

FERTILIZER REVIEW

2019-20

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

Review Report 1/2020

The National Fertilizer Development Centre

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Fertilizer Review 2019-20

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FOREWORD

Fertilizer Review is a regular annual publication of National Fertilizer Development Centre (NFDC), Ministry of National Food Security and Research (NFS&R). The Review 2019-20 is a comprehensive document on fertilizer use covering details regarding domestic production, imports, offtake at (national, provincial and district level), domestic and international price trend, economics of fertilizer use and fertilizer demand estimates for next five years.

The efforts of Honourable Federal Minister for National Food Security and Research in resolving the long awaited issue of Gas Infrastructure Development Cess (GIDC) and approval of fiscal package for agriculture sector are highly appreciated.

The compilation of Annual Fertilizer Review 2019-20 is mainly based on data provided by Government organizations, fertilizer manufacturers and fertilizer importers. The NFDC staff compiled all these data and conducted analysis of various parameters related to agriculture and fertilizer sector. The dedication and hard work of NFDC staff engaged in the publication of this voluminous report is commendable. The efforts 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, Deputy Chief and Dr. Muhammad Islam, Assistant Chief. Mr. Khurram Shahzad, Stenotypist deserve special mention for painstaking work in compilation of this report.

It is hoped that information presented here would be of immense importance and useful for policy planners, extension workers, researchers, fertilizer production / marketing organizations and other related agencies engaged in fertilizer use development. We would appreciate your views for improving the format and the contents of the review. Any suggestions for improving accuracy of the data on this very important agricultural input would be appreciated and acknowledged.

(Ghufran Memon)
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 an important input for crop production. 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 2019-20 and crop seasons of Kharif 2019 and Rabi 2019-20. The overall fertilizer product offtake decreased by 1.0 per cent during the fiscal year 2019-20 as compared to 2018-19. It increased by 4.4 per cent during Kharif 2019 while decreased by 4.0 per cent during Rabi 2019-20 over the same time frame of last year. Highlights of 2019-20 with regard to fertilizer sector along with outlook for the year 2020-21 are given below.

Fertilizer Supply

Overall fertilizer availability during 2019-20 was 5178 thousand nutrient tonnes, which witnessed an increase of 1.25 per cent over last year 2018-19. Total availability of nitrogen, phosphate and potash was 3,762, 1353 and 63 thousand nutrient tonnes respectively. Product-wise availability was; urea 6455, DAP 2452, and Nitrophos 727 thousand product tonnes. Domestic production met about 79.9 per cent of the country's requirements during 2019-20. The deficit of 20.1 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 2019-20 was 8247 thousand tonnes compared to 7824 thousand tonnes during 2018-19, showing an increase of 5.5 per cent. Urea production during 2019-20 was 6176 thousand tonnes (5933 thousand tonnes in 2018-19) followed by DAP 737, NP 650, CAN 546, SSP 58, SOP 7 and NPK of various grades 72 thousand tonnes.

Domestic industry witnessed a positive trend in fertilizer production in nutrient terms. The production in nutrient terms increased from 3627 thousand tonnes during 2018-19 to 3794 thousand tonnes during 2019-20 showing an increase of 4.6 per cent. Nitrogen production was 3271 thousand tonnes and recorded an increase of 5.2 per cent (86.2 per cent share in total nutrients production), phosphate 506 thousand tonnes (13.3 per cent share in total nutrients production), which increased by 1.4 per cent. Potash production (in NPKs and SOP) was about 17 thousand tonnes (0.4 per cent share in total nutrients production) and recorded a decrease of 0.4 per cent, over the same time frame of last year 2018-19.

In product terms, fertilizer production increased from 3588 thousand tonnes to 4266 thousand tonnes during Kharif 2019 compared with Kharif 2018. In nutrient terms, fertilizer production increased by 19.7 per cent from 1660 to 1988 thousand tonnes during Kharif 2019. Fertilizer industry experienced positive growth during Rabi 2019-20 as compared with Rabi 2018-19. In product terms fertilizer production increased by 1.5 per cent from 3855 thousand tonnes to 3912 thousand tonnes while in nutrient terms, it increased by 1.3 per cent from 1780 thousand tonnes to 1802 thousand tonnes.

Fertilizer Imports

The total fertilizer imports during 2019-20 were 1490 thousand product tonnes compared with 1813 thousand tonnes during 2018-19 showing a decrease of 17.8 per cent over the same time frame of last year. Product-wise imports were: Urea 101, DAP 1211, AS 93, SOP 20, MOP 24, and MAP 41 thousand tonnes. The fertilizer imports were entirely handled by the private sector except urea during 2019-20.

Imports during Kharif 2019 were 532 thousand product tonnes against 1122 thousand product tonnes during Kharif 2018, which represented a decrease of 52.6 per cent. During Rabi 2019-20 imports were 919 thousand tonnes, against 900 thousand tonnes during Rabi 2018-19, witnessing an increase of 2.1 per cent.

Fertilizer Offtake

Offtake of all nutrients during 2019-20 was 4549 thousand tonnes as compared to 4614 thousand tonnes in 2018-19, representing a decrease of 1.4 per cent. Of this, nitrogen was 3415 thousand tonnes, phosphate 1084 thousand tonnes and potash 50.2 thousand tonnes. An increase of 0.2 per cent was observed in nitrogen while each of phosphate and potash offtake decreased by 6 per cent during 2019-20 as compared to same period of 2018-19.

The offtake of urea increased from 5970 thousand tonnes in 2018-19 to 6015 thousand tonnes in 2019-20, registering an increase of 0.8 per cent. The offtake of DAP decreased from 2200 thousand tonnes in 2018-19 to 1984 thousand tonnes in 2019-20 registering downward trend of 9.8 per cent over last year. The offtake of other products during 2019-20 was: CAN 502, NP 578, NPK's 71, SSP 69, SOP 42, MOP 27, AS 72 and MAP 27 thousand tonnes.

Fertilizers (nutrients) Use Ratios

Nitrogen to phosphate use ratio was 3.15 during 2019-20. The agronomically recommended NP 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 68.7 per cent, Sindh 24.1 per cent, Khyber Pakhtunkhwa 4.2 per cent and Balochistan 3.0 per cent during 2019-20. The overall provincial share remained more or less the same as was during the preceding years.

Per Hectare Offtake

At national level, average offtake of all nutrients per hectare of gross cropped area was 194 kg during 2019-20 (197 kg/ha during 2018-19).

Average fertilizer use in Sindh province was the highest at 299 kg/ha of gross cropped area, followed by Punjab and Balochistan (182 kg/ha). The fertilizer nutrient use was 106 kg/ha in KP, during 2019-20.

Fertilizer Supply/Demand Situation during Kharif 2019 and Rabi 2019-20

During Kharif 2019, overall product availability was about 5768 thousand tonnes, representing an increase of 5.31 per cent over Kharif 2018. Out of total availability, domestic fertilizer production was 4266 thousand product tonnes, against 3588 thousand tonnes during Kharif 2018 showing an increase of 18.9 per cent. Production of urea and DAP was 3265 and 443 thousand tonnes, respectively during Kharif 2019. Production of urea increase by 20.9 per cent while that of DAP by 18.2 per cent during Kharif 2019 over Kharif 2018.

During Kharif 2019, overall fertilizer offtake was 4656 thousand tonnes which was 4.4 per cent more than previous Kharif. Urea and DAP offtake was 3024 and 974 thousand tonnes, respectively, registering an increase of 4.7 per cent in case of urea and 8.1 per cent in case of DAP over Kharif 2018.

In Rabi 2019-20, total fertilizer availability was about 5946 thousand tonnes, witnessing an increase of 3.2 per cent over Rabi 2018-19. Share of domestic production was 3912 thousand product tonnes, showing an increase of 1.5 per cent as compared to Rabi 2018-19. Quantum of urea and DAP produced during Rabi 2019-20 was 3009 and 324 thousand tonnes, respectively.

The total fertilizer offtake in Rabi 2019-20 was 4627 thousand tonnes compared to 4821 thousand tonnes in Rabi 2018-19 indicating a decrease of 4.0 per cent. Offtake of urea and DAP was 2872 and 1079 thousand tonnes, respectively. Use of urea decreased by 5.3 per cent while that of DAP decreased by 7.3 per cent, over previous Rabi 2018-19.

Prices

Prices of almost all fertilizer products decreased during 2019-20. The average decrease in prices of urea (sona) and urea (others) was 15.7 and 14.7 per cent respectively. Price of DAP decreased by 5.7 per cent. Price of NP and CAN also decreased by 9.1 and 12.5 per cent respectively during 2019-20. Price of SOP decreased by 2.9 per cent.

The urea prices in Middle East registered downward trend during 2019-20 from US \$ 279.4/t in July, 2019 to US \$ 218.0 FOB/t in June 2020. Price of urea in China decreased by 17.8 per cent while DAP China prices went down by 9.3 per cent. Price of DAP in Australia decreased by 11.0 per cent.

Natural Gas Consumption

About 252,073 million cubic feet gas was consumed by fertilizer plants during the year 2019-20. The major portion (82.2 per cent) of this was used as feed stock and 17.8 per cent as fuel.

Global Fertilizer Situation

The world fertilizer consumption data depicts that fertilizer consumption is expected to be around 192.9 million nutrient tonnes in fertilizer year (FY) 2020 compared to 190.5 million nutrient

tonnes during FY 2019. The increase in consumption of nitrogen, phosphate and potash at global level is estimated by 0.9, 1.2 and 2.5 per cent respectively during FY 2020 as compared to FY 2019 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 2019 increased by Rs. 330 and DAP by Rs. 315 per bag of 50 kg over Kharif 2018. During Rabi 2019-20, an increase of Rs. 152 and Rs. 25 per bag of 50 kg in the average price of Urea and DAP, respectively was observed over Rabi 2018-19. During fiscal year 2019-20, it has been observed that DAP (phosphate) fertilizers remained cheaper for all crops as compared with previous fiscal year mainly because of increase in prices of agriculture commodities.

Demand Forecast: Outlook 2020-21

The fertilizer demand during 2020-21 is projected to increase by 9.6 per cent in nutrient terms. In product terms, offtake of urea is estimated to increase by 1.4 percent while that of DAP by 23.5 per cent during 2020-21. Under short term approach, the monthly fertilizer demand estimates up to March 2021 have been prepared, while on long term basis, annual estimates up to 2024-25 have been depicted in Annex-27 (A).

1. INTRODUCTION

Annual Fertilizer Review 2019-20, 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 2019-20 and details of Kharif 2019 and Rabi 2019-20 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 8247 thousand tonnes during 2019-20 which is 5.5 per cent higher than previous year. Increase in production is due to supply of additional gas to Engro Fertilizer and supply of gas to Pak Arab from Mari network. The supply/demand situation of urea during 2019-20 remained satisfactory.

Overall, nutrient offtake during fiscal year 2019-20 was 4549 thousand tonnes, which represented a decrease of 1.4 per cent over the previous year 2018-19. Nitrogen offtake registered an increase of 0.2 per cent while phosphate offtake decreased by 6.0 per cent. Potassium offtake also witnessed a decrease of 6.0 per cent. There was a substantial increase of 5.7 per cent in nutrients offtake during Kharif 2019 and a decrease of 3.9 per cent during Rabi 2019-20 over the preceding seasons. Among major products, urea offtake during Rabi 2019-20 went down by 5.3 per cent, while DAP offtake decreased by 7.3 per cent as compared with Rabi 2018-19.

2. FERTILIZER AVAILABILITY DURING 2019-20

2.1 Domestic production

The overall domestic production of all fertilizers witnessed an increase of 5.5 per cent in product terms during 2019-20 as compared with 2018-19. The overall nutrient production increased by 4.6 per cent i.e., from 3627 in 2018-19 to 3794 thousand nutrient tonnes in 2019-20. Out of total domestic production, 3271 thousand nutrient tonnes (86.2 per cent share) was nitrogen, 506 thousand nutrient tonnes (13.3 per cent share) phosphate and 17 thousand nutrient tonnes of potash.

In product terms, total domestic production, was about 8247 thousand tonnes during 2019-20, which was 423 thousand tonnes more than the previous year, showing a increase of 5.5 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), Di-ammonium 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 single straight nitrogenous fertilizer. Its share in total fertilizer production was 74.9 per cent, which decreased during current fiscal year. The share of other products was: DAP (8.9 per cent), NP (7.9 per cent), SSP (0.7 per cent),

CAN (6.6 per cent), SOP (0.09 per cent) and NPK's various grades (0.88 per cent).

The performance of urea plants was 98 per cent of installed capacity and the aggregate performance of all fertilizer plants was 90 per cent. The products manufactured during 2019-20, were: urea 6176, CAN 546, NP 650, DAP 737, SSP 58, SOP 7 and NPK's of various grades 72 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 2018-19 and 2019-20

Products	Manufacturer	Annual Production capacity ('000 t)	2018-19		2019-20		Per cent change in 2019-20 over 2018-19	Production as % of capacity during 2019-20
			Production ('000 t)	Per cent share	Production ('000 t)	Per cent share		
PRODUCTS								
Urea	FatimaFert (DHCL)	445	327	4.18	208	2.5	-36	47
Urea	EFERT	2230	1876	24.00	2239	27.2	19	100
Urea (PFL)	PAK ARAB	109	-	-	17	0	-	16
Urea (PAFL)	Agri Tech (Pvt.) Ltd	429	268	3.43	166	2.0	-38	39
Urea (prilled)	FFC	1330	1644	21.03	1685	20.4	3	127
Urea (granular)	FFBL	551	521	6.67	559	6.8	7	101
Urea (PSFL)	FFC	718	854	10.92	850	10.3	0	118
Urea	Fatima Fertilizer	495	443	5.66	453	5.5	2	91
Urea	Total	6307	5933	75.89	6176	74.9	4.1	98
CAN (PAR)	PAK ARAB	450	0	0.00	133	1.6	-	29
CAN	Fatima Fertilizer	420	453	5.80	413	5.01	-9	98
CAN	Total	870	453	5.8	546	6.6	20.4	63
NP(PAR)	PAK ARAB	305	0	0	168	2.04	-	55
NP	EFERT	40	58	0.75	47	0.57	-19	118
NP	Fatima Fertilizer	360	437	5.59	434	5.27	-1	121
NP	Total	705	495	6.3	650	7.9	31.3	92
DAP-SONA	FFC	675	783	10.01	737	8.94	-5.8	109
SSP	LCFL (Al Hamd)	108	-	-	-	-	-	-
SSP	Agritech Limited	147	56	0.72	48	0.58	-15.0	33
SSP	Suraj Fertilizer	150	20	0.25	8	0.10	-59.5	5
SSP	Safi Chemicals	40	-	-	2	0.02	-	5.0
SSP	Total	445	76	0.97	58	0.70	-24.0	13
SOP	Pacific Exim	10	6	-	7	0.09	27	73
NPK (Various Grades)	EFERT	120	78	0.99	72	0.88	-7	60
NPK	Safi Chemicals	40	-	-	-	-	-	-
All Products	Total	9172	7824	100	8247	100	5.5	90
NUTRIENTS								
	Nitrogen		3111	85.8	3271	86.2	5.2	
	Phosphate		499	13.8	506	13.3	1.4	
	Potash		17	0.5	17	0.4	-0.4	
	Total		3,627	100	3794	100	4.6	

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 farmers.

Domestic production met about 83.9 per cent of total fertilizer requirements during 2019-20 (81.0 per cent during 2018-19) and the gap between demand and domestic production (16.1 per cent) was met through imports (Table 5). A total quantity of 1490 thousand tonnes of various products (890 thousand tonnes in terms of nutrients), was made available through imports (Table 2).

DAP constitutes the major share of 81 per cent. Quantitatively, imports were: DAP 1211, urea 101, MAP 41, AS 93, SOP 20 and MOP 24 thousand tonnes. The data are summarized in Table 2 and month-wise details are shown in Annex-2.

Table 2. Fertilizer imports during 2018-19 and 2019-20

Products	2018-19		2019-20		Per cent change in 2019-20 over 2018-19
	Imports	Per cent share	Imports	Per cent share	
('000 tonnes)					
PRODUCTS					
Urea	105	6	101	7	-4
DAP	1,511	83	1,211	81	-20
SSP	23	1	-	-	-100
SOP	47	3	20	1	-59
NP	14	1	-	-	-100
MOP	26	1	24	2	-8
AS	59	3	93	6	57
MAP	28	2	41	3	49
All Products	1,813	100	1,490	100	-17.8
NUTRIENTS					
Nitrogen	339	31	288	32	-15
Phosphate	716	65	578	65	-19
Potash	39	4	24	3	-39
Total	1,093	100	890	100	-18.6

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

3. FERTILIZER OFFTAKE DURING 2019-20

3.1 Fertilizer offtake by nutrients

Total fertilizer offtake of all nutrients (N+P₂O₅+K₂O) was 4549 thousand tonnes during 2019-20 as compared with 4614 thousand tonnes of last year 2018-19 which witnessed a decrease of 1.4 per cent. Nitrogen offtake increased by 0.2 per cent during 2019-20, while that of phosphate decreased by 6.0 per cent. Potash offtake also witnessed a decrease of 6.0 per cent.

Total nutrients offtake during 2019-20, 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 2019-20 compared with previous years

Nutrients	('000 tonnes)				
	2015-16	2016-17	2017-18	2018-19	2019-20
Nitrogen	2,672	3,730	3,435	3,408	3,415
Phosphate	1007	1269	1279	1153	1084
Potash	20.0	41.4	49.9	53.4	50.2
Total	3,699	5,040	4,763	4,614	4,549
Percent change		36.2	-5.5	-3.1	-1.4
N:P Ratio	2.65	2.94	2.69	2.95	3.15

3.1.1 Nitrogen to phosphate imbalance

Data in Table 5 show that nitrogen share in total nutrients offtake was 75.1 per cent during 2019-20 (73.9 per cent during 2018-19), phosphate 23.8 per cent share (25.0 per cent during 2018-19) and potash 1.1 per cent (1.2 per cent during 2018-19). The NP ratio (3.15) widened in 2019-20 as compared to 2018-19. 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 3.15 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 2019-20

Of the 1.4 per cent decrease in total fertilizer nutrient offtake, a decrease of 2.9 per cent was observed in Punjab, and 4.1 per cent in Sindh. An increase of 11 per cent was observed in KP and 38 per cent in Balochistan.

At national level, nitrogen offtake during 2019-20 increased by 0.2 per cent compared with last year. Nitrogen offtake decreased by 1.4 per cent in Punjab and 2.1 per cent in Sindh. Its offtake increased by 12.6 and 41.2 per cent in KP and Balochistan, respectively.

Phosphate offtake decreased by 6.0 per cent at national level during 2019-20. Its offtake decreased by 7.2 per cent in Punjab and 9.9 per cent in Sindh. It increased by 8.2 and 31.4 per cent in KP and Balochistan respectively during 2019-20 as against 2018-19. Potash offtake decreased by 6.0 per cent at national level. It decreased by 1.9 per cent in Punjab, 18.1 per cent in Sindh, 20.4 per cent in KP and 4.2 per cent in Balochistan during 2019-20 as compared to last year.

Based on five years average, the share of Punjab in overall nutrient offtake was 68.7 per cent, followed by Sindh 24.1 per cent, KP 4.2 per cent and Balochistan 3.0 per cent. The N to P use ratio was better (2.84:1) in Balochistan compared to other provinces. It is important to note that the provincial share in total nutrient offtake remained more or less the same.

The aggregated province-wise, nutrient offtake during 2019-20 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 2019-20 compared with previous seasons

('000 tonnes)

Province	2015-16	2016-17	2017-18	2018-19	2019-20	Percent change in 2019-20 over 2018-19	Provincial Share (%) 5 Years basis	NP ratio 2019-20
Total								
Punjab	2,503	3,498	3,316	3,173	3,080	-2.9	68.7	3.05
Sindh	947	1,186	1,126	1,123	1,077	-4.1	24.1	3.49
KP	174	225	174	178	197	11.0	4.2	3.43
Balochistan	76	131	147	140	193	38.0	3.0	2.84
AJK/FATA	-	-	0.4	0.5	0.2	-56.6	0.00	2.04
Total	3,699	5,040	4,763	4,614	4,549	-1.4	100	3.15
Per cent change over previous year		36.2	-5.5	-3.1	-1.4			
Nitrogen								
Punjab	1,772	2,537	2,354	2,323.4	2,290	-1.4	67.7	
Sindh	715	924	852	849.8	831.9	-2.1	25.1	
KP	133	173	125	133.8	150.7	12.6	4.3	
Balochistan	52	96	104	100.4	141.8	41.2	3.0	
AJK/FATA	-	-	0.3	0.3	0.14	-49.8	0.00	
Total	2,672	3,730	3,435	3,408	3,415	0.2	100	
Per cent change over previous year		39.6	-7.9	-0.8	0.2			
Phosphate								
Punjab	718	930	925	810.4	751.8	-7.2	71.4	
Sindh	227	255	266	264.2	238.0	-9.9	21.6	
KP	39	50	47	40.6	43.9	8.2	3.8	
Balochistan	23	34	41	38.0	49.9	31.4	3.2	
AJK/FATA	-	-	0.1	0.2	0.07	-65.5	0.0	
Total	1,007	1,269	1,279	1,153	1,084	-6.0	100.0	
Per cent change over previous year		26.0	0.8	-9.8	-6.0			
Potash								
Punjab	13	31	37	39.0	38.2	-1.9	73.7	
Sindh	5	7	8	9.0	7.3	-18.1	16.8	
KP	1.2	2.4	2.7	3.6	2.9	-20.4	5.9	
Balochistan	0.9	1.4	1.7	1.8	1.8	-4.2	3.5	
AJK/FATA	-	-	-	-	-	0	-	
Total	20	41	50	53	50.2	-6.0	100	
Per cent change over previous year		106.7	20.5	6.9	-6.0			

3.3 Fertilizer offtake by product during 2019-20

During the year 2019-20, a total quantity of about 9389 thousand tonnes (94 thousand tonnes less than that of 2018-19), was sold by marketing agencies, showing a decrease of 1.0 per cent over the same time frame of last year. Offtake of domestically produced products was 7874 thousand tonnes, representing an increase of 2.5 per cent. Offtake of imported products was about 1515 thousand tonnes, which was 288 thousand tonnes less than that of 2018-19, showing a decrease of 16 per cent (Table 5).

Among products, share of urea was 64.1 per cent, followed by DAP (21.1 per cent), NP (6.2 per cent), CAN (5.3 per cent), SSP (0.7 per cent) and other products (2.6 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 2018-19 and 2019-20 are given in Annex-5.

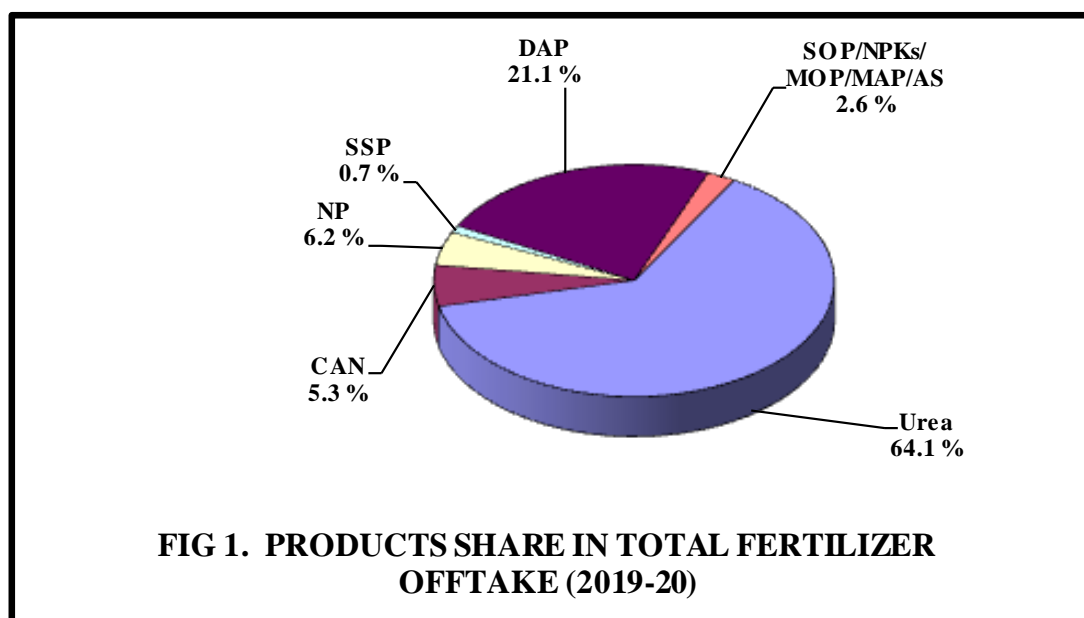


Table 5. Product-wise fertilizer offtake during 2018-19 and 2019-20

Products	2018-19 Offtake (000 tonnes)	Per cent Share	2019-20 Offtake (000 tonnes)	Per cent Share	Per cent change in 2019-20 over 2018-19
Urea domestic	5,865	61.8	5,914	63.0	0.8
Urea Imported	105	1.1	101	1.1	-3.9
Total Urea	5,970	63.0	6,015	64.1	0.8
CAN domestic	541	5.7	502	5.3	-7.1
NP Imported	10	0.1	4	0.0	-63.1
NP domestic	440	4.6	575	6.1	30.6
Total NP	450	4.7	578	6.2	28.6
SSP domestic	79	0.8	65	0.7	-17.5
SSP Imported	23	0.2	4	0.0	-82.1
DAP domestic	681	7.2	737	7.9	8.3
DAP Imported	1,520	16.0	1,247	13.3	-18.0
Total DAP	2,200	23.2	1,984	21.1	-9.8
TSP Imported	-	-	-	-	0
SOP domestic	1	0.0	9	0.1	937
SOP Imported	42	0.4	33	0.3	-21.6
NPK's	75	0.8	71	0.8	-4.3
MOP Imported	31	0.3	27	0.3	-12
MAP Imported	17	0.2	27	0.3	57
AS	55	1	72	0.8	31
Grand Total	9,483	100.0	9,389	100.0	-1.0
Total domestic	7,680	81.0	7,874	83.9	2.5
Total Imported	1,803	19.0	1,515	16.1	-16.0
A. DOMESTIC PRODUCTS					
Nitrogen	3,070	66.5	3,125	68.7	1.8
Phosphate	439	9.5	495	10.9	12.7
Potash	14	0.3	17	0.4	26.6
Total	3,523	76	3,636	79.9	3.2
B. IMPORTED PRODUCTS					
Nitrogen	338	7.3	290	6.4	-14.1
Phosphate	714	15.5	589	13.0	-17.5
Potash	40	0.9	33	0.7	-17.2
Total	1,092	24	912	20.1	-16.5
C. TOTAL PRODUCTS					
Nitrogen	3,408	73.9	3,415	75.1	0.2
Phosphate	1,153	25.0	1,084	23.8	-6.0
Potash	53.2	1.2	50.2	1.1	-6.0
Total	4,614	100.0	4,549	100	-1.4

3.4 Province-wise Urea and DAP offtake during 2019-20

Urea accounted for the largest share of 64.1 per cent in total product offtake in the country (Table 5). Its offtake increased by 0.8 per cent at national level over the year 2018-19. Urea offtake decreased by 0.7 per cent in Punjab and 1.9 per cent in Sindh. Its offtake increased by 12.9 per cent in KP and 39.8 per cent in Balochistan (Table 6).

