475	3,318	3,552	3,533	3,261	3,512	3,375	3,517	3,429	41,251
Oil and Gas Development Company Limited														
EFERT	Feed	26	44	42	-	-	-	-	-	-	-	-	-	112
	Fuel	341	332	304	343	330	341	353	319	330	316	320	304	3,933
	Total	367	376	346	343	330	341	353	319	330	316	320	304	4,045
Liquefied Natural Gas (LNG)														
Agritech Limited	Feed	756	756	729	761	717	-	-	-	-	-	-	-	3,720
	Fuel	167	169	162	145	144	10	10	2	-	-	5	8	821
Fatimafert	Feed	1,022	1,014	989	1,066	1,061	-	-	-	-	-	-	-	5,152
	Fuel	243	238	233	227	210	7	22	6	8	8	8	7	1,217
	Total	2,187	2,177	2,113	2,199	2,132	17	32	8	8	8	13	15	10,910
Sui Southern Gas Company Limited														
FFC Jordon	Feed	1777	1710	1709	1795	1712	1595	226	1289	1685	1841	1970	1739	19,046
	Fuel	34	53	42	23	32	58	90	45	12	7	5	4	404
	Total	1,810	1,762	1,750	1,818	1,745	1,653	316	1,334	1,697	1,847	1,974	1,743	19,450
Mari Gas Company Limited														
EFERT	Feed	1,944	1,944	2,065	2,325	2,143	2,359	2,378	2,058	2,282	2,223	2,260	2,046	26,027
	Fuel	747	712	711	707	620	706	615	757	822	921	912	862	9,093
	Total	2,691	2,656	2,776	3,032	2,763	3,065	2,994	2,815	3,104	3,144	3,172	2,908	35,120
FFC-1 & 2	Feed	4,286	4,436	4,295	4,227	4,327	4,412	4,477	4,178	4,450	4,287	4,341	3,628	51,343
	Fuel	1,109	1,023	1,000	1,005	985	1,097	1,033	977	1,046	1,035	1,079	940	12,328
	Total	5,395	5,459	5,295	5,232	5,312	5,508	5,510	5,155	5,496	5,323	5,420	4,569	63,671
FFC-III (MM)	Feed	2,386	2,397	2,319	2,185	2,365	2,390	2,456	2,291	2,430	2,349	2,432	2,338	28,337
	Fuel	437	404	389	383	345	360	353	342	376	364	409	413	4,575
	Total	2,824	2,801	2,708	2,568	2,710	2,750	2,809	2,632	2,806	2,713	2,840	2,751	32,912
Fatima Fertilizer	Feed	2,857	2,862	2,782	2,302	2,184	2,324	2,883	2,713	2,361	2,870	2,993	2,844	31,973
	Fuel	422	414	410	388	393	476	415	405	394	390	412	409	4,928
	Total	3,278	3,276	3,192	2,689	2,577	2,799	3,299	3,118	2,755	3,260	3,405	3,253	36,901
Pak-Arab	Feed	-	-	-	-	-	-	439	1,046	1,142	1,087	1,152	1,090	5,957
	Fuel	13	-	-	-	14	10	169	271	353	390	326	311	1,855
	Total	13	-	-	-	14	10	608	1,317	1,495	1,477	1,478	1,401	7,812
Total	Feed	18,009	18,112	17,780	17,643	17,365	16,156	15,919	16,396	17,392	17,577	18,190	16,650	207,189
	Fuel	4,013	3,858	3,759	3,713	3,535	3,539	3,533	3,563	3,811	3,887	3,949	3,722	44,883
Grand Total	Total	22,022	21,970	21,539	21,356	20,900	19,696	19,453	19,959	21,203	21,464	22,139	20,372	252,073

GAS CONSUMPTION BY PLANTS DURING 2020-21

(MMCF)