DAP offtake during 2019-20, decreased by 9.8 per cent at national level. DAP offtake decreased by 10.7 per cent in Punjab, 13.8 per cent in Sindh and 3.2 per cent in KP. Its offtake increased by 29.6 per cent in Balochistan during 2019-20 compared to last year 2018-19.

As far as provincial shares in urea offtake are concerned, Punjab share on five years average was 66.5, Sindh 25.9, KP 4.6 and Balochistan 3.0 per cent. DAP share of Punjab was 72.0 per cent, followed by Sindh 21.2, KP 3.6 and Balochistan 3.2 per cent respectively (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 2019-20, compared with last four 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 2019-20 compared with previous years

('000 tonnes)

Province	2015-16	2016-17	2017-18	2018-19	2019-20	Per cent change in 2019-20 over 2018-19	Provincial share (Average of 5 years) per cent
UREA							
Punjab	2,949	4,233	3,908	4,021	3,992	-0.7	66.5
Sindh	1271	1646	1504	1520	1491	-1.9	25.9
KP	251	323	227	250	282	12.9	4.6
Balochistan	87	171	185	180	251	39.8	3.0
AJK/FATA	-	-	0.23	0.19	0.1	-20.3	-
Total	4,558	6,372	5,825	5,970	6,015	0.8	100.0
Per cent change over previous year		39.8	-8.6	2.5	0.8		
DAP							
Punjab	1,296	1,723	1,779	1,563	1,395	-10.7	72.0
Sindh	415	462	495	490	422	-13.8	21.2
KP	70	84	86	75	73	-3.2	3.6
Balochistan	43	60	80	72	93	29.6	3.2
Total	1,823	2,329	2,440	2,200	1,984	-9.8	100.0
Per cent change over previous year		27.7	4.8	-9.8	-9.8		

4. SUPPLY/DEMAND SITUATION DURING 2019-20

The fertilizer availability/supply includes factory stocks, stocks at warehouses of both public and private sector, domestic production and imported products delivered from Karachi 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 2019-20

The year 2019-20 had an opening inventory of about 494 thousand nutrient tonnes. Domestic production was 3794 thousand nutrient tonnes, and imports were 890 thousand nutrient tonnes. Total availability was about 5178 thousand nutrient tonnes (Table 7). Total nutrient offtake during 2019-20 was 4549 thousand nutrient tonnes as compared to 4614 thousand nutrient tonnes in 2018-19 showing a decrease by 1.4 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 610 thousand tonnes (Table 7), which was higher as compared to previous year 2018-19. The month-wise per cent nutrient offtake as proportion of total supply is presented in Figure 2 (Table 8).

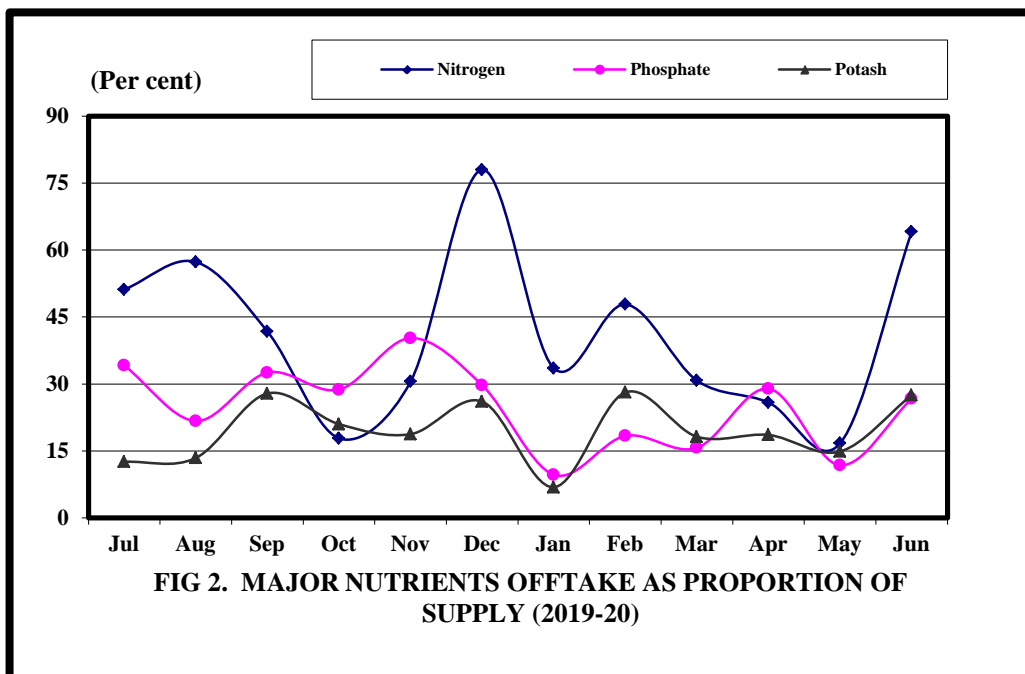


Table 7. Fertilizer supply/demand situation during 2019-20

Description	('000 tonnes)						
	Nitrogen	Phosphate	Potash	Total	Urea	DAP	Nitrophos
Opening Balance	203 (160)	268 (214)	23 (20)	494 (393)	178 (105)	504 (409)	77 (12)
Domestic production	3271 (3111)	506 (499)	17 (17)	3,794 (3,627)	6,176 (5,933)	737 (783)	650 (495)
Imports	288 (339)	578 (716)	24 (39)	890 (1,093)	101 (105)	1,211 (1,511)	- (14)
Total Availability	3,762 (3,609)	1,353 (1,429)	63 (76)	5,178 (5,114)	6,455 (6,144)	2,452 (2,702)	727 (521)
Offtake	3,415 (3,408)	1,084 (1,153)	50 (53)	4,549 (4,614)	6,015 (5,970)	1,984 (2,200)	578 (450)
Adjustments (+/-)	-13	-5	-1	-19	-27	5	15
National Inventory	334 (203)	264 (268)	12 (23)	610 (494)	413 (178)	474 (504)	164 (77)

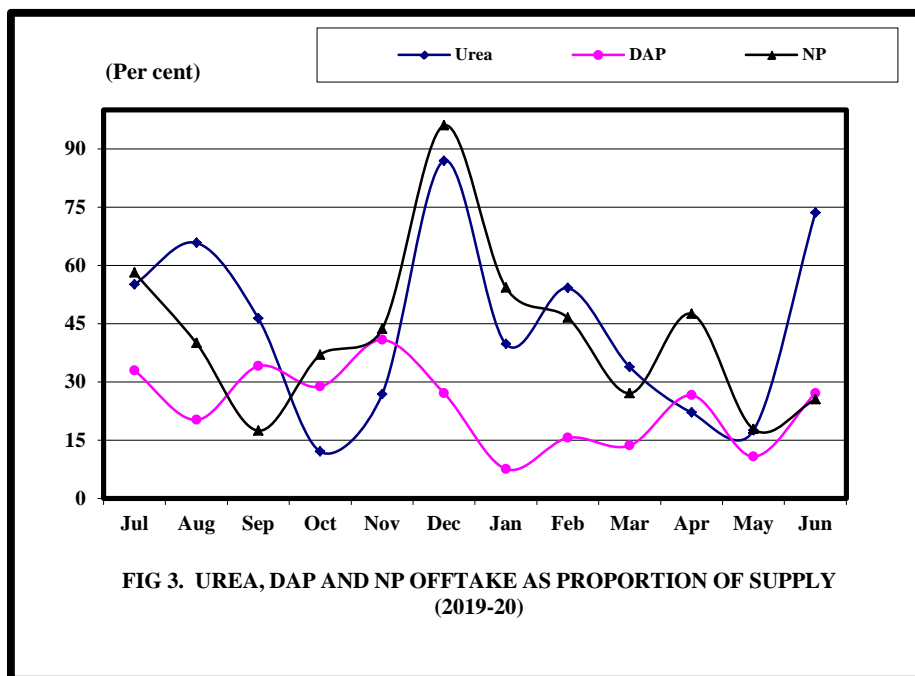
Note: Figures in parenthesis are for 2018-19.

Table 8. Total supply and offtake of fertilizer nutrients during 2019-20

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-19	553	331	26	283	113	3	51	34	13
Aug-19	575	279	26	329	60	4	57	22	13
Sep-19	560	327	28	234	107	8	42	33	28
Oct-19	692	489	24	123	141	5	18	29	21
Nov-19	882	501	21	270	202	4	31	40	19
Dec-19	878	363	18	685	108	5	78	30	26
Jan-20	439	294	18	147	28	1	34	10	7
Feb-20	541	298	22	259	55	6	48	18	28
Mar-20	566	311	20	174	49	4	31	16	18
Apr-20	674	308	19	174	89	4	26	29	19
May-20	803	305	18	134	36	3	17	12	15
Jun-20	937	359	17	601	96	5	64	27	28

4.2 Product-wise Urea, DAP and Nitrophos supply/demand situation during 2019-20

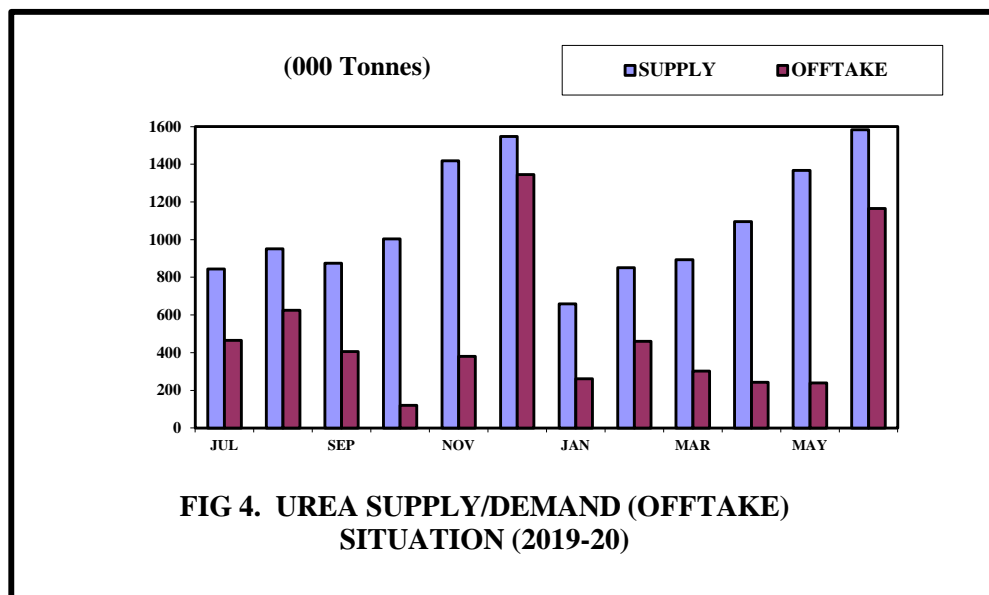
Urea, DAP and nitrophos are the most commonly used fertilizers among farming communities as source of nitrogen and phosphate. During 2019-20, urea share was 64.1 per cent, DAP 21.1 per cent, CAN 5.3 per cent and nitrophos 6.2 per cent (Table 5). The offtake of these products as proportion of supply is presented in Figure 3.



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

4.2.1 Urea supply/demand situation during 2019-20

The year 2019-20 started with 178 thousand tonnes of urea opening stock, which is below the level of satisfactory. Domestic production was about 6176 thousand tones. Imported supplies comprised of 101 thousand tonnes. The total availability of urea was therefore, 6455 thousand tonnes (Table 7). Total urea offtake was 6015 thousand tonnes, which witnessed an increase of 0.8 per cent over 2018-19. To cater the market demand, 101 thousand tonnes of urea was imported. Urea offtake as proportion of supply crossed 80 per cent mark during December, 2019 (Figure-3), which reflects tight situation. The closing stock at the end of 2019-20, was 413 thousand tonnes, which is a comfortable opening inventory for the year 2020-21.

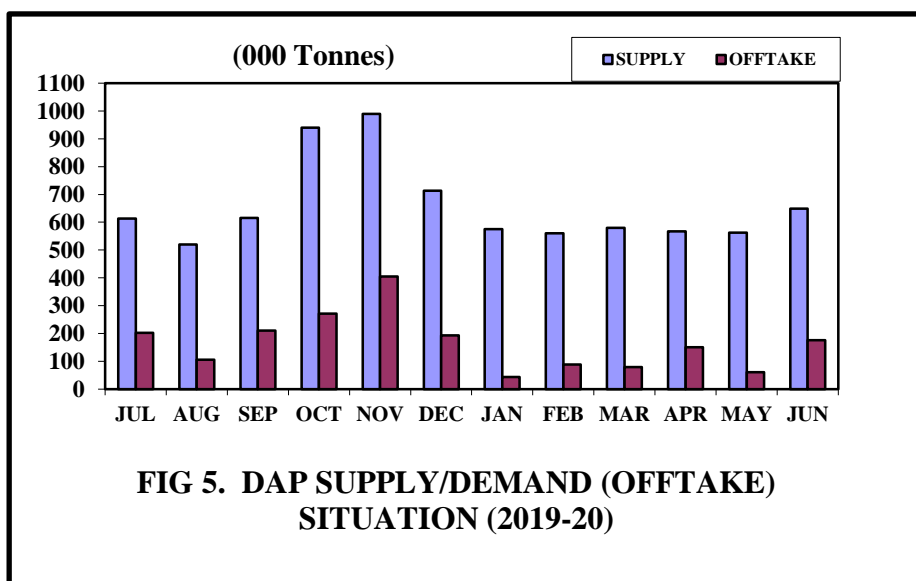


The summarized data are presented in Table 7 and 9. Urea offtake during 2019-20 compared with the last five years is at Annex-6. Monthly supply and demand situation is shown graphically in Figure 4.

4.2.2 DAP supply/demand situation during 2019-20

The year 2019-20 had an opening inventory of 504 thousand tonnes of DAP. Imports were about 1211 thousand tonnes (1511 thousand tonnes during 2018-19). Domestic production was 737 thousand tonnes. The total availability of DAP was therefore about 2452 thousand tonnes (Table 7). Total DAP offtake was 1984 thousand tonnes as compared to 2200 thousand tonnes during 2018-19, representing a decrease of 9.8 per cent over 2018-19. The closing stock at the end of the year was 474 thousand tonnes, reflecting a comfortable inventory for next year.

The summarized data are shown in Table 7 and 9. Month-wise situation is given in Figure 5 and supply/demand situation during 2019-20 at Annexes 10 and 11. Monthly supply/demand situation of DAP is shown graphically in Figure 5.



4.2.3 Nitrophos supply/demand situation during 2019-20

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 small quantities are imported by private sector. Nitrophos offtake was 578 thousand tonnes during 2019-20, which was more than previous year level. Total availability of nitrophos during 2019-20 was 727 thousand tonnes compared to 521 thousand tonnes during previous year due to resumption of production by Pak Arab.

The summarized data are shown in Table 7 and 9. Month-wise supply/demand situation during the year 2019-20 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 2019-20

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-19	845	613	126	465	202	73	55	33	58
Aug-19	950	520	103	625	105	41	66	20	40
Sep-19	874	616	108	405	210	19	46	34	17
Oct-19	1,004	941	126	121	271	47	12	29	37
Nov-19	1,418	990	105	381	404	46	27	41	44
Dec-19	1,548	713	76	1,345	193	73	87	27	96
Jan-20	658	575	60	262	44	32	40	8	54
Feb-20	850	561	100	460	88	46	54	16	47
Mar-20	893	580	123	303	79	33	34	14	27
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

4.3 Fertilizer use (nutrients) per hectare of cropped area during 2019-20

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 2019-20 decreased to 194 kg/ha, compared to 197 kg/ha during 2018-19 (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., 299 kg/ha (312 kg/ha during 2018-19), followed by Punjab at 182 kg/ha (187 kg/ha during 2018-19), KP 106 kg/ha (96 kg/ha during 2018-19) and Balochistan 182 kg/ha (132 kg/ha during 2018-19).

Table 10. Fertilizer use status during 2019-20

Province	Cropped Area (million ha)	Total consumption 2019-20 (000 tons)				Nutrients Use rate during 2019-20 (Kg/ ha)			
		Nitrogen	Phosphate	Potash	Total	Nitrogen	Phosphate	Potash	Total
Punjab	16.93	2,290	752	38	3,080	135	44	2.3	182
Sindh	3.60	832	238	7	1,077	231	66	2.0	299
KP	1.86	151	44	3	197	81	24	1.5	106
Balochistan	1.06	142	50	2	193	134	47	1.7	182
AJK/Gilgit Baltistan	-	0.1	0.1	-	0.2	-	-	-	-
Total	23.45	3,415	1,084	50	4,549	146	46	2.1	194

4.4 District-wise fertilizer offtake during 2019-20

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 40 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 17 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 63 districts with fertilizer offtake above 100 kg nutrients per hectare. Out of these, 26 districts belong to Punjab, followed by Sindh (21 districts), KP (6 districts) and Balochistan (10 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 2019-20

Fertilizer Nutrient use Rate	Number of Districts				Pakistan
	Punjab	Sindh	KP	Balochistan	
i. Upto 50 kg/h	5	1	18	16	40
ii. 50-100 kg/h	6	1	6	4	17
iii. Above 100 kg/h	26	21	6	10	63
Total	37	23	30	30	120

4.5 Fertilizer Subsidy

In order to provide fertilizers to farming community at affordable price, Government has reduced General Sales Tax to 2 per cent for all type of fertilizers. Following were different type of subsidies in fertilizer sector during 2019-20.

1. Subsidy in the form of cheap feed gas for fertilizer production (Rs. 865 per bag of urea).
2. Subsidy on imported urea (Rs. 1,194 per bag).
3. Subsidized LNG for production of urea from FatimaFert and Agritech (Rs. 974 per bag).
4. Provincial Government of Punjab is providing subsidy at following rates. DAP 500, NP and SSP 200, SOP 800, MOP 500, NPK 300 (Rs. per bag).

5. FERTILIZER AVAILABILITY DURING KHARIF 2019

5.1 Domestic production

Domestic production of all fertilizer products during Kharif 2019 (April-September) was about 4,266 thousand product tonnes, which was 678 thousand tonnes more than Kharif 2018. In nutrient terms, a total quantity of 1,988 thousand tonnes was produced by the domestic industry.

Of the total domestic production, nitrogen was 1705 thousand tonnes, which accounted for 85.8 per cent (85.7 per cent in Kharif 2018). Phosphate production was 274 thousand tonnes, which captured a share of 13.8 per cent (14.0 per cent in Kharif 2018) and potash had just 0.5 per cent share (Table 12).

Urea production during Kharif 2019 remained at a level of about 3265 thousand tonnes (2699 thousand tonnes during Kharif 2018). DAP Production was 443 thousand tonnes, which increased (18.2 per cent) than that of Kharif 2018. Production of nitrophos increased by 17.2 per cent, while that of CAN decreased by 1.5 per cent, and SSP production decreased by 29.5 per cent.

Of the seven fertilizer products produced in the country, share of urea in Kharif 2019 was 76.5 per cent (75.2 per cent in Kharif 2018), followed by DAP 10.4 per cent (10.5 per cent in Kharif 2018), NP 6.3 per cent (6.3 per cent in Kharif 2018), CAN 5.3 per cent (6.4 per cent in Kharif 2018), SSP 0.5 per cent (0.9 per cent in Kharif 2018), various grades of NPKs 1.0 per cent (0.7 per cent in Kharif 2018) and SOP 0.1 per cent. Tonnage-wise, the domestic industry produced the following quantities during Kharif 2019: Urea 3265, CAN 225, NP 267, DAP 443, SSP 22 SOP 3 and NPK's (various grades) 41 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 2018 and 2019

Products	Manufacturer	Kharif 2018		Kharif 2019		Per cent change in Kharif 2019 over Kharif 2018
		Production ('000 t)	Per cent share	Production ('000 t)	Per cent share	
PRODUCTS						
UREA	Fatima Fert. (DHCL)	0	0.0	249	5.8	-
UREA	EFERT	843	23.5	1008	23.6	19.6
UREA (PFL)	PAK ARAB	-	-	-	-	-
UREA (PAFL)	Agritech	4	0.1	200	4.7	-
UREA (PRILLED)	FFC	853	23.8	866	20.3	1.6
UREA (GRANULAR)	FFC	316	8.8	319	7.5	1.1
UREA (PSFL)	FFC	433	12.1	420	9.8	-3.1
UREA	Fatima	250	-	202	4.7	-19.1
UREA	TOTAL	2,699	75.2	3265	76.5	20.9
CAN(PAR)	PAK ARAB	0	0.0	0	0.0	0.0
CAN	Fatima	229	6.37	225	5.3	-1.5
CAN	TOTAL	229	6.4	225	5.3	-1.5
NP (PAR)	PAK ARAB	0	0.0	0	0.0	-
NP	EFERT	24	0.7	31	0.7	26.7
NP	Fatima	203	0.0	236	5.5	16.1
NP	TOTAL	227	6.3	267	6.3	17.2
DAP - SONA	FFC	375	10.5	443	10.4	18.2
SSP (J.WAL 18%)	AL-HAMD	-	-	-	-	-
SSP(H.PUR 18%)	Agritech	28	0.8	14	0.3	-47.6
SSP	Suraj Fertilizers	4	-	8	0.18	111.5
SSP	TOTAL	31	0.9	22	0.5	-29.5
SOP	Pacific	-	-	3	0.1	-
NPK (Various Grades)	EFERT	27	0.7	41	1.0	53.5
NPK (2:20:3)	Safi Chemicals	-	-	-	-	-
ALL PRODUCTS	TOTAL	3,588	100.0	4,266	100.0	18.9
NUTRIENTS						
	NITROGEN	1423	85.7	1705	85.8	19.8
	PHOSPHATE	232	14.0	274	13.8	17.9
	POTASH	5	0.3	9	0.5	88.6
	TOTAL	1,660	100	1988	100	19.7

5.2 Fertilizer imports during Kharif 2019

Seven products such as Urea, DAP, AS, SSP, SOP, MOP and MAP were imported during Kharif 2019. Fertilizer imports were 532 thousand product tonnes, which witnessed a decrease of 52.6 per cent, over Kharif 2018 (Table 13).

The share of DAP in total imports was 62 per cent. DAP imports were 330 thousand tonnes (1063 thousand tonnes during Kharif 2018). Total imports in terms of nutrients were 294 thousand tonnes, which witnessed a decrease of 58 per cent. Volumes of imported fertilizer during Kharif 2019 comprised: Urea 101, DAP 330, SOP 21, MOP 9, AS 51, SSP 7 and MAP 14 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 2018 and 2019

('000 tonnes)

Products	Kharif 2018		Kharif 2019		Per cent change in Kharif 2019 Over Kharif 2018
	Imports ('000t)	Per cent share	Imports ('000t)	Per cent share	
PRODUCTS					
UREA	-	-	101	19	-
DAP	1063	94.7	330	62	-69
SSP	11	1.0	7	1.2	-41
SOP	22	2.0	21	4	-6
MOP	15	1.3	9	2	-41
AS	11	1	51	9.5	375
MAP	-	-	14	2.7	-
All Products	1,122	100	532	100	-52.6
NUTRIENTS					
Nitrogen	194	27	118	40	-39
Phosphate	491	70	160	54	-67
Potash	20	3	16	5	-21
Total	705	100	294	100	-58

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

6. FERTILIZER OFFTAKE/CONSUMPTION DURING KHARIF 2019

6.1 Fertilizer offtake by nutrients

The overall fertilizer nutrient offtake during Kharif 2019 witnessed a significant increase of 5.7 per cent over previous season i.e., from 2135 thousand nutrient tonnes in 2018 to 2257 thousand nutrient tonnes in 2019 (Table 14). Nitrogen offtake increased by 4.3 per cent while phosphate offtake increased by 11.7 per cent. Potash offtake witnessed a decrease of 14.5 per cent.

Nitrogen captured 75.5 per cent share in total nutrient offtake during Kharif 2019 (76.5 per cent during Kharif 2018). Phosphate claimed 23.6 per cent share (22.3 per cent during Kharif 2018) while the potash share was 1.0 per cent.

Aggregated data are given in Table 14, Annex-17 and the monthly nutrient offtake of Kharif 2019 compared with the last five seasons are shown in Annex-3.

Table 14 Fertilizer nutrient offtake during Kharif 2019 compared with previous seasons

('000 tonnes)					
Nutrient	2015	2016	2017	2018	2019
Nitrogen	1312	1512	1849	1633	1703
Phosphate	246	402	544	476	532
Potash	11	12	24	26	22
Total	1,569	1,926	2,416	2,135	2,257
N:P Ratio	5.34	3.76	3.40	3.43	3.20
(% change)					
Nitrogen		15	22	-12	4.3
Phosphate		63	35	-12	11.7
Potash		16	92	10	-14.5
Total		22.8	25.4	-11.7	5.7

6.2 Province-wise nutrient offtake

At national level, overall nutrient offtake during Kharif 2019 increased by 5.7 per cent compared with last Kharif 2018. Province-wise increase in nutrient offtake was: Punjab 7.3 per cent, KP 14.9 and Balochistan 29.8 per cent over last Kharif 2018. Nutrient offtake in Sindh decreased by 2.7 per cent.

The increase in nitrogen offtake at national level during Kharif 2019 was 4.3 per cent as compared to last Kharif. On provincial basis an increase of 7.7 per cent in Punjab, 14.6 per cent in KP and 21.0 Per cent in Balochistan was recorded during Kharif 2019 as compared with Kharif 2018. Nitrogen offtake decreased by 7.2 per cent in Sindh.

Phosphate offtake increased by 11.7 per cent at national level compared with Kharif 2018. This included increases of 7 per cent in Punjab, 18 per cent in Sindh and KP each and 65 per cent in Balochistan.

In overall nutrient offtake based on five years average, share of Punjab during Kharif was 67 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 2019 compared with last four seasons are presented in Annex-4.

Table 15. Province-wise nutrient offtake during Kharif 2019 compared with previous seasons

('000 tonnes)

Province	Kharif 2015	Kharif 2016	Kharif 2017	Kharif 2018	Kharif 2019	Percent change in Kharif 2019 over Kharif 2018	Provincial share (%) 5 years basis
Total							
Punjab	1023	1,238	1,661	1,451	1,557	7.3	67
Sindh	414	523	592	544	529	-2.7	25
KP	86	106	89	80	92	14.9	4
Balochistan	47	59	74	60	78	29.8	3
AJK/FATA	-	-	0.3	0.1	0.4	-	0.01
Total	1,569	1,926	2,416	2,135	2,257	5.7	100
Percent Change Over Previous Year		22.8	25.4	-11.7	5.7		
Nitrogen							
Punjab	854	964	1,258	1,085	1,168	7.7	67
Sindh	351	422	473	439	408	-7.2	26
KP	70	86	69	62	71	14.6	4
Balochistan	37	39	49	46	56	21.0	3
AJK/FATA	-	-	0.2	0.1	0.2	86.8	0.01
Total	1,312	1,512	1,849	1,633	1,703	4.3	100
Percent Change Over Previous Year		15.2	22.3	-11.7	4.3		
Phosphate							
Punjab	162	264	386	346	371	7	70
Sindh	60	99	114	101	119	18	22
KP	14	19	19	17	20	18	4
Balochistan	9	19	24	13	22	65	4
AJK/FATA	-	-	0.2	-	0.1	-	0.01
Total	246	402	544	476	532	11.7	100
Percent Change Over Previous Year		63.4	35.3	-12.4	11.7		
Potash							
Punjab	7.0	9.5	17.7	19.8	17.6	-11	76
Sindh	2.2	1.7	4.2	3.8	2.8	-26	16
KP	0.8	0.6	0.9	1.3	1.2	-10	5
Balochistan	0.6	0.5	0.8	1.0	0.6	-46	4
AJK/FATA	-	-	-	-	-	0	0
Total	11	12	24	25.96	22.20	-14.5	100
Percent Change Over Previous Year		16	92	10	-14.5		

6.3 Fertilizer offtake/use by product

During Kharif 2019, a total of about 4656 thousand product tonnes were consumed as compared to 4462 thousand tonnes during Kharif 2018 reflecting an increase of 4.4 per cent. Urea, DAP and Nitrophos constituted 92 per cent of total products consumed. The domestic nutrient offtake increased by 7.2 per cent, while imported fertilizers nutrient offtake decreased by 0.5 per cent over Kharif 2018.

Among the various products, Urea captured 64.9 per cent share in total fertilizer offtake, followed by DAP with 20.9 per cent. The shares of CAN, NP and SSP were 4.7, 6.2 and 0.6 per cent, respectively. The cumulative share of remaining products was 2.5 per cent (Figure 6). Urea offtake increased by 4.7 per cent and DAP offtake by 8.1 per cent as compared to Kharif 2018. The share of domestic products in total fertilizer offtake was 84.7 per cent (84.8 per cent during Kharif 2018), while that of imported fertilizer accounted for 15.3 per cent (15.2 per cent during Kharif 2018). The consolidated product-wise fertilizer offtake during Kharif 2018 and Kharif 2019 is presented in Table 16 and detailed month and product-wise offtake is presented in Annex-10 and consolidated in Annex-16.

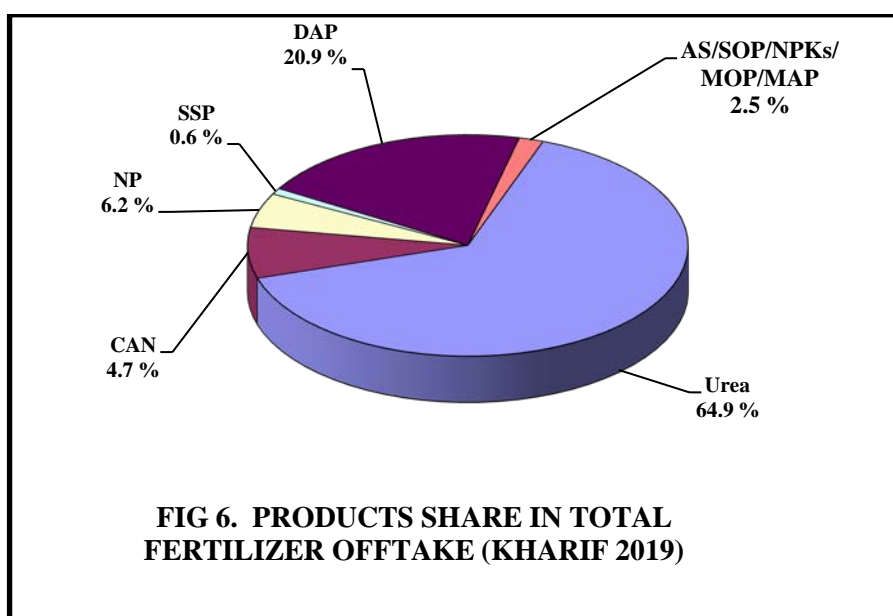


Table 16. Product-wise fertilizer offtake during Kharif 2018 and 2019

('000 tonnes)

Products	Kharif 2018	Per cent Share	Kharif 2019	Per cent Share	Per cent change in Kharif 2019 over 2018
Urea Imported	-	-	68	1.5	-
Urea domestic	2887	64.7	2956	63.5	2.4
Total Urea	2,887	64.7	3,024	64.9	4.7
CAN domestic	330	7.4	221	4.7	-33
NP domestic	227	5.1	290	6.2	28.0
NP Imported	-	-	1	0.02	-
SSP Imported	9	0.20	11	0.23	-
SSP domestic	31	0.7	19	0.4	-39
DAP domestic	278	6.2	417	9.0	50
DAP Imported	623	14.0	557	12.0	-11
Total DAP	901	20.2	974	20.9	8.1
TSP Imported	-	-	-	-	-
SOP Domestic	-	-	5	0.1	-
SOP Imported	21	0.5	11	0.2	-48
NPK's domestic	30	0.7	36	0.8	17
MOP Imported	17	0.4	13	0.3	-20
MAP Imported	-	-	17	0.4	-
AS Imported	9	0.2	35	0.7	-
Grand Total	4,462	100.0	4656	100.0	4.4
Total domestic	3,783	84.8	3943	84.7	4.2
Total Imported	679	15.2	713	15.3	5.0
A. DOMESTIC PRODUCTS					
Nitrogen	1518	71.1	1562	69.2	2.9
Phosphate	188	8.8	265	11.7	41.0
Potash	5	0.3	9	0.4	61.1
Total	1,712	80.2	1835	81.3	7.2
B. IMPORTED PRODUCTS					
Nitrogen	114	5.3	140	6.2	23.2
Phosphate	288	13.5	267	11.8	-7.4
Potash	21	1.0	14	0.6	-34.5
Total	423	19.8	421	18.7	-0.5
C. TOTAL PRODUCTS					
Nitrogen	1633	76.5	1703	75.5	4.3
Phosphate	476	22.3	532	23.6	11.7
Potash	26	1.2	22.2	1.0	-14.6
Total	2,135	100.0	2256	100.0	5.7

6.4 Province-wise urea and DAP offtake / consumption during Kharif 2019

Urea offtake during Kharif 2019 exhibited an increase of 4.7 per cent over Kharif 2018 at national level. Increase of 10.0, 11.3 and 13.5 per cent were observed in Punjab, KP and Balochistan respectively, while decrease of 9.4 per cent was recorded in Sindh (Table 17).

At national level, DAP offtake also witnessed an increase of 8.1 per cent. Increases of 5.3 per cent in Punjab, 10.0 per cent in Sindh, 8.0 per cent in KP and 67.7 per cent in Balochistan were experienced during Kharif 2019 over Kharif 2018.

The share of Punjab in urea offtake on five years basis was 65.6 per cent, Sindh 26.8, KP 4.8 and Balochistan 2.8 per cent. As regards DAP offtake on provincial basis, Punjab's share was 69.7 per cent, Sindh 22.1, KP 3.9 and Balochistan 4.2 per cent.

Province-wise summary in respect of urea and DAP offtake during Kharif 2019 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 2019 compared with previous seasons

Province	Kharif 2015	Kharif 2016	Kharif 2017	Kharif 2018	Kharif 2019	Percent change in Kharif 2019 over Kharif 2018	Provincial share (Average 5 years) Per cent
UREA							
Punjab	1,565	1,693	2,173	1,871	2,059	10.0	65.6
Sindh	649	780	847	811	735	-9.4	26.8
KP	138	167	131	119	132	11.3	4.8
Balochistan	72	64	83	86	98	13.5	2.8
AJK/FATA	0	0	0	0.1	0.2	-	0
Total	2,424	2,703	3,234	2,887	3,024	4.7	100
Per cent change over previous year		11.5	19.6	-10.7	4.7		
DAP							
Punjab	264	453	707	657	692	5.3	69.7
Sindh	105	177	204	187	206	10.0	22.1
KP	25	31	33	32	35	8.0	3.9
Balochistan	19	35	48	25	42	67.7	4.2
Total	413	697	993	901.0	974	8.1	100.0
Per cent change over previous year		68.7	42.4	-9.2	8.1		

7. SUPPLY/DEMAND SITUATION DURING KHARIF 2019

7.1 Nutrient-wise supply/demand situation during Kharif 2019

The opening stock for Kharif 2019 was about 544 thousand nutrient tonnes. Total supply, based on opening stock, domestic production and imports was 2826 thousand nutrient tonnes, which was 96 thousand tonnes more than that of Kharif 2018 (Table 18).

Total offtake during the season under review was 2257 thousand nutrient tonnes which witnessed an increase by 5.7 per cent compared with 2018. Nitrogen offtake as proportion of supply was well below 80.0 per cent mark from April to September 2019, which is a reflection of satisfactory situation (Table 19, Figure 7). Phosphate offtake also did not exceed 34 per cent, which is indicative of comfortable situation. The closing stock was about 567 thousand tonnes. The data are summarized in Table 18 and the month-wise nutrient supply/demand situation during Kharif 2019 may be seen in Annex-8. Month and nutrient-wise availability, its offtake, and offtake as proportion of availability are given in Table 19.

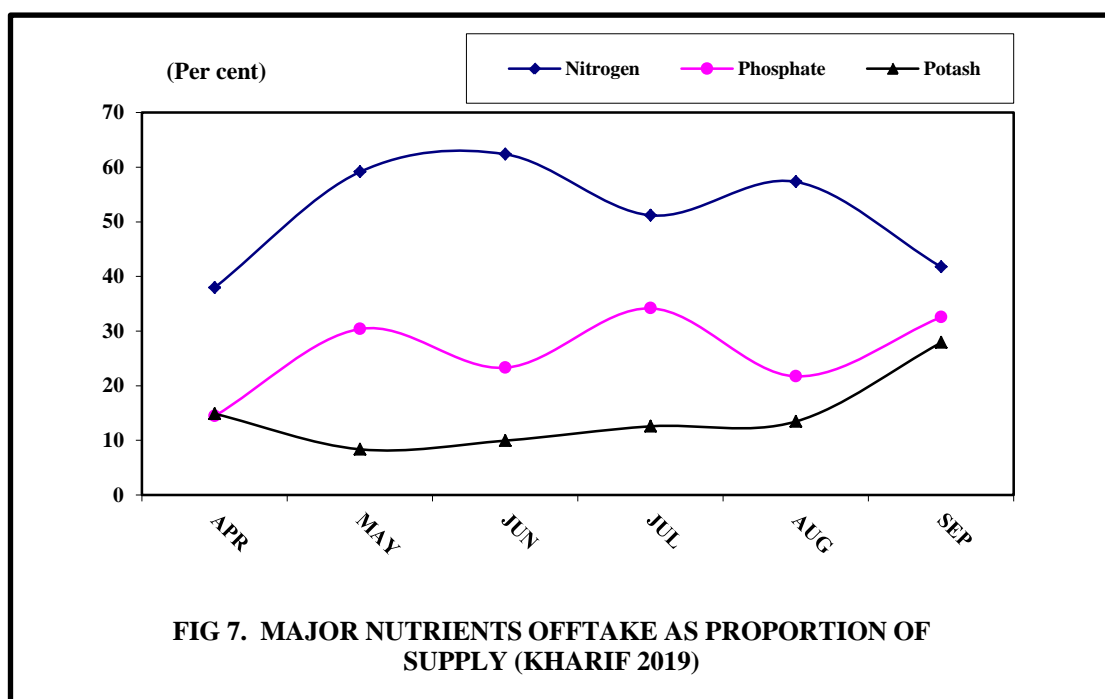


FIG 7. MAJOR NUTRIENTS OFFTAKE AS PROPORTION OF SUPPLY (KHARIF 2019)

Table 18. Nutrient Wise Supply/Demand situation during Kharif 2019

Description	(’000 Tonnes)						
	Nitrogen	Phosphate	Potash	Total	Urea	DAP	Nitrophos (NP)
Opening Balance	207	320	17	544	135	602	107
	(233)	(118)	(14)	(365)	(316)	(196)	(30)
Domestic production	1,705	274	9	1,988	3,265	443	267
	(1,423)	(232)	(5)	(1,660)	(2,699)	(375)	(227)
Imports	118	160	16	294	101	330	-
	(194)	(491)	(20)	(705)	-	(1,063)	-
Total Availability	2,030	754	42	2,826	3,501	1,376	374
	(1,850)	(841)	(39)	(2,730)	(3,015)	(1,634)	(257)
Offtake	1,703	532	22	2,257	3,024	974	291
	(1,633)	(476)	(26)	(2,135)	(2,887)	(901)	(227)
Export	-	-	-	-	-	-	-
	-	-	-	-	-	-	-
Adjustment (+)(-)	-1	-1	-1	-2	-8	3	7
	(-7)	(-2)	(0.12)	(-9)	(-13)	(-1)	(5)
National Inventory	327	221	19	567	470	405	89
	(211)	(363)	(13)	(587)	(115)	(732)	(36)

Note: Figures in parenthesis are for Kharif 2018. Quantities less than one thousand are not given in this Table. Small variations may be due to rounding of figures.

Table 19. Total supply and offtake of fertilizer nutrients during Kharif 2019

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-19	471	380	22	179	55	3	38	14	15
May-19	575	383	23	340	116	2	59	30	8
Jun-19	541	347	25	337	81	2	62	23	10
Jul-19	553	331	26	283	113	3	51	34	13
Aug-19	575	279	26	329	60	4	57	22	13
Sep-19	560	327	28	234	107	8	42	33	28

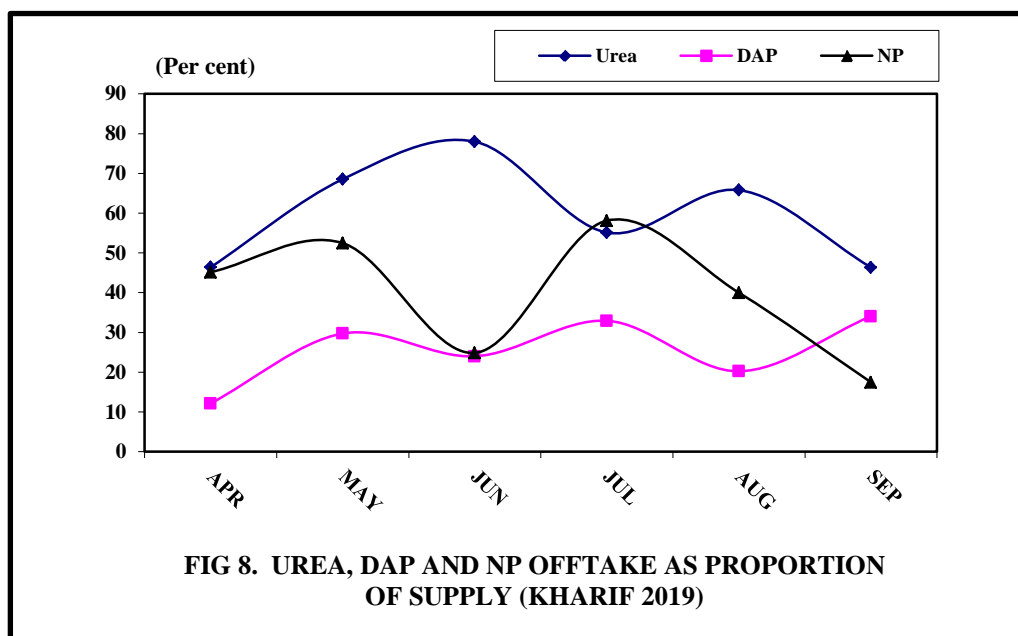
7.2 Urea supply/demand situation during Kharif 2019

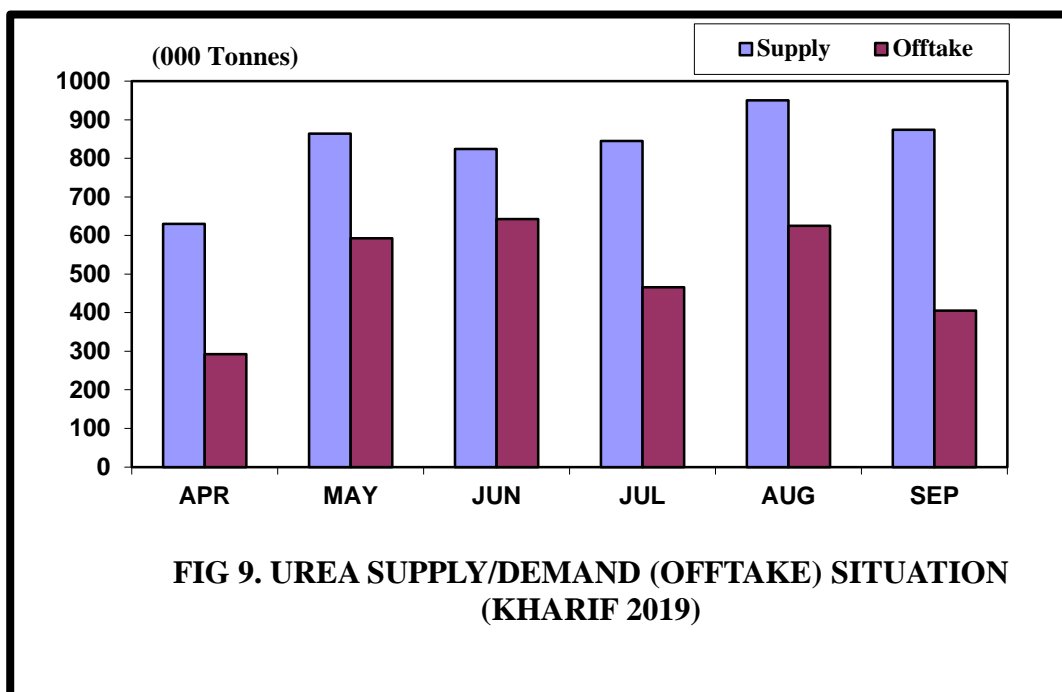
Kharif 2019 opened with a balance of about 135 thousand tonnes of urea. Domestic production was 3265 thousand tones, thereby making total availability of 3501 thousand tonnes.

Table 20. Total supply and offtake of principal products during Kharif 2019

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-19	630	709	143	292	86	65	46	12	45
May-19	864	716	129	593	213	68	69	30	52
Jun-19	824	657	102	643	158	25	78	24	25
Jul-19	845	613	126	465	202	73	55	33	58
Aug-19	950	520	103	625	105	41	66	20	40
Sep-19	874	616	108	405	210	19	46	34	17

Total urea offtake was about 3024 thousand tonnes, representing an increase of 4.7 per cent over Kharif 2018 (Table 17). Urea offtake as proportion of supply during Kharif 2019 did not exceed 80 per cent mark which reflect comfortable situation (Table 20). Closing balance of Kharif 2019 for urea was 470 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 2019 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 are presented in Annex-10. Consolidated supply/demand situation is shown in Annex-18.

7.3 DAP supply/demand situation during Kharif 2019

Total availability of DAP was 1376 thousand tonnes which comprised opening inventory of 602 thousand tonnes, domestic production of 443 thousand tonnes and imports of 330 thousand tonnes. Offtake of DAP remained 974 thousand tonnes during Kharif 2019. DAP offtake in proportion to supply remained below 70 per cent mark. The closing stock worked out was 405 thousand tonnes at the end of Kharif 2019 (Table 18 and 20).

DAP offtake during Kharif 2019 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 2019

With the opening stock of 107 thousand tonnes and domestic production of 267 thousand tonnes, total availability during Kharif 2019 was 374 thousand tonnes. Total offtake remained 291 thousand tonnes. The closing stock was 89 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.

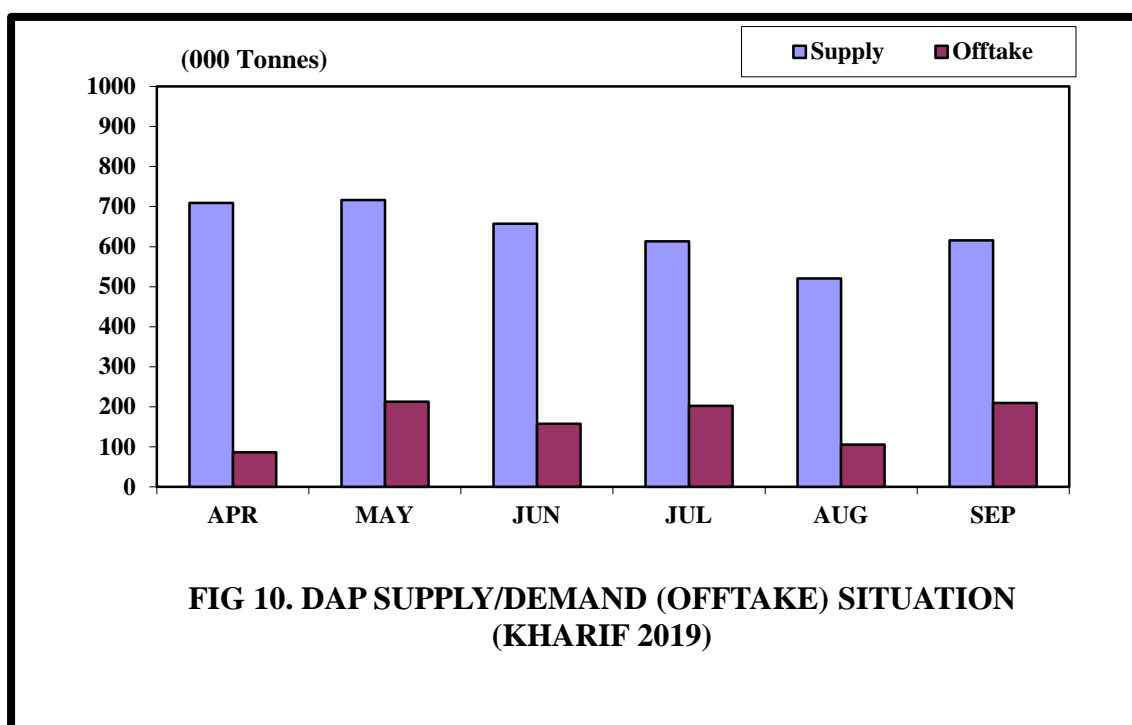


FIG 10. DAP SUPPLY/DEMAND (OFFTAKE) SITUATION (KHARIF 2019)

8. FERTILIZER AVAILABILITY DURING RABI 2019-20

8.1 Domestic production

During Rabi 2019-20 (October–March), the domestic industry produced about 3912 thousand product tonnes or 1802 thousand nutrient tonnes (3855 thousand product tonnes or 1780 thousand nutrient tonnes in Rabi 2018-19) showing an increase of 1.5 per cent in product terms and 1.3 per cent in nutrient terms compared with Rabi 2018-19. Nitrogen production was 1571 thousand tonnes (1532 thousand nutrient tonnes during Rabi 2018-19) showing an increase of 2.5 per cent. Phosphate production decreased by 6.5 per cent. Nitrogen occupied 87.1 per cent share in total domestic production, while phosphate accounted for 12.4 per cent share.