COMPANY	CONSUMPTION	JUL '20	AUG '20	SEP '20	OCT '20	NOV '20	DEC '20	JAN '21	FEB '21	MAR '21	APR '21	MAY '21	JUN '21	TOTAL
Sui Northern Gas Pipelines Limited														
Pak-Arab	Feed	-	0	0	0	0	0	0	0	0	0	0	0	-
	Fuel	1	1	1	2	3	3	4	3	3	2	2	2	27
Hazara Phosphate	Feed	-	0	0	0	0	0	0	0	0	0	0	0	-
	Fuel	8	4	5	5	5	1	2	4	5	5	4	4	52
EFERT Mari through SNGPL	Feed	3,393	3,303	3,345	3,254	3,151	3,210	3,185	2,915	3,253	3,151	3,184	3,072	38,416
	Fuel	280	264	265	268	266	288	289	261	252	244	269	266	3,212
	Total	3,682	3,572	3,616	3,529	3,425	3,502	3,480	3,183	3,513	3,402	3,459	3,344	41,707
Oil and Gas Development Company Limited														
EFERT	Feed	-	-	-	-	-	-	-	-	-	-	-	-	-
	Fuel	311	305	292	298	285	330	349	310	308	313	326	310	3,735
	Total	311	305	292	298	285	330	349	310	308	313	326	310	3,735
Liquefied Natural Gas (LNG)														
Agritech Limited	Feed	-	649	725	771	688	157	-	-	351	781	799	686	5,607
	Fuel	14	131	148	155	138	31	-	-	78	162	168	145	1,170
Fatimafert (DHCL)	Feed	-	888	1,020	1,109	1,039	112	-	-	513.00	1,114	1,115.00	993.00	7,903
	Fuel	12	205	243	265	231	43	7	8	112	214	239	230	1,809
	Total	26	1,873	2,136	2,300	2,096	343	7	8	1,054	2,271	2,321	2,054	16,489
Sui Southern Gas Company Limited														
FFBL	Feed	1,768.25	1,785.63	1,635.96	1,873.89	1,806.46	1,687.61	4.03	960.69	1,888.44	1,769.33	1,892.00	1,446.60	18,519
	Fuel	14.63	21.64	12.92	5.77	11.90	12.62	74.19	12.43	8.08	6.17	4.35	7.05	192
	Total	1,783	1,807	1,649	1,880	1,818	1,700	78	973	1,897	1,775	1,896	1,454	18,711
Mari Gas Company Limited														
EFERT	Feed	2,063	1,956	2,125	2,242	2,160	2,099	2,246	2,048	1,674	1,507	2,345	2,184	24,649
	Fuel	833.55	905	836	1,018	949	917	755	758	805	886	1,024	1,045	10,733
	Total	2,897	2,861	2,960	3,261	3,110	3,016	3,001	2,806	2,479	2,393	3,369	3,229	35,381
FFC-1 & 2	Feed	4,370	4,420	4,241	4,383	4,241	4,364	4,413	3,881	4,247	4,288	4,342	3,480	50,669
	Fuel	1,126	1,035	992	1,025	1,024	1,061	1,032	915	933	988	998	788	11,917
	Total	5,496	5,455	5,232	5,409	5,265	5,425	5,444	4,796	5,180	5,277	5,340	4,267	62,586
FFC-III (MM)	Feed	2,382	2,386	2,332	2,445	997	2,373	2,455	2,214	2,447	2,363	2,441	2,343	27,177
	Fuel	432	442	412	412	263	445	425	404	445	453	457	449	5,038
	Total	2,814	2,828	2,744	2,857	1,261	2,817	2,879	2,618	2,892	2,816	2,899	2,792	32,215
Fatima Fertilizer	Feed	2,990	3,004	2,852	2,983	2,873	2,972	2,936	2,631	2,881	2,810	2,891	2,763	34,588
	Fuel	436	426	406	398	375	386	403	339	381	374	397	399	4,718
	Total	3,426	3,430	3,258	3,381	3,249	3,357	3,339	2,971	3,262	3,184	3,288	3,162	39,306
Pak-Arab	Feed	996.74	1,235.69	1,191.16	1,253.58	1,235.46	1,252.40	1,250	1,118	544	1,175	1,228	1,198	13,677
	Fuel	216	164.74	186.66	210.22	214	289	284	260	189	345	305	325	2,989
	Total	1,212	1,400	1,378	1,464	1,450	1,542	1,534	1,378	733	1,521	1,533	1,523	16,667
Total	Feed	17,962	19,627	19,466	20,315	18,192	18,227	16,488	15,767	17,798	18,959	20,237	18,166	221,205
	Fuel	3,684	3,903	3,799	4,062	3,766	3,806	3,624	3,274	3,519	3,993	4,193	3,969	45,591
Grand Total	Total	21,646	23,530	23,265	24,377	21,957	22,033	20,112	19,041	21,317	22,952	24,431	22,134	266,796

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