Of the seven fertilizer products produced in the country, the share of urea in the total production during Rabi 2019-20 was 76.9 per cent (75.9 per cent in Rabi 2018-19) followed by DAP 8.3 per cent (9.1 per cent during Rabi 2018-19), CAN 6.1 per cent (5.9 per cent during Rabi 2018-19), NP 6.9 per cent (6.6 per cent in Rabi 2018-19), , SSP 0.7 per cent (1.2 per cent during Rabi 2018-19) and NPK's of various grades 0.9 per cent (1.2 per cent during Rabi 2018-19). Urea production was 3009 thousand product tonnes during Rabi 2019-20, showing an increase of 2.9 per cent over previous season 2018-19. The production of SSP decreased by 38.4 per cent while, that of DAP decreased by 8.0 per cent. The production of NP increased by 5.3 per cent. Tonnage-wise, the domestic industry produced the following quantities in thousand tonnes during Rabi 2019-20: Urea 3009, DAP 324, NP 269, CAN 240, SSP 29, various grades of NPK's 37 and SOP 4 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 2018-19 and 2019-20

Products	Manufacturer	Rabi 2018-19 Production ('000 t)	Per cent share	Rabi 2019-20 Production ('000 t)	Per cent share	Per cent change in Rabi 2019-20 over Rabi 2018-19
PRODUCTS						
UREA	Fatimafert (DHCL)	200	5.2	86	2.2	-57.2
UREA	EFERT	919	23.9	1128	28.8	22.8
UREA(PFL)	PAK ARAB	-	-	2	0.1	-
UREA(PAFL)	Agritech	164	4.3	65	1.7	-60.3
UREA (PRILLED)	FFC	786	20.4	859	22.0	9.3
UREA (GRANULAR)	FFBL	198	5.1	234	6.0	18.2
UREA (PSFL)	FFC	433	11.2	420	10.7	-3.0
UREA	Fatima	223	5.8	214	5.5	-4.2
UREA	TOTAL	2,923	75.9	3009	76.9	2.9
SSP (J. WAL 18%)	LCFL	-	-	-	-	-
SSP (H. PUR 18%)	Agritech	35	0.9	24	0.6	-29.9
SSP	Suraj Fertilizers	13	0.3	4	0.1	-68
SSP	Safi Chemicals	-	-	1	0.02	-
SSP	TOTAL	47	1.2	29	0.7	-38.4
NP	PAK ARAB	-	-	70	1.8	-
NP	EFERT	35	0.9	21	0.5	-39.3
NP	Fatima	220	5.7	177	4.5	-19.6
NP	TOTAL	255	6.6	269	6.9	5.3
CAN	PAK ARAB	-	-	62	1.6	-
CAN	Fatima	228	5.9	177	4.5	0.0
CAN	TOTAL	228	5.9	240	6	5.3
SONA-DAP	FFC	352	9.1	324	8.3	-8.0
SOP	Pacific Exim Pvt Ltd	3	0.09	4	0.1	-
NPK (Various Grades)	EFERT	46	1.2	37	0.9	-18.4
NPK (Various Grades)	Safi Chemicals	-	-	-	-	-
ALL PRODUCTS	TOTAL	3,855	100	3,912	100.0	1.5
NUTRIENTS						
	Nitrogen Total	1532	86.0	1571	87.1	2.5
	Phosphate Total	239	13.4	223	12.4	-6.5
	Potash Total	10	0.6	9	0.5	-11.6
	Nutrients Total	1780	100	1802	100	1.3

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

8.2 Fertilizer imports during Rabi 2019-20

Fertilizer imports during Rabi 2019-20 were about 919 thousand tonnes which represented increase of 2.1 per cent compared with Rabi 2018-19. In nutrient terms, 575 thousand nutrient tonnes were imported which was 8 per cent more than that of previous Rabi season.

Nitrogen and phosphate imports occupied 27.9 and 69.8 per cent share in the total imports, respectively. Volumes of imported fertilizer during Rabi 2019-20 comprised DAP 848, MOP 15, SOP 8, AS 25 and MAP 22 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 2018-19 and 2019-20

('000 tonnes)

Products	Rabi 2018-19		Rabi 2019-20		Per cent change in Rabi 2019-20 Over Rabi 2018-19
	Imports ('000t)	Per cent share	Imports ('000t)	Per cent share	
PRODUCTS					
Urea	105	11.7	0	0	0
DAP	679	75.5	848	92	25
SSP	9	1.0	-	-	-100
SOP	22	2.5	8	0.9	-64
MOP	15	1.7	15	1.68	1
NP	14	1.6	-	-	-100
AS	32	3.6	25	2.7	-22
MAP	23	-	22	2.4	-4
All Products	900	97	919	100	2.1
NUTRIENTS					
Nitrogen	183	34.4	160	27.9	-12
Phosphate	328	61.8	401	69.8	22
Potash	20	3.8	13	2.3	-35
Total	531	100	575	100	8

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

9. FERTILIZER OFFTAKE/CONSUMPTION DURING RABI 2019-20

9.1 Fertilizer offtake/use by nutrients

Rabi 2019-20 showed a decrease of 3.9 per cent in terms of nutrient offtake over last Rabi 2018-19 (Table 23). Total offtake was 2266 thousand nutrient tonnes. Nitrogen offtake showed a decrease by 4.0 per cent (3.1 per cent decrease during Rabi 2018-19), phosphate decreased by 3.6 per cent (17.7 per cent decrease during Rabi 2018-19), and potash offtake decreased by 4.1 per cent (10.7 per cent decrease in Rabi 2018-19). Nitrogen claimed 73.2 per cent share in total nutrient offtake (73.3 per cent during Rabi 2018-19). Phosphate offtake captured 25.7 per cent share (25.6 per cent during Rabi 2018-19), while potash share remained 1.1 per cent during Rabi 2019-20.

The summarized data are presented in Table 23, 25 and Annex-21 and the monthly nutrient offtake of Rabi 2019-20 compared with the last four seasons are given in Annex-3.

Table 23. Fertilizer nutrient offtake during Rabi 2019-20 compared with previous seasons

('000 tonnes)

Nutrient	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20
Nitrogen	1,722	1,527	1,807	1,781	1,727	1,658
Phosphate	600	774	847	735	604	583
Potash	17.2	13.9	24.0	29.0	25.8	24.8
Total	2,339	2,315	2,678	2,545	2,357	2,266
N:P Ratio	2.87	1.97	2.13	2.42	2.86	2.85
(% Change)						
Nitrogen		-11.3	18.4	-1.4	-3.1	-4.0
Phosphate		29.1	9.3	-13.2	-17.7	-3.6
Potash		-19.2	72.3	20.8	-10.7	-4.1
Total		-1.0	15.7	-5.0	-7.4	-3.9

9.2 Province-wise nutrient offtake during Rabi 2019-20

At national level nutrient offtake during Rabi 2019-20 decreased by 3.9 per cent. Decrease of 7.2, and 1.9 per cent over Rabi 2018-19 was witnessed in Punjab and Sindh respectively. Offtake in KP and Balochistan increased by 5.0 and 46.8 per cent, respectively.

Nutrient-wise, nitrogen offtake during Rabi 2019-20 witnessed a decrease of 4.0 per cent at national level. The decrease in nitrogen offtake was 7.6 per cent in Punjab and 1.3 per cent Sindh. Offtake of nitrogen in KP and Balochistan increased by 5.1 and 48.3 per cent, respectively.

Phosphate offtake during Rabi 2019-20 decreased by 3.6 per cent at national level. Decrease of 6.3 and 3.7 per cent was observed in Punjab and Sindh respectively. Phosphate offtake increased by 8.3 and 45.2 per cent KP and in Balochistan.

Potash offtake also witnessed a decrease of 4.1 per cent over 2018-19 at national level. An increase of 0.5 per cent was observed in Punjab while decreases of 8.9 per cent in Sindh, 28.8 per cent in KP and 3.6 per cent in Balochistan were recorded during Rabi 2019-20 over Rabi 2018-19.

The share of Punjab in overall nutrient offtake on five year average basis was 70.0 per cent, followed by Sindh 23.0 per cent, KP 4.1 per cent and Balochistan 2.9 per cent. Aggregated data comparing the last four seasons are reflected in Table 24 and the detailed month, province and nutrient-wise data for Rabi 2019-20 compared with the last 5 seasons are presented in Annex-4.

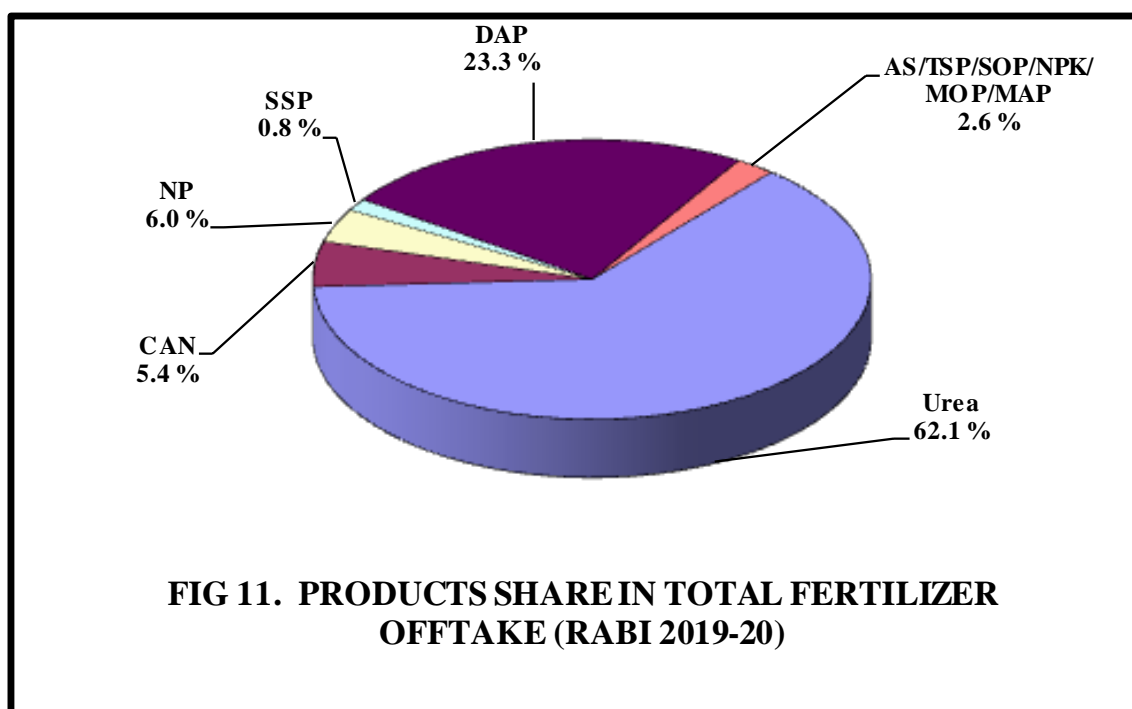
Table 24. Province-wise nutrient offtake during Rabi 2019-20 compared with previous seasons

Province						('000 tonnes)	
	Rabi 2015-16	Rabi 2016-17	Rabi 2017-18	Rabi 2018-19	Rabi 2019-20	Per cent change in Rabi 2019-20 over Rabi 2018-19	Provincial share (per cent) (Average of 5 years)
Total							
Punjab	1,623	1,909	1,810	1,645	1,526	-7.2	70.0
Sindh	563	587	565	548	537	-1.9	23.0
KP	94	113	99	94	99	5.0	4.1
Balochistan	34	70	71	70	103	46.8	2.9
AJK/FATA	-	-	0.3	0.3	-	-100.0	0.00
Total	2,315	2,678	2,545	2,357	2,266	-3.9	100
Per cent change over previous year	15.7		-5.0	-7.4	-3.9		
Nitrogen							
Punjab	1,040	1,258	1,250	1,200	1,108	-7.6	68.9
Sindh	398	420	411	406	401	-1.3	23.9
KP	66	78	68	71	74	5.1	4.2
Balochistan	22	52	52	51	75	48.3	3.0
AJK/FATA	-	-	0.2	0.2	-	-100.0	0.0
Total	1,527	1,807	1,781	1,727	1,658	-4.0	100
Per cent change over previous year	18.4		-1.4	-3.1	-4.0		
Phosphate							
Punjab	575	633	538	427	400	-6.3	72.7
Sindh	161	163	150	137	132	-3.7	21.0
KP	27	33	29	21	23	8.3	3.8
Balochistan	11	17	18	19	27	45.2	2.6
AJK/FATA	-	-	0.1	0.1	-	-100.0	0.0
Total	774	847	735	604	583	-3.6	100
Per cent change over previous year	9.3		-13.2	-17.7	-3.6		
Potash							
Punjab	8.8	17.6	22	18	18	0.5	71.2
Sindh	3.5	4.0	4	5	4	-8.9	18.1
KP	0.9	1.6	2	2	2	-28.8	7.1
Balochistan	0.6	0.8	1.0	0.9	0.9	-3.6	3.5
Total	13.9	24.0	29.0	25.9	24.8	-4.1	100
Per cent change over previous year	72.3		20.8	-10.7	-4.1		

9.3 Fertilizer offtake/use by product during Rabi 2018-19 and 2019-20

A total of 4627 thousand product tonnes were consumed during Rabi 2019-20, which represented a decrease of 4.0 per cent over last Rabi season. The offtake of domestic products increased slightly by 0.3 per cent, while that of imported fertilizers decreased by 19.5 per cent as compared to Rabi 2018-19.

Among various products, urea accounted for 62.1 per cent share in total fertilizer offtake, followed by DAP with 23.3 per cent (Figure 11). The shares of CAN, SSP and NP were 5.4, 0.8, and 6.0 per cent, respectively. The cumulative share of remaining products was 2.6 per cent. The share of domestic products in total fertilizer offtake was 81.6 per cent (78.1 per cent during Rabi 2018-19), while that of imported fertilizer 18.4 per cent (21.9 per cent during Rabi 2018-19).



The consolidated product-wise fertilizer offtake during Rabi 2018-19 and Rabi 2019-20 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 2018-19 and 2019-20

('000 tonnes)

Products	Rabi 2018-19	Per cent Share	Rabi 2019-20	Per cent Share	Per cent change in 2019-20 over 2018-19
Urea domestic	2928	60.7	2839	61.3	-3.0
Urea imported	105	2.2	33	0.7	-68.4
Total Urea	3,033	62.9	2872	62.1	-5.3
CAN domestic	249	5.2	250	5.4	0.3
NP domestic	186	3.9	275	5.9	47.9
NP Imported	10	0.2	3	0	0.0
Total NP	195	4.0	277	6.0	42.2
SSP domestic	56	1.2	35	0.8	-37.4
SSP Imported	9	0.2	0.2	0.0	-
Total SSP	65	1.4	35	0.8	-46.0
DAP domestic	305	6.3	341	7.4	11.7
DAP Imported	858	17.8	738	15.9	-14.0
Total DAP	1,164	24.1	1079	23.3	-7.3
TSP Imported	-	-	-	-	-
SOP domestic	0	-	2	0.05	-
SOP Imported	21	0.4	19	0.4	-9.4
NPK's domestic	40	0.8	35	0.8	-11.7
MOP Imported	14	0.3	13	0.3	-3.9
MAP Imported	8.50	0.18	13.30	0.29	0.0
AS Imported	32	0.65	31	0.66	-3.0
Grand Total	4,821	100.0	4627	100.0	-4.0
Total domestic	3,764	78.1	3777	81.6	0.3
Total Imported	1,057	21.9	850	18.4	-19.5
A. DOMESTIC PRODUCTS					
Nitrogen	1514	64.2	1502	66.3	-0.8
Phosphate	201	8.5	236	10.4	17.3
Potash	7	0.3	7	0.3	3.1
Total	1,723	73.1	1745	77.0	1.3
B. IMPORTED PRODUCTS					
Nitrogen	213	9.0	157	6.9	-26.3
Phosphate	403	17.1	347	15.3	-14.0
Potash	19	0.8	17	0.8	-7.0
Total	634	26.9	521	23.0	-17.9
Grand Total (A+B)	2,357	100.0	2,266	100.0	-3.9
C. TOTAL PRODUCTS					
Nitrogen	1,727	73.3	1,658	73.2	-4.0
Phosphate	604	25.6	583	25.7	-3.6
Potash	26	1.1	24.8	1.1	-4.1
Total	2,357	100.0	2,266	100.0	-3.9

9.4 Province-wise urea and DAP offtake/consumption during Rabi 2019-20

Urea offtake during Rabi 2019-20 decreased by 5.3 per cent over Rabi 2018-19 at national level. Decreases by 9.3 and 1.8 per cent were registered in Punjab and Sindh provinces, respectively while increases of 5.1 and 43.3 per cent were observed in KP and Balochistan, respectively.

At national level, DAP offtake witnessed a decrease of 7.3 per cent during Rabi 2019-20 as compared to same time frame of Rabi 2018-19. A decrease of 9.1, 8.5 and 5.9 per cent was observed in Punjab, Sindh and KP respectively, whereas increase of 42.6 per cent in

Balochistan was recorded.

On five years data average basis, the share of Punjab in urea offtake was 67.4 per cent, Sindh 24.8, KP 4.6 and Balochistan 3.1 per cent. As regards DAP offtake on provincial basis, Punjab's share was 73.3 per cent, Sindh 20.6, KP 3.5 and Balochistan 2.6 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 2019-20 compared with the last four seasons is presented in Table 26. Detailed province-wise urea and DAP offtake comparison of Rabi 2019-20 with last five seasons is given in Annexure-6 whereas province-wise offtake of all products for the year 2018-19 and 2019-20 is given at Annex-7.

Table 26. Province-wise offtake of urea and DAP during Rabi 2019-20 compared with previous seasons

Province						('000 tonnes)	
	Rabi 2015-16	Rabi 2016-17	Rabi 2017-18	Rabi 2018-19	Rabi 2019-20	Percent change in Rabi 2019-20 over Rabi 2018-19	Provincial share (Average 5 years) Per cent
Urea							
Punjab	1592	1958	2024	2091	1897	-9.3	67.4
Sindh	688	705	704	719	706	-1.8	24.8
KP	118	137	121	132	139	5.1	4.6
Balochistan	37	92	96	91	130	43.3	3.1
AJK/FATA	-	-	0.2	0.1	-	-	0.00
Total	2,435	2,892	2,944	3,033	2,872	-5.3	100.0
Per cent change over previous year		18.8	1.8	3.0	-5.3		
DAP							
Punjab	1074	1220	1039	829	753	-9.1	73.3
Sindh	303	301	279	261	239	-8.5	20.6
KP	48	57	53	38	36	-5.9	3.5
Balochistan	21	29	33	36	51	42.6	2.6
Total	1,447	1,608	1,404	1,164	1,079	-7.3	100.0
Per cent change over previous year		11.1	-12.7	-17.1	-7.3		

10. SUPPLY/DEMAND SITUATION DURING RABI 2019-20

10.1 Nutrient-wise supply/demand situation

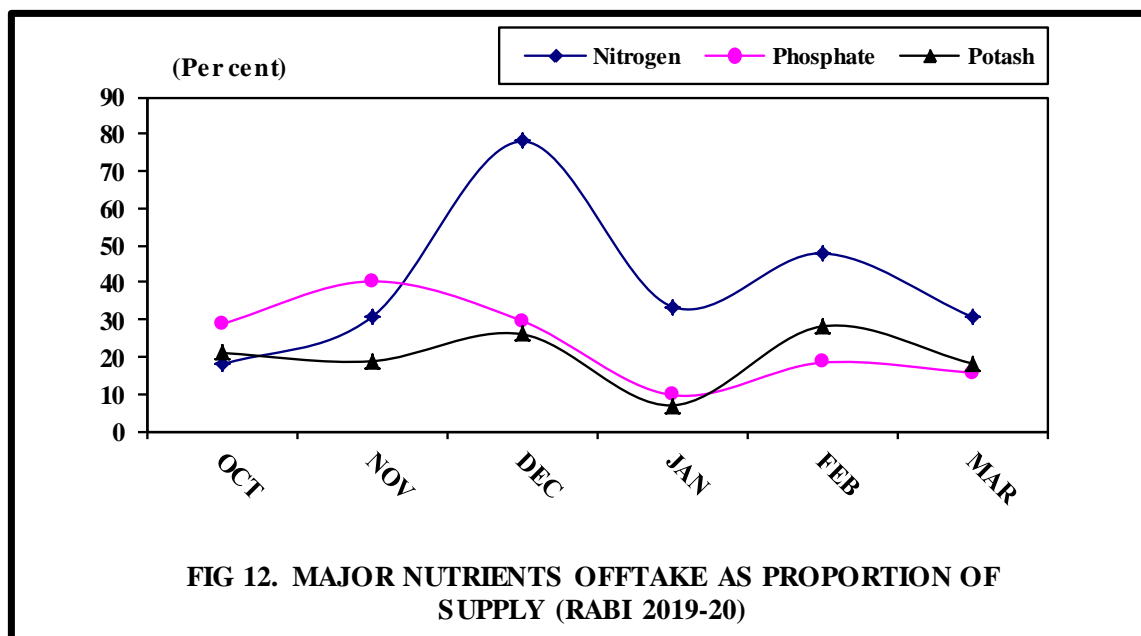
Rabi 2019-20 started with an opening inventory of about 567 thousand nutrient tonnes. Domestic production was about 1802 thousand nutrient tonnes. Imports were 575 thousand nutrient tonnes. Total availability was therefore, 2944 thousand nutrient tonnes (Table 27). Total nutrient offtake during Rabi 2019-20 was about 2266 thousand nutrient tonnes. The closing stock was 668 thousand tonnes. Figure 12 presents major nutrients offtake as proportion of supply during Rabi 2019-20. It may be seen that nitrogen offtake as proportion of supply did not exceed 80 per cent mark during Rabi 2019-20, which is a sign of comfortable situation (Table 28).

Table 27 Fertilizer supply/demand situation during Rabi 2019-20

(000 tonnes)

Description	Nitrogen	Phosphate	Potash	Total	Urea	DAP	Nitrophos
Opening Balance	327 (211)	221 (363)	19 (13)	567 (587)	470 (115)	405 (732)	89 (36)
Domestic production	1,571 (1,532)	223 (239)	9 (10)	1,802 (1780)	3009 (2923)	324 (352)	269 (255)
Imports	160 (183)	401 (328)	13 (20)	575 (531)	- (105)	848 (679)	- (14)
Total Availability	2,057 (1,925)	845 (930)	42 (43)	2,944 (2,898)	3,478 (3,144)	1,578 (1,764)	358 (305)
Offtake	1,658 (1,727)	583 (604)	25 (26)	2,266 (2357)	2872 (3033)	1079 (1164)	277 (195)
Exports	- -	- -	- -	- -	- -	- -	- -
Adjustment (+)(-)	-7.5 (9)	-3 (-6)	-0.2 (0.1)	-11 (3)	-15 (25)	1 (2)	12 (-2)
National Inventory	392 (207)	259 (320)	16 (17)	668 (544)	591 (135)	500 (602)	92 (107)

Note: Figures in parenthesis are for Rabi 2018-19. Quantities less than one thousand are not given in this Table. Small variations may be due to rounding of figures.



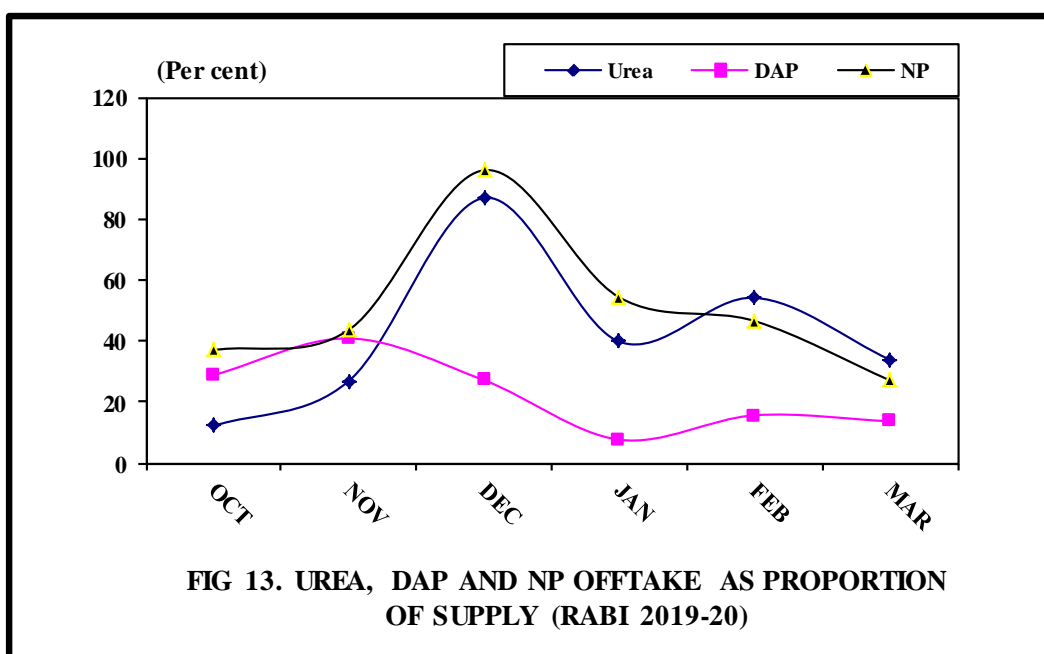


FIG 13. UREA, DAP AND NP OFFTAKE AS PROPORTION OF SUPPLY (RABI 2019-20)

The data are summarized in Table 27. The month-wise nutrient supply/demand situation during Rabi 2019-20 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.

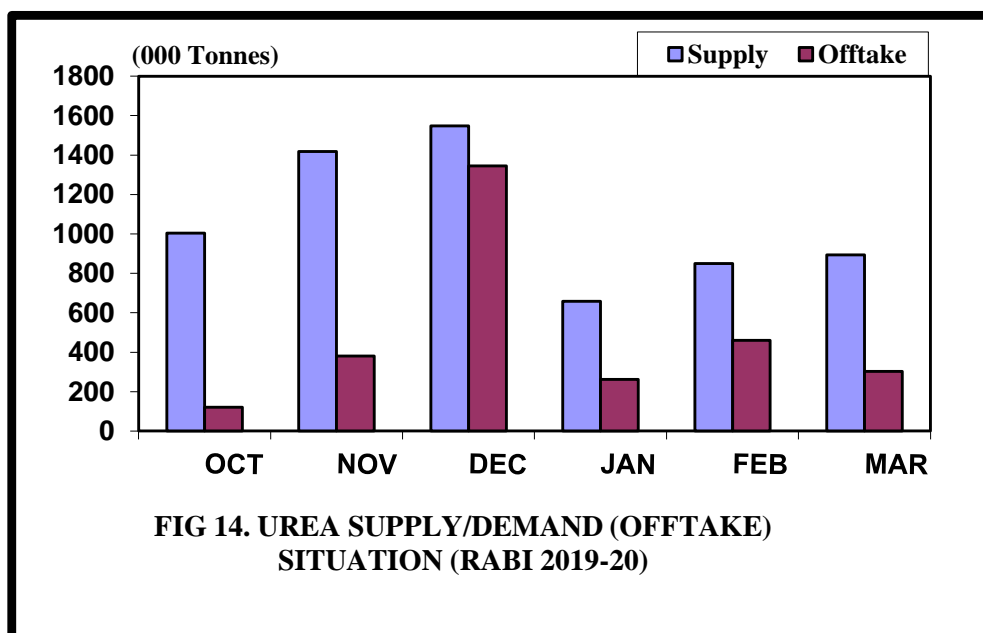
Table 28. Total supply and offtake of fertilizer nutrients during Rabi 2019-20

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-19	692	489	24	123	141	5	18	29	21
Nov-19	882	501	21	270	202	4	31	40	19
Dec-19	878	363	18	685	108	5	78	30	26
Jan-20	439	294	18	147	28	1	34	10	7
Feb-20	541	298	22	259	55	6	48	18	28
Mar-20	566	311	20	174	49	4	31	16	18

10.2 Urea supply/demand situation during Rabi 2019-20

Rabi 2019-20 opened with a balance of about 470 thousand tonnes of urea. Domestic production was about 3009 thousand tonnes, thereby making a total availability of 3478 thousand tonnes (Table 27). Urea offtake during Rabi 2019-20 was about 2872 thousand tonnes, which showed decrease of 5.3 per cent compared with Rabi 2018-19. Urea offtake as proportion of supply was above 80 per cent mark during December, 2019 (Figure 13). The closing stock was 591 thousand tonnes, at the end of March 2020 (Table 27 and 29). Supply vs. offtake is shown in Figure 14.

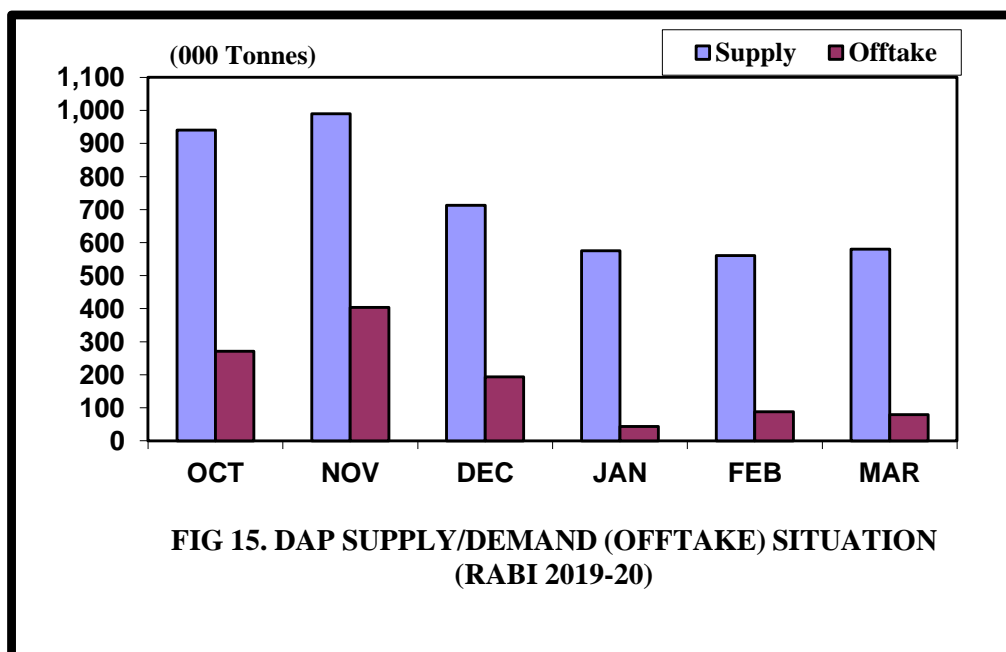
Urea offtake during Rabi 2019-20 compared with last seasons is shown in Annex-6. Month-wise and consolidated supply/demand situation during Rabi 2019-20 is presented in Annex-10 and the consolidated Rabi 2019-20 situations in Annex-23.



10.3 DAP supply/demand situation during Rabi 2019-20

Rabi 2019-20 started with an opening inventory of 405 thousand tonnes of DAP. Total availability, based on opening stock, domestic production (324) and imports (848), was 1578 thousand tonnes (Table 27). Total DAP offtake was about 1079 thousand tonnes, which decreased by 7.3 per cent compared with last Rabi. The closing stock worked out as 500 thousand tonnes by the end of March 2020 (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 2019-20

Rabi 2019-20 started with an opening stock of 89 thousand tonnes. Total availability based on opening stock and domestic production of 269 thousand tonnes was 358 thousand tonnes (305 thousand tonnes during Rabi 2018-19). Total nitrophos offtake during the season was 277 thousand tonnes (195 thousand tonnes during 2018-19) leaving a closing stock of 92 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 2019-20

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-19	1,004	941	126	121	271	47	12	29	37
Nov-19	1,418	990	105	381	404	46	27	41	44
Dec-19	1,548	713	76	1,345	193	73	87	27	96
Jan-20	658	575	60	262	44	32	40	8	54
Feb-20	850	561	100	460	88	46	54	16	47
Mar-20	893	580	123	303	79	33	34	14	27

11. FERTILIZER PRICES

11.1 Domestic retail prices during Kharif 2019

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 2019-20. The average market prices of most of the products increased during Kharif 2019. Prices of urea (sona) and urea (other) witnessed an increase of 7.7 and 9.1 per cent, respectively. Price of DAP increased by 3.4 per cent while that of NP decreased by 4.5 per cent. Prices of CAN increased significantly by 8.6 per cent and SSP (G) by 6.3 per cent. Price of SOP also increased by 3.1 per cent. Rise in price of nitrogenous fertilizers was due to increase in price of natural gas from 1st July, 2019.

11.2 Domestic retail prices during Rabi 2019-20

Prices of almost all fertilizer products decreased during Rabi 2019-20. Average prices of sona urea and other brands decreased by 15.9 and 15.3 per cent, respectively. The average prices of DAP and NP also decreased by 7.9 and 9.4 per cent, respectively. Average prices of CAN and SOP decreased by 12.7 and 3.2 per cent respectively during Rabi 2019-20. Decrease in price of urea and CAN is due to reduction in GIDC in January, 2020.

Table 30. Average Fertilizer Retail Sale Prices for April 2019 to June 2020

(Rs. Per 50 Kg bag)

Month	Urea Sona	Urea Other	DAP	NP	CAN	SOP	TSP	SSP(P)	SSP(G)	NPK
Kharif 2019										
Apr-19	1819	1786	3569	2936	1630	4235	-	-	1017	2909
May-19	1835	1800	3549	2812	1650	4305	-	-	1018	2957
Jun-19	1869	1838	3554	2803	1696	4318	-	-	1030	2965
Jul-19	1936	1895	3584	2794	1745	4361	-	-	1041	2966
Aug-19	1877	1849	3632	2791	1735	4343	-	-	1051	2971
Sep-19	1959	1948	3690	2804	1770	4367	-	-	1081	2887
Kharif Avg Price	1883	1853	3596	2823	1704	4322	-	-	1040	2943
% change in Sep,19 over Apr, 19	7.7	9.1	3.4	-4.5	8.6	3.1	-	-	6.3	-0.8
Rabi 2019-20										
Oct-19	2010	2004	3710	2811	1800	4378	-	-	1087	2969
Nov-19	2005	2005	3713	2804	1804	4349	-	-	1097	3026
Dec-19	2004	1998	3654	2781	1802	4279	-	-	1095	3010
Jan-20	2016	1994	3600	2771	1839	4290	-	-	1082	3036
Feb-20	1804	1803	3512	2634	1715	4252	-	-	1056	2999
Mar-20	1691	1697	3417	2548	1572	4240	-	-	1055	2975
Rabi Avg Price	1922	1917	3601	2725	1755	4298	-	-	1079	3003
% change in Mar,20 over Oct, 19	-15.9	-15.3	-7.9	-9.4	-12.7	-3.2	-	-	-2.9	0.2
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
Average July, 2019 to June,20	1856	1844	3558	2695	1700	4299	-	-	1068	2971
% change in Jun,20 over July,19	-15.7	-14.7	-5.7	-9.1	-12.5	-2.9	-	-	1.3	-1.7

Source:

1. Pakistan Bureau of Statistics Division, Islamabad

2. Records of National Fertilizer development Centre, M/O National Food Security and Reserch, Islamabad.

11.3 Domestic prices during 2019-20

Prices of almost all the fertilizers were decreased significantly during fiscal year 2019-20. The average price of urea (sona) decreased by 15.7 per cent, while that of urea (other) decreased by 14.7 per cent. The prices of DAP, NP, SOP, NPK and CAN decreased by 5.7, 9.1, 2.9, 1.7 and 12.5 per cent, respectively.

11.4 International prices

The average fertilizer prices of urea, DAP and TSP prevalent in international markets during Kharif 2019, Rabi 2019-20 and FY 2019-20 are given in Table 31.

Table 31. Average International Fertilizer Prices during 2019-20

(FOB Prices US \$/tonne)

Seasons/Month/Year	Urea Mid. East	Urea China	DAP Australia	DAP China	TSP Tunisia
Kharif 2019					
Apr-19	258.1	293.8	411.0	376.5	351.3
May-19	275.0	296.3	372.5	365.9	322.5
Jun-19	287.5	286.6	366.0	343.4	313.8
Jul-19	279.4	281.3	337.0	338.6	311.9
Aug-19	270.0	281.3	321.3	330.3	312.5
Sep-19	262.5	260.9	314.4	316.1	312.5
Kharif Avg Price	272.1	283.3	353.7	345.1	320.7
% change in Sep,19 over Apr, 19	1.7	-11.2	-23.5	-16.0	-11.0
Rabi 2019-20					
Oct-19	259.5	256.6	306.3	310.8	312.5
Nov-19	241.3	240.6	293.8	302.9	302.5
Dec-19	230.8	245.7	287.5	295.2	292.5
Jan-20	237.5	245.9	283.8	292.5	292.5
Feb-20	236.5	243.8	272.5	294.4	281.3
Mar-20	251.6	254.5	277.5	307.0	260.0
Rabi Avg Price	242.9	247.8	286.9	300.4	290.2
% change in Mar,20 over Oct, 19	-3.0	-0.8	-9.4	-1.2	-16.8
Fiscal year 2019-20					
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
Average July,2019 to June 2020	245.4	251.8	295.7	308.9	283.9
% change in Jun,20 over July, 19	-22.0	-17.8	-11.0	-9.3	-23.0

Source: The Argus

11.4.1 Kharif 2019

Urea prices in international market during Kharif 2019 increased by 1.7 per cent in Middle East and while in China market decreased by 11.2 per cent. DAP prices in international market decreased by 23.5 per cent in Australia while by 16.0 per cent in China market.

11.4.2 Rabi 2019-20

During Rabi 2019-20, average monthly urea prices in China market ranged between US \$ 240.6 to 256.6/t fob while in Middle East ranged between US \$ 230.8 to 259.5 fob/t. Urea prices in Middle East decreased by 3.0 per cent while in China market, it decreased by 0.8 per cent. Price of DAP in Australia decreased by 9.4 per cent while in China, prices of DAP decreased by 1.2 per cent. A decrease of 16.8 per cent during Rabi 2019-20 was observed in price of TSP in Tunisia.

11.4.3 Fiscal year 2019-20

During 2019-20, urea fob prices fluctuated between US \$ 215.8 to 279.4/t in Middle East and

US\$ 231.3 to 281.3/t in China market. DAP prices witnessed a decrease of 11.0 per cent in Australia and quoted prices for DAP decreased from US \$ 337 in July 2019 to US \$ 300.0/t fob in June 2020. DAP price in China market decreased by 9.3 per cent.

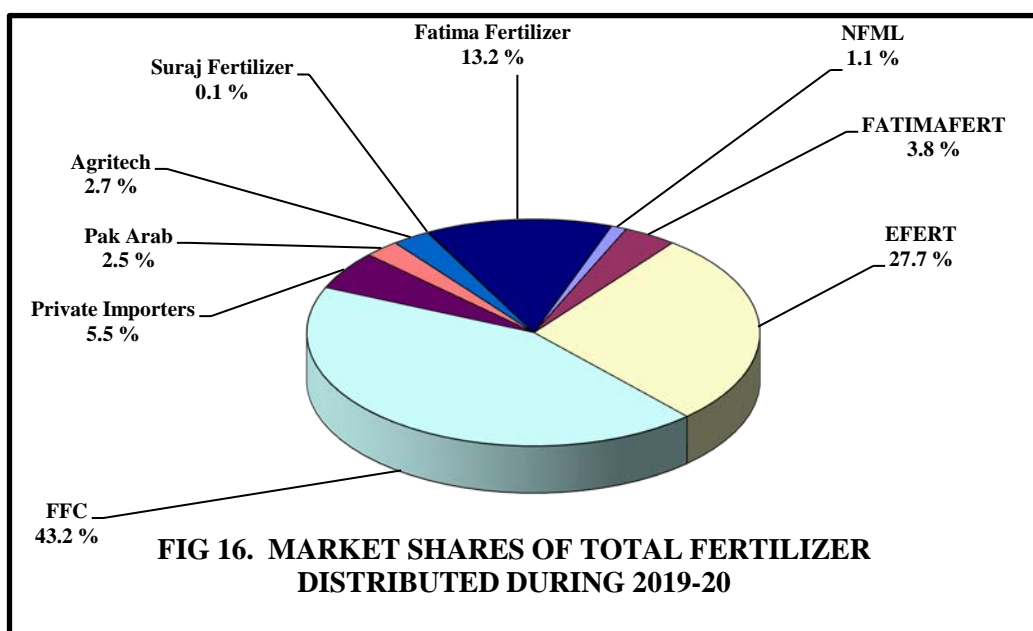
12. MARKET SHARES OF FERTILIZER DISTRIBUTING AGENCIES

12.1 Marketing agencies in Pakistan

There are six 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 3695 dealers spread all over the country. Engro Fertilizer Limited (EFERT) is the oldest marketing company and operates in Sindh, Balochistan and Punjab. Its NPK products have extended to KP. With the purchase of Pak-Arab Fertilizer manufacturing plant, Multan, Fatima Fertilizer Company entered the fertilizer business. It has developed a good marketing network throughout Pakistan. Similarly, Agritech Limited (Azzgard-9) has 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 only importers/marketing agencies in private sector, Jaffer Brothers Limited (JBL) is the oldest in the field. United Agro Chemicals (Pvt.) Limited, Chawla International, Neelum Seeds, Premium Petroleum and Agven are in the imports business only and sell imported products throughout the country.

12.2 Market shares during 2019-20

During 2019-20, a total quantity of about 9389 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 99 per cent in total fertilizer distribution (99 per cent during 2018-19). FFC, EFERT, Pak-Arab, Agritech Limited and Fatima market share was 43.2, 27.7, 2.5, 2.7 and 13.2 per cent, respectively. The share of FatimaFert and NFML was 3.8 and 1.1 per cent, respectively. The share of other private importers was 5.5 per cent (Figure 16).



Private sector handled about 98 per cent of urea (98 per cent during 2018-19). FFC, EFERT, Fatima, FatimaFert and Agritech shares in urea marketing were 52, 33, 6, 4 and 3 per cent, respectively.

The shares of FFC, EFERT, Pak-Arab and FatimaFert in DAP offtake were 47, 22, 1 and 5 per cent, respectively. CAN was moved by Pak Arab (19 per cent) and Fatima Fertilizer Company (81 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 2019-20

											(Per cent)
SECTOR/AGENCIES	UREA	CAN	NP	SSP	DAP	NPKS	SOP	MOP	MAP	AS	TOTAL
NFML	2	-	-	-	-	-	-	-	-	-	1.1
Total Public Sector	2	-	-	-	-	-	-	-	-	-	1.1
FFC	52	-	-	-	47	-	27	14	-	-	43.2
EFERT	33	-	8	6	22	100	33	35	99	37	27.7
FatimaFert	4	-	-	-	5	-	-	-	-	-	3.8
PAK ARAB	0	19	21.2	-	1	-	-	-	-	-	2.5
Agri Tech (Pvt.) Limited	3	-	-	80	-	-	-	-	-	-	2.7
Fatima Fertilizer Co Ltd	6	81	70	-	2	-	-	-	-	-	13.2
LCFL (Al Hamd Group)	-	-	-	-	-	-	-	-	-	-	-
Suraj Fertilizers	-	-	-	12	-	-	-	-	-	-	0.1
Safi Chemicals	-	-	-	2	-	0	-	-	-	-	0.02
Other Private Importers	-	-	1	-	22	-	40	51	1	63	5.5
Total Private Sector	98	100	100	100	100	100	100	100	100	100	98.9
Grand Total	100	100	100	100	100	100	100	100	100	100	100

12.3 Market shares during Kharif 2019

During Kharif 2019, a total quantity of about 4656 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 almost 98.5 per cent of total fertilizer volume in product terms. Of this, percentage-wise FFC handled 44.4, EFERT 26.7, Pak Arab 1.4, Agritech Limited 3.6, Fatima 13.7 and private importers 3.4 per cent (Table 33 and Figure 17). Share of FatimaFert and NFML in fertilizer distribution was 5.1 and 1.5 per cent, respectively.

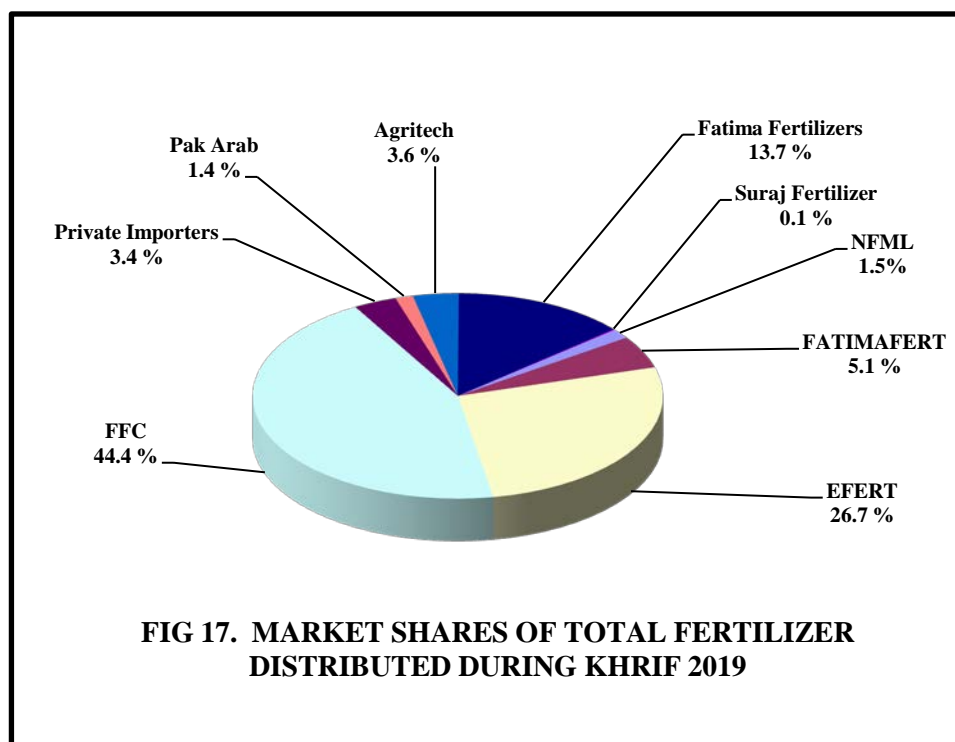


Table 33. Market shares of various fertilizer distribution agencies during Kharif 2019

(Per cent)

Sector/Agencies	UREA	CAN	NP	SSP	DAP	NPKS	SOP	MOP	MAP	AS	Total
NFML	2	-	-	-	-	-	-	-	-	-	1.5
Total Public Sector	2	-	-	-	-	-	-	-	-	-	1.5
EFERT	30	-	14	36	21	100	32	43	-	47	26.7
FFC	50	-	-	-	57	-	9	18	-	-	44.4
FatimaFert	7	-	-	-	3	-	-	-	-	-	5.1
Agri Tech (Pvt.) Ltd.	5	-	-	46	-	-	-	-	-	-	3.6
PAK ARAB	-	1	0	-	6	-	-	-	-	-	1.4
Fatima Fertilizers	6	99	86	-	-	-	-	-	-	-	13.7
Suraj Fertilizer Indus	-	-	0	18	-	-	-	-	-	-	0.1
LCFL (AL Hamd Group)	-	-	-	-	-	-	-	-	-	-	-
Safi Chemicals	-	-	-	-	-	-	-	-	-	-	0
Private Importers	-	-	0.3	-	13	-	59	39	-	53	3.4
	98	100	100	100	100	100	100	100	-	100	98.5
Grand Total	100	100	100	100	100	100	100	100	-	100	100

12.4 Market shares during Rabi 2019-20

During Rabi 2019-20, a total quantity of about 4627 thousand tonnes of various products were handled by the fertilizer marketing agencies. Out of this, private sector agencies marketed almost about 99 per cent of total fertilizer volume in product tonnes. Of this, percentage-wise FFC handled 42.9, EFERT 25.2, Pak-Arab 1.2, Agritech Limited 3, Fatima 14.4 and private importers/distributors 7 per cent (Table 34).

Public sector total share was only 0.7 per cent, which was solely distributed by NFML. Detail agency-wise and product-wise offtake figures are presented in Annex 26 and graphically shown in Figure 18. The detailed agency-wise product-wise offtake is shown in Annex 26.

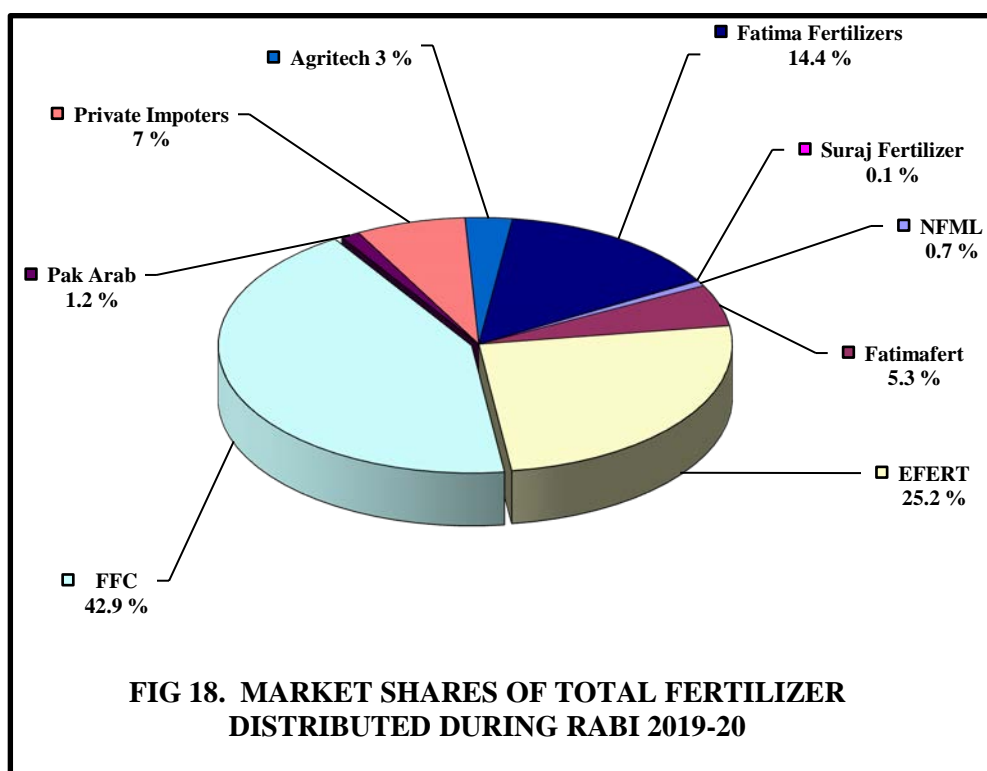


FIG 18. MARKET SHARES OF TOTAL FERTILIZER DISTRIBUTED DURING RABI 2019-20

Table 34. Market shares of various fertilizer distribution agencies during Rabi 2019-20

SECTOR / AGENCIES											(Per cent)
	UREA	CAN	NP	SSP	DAP	NPKs	SOP	MOP	MAP	AS	TOTAL
NFML	1	-	-	-	-	-	-	-	-	-	0.7
Total Public Sector	1	-	-	-	-	-	-	-	-	-	0.7
EFERT	28	-	9	1	25	100	36	32	99	29	25.2
FFC	54	-	-	-	40	-	40	14	-	-	42.9
FatimaFert	6	-	-	-	8	-	-	-	-	-	5.3
Agri Tech (Pvt.) Ltd.	4	-	-	79	-	-	-	-	-	-	3.0
PAK ARAB	0	15	6	-	0	-	-	-	-	-	1.2
Fatima Fertilizers	8	85	84	-	-	-	-	-	-	-	14.4
LCFL (AL Hamd Group)	-	-	-	-	-	-	-	-	-	-	-
Suraj Fertilizers	-	-	-	18	-	-	-	-	-	-	0.1
Safi Chemicals	-	-	-	3	-	0	-	-	-	-	0.02
Private Importers	-	-	1	-	27	-	24	54	1	71	7.0
Total Private Sector	99	100	100	100	100	100	100	100	100	100	99.3
Grand Total	100	100	100	100	100	100	100	100	100	100	100

12.5 Fertilizer dealers network

The data presented in Table 35 show that there are about 14,661 total dealers, out of which 12,407 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	1,829	287	88	50	2,254
B. Private	9,034	2,360	647	366	12,407
Total	10,863	2,647	735	416	14,661

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 2,162 and 115 thousand product tonnes, respectively. This excludes some distributors, who have not supplied the requisite information. Total storage capacity is about 2,277 thousand product tonnes.

Table 36. Fertilizer warehouses capacity

Sector	000 tons	Per cent Share
A. Public	115	5
B. Private	2,162	95
Total	2,277	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 2019-20 on Phosphatic fertilizers such as DAP (Rs. 500 per bag), NP and SSP (Rs. 200 per bag).
- ii. E-voucher based direct subsidy was also provided to the registered farmers of Punjab during 2019-20 on Potash fertilizers such as SOP (Rs. 800 per bag), MOP (Rs. 500 per bag) and NPKs (Rs. 300 per bag).
- iii. Direct E-voucher based subsidy is again being provided during 2020-21 to all the registered farmers in Punjab.
- iv. Subsidy on Zinc Sulphate is also being granted for wheat, rice and sugarcane crops for better yields under the National Productivity Enhancement Programme.
- v. Wheat sowing drills with fertilizer attachment were provided to the farmers of Punjab during 2019-20 to ensure better performance of fertilizers by placing at proper depth during the seed bed preparation.

- vi. Financial Support on fertilizer was provided to the farmers for the demonstration plots under National Productivity Enhancement Programmes of Wheat, Rice and Sugarcane.

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

Research Work / Activities during 2019-20

- Comparison of different varieties of maize for hyper accumulation and tolerance of lead (Pb) – A Pot Study.
- To study the toxicity and requirement of selenium application on growth and yield of wheat / maize: A Pot Study.
- Estimation of heavy metals from canal irrigated vs. Wastewater irrigated vegetables.
- Heavy metal determination from phosphatic fertilizers available in Punjab.
- Identification of crops other than vegetable crops for growing under waste water.
- Heavy metal status of vegetables and fodder irrigated with waste water from different districts of Punjab.
- Micronutrients and heavy metal status in vegetable grown in tunnels.
- Assessment of heavy metals in ground water of Faisalabad.
- Arsenic contamination in rice grain; a potential hazard to the rice growing areas.
- Mapping the physico-chemical characteristics of wastewater irrigated soils from main districts of Punjab using Arc GIS.
- Optimization of pH, temperature, reaction time and NH_4MgPO_4 ratios for struvite formation from the waste water (Lab Study).
- To study the nutrient use efficiency under burnt and retained crop residue in rice/wheat cropping system.
- Application of fertilizer through fertigation technique to improve the fertilizer use efficiency of wheat / maize crop.
- Effect of organic amendments to increase soil health, crop growth, yield and nutrient use efficiency under wheat / rice crop.
- Direct and residual effect of sulfur fertilization by using integrated approach in alkaline calcareous soils.
- To study the role of Ni as essential plant nutrient in wheat / mung bean under alkaline calcareous soils of Pakistan – a pot study.
- To study the role of CEC on nutrient dynamics in alkaline calcareous soils of Pakistan – Pot Study.
- To study the long-term effect of organic and inorganic fertilizers on bio-fortification of maize grain with Zn and Fe.
- To study the phenological variation of maize crop under changing nutrient and climatic scenario – a pot study.
- Bio-fortification of mung bean / chickpea with micronutrients (Zn and Fe) application in sandy clay loam soils.

- Micronutrient status of fruit grown in Punjab.
- Nutrient removal by crops.
- To study the micronutrients dynamics (Fe and Zn) by using NPK along with farm manure.
- Assessment of nutrients removal by different weeds under different nutrition scenarios.
- Yield and potassium uptake of wheat using different sources of nitrogen.
- Cotton growth and yield improvement through foliar application of macro and micronutrients.
- Effects of Sulphur on growth and oil quantity of cotton / sunflower.
- Integrated impact of bio and chemical fertilizers on soil health, growth and yield of onion/pumpkin.
- Effect of green manuring on soil physico-chemical properties under rice-berseem cropping pattern.
- Long term effect of fertilizer use on soil properties.
- Effect of integrated nutrient management on growth and yield of wheat.
- Effect of temporal and differential application of nitrogen and potash on growth, yield and quality of wheat / maize.
- Survey of soil sulphur (s) contents in oilseed growing areas.
- Comparative effect of different sources of N, P and K at different growth stages on quality, growth and yield of maize.

Soil Chemistry Laboratory Analysis work

2334 determinations were carried out from 1282 soil samples.

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

Promotional activities:

- **Popularizing integrated plant nutrient management in wheat production system:**

Lack of balanced fertilizer application is the major issue in getting low productivity in staple crops such as wheat. Integrated plant nutrients based demonstration and experiments were carried out in different parts of the country. For this purpose, INM fertilizers (NPK+Zn+B+Bizote) were applied to wheat crops at different location on farmer's field. Low nutrients concentration in soil confirmed by soil analysis before intervention and imbalance fertilizer application (farmer focus on N and to some extent on P) show response by increasing wheat yield by 15-20% on average.

- **Nutrient indexing survey to develop GIS based soil nutrient map:**

In order to assess and quantify the extent and magnitude of nutrients deficiency in soil grown with wheat, soil sampling was carried out at union council level in tehsil of selected districts. Corresponding flag leaves and coordinate were also recorded. About 200 soil and 100 wheat flag leaf samples were collected and analyzed for pH, EC, OM, P, K) in soil samples and N, P, K in wheat samples. Micronutrients analysis data will be used in developing ArcGIS based soil nutrients status map.

- **Productivity and quality enhancement of citrus orchards:**

Based on GIS based soil nutrients status map previously developed, the micronutrients (Zn and Fe) based fertilizers were applied to citrus orchards in Sargodha district on regular basis according to plan. Applied treatments indicated an impact in terms of yield and fruit quality, particularly low fruit dropping was observed in plants provided with Zn based fertilizers.

Soil testing lab and number of soil sample analyzed:

- **Upgradation and registration of soil and plant analytical lab:**

The soil and plant analytical labs were upgraded by purchasing new instrument for smooth analysis work. The laboratory was registered with Global Soil Laboratory, Network (GLSOLAN), Global soil Partnership (GSP), FAO.

- **Soil and crop advisory service:**

For soil advisory service, 261 soil and 9 water samples were analyzed for chemical parameters such as pH, EC, N, P and K etc.

13.4 Fauji Fertilizer Company Limited (FFC)

Number of soil samples analyzed = 15,179

Promotional Programmes / Activities

- Two TV campaigns were run, one each in Rabi and Kharif, TV commercials and other promotional materials were telecasted on national and regional TV channels.
- Documentaries were prepared to demonstrate crop production technology and recommendations for major crops. These documentaries are telecasted through PTV-Home at the commencement of sowing season for each crop.
- Advertisements were displayed at CCTV of inland buses and selective airports.
- Advertisements for brand and product promotion were run throughout the year from a range of FM channels and Pakistan Broadcasting Corporation across the nation.
- After the spread of COVID-19, special radio spots regarding preventive measures, focusing rural population, were developed and broadcasted.
- FFC Agri Experts have participated as guests in various radio programs and shared useful information regarding local crops along with addressing listener's questions.
- Advertisements were printed in national and regional newspapers for the promotion of products and services.
- Advertisements were published in relevant magazines for brand corporate promotions.
- Informative articles addressing agriculture related issues were written by FFC Agri. Services Officers and were published in various newspapers and magazines.
- FFC participated in a number of agriculture related exhibitions arranged by public and private entities.
- A number of industry and community related events like seminars, festivals and sports events were sponsored to support stakeholder's activities.

- Crop literatures like Booklets for each of the important crop and orchard specific issues like soil salinity management, developing products like Potash, Zinc and Boron, quarterly agri. newsletters and fertilizer recommendation books are printed and distributed to the farmers as another tool for education.
- SMS and WhatsApp messages are sent to the listed farmers with alerts and recommendations for their crops.
- In the wake of COVID-19 spread, where face to face meetings were being avoided for safety reasons, WhatsApp messages were developed extensively in image & video formats and distributed among listed farmers. This technique effectively maintained FFC farmer support services without compromising safety of the farmers and employees.

13.5 Engro Fertilizer Limited

Promotional Programmes / Activities

Market development activity	Number of activities
Farm visits	42,695
Mega farmer meetings	40
Seminars	4
Workshops	1
Group discussion for product briefing / crop production	1,573
Farmer meeting	1,019
Crop demonstration	732

- Engro organized international conference on “Smart Potassium Nutrition Management for Crops in Changing Climate” in collaboration with Arab Potash Company and MNS University of Agriculture, Multan.
- A workshop regarding “High Efficiency Irrigation System” was also organized for agronomists and farmers in collaboration with Arab Potash Company and University of Science and Technology, IRBID, Jordan.
- Engro is now providing the seed to harvest solutions to the farmers by marketing seeds, pesticides & fertilizers all under Engro’s brand name.
- Engro participated in 3rd Edition of Pakistan Horticulture Expo 2020.

Number of soil samples analyzed during the year = 36,873
 Water samples analyzed = 646

13.6 Agritech Limited

Agritech Limited carried out following promotional programmes / activities

Farm Visits	28
Group discussions / product briefing	19
Agriculture exhibition at wheat sowing	1

13.7 Fatima Fertilizer Company Limited

i) Farmer advisory services

Activity	Number of activities
High profile farmers meeting	49
Farmers meetings	569
Farm advisory visits	20,796
Group Discussions with farmers	1,208
Soils / irrigation water sampling	20,608
Field days	129
Field demonstrations	189
Sugar mills staff training	23
Agriculture staff training	82
GR / PR Visits	17,074
High profile farmer testimonial	1,035
Collaborative research trials	35
COVID-19 contingency plan for farmer advisory services	37,270

ii) Promotional Programmes / Activities

Pak-China Agricultural Coordination Forum at Islamabad

- China Machinery Engineering Corporation (CMEC) and Fatima Group with the support of Chinese embassy, Govt. of Pakistan and FAO conducted “**PAK-CHINA AGRICULTURAL COORDINATION FORUM**” at Islamabad on October 30, 2019. CEO Fatima Group signed an MOU with Chinese leading firm for smart irrigation technologies and CMEC in the presence of President of Pakistan.

Salam Kissan Sarsabz Pakistan- Kissan Day

- Fatima Group took an initiative to recognize the efforts of Pakistani farmers and their economic contribution in national GDP. A farmer day with the name “**SALAM KISSAN SARSABZ PAKISTAN**” was arranged in Islamabad on December 18, 2019.
- Fatima Group is closely working with Chinese research and Agri. technology providers through Chinese collaborative partners. Fatima Group has also conducted various sessions with Government of Pakistan to discuss the benefits of Chinese Agri. technologies required to increase crop productivity to ensure national food security and export of the surplus.
- Fatima Group sponsored 18th Soil Science Congress organized by Soil Science Society of Pakistan.
- Fatima Group sponsored international conference "Climate Resilient Smart Soil Management, focusing food security, ecosystem & Environment" at University of Haripur, Khyber Pakhtunkhwa.

- Fatima Group also conducted Kissan Melas in Kot addu area for capacity building of the sugarcane farmers on 4R technique and crop management practices in order to increase their crop productivity.
- Fatima Group & USAID (PATTA) jointly organized demonstration activities to increase awareness of small and medium farmers in KP, Gilgit-Baltistan, Sindh and Punjab provinces. Through this ongoing cooperation farmers are benefiting by getting enhanced yields of their crops.
- Digital media was utilized extensively to engage farmers of Pakistan through online edits of TVCs, updates, online coverage of activities and competition.
- Fatima Group continued its partnership with leading telecom companies in providing information to its farmers through mobile phone based call-in shows and SMS updates.
- The following crop related literature was revised as per latest agronomical techniques and distributed to the farming community and other stakeholders:
 - i. Collaborative research based booklets on crop production technologies for wheat, rice (transplanted as well as direct seeded), potato and maize.
 - ii. Distributed crop 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, tobacco and sunflower.

14. FERTILIZER DEMAND FORECAST: OUTLOOK FOR 2020-21

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

The Kharif 2020 season started with opening inventory of 592 thousand tonnes of urea. Domestic production was 3,097 thousand tonnes. Thus, total availability of urea was around 3689 thousand tonnes. The offtake of urea was 3,188 thousand tonnes. Supply and demand situation with respect to urea remained comfortable with inventory of 465 thousand tonnes for next season.

The available quantity of DAP in Kharif 2020 was 1,456 thousand tonnes, which comprised 500 thousand tonnes of opening inventory, 409 thousand tonnes domestic production and 547 thousand tonnes of imported supplies. The offtake of DAP during the season was 1163 thousand tonnes. The closing inventory was 296 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	Urea	DAP
2018-19	3408	1153	53	4614	5970	2200
2019-20	3415	1084	50	4549	6015	1984
Growth Percent	0.2	-6.0	-6.0	-1.4	0.8	-9.8
2020-21 (Estimate)	3,600	1,328	56	4,984	6,097	2,450
Growth Percent	5.4	22.6	11.4	9.6	1.4	23.5

The overall offtake for the year 2020-21 has been forecasted as 4984 thousand nutrients tonnes, which is expected to increase by 9.6 per cent over the last year. The projections up to March 2021 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

During the year 2019-20, wheat production was 24.94 million tonnes which shows an increase of 2.5 per cent over the last year's 2018-19. Support price for wheat and sugarcane increased by Rs. 100 and Rs. 11 per 40 kg, respectively as compared with previous year. The average price of urea during Kharif 2019 increased by Rs. 330 while that of DAP increased by Rs. 315 per bag of 50 kg over Kharif 2018. During Rabi 2019-20, an increase of Rs. 152 and Rs.25 per bag of 50 kg in the average price of Urea and DAP has been observed over Rabi 2018-19. Agricultural commodity and fertilizer prices are given in Table 38.

It was observed that urea (nitrogen) fertilizer remained cheaper for wheat (at market price), basmati rice and sugarcane (at market price) while it was expensive for cotton and IRRI varieties of paddy during 2019-20 compared with the previous year (Table-39). It was also noticed that DAP (phosphate) fertilizer remained cheaper for all four crops during fiscal year 2019-20 compared with fiscal year 2018-19. The relevant data is presented in Table-39.

16. NATURAL GAS CONSUMPTION IN FERTILIZER PRODUCTION AND ITS PRICES DURING 2019-20

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 2019-20 was 252,073 MMCF. Out of this 82.2 per cent was used as feed stock and 17.8 per cent as fuel. The plant-wise gas consumption data of 2019-20 are given in Table 40 and detailed month-wise figures are in Annex-29.

Table 38: Commodity and Fertilizer Prices during 2018-19 and 2019-20

Product / Commodity	Price	2018-19		2019-20	
		Support Price	Market Price	Support Price	Market Price
A. Wheat	Rs. Per 40kg	1300	1203	1400	1468
	Rs. Per Kg	32.5	30.1	35.0	36.7
B. Paddy	IRRI (Rs. Per 40kg)	0	1100	0	1274
	IRRI (Rs. Per kg)	0	27.5	0	31.9
	Basmati (Rs. Per 40kg)	0	1744	0	2255
	Basmati (Rs. Per kg)	0	43.6	0	56.4
C. Sugarcane	Rs. Per 40kg	180	180	191	235
	Rs. Per kg	4.5	4.5	4.5	5.9
D. Seed Cotton (Phutti)	Rs. Per 40kg	3200	3421	0	3932
	Rs. Per kg	80	86	0	98
E. Fertilizer	<u>Urea Rs/bag (50kg)</u>				
	Kharif	1540	1540	1870	1870
	Rabi	1768	1768	1920	1920
	<u>DAP Rs/bag (50kg)</u>				
	Kharif	3281	3281	3596	3596
	Rabi	3576	3576	3601	3601
	<u>Nitrogen (N) Rs/kg</u>				
	Kharif	67	67	81	81
	Rabi	77	77	83	83
	<u>Phosphate (P) Rs/kg</u>				
	Kharif	116	116	125	125
	Rabi	125	125	124	124

Source: Agriculture Policy Institute (API) and NFDC database

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

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

Crop	2018-19		2019-20		Per cent change in 2019-20 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	2.6	2.4	2.3	0.8	-11.0
Kg required to buy 1 kg of P ₂ O ₅ from DAP	3.9	4.2	3.5	3.4	-8.3	-19.1
<u>B. Paddy</u>						
Kg required to buy 1 kg of N from Urea						
IRRI	-	2.4	-	2.6	-	4.8
Basmati	-	1.5	-	1.4	-	-6.1
Kg required to buy 1 kg of P ₂ O ₅ from DAP						
IRRI	-	4.2	-	3.9	-	-7.7
Basmati	-	2.7	-	2.2	-	-17.3
<u>C. Sugarcane</u>						
Kg required to buy 1 kg of N from Urea	14.9	14.9	18.1	13.8	21.4	-7.0
Kg required to buy 1 kg of P ₂ O ₅ from DAP	25.9	25.9	27.7	21.2	6.9	-18.1
<u>D. Seed Cotton</u>						
Kg required to buy 1 kg of N from Urea	0.84	0.78	-	0.83	-	5.6
Kg required to buy 1 kg of P ₂ O ₅ from DAP	1.46	1.36	-	1.27	-	-7.0

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

Table 40. Gas consumption by plants during 2019-20

(MMCF)

Fertilizer Company	Feed	Fuel	Total
Sui Northern Gas Pipelines Ltd.			
Pak-Arab	-	-	-
Fatimafert	-	-	-
Agritech	-	-	-
EFERT	35,522	5,729	41,251
Oil and Gas Development Company Limited			
EFERT	112	3,933	4,045
Liquefied Natural Gas (LNG)			
Agritech	3,720	821	4,541
Fatimafert	5,152	1,217	6,369
Sui Southern Gas Company Ltd.			
FFBL	19,046	404	19,450
Mari Gas Company Ltd.			
EFERT	26,027	9,093	35,120
FFC I & II	51,343	12,328	63,671
FFC III	28,337	4,575	32,912
Fatima Fertilizer	31,973	4,928	36,901
Pak Arab	5,957	1,855	7,812
Total	207,189	44,883	252,073

16.2 Natural gas prices

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

16.3 Subsidy on Feed Gas

Subsidy on feed gas during 2019-20 was Rs. 126 billion which increased by 36 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.

Table 41. Gas price for fertilizer production

Effect date	(Rs/MMBTU)			
	01-01-2017	01-01-2018	01-01-2019	01-07-2019
<u>SNGPL'S SYSTEM</u>				
(i) For Feed Stock				
Agritech	123.41	123.41	185	300
Fatimafert/ Pak Arab	123.41	123.41	185	300
EFERT	70.61	70.61	0.7 \$	0.7 \$
Hazara Phosphate Fertilizer	123.41	123.41	185	300
(ii) For Fuel Generation				
DHCL/Pak Arab/Hazara Phosphate	600	600	780	1021
<u>SSGCL'S SYSTEM</u>				
(i) For Feed Stock				
FFBL	123.41	123.41	185	300
(ii) For Fuel Generation				
FFBL	600	600	780	1021
<u>FOR MARI GAS CO. SYSTEM</u>				
(i) For Feed Stock				
EFERT	123.41	123.41	185	300
FFC	123.41	123.41	185	300
Fatima Fertilizer	70.61	70.61	0.7 \$	0.7 \$
(ii) For Fuel Generation (Power)				
	600	600	780	1021

Source: Oil and Gas Regulatory Authority

Table 42 Implicit subsidy on feed gas for fertilizer production during 2018-19 and 2019-20 (Estimated)

Effect date	(Rs. Billion)		
	2018-19	2019-20	Percent Change
Sui Northern Gas Pipelines Ltd.			
Pak-Arab	-	-	-
Fatimafert	-	-	-
Agritech	-	-	-
EFERT	22.99	30.72	34
Oil and Gas Development Company Limited			
EFERT	0.27	0.08	-70
Sui Southern Gas Company Ltd.			
FFBL	10.19	13.05	28
Mari Gas Company Ltd.			
EFERT	8.51	14.07	65
FFC	34.87	43.09	24
Fatima Fertilizer	16.02	21.83	36
Pak Arab	-	3.22	-
Total	92.85	126.06	36

Supply of institution-wise agricultural credit disbursement during 2018-19 and 2019-20 is presented in Table 43. Agricultural loans of Rs. 1,214.7 billion were disbursed during 2019-20 as against Rs. 1,174.0 billion during the last year (2018-19), there by registering an impressive increase of 3.47 per cent. The share of commercial banks and ZTBL was 58.3 and 5.1 per cent, whereas the share of private Banks was 18.5 per cent. Shares of Micro Finance Banks, Islamic Banks and Rural Support Programmes were 11.5, 3.5 and 2.4 per cent respectively.

It may be observed that out of the total disbursement during 2019-20, 93.3 per cent was for production loan and 6.7 per cent for development loan. Production loan is for short term of 6 to 18 months for farm inputs seed, fertilizer, pesticides, POL, Labour and Poultry feed chick's etc. Of the total production loan, about 40 per cent goes to fertilizer. Therefore, it is estimated that about Rs. 453.3 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 90 per cent.

Table 43. Institution-wise Agriculture Credit Disbursements during 2019-20

(Rs in Million)

Name of Bank	Disbursement during 2018-19	Per cent Share	Disbursement during 2019-20		Total	Per cent Share	Targets for 2019-20	Targets achieved during 2019-20 (%)
			Production	Development				
Commercial Bank								
Allied Bank Limited	62,855	5.4	62,320	7,472	69,792	5.7	72,000	96.9
Habib Bank Limited	170,530	14.5	183,730	2,444	186,174	15.3	180,000	103.4
MCB Bank Limited	105,576	9.0	108,443	407	108,850	9.0	115,000	94.7
National Bank Limited	225,008	19.2	240,516	1,519	242,035	19.9	240,000	100.8
United Bank Limited	89,562	7.6	98,186	3,210	101,396	8.3	98,000	103.5
Total Commercial Banks	653,531	55.7	693,195	15,052	708,247	58.3	705,000	100.5
Z.T.B.L	71,478	6.1	45,776	16,510	62,286	5.1	100,000	62.3
P.P.C.B.L	9,677	0.8	6,937	1,888	8,825	0.7	13,000	67.9
Total Domestic Private Banks	211,942	18.1	179,789	45,181	224,970	18.5	253,600	88.7
Total Micro Finance Banks	153,998	13.1	139,298	-	139,298	11.5	184,000	75.7
Total Islamic Banks	39,379	3.4	39,292	2,851	42,143	3.5	55,000	76.6
Total MFIs/RSPs	33,984	2.9	28,917	-	28,917	2.4	39,400	73.4
Grand Total (All Banks)	1,173,990	100	1,133,204	81,482	1,214,686	100	1,350,000	90.0

18. GLOBAL AGRICULTURE AND FERTILIZER SITUATION

18.1 AGRICULTURE

According to Food and Agriculture Organization (FAO) of the United Nations, world cereal production was 2,710.9 million tonnes during 2019-20 compared to 2,648.7 million tonnes the last year. For 2020-21, wheat production is forecasted to decrease by 0.5 per cent while the coarse grain is expected to increase by 4.5 per cent. The increase in rice harvest is estimated by 1.6 per cent (Table-44).

There will be comfortable cereal supply and demand situation in spite of the uncertainties due to pandemic according to FAO's first forecast for the year 2020-21. Global cereal production will surpass previous year by 2.6 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 2,780.5 million tonnes nearly 70 million tonnes higher than in 2019-20.

Table 44 WORLD CEREAL PRODUCTION, SUPPLIES, TRADE AND STOCKS

(Million tonnes)

Particulars	2018-19 (Actual)	2019-20 (Estimated)	2020-21 (Forecast)	Percent change
Production	2648.7	2710.9	2780.5	2.6
Wheat	732.1	762.2	758.3	-0.5
Coarse grains	1410.3	1448.1	1513.5	4.5
Rice (milled)	506.3	500.6	508.7	1.6
Supply ¹	3549.7	3582.8	3663.2	2.2
Utilization	2677.8	2689.4	2732.4	1.6
Trade	410.4	423.7	433	2.2
Ending Stocks ²	871.9	882.7	926.8	5.0

Source: Food Outlook June, 2020

¹ Production plus opening stocks ² May not equal to difference between supply and total utilization due to difference in individual country marketing years.

World cereal utilization is tentatively forecast to expand by 1.6 percent (43 million tonnes) to reach an all-time high of 2,732.4 million tonnes during 2020-21. Based on FAO's first forecasts for production in 2019-20 and consumption in 2020-21, world cereal inventories by the end of 2020-21 are forecast to reach 927 million tonnes, an increase of 5.0 percent (44 million tonnes) from their already high opening levels. The expected increase in cereal stocks would result in a slight rise in the global cereal stock-to-use ratio, from 32.5 percent in 2019-20 to 32.9 percent in 2020-21, indicating a generally comfortable supply situation when compared to the 21.2 percent low registered in 2007-08. Of the total cereal stocks, as much as 47 percent are expected to be held in China, where national stocks could increase for the second consecutive season and reach a new high of at least 439 million tonnes (*Food Outlook June, 2020*).

18.2 WORLD FERTILIZER CONSUMPTION

World fertilizer demand declined by 0.7 percent during FY 2018 to 188.8 million tonnes nutrient, but a 0.9 percent recovery to 190.5 million tonnes is expected in FY 2019 (Table-45). This decline and the subsequent recovery are explained for the most part by the significant drop in US fertilizer use in FY 2018 due to poor weather, followed by an expected recovery in FY 2019. North America, West Asia, Western and Central Europe (WCE) and East Asia experienced significant declines in fertilizer use in FY 2018. These reductions were only partially offset by increases in Latin America, South Asia and Eastern Europe and Central Asia (EECA). Fertilizer use in Africa improved only slightly.

In FY 2019, a strong recovery in fertilizer use was observed in North America. Fertilizer demand increased in South Asia and EECA. However, this growth was partially offset by a significant decline in East Asia and smaller drops in WCE and Oceania. Preliminary forecasts for FY 2020 suggest a 1.3% growth in global fertilizer demand, because of higher crop prices.

Table 45: WORLD FERTILIZER CONSUMPTION BY NUTRIENTS

(Million tonnes)

Year	Nitrogen	Phosphate	Potash	Total
FY 2017	106.4	46.3	37.4	190.1
FY 2018 (estimated)	106.5	45.3	37.3	188.8
Percent Change	0.1	-2.1	-1.0	-0.7
FY 2019 (forecast)	107.1	46.0	37.4	190.5
Percent Change	0.6	1.4	0.9	0.9
FY 2020 (forecast)	108.1	46.5	38.3	192.9
Percent change	0.9	1.2	2.5	1.3

Source: IFA Short Term Fertilizer Outlook 2019-20, December 2019

FY stands for fertilizer year.

19. AGRICULTURE AND CROP SITUATION DURING 2019-20

Agriculture even though the largest sector of economy engaging the largest workforce and providing raw material to most manufacturing sector, is under performing during the last few decades, and its contribution to GDP has gradually decreased to 19.3 percent. The agriculture growth is not consistent as observed over the decades. The rural transformation pace remained very slow resulting in problems like food insecurity, poverty, unemployment, illiteracy etc. It has the potential to drive the development process achieving poverty alleviation goal and can uplift socio-economic structure of a major segment of the population. More R&D on seed varieties, improving resource use efficiency, promoting modern technologies, starting skill development program to support rural enterprises is the need of time. “Climate Smart Agriculture” is an approach used worldwide focusing on enhancing agriculture productivity and incomes while simultaneously building resilience to climate vulnerability and changes.

During FY2019-20, the performance of agriculture sector improved over the last year and it also performed better than other sectors. However, the challenges due to climate change, pest attacks, shortage of water etc., kept agriculture production far less than the potential. One key issue related to agriculture is that the farmers have limited direct access to the market due to which the role of middleman remains crucial and farmers normally do not receive fair market price of their produce. In terms of potential, agriculture sector has the capacity not only to produce for the domestic population but to have surplus production for exports, which can ensure food security as well as contribute towards foreign exchange earnings.

The government has introduced “Prime Minister’s Agriculture Emergency Programme” for the next 5 years of worth Rs. 277 billion to revolutionize the agriculture and livestock sectors. The objectives of the programme include improvements in water availability, soil conservation and shrimp farming. In addition, the programme also includes establishing new agriculture markets which will protect farmers from the exploitation of middlemen. The programme aims to increase agricultural productivity, value addition, reduce dependence on

imports and improve living standard of farming community. This will also ensure food security in the country and increase the hard-earned income of the farmers. The development of agriculture sector will further provide stimulus to agro-based industries and overall growth of the economy. Blessed with the fertile land and hardworking farmer community, we can enhance the agricultural productivity to ensure smooth supply of essential food items.

The crops sector, overall, experienced a growth of 2.98 percent due to increase in growth of important crops by 2.90 percent mainly due to sufficient availability of inputs (adequate water, certified seeds, pesticides, and an uptick in credit disbursement) despite lower fertilizer off-take. The major crops (wheat, rice, sugarcane, maize and cotton) account for 21.73 percent in the value addition of agriculture sector and 4.20 percent in GDP. The other crops account for 11.53 percent in the value addition of agriculture sector and 2.23 percent in GDP.

19.1 Land Utilization

Land utilization statistics, 1970-71 to 2018-19 are depicted in Table-46. Total cropped area remained stagnant during last 3-5 years due to almost unchangeable net area sown (15.74 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 23.49 million hectares.

19.2 Irrigation and Water Availability

Pakistan is facing severe water stress due to an extremely inefficient irrigation system and practices, over-exploitation of groundwater and inadequate storage capacity. Surface and groundwater pollution has also impacted quantity and quality of water. Agriculture is the largest water consuming sector, so efficient use of water is an important requirement for its sustainable growth. 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. During 2019-20, the total availability of water for the Kharif crops 2019 reached to 65.2 million-acre feet (MAF) showing an increase of 9.4 percent over 59.6 MAF of Kharif 2018 while it remained less by 2.8 percent against the average system usage of 67.1 MAF. During Rabi season 2019-20, the total water availability reached to 29.2 MAF, showing an increase of 17.7 percent over Rabi 2018-19 and 19.8 percent less than the normal availability of 36.4 MAF (Table-47).

Table 46: Land Utilization, 1970-71 to 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
1970-71	2.83	11.11	4.77	14.44	19.21	2.18	16.62
1980-81	2.85	10.86	4.89	15.41	20.30	3.92	19.33
1990-91	3.46	8.85	4.85	16.11	20.96	5.71	21.82
2000-01	3.77	9.17	6.73	15.40	22.13	6.64	22.04
2010-11	4.26	7.98	6.38	15.65	22.03	7.07	22.72
2011-12	4.26	8.19	7.05	14.98	22.03	7.52	22.50
2012-13	4.26	8.21	7.04	15.22	22.26	7.34	22.56
2013-14	4.55	8.27	6.68	15.40	22.08	7.76	23.16
2014-15	4.54	8.30	6.66	15.46	22.12	7.82	23.26
2015-16	3.99	8.27	10.14	15.62	25.76	7.90	23.52
2016-17	4.47	8.37	9.51	15.59	25.10	7.46	23.05
2017-18	4.47	8.29	9.40	15.74	25.14	7.75	23.49
2018-19 (P)	4.47	8.29	9.40	15.74	25.14	7.75	23.49

Source: Ministry of National Food Security & Research, P: Provisional

Table-47: Canal Head Withdrawals (Below Rim Stations)

Million Acre Feet (MAF)

Province	Kharif (Apr- Sep) 2018	Kharif (Apr- Sep) 2019	% Change in Kharif 2019 Over 2018	Rabi (Oct- Mar) 2018-19	Rabi (Oct- Mar) 2019-20	% Change in Rabi 2019-20 Over 2018-19
Punjab	29.19	34.42	18	13.25	14.67	11
Sindh	27.75	28.04	1	10.10	12.92	28
Balochistan	1.69	1.87	11	0.97	1.24	29
KP	0.99	0.91	-8	0.45	0.36	-19.8
Total	59.62	65.23	9.4	24.76	29.20	17.7

Source: Economic Survey 2019-20

19.3 Crop Situation

Pakistan's agricultural productivity is dependent upon the timely availability of water. There is a strong relationship between agriculture and climate-temperature, precipitation, floods and other aspects of weather that finally affect economic performance including agriculture production, commodity prices and finally economic growth. Pakistan has two cropping seasons. "Kharif", the first sowing season, starts from April to June and is harvested from October to December. Rice, sugarcane, cotton, maize, moong, mash, bajra and jowar are "Kharif" crops. "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.

Performance of wheat, rice, cotton, sugarcane and maize being considered as major crops and few minor crops during 2019-20 against 2018-19 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. Wheat accounts for 8.7 percent to value addition in agriculture and 1.7 percent to GDP. Wheat crop production increased by 3.7 percent to 25249.5 thousand tonnes over last year's production of 24358.1 thousand tonnes. The area under cultivation increased by 1.6 percent to 8,802 thousand hectares over last year's area (8,662.3 thousand hectares). There is 2.0 percent increase in wheat yield compared to last year yield of 2812 kg/ha. The area, production and yield of wheat during 2019-20 compared with last year is presented in Table-48.

Table-48: Area, Production and Yield of Wheat during 2019-20 against previous year

Province	2019-20			2018-19			Per cent (%) Change in 2019-20 over 2018-19		
	Area (000'ha)	Prod. (000' t)	Yield (kg/ha)	Area (000'ha)	Prod. (000' t)	Yield (kg/ha)	Area	Prod.	Yield
Punjab	6515.3	19401.9	2977.9	6495.9	18377.2	2829.0	0.3	5.6	5.3
Sindh	1131.5	3850.0	3402.6	1052.7	3778.9	3589.7	7.5	1.9	-5.2
KP	727.3	1130.4	1554.2	724.1	1336.7	1846.0	0.4	-15.4	-15.8
Balochistan	427.9	867.2	2026.6	389.6	865.3	2221.0	9.8	0.2	-8.8
Pakistan	8802.0	25249.5	2868.6	8662.3	24358.1	2812.0	1.6	3.7	2.0

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 0.8 percent to GDP and 4.1 percent of total value addition in agriculture. During 2019-20, cotton crop was sown on an area of 2,516.6 thousand hectares, which increased by 6.1 percent over last year's area (2,373 thousand hectares). Cotton production is estimated at around 9,151.1 thousand bales, which is lower by 7.2 percent over the last year's production of 9860.8 thousand bales. Even though the overall area increased over last year, but the overall performance remained below due to prolonged hot and dry weather and low water availability during crucial stages of plant growth along with pest attacks. The stunting of crop, attack of whitefly, pink bollworm and other pests/insects hampered crop output. The area, production and yield of cotton during 2019-20 compared with previous year is given in Table-49.

Table-49. Area, Production and Yield of Cotton during 2019-20 against previous year

Province	2019-20			2018-19			Per cent (%) Change in 2019-20 over 2018-19		
	Area 000' ha	Production (000'bales)	Yield (kg/ha)	Area (000'ha)	Production (000'bales)*	Yield (kg/ha)	Area	Prod.	Yield
Punjab	1879.7	6306.6	570.7	1887.8	6826.0	615.0	-0.4	-7.6	-7.2
Sindh	598.7	2745.6	780.0	448.2	2938.4	1115.1	33.6	-6.6	-30.0
KP	0.2	0.6	510.3	0.2	0.5	425.2	0.0	20.0	20.0
Balochistan	38.0	98.7	441.8	36.8	95.9	443.3	3.3	2.9	-0.3
Pakistan	2516.6	9151.5	618.5	2373.0	9860.8	706.8	6.1	-7.2	-12.5

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

19.3.3 Rice

Rice holds an important place in the agriculture of Pakistan. After wheat, it is the second main staple food crop and second major exportable commodity after cotton. It contributes about 3.1 percent of value addition in agriculture and 0.6 percent in GDP. During 2019-20, rice cropped area of 3,040.6 thousand hectare increased by 5.2 percent compared to 2,889.8 thousand hectares of last year. The production decreased by 0.1 percent to 7205.8 thousand tonnes against 7215.4 thousand tonnes of last year driven in part by higher domestic prices and availability of inputs on subsidized rates. The area, production and yield of rice during 2019-20 compared with previous year is presented in Table-50.

Table-50. Area, Production and Yield of Rice during 2019-20 against previous year

Province	2019-20			2018-19			Per cent (%) Change in 2019-20 over 2018-19		
	Area (000ha)	Production (000 t)	Yield (kg/ha)	Area (000 ha)	Production (000 t)	Yield (kg/ha)	Area	Prod.	Yield
Punjab	2029.1	4143.6	2042.1	1983.8	3992.4	2012.5	2.3	3.8	1.5
Sindh	775.9	2374.3	3060.1	690.2	2571.1	3725.2	12.4	-7.7	-17.9
KP	62.8	152.9	2434.7	62.3	153.8	2468.7	0.8	-0.6	-1.4
Balochistan	172.8	535.0	3096.1	153.5	498.1	3245.0	12.6	7.4	-4.6
Pakistan	3040.6	7205.8	2369.9	2889.8	7215.4	2496.9	5.2	-0.1	-5.1

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

19.3.4 Sugarcane

Sugarcane is a high value cash crop that has significance for sugar and sugar related industries in Pakistan. It contributes about 0.6 percent to GDP and 2.9 percent of total value addition in agriculture. During 2019-20, sugarcane production decreased by 1.2 percent to 66379.6 thousand tonnes as compared to 67173.9 thousand tonnes of last year. The decline in sugarcane output is due to shrinking of cultivated area (by 1.2 percent from 1,102 thousand of last year to 1,042.5 thousand hectares) and on account of water shortages. Moreover, low economic returns too discouraged the growers to bring more area under the sugarcane crop. Disposal problem of sugarcane and payment difficulties also restricted the acreage of sugarcane. The area, production and yield of sugarcane during 2018-19 compared with previous year is given in Table-51.

Table-51. Area, Production and Yield of Sugarcane during 2019-20 against previous year

Province	2019-20			2018-19			Per cent (%) Change in 2019-20 over 2018-19		
	Area (000ha)	Production (000 t)	Yield (kg/ha)	Area (000ha)	Production (000 t)	Yield (kg/ha)	Area	Prod.	Yield
Punjab	643.4	43346.6	67371.2	710.6	44906.3	63194.9	-9.5	-3.5	6.6
Sindh	288.8	17233.8	59673.9	279.5	16691.3	59718.4	3.3	3.3	-0.1
KP	109.4	5754.0	52596.0	111.0	5532.0	49837.8	-1.4	4.0	5.5
Balochistan	0.9	45.2	50222.2	0.9	44.3	49222.2	0.0	2.0	2.0
Pakistan	1042.5	66379.6	63673.5	1102.0	67173.9	60956.4	-5.4	-1.2	4.5

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

19.3.5 Maize

In Pakistan, after wheat and rice, Maize is the third important cereal crop. It contributes to 2.9 percent in value addition in agriculture and 0.6 percent to overall GDP. During 2019-20, maize was cultivated on 1404.4 thousand hectares and recorded an increase of 2.2 percent over last year's 1,374 thousand hectares. Its production increased by 15.5 percent to 7883.1 thousand tonnes compared to last year's production 6826.3 thousand tonnes. The production increased due to increase in area and availability of improved variety of seed as well as economic returns and shifting of farmer from cotton and sugarcane. The area, production and yield of maize during 2019-20 compared with previous year is given in Table-52.

Table-52. Area, Production and Yield of maize during 2019-20 against previous year

Province	2019-20			2018-19			Per cent (%) Change in 2019-20 over 2018-19		
	Area (000 ha)	Production (000 t)	Yield (kg/ha)	Area (000 ha)	Production (000 t)	Yield (kg/ha)	Area	Prod .	Yield
Punjab	945.1	6994.7	7401.0	899.7	5915.5	6575.0	5.0	18.2	12.6
Sindh	3.9	4.0	1025.6	3.5	3.5	1000.0	11.4	14.3	2.6
KP	452.6	881.6	1947.9	468.0	904.5	1932.7	-3.3	-2.5	0.8
Balochistan	2.8	2.8	1000.0	2.8	2.8	1000.0	0.0	0.0	0.0
Pakistan	1404.4	7883.1	5613.1	1374.0	6826.3	4968.2	2.2	15.5	13.0

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

19.3.6 Other Major Crops

During 2019-20, gram production recorded an increase of 14.1 percent on account of higher yield due to favorable weather condition prevalent at the time of sowing. The production of Bajra decreased by 2.3 percent because of untimely rains during critical stages of the crop. The production of Moong increased by 5.9 percent while, Potato decreased by 6.5 per cent. Onion production increased by 1.1 percent while that of fodder production increased by 118.7 percent due to increased area under cultivation, when compared with last year 2018-19. Area, production and yield of said major crops during 2019-20 compared with previous year is given in Table- 53.

Table-53. Area, Production and Yield of other major crops during 2019-20 against previous year

Crops	2019-20			2018-19			Per cent (%) Change in 2019-20 over 2018-19		
	Area (000 ha)	Production (000 t)	Yield (kg/ha)	Area (000 ha)	Production (000 t)	Yield (kg/ha)	Area	Prod.	Yield
Bajra	442.0	342.1	774.0	455.7	350.0	768.0	-3.0	-2.3	0.8
Gram	943.8	503.6	533.6	943.1	441.3	467.9	0.1	14.1	14.0
Moong	172.0	124.9	726.2	163.2	117.9	722.4	5.4	5.9	0.5
Potato	182.7	4523.2	24757.5	193.1	4839.0	25059.6	-5.4	-6.5	-1.2
Onion	148.3	2099.8	14159.1	148.4	2076.0	13985.4	-0.1	1.1	1.2
Fodder	2801.2	112057.4	40003.4	2180.0	51240.8	23505.0	28.5	118.7	70.2

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

ANNEX-1

**FERTILIZER PRODUCTION BY PRODUCT AND MANUFACTURER DURING 2018-19 AND 2019-20
(2018-19)**

		(Tonnes)													
PRODUCT	SOURCE	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL	
UREA	Fatimafert (DHCL)	-	-	-	42,979	33,861	30,077	28,451	17,627	46,840	43,947	43,637	39,241	326,660	
UREA	EFERT	160,375	172,350	164,551	164,551	154,415	154,415	164,416	127,616	153,415	144,067	138,689	177,289	1,876,149	
UREA (PAFL)	Agri Tech (Pvt.) Ltd	-	-	4,484	32,187	31,900	27,363	25,149	13,593	34,074	32,620	33,898	33,188	268,456	
UREA (PFL)	PAK ARAB	-	-	-	-	-	-	-	-	-	-	-	-	-	
UREA (PSFL)	FFC	73,198	72,640	70,429	73,245	71,371	74,187	74,185	66,729	73,379	59,428	73,969	71,192	853,952	
UREA (Prilled)	FFC	145,828	142,535	134,396	148,250	139,164	138,066	124,458	101,451	134,447	143,394	148,899	143,186	1,644,074	
UREA (Granular)	FFBL	52,217	57,553	48,468	50,476	52,828	44,411	2,692	11,211	36,559	54,107	57,101	53,625	521,248	
UREA	Fatima Fertilizer	46,487	41,062	43,954	47,434	43,967	43,368	40,800	35,197	12,575	17,228	30,871	39,897	442,840	
	TOTAL UREA	478,105	486,140	466,282	559,122	527,506	511,887	460,151	373,424	491,289	494,791	527,064	557,618	5,933,379	
NP	PAK ARAB	-	-	-	-	-	-	-	-	-	-	-	-	0	
NP	EFERT	4,644	819	189	5,329	1,034	16,601	4,565	4,243	3,166	6,710	9,954	1,114	58,368	
NP	Fatima Fertilizer	36,044	36,921	36,747	34,824	36,845	38,835	42,430	44,350	22,903	29,395	37,781	39,751	436,826	
	TOTAL	40,688	37,740	36,936	40,153	37,879	55,436	46,995	48,593	26,069	36,105	47,735	40,865	495,194	
SSP (LCFL)	AL-HAMD	-	-	-	-	-	-	-	-	-	-	-	-	0	
SSP (HPFL)	Agritech	6,482	1,413	6,117	7,470	8,310	3,073	2,925	6,594	6,218	6,235	1,347	-	56,184	
SSP	Suraj Fertilizers	200	658	2,690	5,509	4,544	685	2,062	-	-	3,512	15	-	19,875	
SSP	Safi Chemicals	-	-	-	-	-	-	-	-	-	-	-	-	-	
	TOTAL	6,682	2,071	8,807	12,979	12,854	3,758	4,987	6,594	6,218	9,747	1,362	-	76,059	
CAN (Pak-Arab)	PAK ARAB	-	-	-	-	-	-	-	-	-	-	-	-	0	
CAN	Fatima Fertilizer	39,707	39,945	40,127	36,118	41,203	40,088	42,257	42,131	25,936	28,964	38,462	38,361	453,299	
	TOTAL CAN	39,707	39,945	40,127	36,118	41,203	40,088	42,257	42,131	25,936	28,964	38,462	38,361	453,299	
DAP (Sona)	FFC	73,321	61,300	76,225	55,710	66,483	63,538	30,723	60,989	74,920	72,753	75,512	71,162	782,636	
SOP	Pacific	-	-	-	-	-	-	-	-	3,363	875	869	667	5,774	
NPKs (Various grades)	EFERT	4,685	5,123	3,103	14,966	4,840	423	4,951	11,890	8,443	6,560	4,996	7,651	77,631	
NPKs (Various grades)	Safi Chemicals	-	-	-	-	-	-	-	-	-	-	-	-	0	
	GRAND total	643,188	632,319	631,480	719,048	690,765	675,130	590,064	543,621	636,238	649,795	696,000	716,324	7,823,972	
	NUTRIENTS														
	NITROGEN	253,409	254,366	247,665	287,346	274,664	270,120	239,820	206,308	253,354	257,012	277,127	289,361	3,110,553	
	PHOSPHATE	45,229	38,301	45,671	40,640	42,605	42,751	26,695	42,805	43,079	43,773	45,599	42,251	499,400	
	POTASH	833	908	528	2,694	852	76	844	2,199	3,229	1,579	1,324	1,717	16,783	
	TOTAL	299,471	293,575	293,864	330,680	318,121	312,948	267,359	251,312	299,662	302,365	324,050	333,329	3,626,735	

FERTILIZER PRODUCTION BY PRODUCT AND MANUFACTURER DURING 2018-19 AND 2019-20
(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 Limited	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 Limited	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	8	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 Limited	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

FERTILIZER IMPORTS DURING 2018-19 AND 2019-20

(2018-19)

(Tonnes)

Months	UREA	DAP	NP	SOP	MOP	AS	SSP	MAP	TOTAL PRODUCTS	NITROGEN	PHOSPHATE	POTASH	TOTAL NUTRIENTS
July	-	182,313	-	3,785	1,049	500	2,388	-	190,035	32,921	84,294	2,522	119,737
August	-	272,737	-	3,155	2,450	3,280	2,059	-	283,681	49,781	125,830	3,048	178,659
Sep	-	237,864	-	5,310	3,839	4,858	3,094	-	254,965	43,836	109,974	4,958	158,768
Oct	-	238,799	-	4,682	2,033	11,525	3,838	-	260,877	45,404	110,538	3,561	159,503
Nov	-	221,339	5,200	1,232	550	1,567	-	-	229,888	41,314	102,856	946	145,116
Dec	105,126	89,906	2,800	956	213	735	440	1,137	201,313	65,425	42,564	606	108,595
Jan	-	39,291	3,000	3,436	6,058	11,262	1,687	19,671	84,405	12,065	28,813	5,353	46,230
Feb	-	7,438	3,000	4,651	2,539	1,936	382	1,319	21,265	2,537	4,750	3,849	11,136
Mar	-	82,529	-	7,349	3,870	5,163	2,251	756	101,918	16,015	38,747	5,997	60,758
April	-	34,202	-	4,037	1,783	6,511	1,780.00	500	48,813	7,574	16,303	3,088	26,965
May	-	21,272	-	4,379	1,297	5,342	1,862	4,335	38,487	5,384	12,288	2,968	20,640
June	-	82,856	-	4,487	-	6,681	3,000	-	97,024	16,317	38,654	2,244	57,214
Total	105,126	1,510,546	14,000	47,459	25,681	59,360	22,781	27,718	1,812,671	338,574	715,611	39,138	1,093,322

(2019-20)

(Tonnes)

Months	UREA	DAP	NP	SOP	MOP	AS	SSP	MAP	TOTAL PRODUCTS	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

**MONTH-WISE COMPARATIVE NUTRIENT OFFTAKE DURING KHARIF 2019, RABI 2019-20
AND FINANCIAL YEAR 2019-20 COMPARED WITH PREVIOUS SEASONS/YEARS**

(Tonnes)

MONTHS / SEASONS	Kharif 2014 Rabi 2014-15 FY 2014-15	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	Percent change in Kharif 2019, Rabi 2019-20 and Fiscal Year 2019-20 over previous months / seasons / years
PAKISTAN							
TOTAL							
April	170,893	237,889	205,027	214,684	260,466	237,037	-9.0
May	300,904	319,420	227,799	327,937	306,111	458,186	49.7
June	312,787	381,947	321,930	647,982	426,452	420,502	-1.4
July	345,145	283,245	533,217	381,395	483,269	399,423	-17.3
August	401,924	240,807	394,938	502,724	285,338	393,407	37.9
September	291,383	105,544	243,374	341,402	372,991	348,214	-6.6
Total Kharif	1,823,036	1,568,852	1,926,285	2,416,124	2,134,627	2,256,769	5.7
% change		-13.9	22.8	25.4	-11.7	5.7	
October	424,219	493,571	526,323	482,560	594,134	269,119	-54.7
November	522,389	693,167	827,722	651,087	428,728	475,424	10.9
December	491,670	523,014	594,507	479,672	480,457	797,260	65.9
January	361,072	234,166	270,837	356,311	361,607	177,102	-51.0
February	280,752	227,554	226,084	291,655	238,024	320,074	34.5
March	258,609	143,449	232,506	283,528	254,126	226,652	-10.8
Total Rabi	2,338,711	2,314,921	2,677,979	2,544,813	2,357,076	2,265,631	-3.9
% change		-1.0	15.7	-5.0	-7.4	-3.9	
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
FY Total	4,316,419	3,699,273	5,040,111	4,763,363	4,614,399	4,548,568	-1.4
% change		-14.3	36.2	-5.5	-3.1	-1.4	
NITROGEN							
April	141,856	195,658	139,710	154,073	212,883	178,919	-16.0
May	234,762	248,943	160,858	280,818	264,057	340,029	28.8
June	275,268	315,650	292,593	568,346	330,931	337,156	1.9
July	266,940	235,805	419,879	233,195	322,397	283,188	-12.2
August	332,093	219,282	320,161	450,019	236,349	329,410	39.4
September	227,674	97,096	179,078	162,467	265,896	233,871	-12.0
Total Kharif	1,478,593	1,312,434	1,512,279	1,848,918	1,632,513	1,702,573	4.3
% change		-11.2	15.2	22.3	-11.7	4.3	
October	258,181	214,165	275,466	271,645	329,996	123,424	-62.6
November	311,692	413,273	501,815	396,759	291,069	269,619	-7.4
December	373,471	442,289	495,518	394,976	380,953	684,828	79.8
January	316,688	190,477	228,194	297,184	308,059	147,394	-52.2
February	240,601	181,029	163,817	220,437	205,012	258,959	26.3
March	221,057	85,323	142,613	200,265	211,841	174,101	-17.8
Total Rabi	1,721,690	1,526,556	1,807,423	1,781,266	1,726,930	1,658,325	-4.0
% change		-11.3	18.4	-1.4	-3.1	-4.0	
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
FY Total	3,308,648	2,671,900	3,729,778	3,434,818	3,407,676	3,414,656	0.2
% change		-19.2	39.6	-7.9	-0.8	0.2	

**MONTH-WISE COMPARATIVE NUTRIENT OFFTAKE DURING KHARIF 2019, RABI 2019-20
AND FINANCIAL YEAR 2019-20 COMPARED WITH PREVIOUS SEASONS/YEARS**

MONTHS/ SEASONS	Kharif 2014 Rabi 2014-15 FY 2014-15	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	(Tonnes)
							Percent change in Kharif 2019, Rabi 2019-20 and Fiscal Year 2019- 20 over previous months / seasons / years
PHOSPHATE							
April	26,755	40,542	63,459	57,410	45,473	54,835	20.6
May	63,476	67,757	65,690	43,496	39,691	116,228	192.8
June	36,215	62,570	28,802	77,672	93,854	80,847	-13.9
July	76,295	46,552	111,476	144,554	154,683	113,014	-26.9
August	67,987	21,009	73,201	49,470	45,397	60,481	33.2
September	59,925	7,353	59,044	170,969	97,060	106,587	9.8
Total Kharif	330,653	245,783	401,672	543,571	476,158	531,992	11.7
% change		-25.7	63.4	35.3	-12.4	11.7	
October	162,756	275,295	246,032	203,153	257,695	140,724	-45.4
November	207,620	278,005	322,319	248,453	133,972	201,869	50.7
December	114,794	79,515	97,476	81,825	95,224	107,721	13.1
January	42,886	42,898	39,698	55,243	50,489	28,455	-43.6
February	37,996	43,596	56,308	67,357	29,231	54,853	87.7
March	33,858	55,152	84,765	78,565	37,681	48,885	29.7
Total Rabi	599,910	774,461	846,598	734,596	604,292	582,507	-3.6
% change		29.1	9.3	-13.2	-17.7	-3.6	
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
FY Total	974,986	1,007,326	1,268,897	1,278,607	1,153,342	1,083,720	-6.0
% change		3.3	26.0	0.8	-9.8	-6.0	
POTASH							
April	2,282	1,689	1,858	3,201	2,109	3,283	55.7
May	2,667	2,720	1,251	3,622	2,362	1,929	-18.3
June	1,304	3,726	535	1,964	1,667	2,498	49.9
July	1,890	887	1,862	3,646	6,189	3,221	-48.0
August	1,844	515	1,575	3,234	3,591	3,516	-2.1
September	3,784	1,096	5,252	7,966	10,035	7,755	-22.7
Total Kharif	13,771	10,633	12,333	23,633	25,953	22,202	-14.5
% change		-22.8	16.0	91.6	9.8	-14.5	
October	3,282	4,112	4,825	7,762	6,444	4,971	-22.9
November	3,077	1,888	3,589	5,875	3,686	3,936	6.8
December	3,406	1,211	1,513	2,870	4,279	4,711	10.1
January	1,598	791	2,946	3,884	3,059	1,252	-59.1
February	2,155	2,929	5,959	3,860	3,780	6,263	65.7
March	3,694	2,974	5,128	4,699	4,601	3,666	-20.3
Total Rabi	17,212	13,905	23,960	28,950	25,849	24,799	-4.1
% change		-19.2	72.3	20.8	-10.7	-4.1	
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
FY Total	32,865	20,047	41,436	49,934	53,374	50,191	-6.0
% change		-39.0	106.7	20.5	6.9	-6.0	

ANNEX-4

MONTH-WISE AND PROVINCE-WISE COMPARATIVE NUTRIENT OFFTAKE DURING KHARIF 2019, RABI 2019-20 AND FINANCIAL YEAR 2019-20 COMPARED WITH PREVIOUS SEASONS/YEARS

							(Tonnes)
MONTHS/ SEASONS	Kharif 2014 Rabi 2014-15 FY 2014-15	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	Percent change in Kharif 2019, Rabi 2019-20 and Fiscal Year 2019-20 over previous months / seasons / years
PUNJAB							
TOTAL							
April	121,393	148,841	121,913	141,975	174,193	154,077	-11.5
May	184,889	207,383	128,876	220,367	194,552	302,238	55.4
June	203,176	257,936	220,058	459,361	297,716	287,842	-3.3
July	241,717	184,360	328,359	240,934	342,392	284,365	-16.9
August	279,064	155,074	272,518	343,491	202,549	270,660	33.6
September	200,039	69,059	166,364	255,223	239,152	257,809	7.8
Total Kharif	1,230,278	1,022,653	1,238,088	1,661,351	1,450,554	1,556,991	7.3
% change		-16.9	21.1	34.2	-12.7	7.3	
October	304,600	352,505	381,589	327,947	413,197	188,211	-54.5
November	365,976	478,795	602,609	452,342	305,262	315,245	3.3
December	354,680	384,607	428,517	352,785	324,174	521,831	61.0
January	262,697	142,337	188,707	251,691	255,152	120,678	-52.7
February	198,210	169,252	151,518	216,409	162,621	221,514	36.2
March	167,600	95,763	155,989	208,333	184,099	158,852	-13.7
Total Rabi	1,653,763	1,623,259	1,908,929	1,809,507	1,644,505	1,526,331	-7.2
% change		-1.8	17.6	-5.2	-9.1	-7.2	
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
FY Total	2,988,743	2,502,599	3,497,873	3,315,616	3,172,755	3,080,192	-2.9
% change		-16.3	39.8	-5.2	-4.3	-2.9	
NITROGEN							
April	100,471	124,985	83,586	102,305	144,174	118,874	-17.5
May	140,617	160,037	93,074	189,547	164,709	228,224	38.6
June	177,013	210,812	197,621	397,078	225,892	226,378	0.2
July	185,085	151,124	250,444	145,730	222,650	195,340	-12.3
August	228,286	143,153	216,264	306,970	169,675	226,963	33.8
September	150,655	63,581	123,401	116,103	158,001	172,368	9.1
Total Kharif	982,127	853,692	964,390	1,257,733	1,085,101	1,168,147	7.7
% change		-13.1	13.0	30.4	-13.7	7.7	
October	178,499	143,578	191,881	173,600	226,187	82,197	-63.7
November	210,902	274,831	355,738	267,924	207,149	178,290	-13.9
December	263,639	318,859	352,769	290,463	253,180	447,913	76.9
January	227,626	115,328	155,189	205,487	219,164	98,690	-55.0
February	169,211	133,143	107,304	161,898	139,900	175,972	25.8
March	142,254	53,768	94,994	150,604	154,001	125,133	-18.7
Total Rabi	1,192,131	1,039,507	1,257,875	1,249,976	1,199,581	1,108,195	-7.6
% change		-12.8	21.0	-0.6	-4.0	-7.6	
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
FY Total	2,251,991	1,771,646	2,536,914	2,353,554	2,323,383	2,290,141	-1.4
% change		-21.3	43.2	-7.2	-1.3	-1.4	

**MONTH-WISE AND PROVINCE-WISE COMPARATIVE NUTRIENT OFFTAKE DURING KHARIF 2019,
RABI 2019-20 AND FINANCIAL YEAR 2019-20 COMPARED WITH PREVIOUS SEASONS/YEARS**

							(Tonnes)
MONTHS/ SEASONS	Kharif 2014 Rabi 2014-15 FY 2014-15	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	Percent change in Kharif 2019, Rabi 2019-20 and Fiscal Year 2019-20 over previous Months / seasons / years
PHOSPHATE							
April	19,174	22,875	36,937	37,631	28,865	32,738	13.4
May	42,458	45,685	34,979	27,999	28,030	72,588	159.0
June	25,296	44,324	22,116	60,653	70,388	59,645	-15.3
July	55,171	32,579	76,488	92,282	114,666	86,325	-24.7
August	49,772	11,657	55,274	34,146	30,076	41,100	36.7
September	46,402	4,800	38,370	133,181	73,510	78,816	7.2
Total Kharif	238,273	161,920	264,164	385,892	345,535	371,212	7.4
% change		-32.0	63.1	46.1	-10.5	7.4	
October	123,688	206,202	185,642	147,978	182,007	101,961	-44.0
November	152,839	203,094	244,478	180,030	95,531	134,097	40.4
December	88,308	65,007	74,880	59,800	68,097	70,704	3.8
January	33,799	26,452	31,045	43,231	33,832	21,015	-37.9
February	27,627	33,880	39,526	51,947	20,115	40,979	103.7
March	23,219	40,284	57,907	54,926	27,578	31,537	14.4
Total Rabi	449,480	574,919	633,478	537,912	427,160	400,293	-6.3
% change		27.9	10.2	-15.1	-20.6	-6.3	
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
FY Total	713,709	717,987	929,893	924,804	810,383	751,819	-7.2
% change		0.6	29.5	-0.5	-12.4	-7.2	
POTASH							
April	1,748	981	1,390	2,040	1,154	2,466	113.7
May	1,814	1,662	823	2,822	1,723	1,426	-17.2
June	867	2,800	321	1,631	1,435	1,819	26.8
July	1,460	657	1,427	2,922	5076	2,700	-46.8
August	1,006	264	980	2,375	2,798	2,596	-7.2
September	2,981	677	4,593	5,939	7,641	6,625	-13.3
Total Kharif	9,876	7,041	9,534	17,729	19,827	17,632	-11.1
% change		-28.7	35.4	86.0	11.8	-11.1	
October	2,413	2,725	4,066	6,370	5,003	4,053	-19.0
November	2,235	871	2,394	4,388	2,581	2,858	10.7
December	2,733	741	868	2,522	2,896	3,215	11.0
January	1,272	557	2,474	2,974	2,156	973	-54.9
February	1,372	2,229	4,688	2,565	2,607	4,563	75.0
March	2,127	1,711	3,088	2,804	2,520	2,181	-13.5
Total Rabi	12,152	8,834	17,578	21,623	17,763	17,843	0.5
% change		-27.3	99.0	23.0	-17.9	0.5	
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
FY Total	23,042	12,966	31,071	37,171	38,989	38,231	-1.9
% change		-43.7	139.6	19.6	4.9	-1.9	

MONTH-WISE AND PROVINCE-WISE COMPARATIVE NUTRIENT OFFTAKE DURING KHARIF 2019, RABI 2019-20 AND FINANCIAL YEAR 2019-20 COMPARED WITH PREVIOUS SEASONS/YEARS

							(Tonnes)
MONTHS/ SEASONS	Kharif 2014 Rabi 2014-15 FY 2014-15	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	Percent change in Kharif 2019, Rabi 2019-20 and Fiscal Year 2019- 20 over previous months / seasons / years
SINDH							
TOTAL							
April	22,393	55,955	56,042	52,267	64,407	58,565	-9.1
May	85,956	87,807	76,105	80,875	90,674	123,867	36.6
June	85,120	97,487	79,427	154,499	102,508	106,435	3.8
July	77,531	80,846	164,045	109,518	114,541	85,742	-25.1
August	91,521	65,183	89,949	133,596	63,713	91,886	44.2
September	63,659	26,229	57,698	60,869	108,002	62,843	-41.8
Total Kharif	426,180	413,507	523,266	591,624	543,845	529,338	-2.7
% change		-3.0	26.5	13.1	-8.1	-2.7	
October	80,226	115,162	111,386	121,675	144,945	52,376	-63.9
November	123,429	181,257	181,883	157,986	98,420	122,102	24.1
December	106,202	118,939	129,765	102,546	124,246	219,349	76.5
January	74,169	78,845	58,081	82,300	83,773	34,483	-58.8
February	58,435	43,347	52,952	53,438	52,363	67,568	29.0
March	59,027	25,886	52,441	46,834	44,126	41,377	-6.2
Total Rabi	501,488	563,436	586,508	564,779	547,873	537,255	-1.9
% change		12.4	4.1	-3.7	-3.0	-1.9	
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
FY Total	975,448	947,268	1,185,841	1,126,351	1,122,996	1,077,275	-4.1
% change		-2.9	25.2	-5.0	-0.3	-4.1	
NITROGEN							
April	16,886	43,316	38,508	36,533	50,431	42,616	-15.5
May	68,682	71,739	52,433	69,589	80,984	87,503	8.0
June	77,571	84,056	74,205	141,072	84,412	90,052	6.7
July	61,930	69,772	135,265	68,818	83,082	66,223	-20.3
August	79,450	58,072	77,138	121,506	50,747	78,626	54.9
September	56,240	23,945	44,930	35,430	89,793	42,654	-52.5
Total Kharif	360,759	350,900	422,479	472,948	439,449	407,674	-7.2
% change		-2.7	20.4	11.9	-7.1	-7.2	
October	53,331	58,804	64,837	79,420	82,464	26,595	-67.7
November	79,251	118,182	117,838	102,506	67,820	68,035	0.3
December	86,486	106,610	113,383	85,373	103,321	188,441	82.4
January	68,165	63,428	53,261	72,765	70,025	30,548	-56.4
February	51,192	36,271	40,157	41,168	46,223	57,752	24.9
March	52,466	15,166	30,211	29,286	36,178	29,545	-18.3
Total Rabi	390,891	398,461	419,687	410,518	406,031	400,916	-1.3
% change		1.9	5.3	-2.2	-1.1	-1.3	
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
FY Total	787,622	715,396	924,214	852,099	849,824	831,880	-2.1
% change		-9.2	29.2	-7.8	-0.3	-2.1	

**MONTH-WISE AND PROVINCE-WISE COMPARATIVE NUTRIENT OFFTAKE DURING KHARIF 2019,
RABI 2019-20 AND FINANCIAL YEAR 2019-20 COMPARED WITH PREVIOUS SEASONS/YEARS**

MONTHS/ SEASONS	Kharif 2014 Rabi 2014-15 FY 2014-15	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	(Tonnes)
							Percent change in Kharif 2019, Rabi 2019-20 and Fiscal Year 2019- 20 over previous months / seasons / years
PHOSPHATE							
April	5,199	12,214	17,271	14,962	13,428	15,443	15.0
May	16,801	15,580	23,379	10,815	9,299	35,976	286.9
June	7,165	12,879	5,121	13,183	17,958	15,849	-11.7
July	15,333	10,894	28,451	40,046	30,755	19,164	-37.7
August	11,503	6,885	12,469	11,440	12,566	12,761	1.6
September	6,753	1,913	12,351	24,007	16,613	19,661	18.3
Total Kharif	62,754	60,365	99,042	114,453	100,619	118,854	18.1
% change		-3.8	64.1	15.6	-12.1	18.1	
October	26,330	55,188	45,979	41,193	61,566	25,077	-59.3
November	43,491	62,173	63,107	54,303	29,735	53,176	78.8
December	19,179	11,943	15,886	16,927	19,815	29,727	50.0
January	5,844	15,323	4,670	8,997	13,261	3,816	-71.2
February	6,749	6,633	12,089	11,556	5,569	9,178	64.8
March	5,753	10,181	21,094	16,788	7,056	10,954	55.2
Total Rabi	107,346	161,441	162,825	149,764	137,002	131,928	-3.7
% change		50.4	0.9	-8.0	-8.5	-3.7	
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
FY Total	181,608	226,904	255,056	265,942	264,204	238,049	-9.9
% change		24.9	12.4	4.3	-0.7	-9.9	
POTASH							
April	308	424	262	773	548	506	-7.7
May	472	488	293	472	390	388	-0.5
June	384	552	101	245	138	533	286.2
July	269	179	329	654	704	355	-49.6
August	569	226	343	650	400	499	24.8
September	666	370	418	1,432	1,596	529	-66.9
Total Kharif	2,668	2,239	1,746	4,226	3,776	2,810	-25.6
% change		-16.1	-22.0	142.0	-10.6	-25.6	
October	566	1,170	570	1,062	915	703	-23.2
November	687	902	938	1,177	866	890	2.8
December	537	386	497	246	1,110	1,181	6.4
January	160	94	150	538	487	119	-75.6
February	494	444	706	714	572	639	11.7
March	807	539	1,135	759	892	878	-1.6
Total Rabi	3,251	3,535	3,996	4,496	4,842	4,410	-8.9
% change		8.7	13.0	12.5	7.7	-8.9	
April	424	262	773	548	506	690	36.4
May	488	293	472	390	388	299	-22.9
June	552	101	245	138	533	564	5.8
FY Total	6,219	4,966	6,576	8,308	8,969	7,346	-18.1
% change		-20.1	32.4	26.3	8.0	-18.1	

**MONTH-WISE AND PROVINCE-WISE COMPARATIVE NUTRIENT OFFTAKE DURING KHARIF 2019,
RABI 2019-20 AND FINANCIAL YEAR 2019-20 COMPARED WITH PREVIOUS SEASONS/YEARS**

(Tonnes)

MONTHS/ SEASONS	Kharif 2014 Rabi 2014-15 FY 2014-15	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	Percent change in Kharif 2019, Rabi 2019-20 and Fiscal Year 2019-20 over previous months / seasons / years
KP							
TOTAL							
April	14,653	19,772	17,933	13,233	13,968	13,685	-2.0
May	18,106	14,777	14,184	18,269	10,921	17,434	59.6
June	16,341	17,892	14,602	21,414	14,306	12,058	-15.7
July	15,547	12,149	25,842	10,515	13,855	15,457	11.6
August	20,232	12,078	21,899	11,467	11,694	17,966	53.6
September	18,394	8,838	11,726	13,635	15,077	15,139	0.4
Total Kharif	103,273	85,506	106,186	88,533	79,821	91,739	14.9
% change		-17.2	24.2	-16.6	-9.8	14.9	
October	26,385	17,284	23,407	18,885	23,156	13,096	-43.4
November	21,362	25,161	29,317	23,353	11,656	18,463	58.4
December	22,243	13,744	18,381	12,472	15,117	22,468	48.6
January	15,869	9,191	10,635	12,448	15,043	11,130	-26.0
February	15,823	12,297	13,915	13,101	12,917	16,686	29.2
March	16,129	16,243	17,065	19,232	16,262	17,014	4.6
Total Rabi	117,811	93,920	112,720	99,491	94,151	98,857	5.0
% change		-20.3	20.0	-11.7	-5.4	5.0	
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
FY Total	224,425	173,704	225,103	174,303	177,954	197,457	11.0
% change		-22.6	29.6	-22.6	2.1	11.0	
NITROGEN							
April	13,003	15,772	13,120	10,505	12,268	10,664	-13.1
May	15,290	10,516	10,774	15,436	9,804	13,883	41.6
June	13,257	14,356	13,396	19,508	11,004	9,777	-11.2
July	12,853	10,066	23,002	8,439	8,609	11,293	31.2
August	15,428	11,322	19,216	9,793	10,223	14,439	41.2
September	13,107	8,399	6,796	5,305	9,993	10,861	8.7
Total Kharif	82,938	70,431	86,304	68,986	61,901	70,917	14.6
% change		-15.1	22.5	-20.1	-10.3	14.6	
October	16,652	8,609	13,627	10,234	13,507	6,287	-53.5
November	13,876	15,596	19,327	14,680	7,330	12,700	73.3
December	16,615	11,669	13,886	9,864	12,765	21,076	65.1
January	13,524	8,262	8,741	10,161	12,888	9,634	-25.2
February	13,433	9,457	10,155	10,231	10,552	12,979	23.0
March	12,022	12,542	12,384	13,190	13,590	11,572	-14.8
Total Rabi	86,122	66,135	78,120	68,360	70,632	74,248	5.1
% change		-23.2	18.1	-12.5	3.3	5.1	
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
FY Total	168,154	133,212	172,583	124,973	133,781	150,702	12.6
% change		-20.8	29.6	-27.6	7.0	12.6	

**MONTH-WISE AND PROVINCE-WISE COMPARATIVE NUTRIENT OFFTAKE DURING KHARIF 2019,
RABI 2019-20 AND FINANCIAL YEAR 2019-20 COMPARED WITH PREVIOUS SEASONS/YEARS**

(Tonnes)

MONTHS / SEASONS	Kharif 2014 Rabi 2014-15 FY 2014-15	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	Percent change in Kharif 2019, Rabi 2019-20 and Fiscal Year 2019-20 over previous months / seasons / years
PHOSPHATE							
April	1,489	3,843	4,718	2,533	1,405	2,799	99.2
May	2,637	3,997	3,369	2,639	1,015	3,494	244.2
June	3,073	3,271	1,167	1,876	3,264	2,197	-32.7
July	2,587	2,037	2,789	2,029	4,999	4,061	-18.8
August	4,612	755	2,494	1,582	1,155	3,225	179.2
September	5,196	418	4,776	8,017	4,747	3,837	-19.2
Total Kharif	19,594	14,321	19,313	18,676	16,585	19,613	18.3
% change		-26.9	34.9	-3.3	-11.2	18.3	
October	9,564	8,518	9,729	8,526	9,327	6,735	-27.8
November	7,413	9,526	9,817	8,483	4,225	5,670	34.2
December	5,528	2,022	4,398	2,588	2,220	1,225	-44.8
January	2,217	891	1,667	2,028	1,862	1,409	-24.3
February	2,265	2,701	3,411	2,592	1,933	2,929	51.5
March	3,525	3,180	3,973	5,067	1,625	4,983	206.6
Total Rabi	30,512	26,838	32,995	29,284	21,192	22,951	8.3
% change		-12.0	22.9	-11.2	-27.6	8.3	
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
FY Total	54,018	39,302	50,102	46,596	40,583	43,898	8.2
% change		-27.2	27.5	-7.0	-12.9	8.2	
POTASH							
April	160	158	95	196	295	222	-24.7
May	179	264	41	194	102	56	-45.1
June	12	265	39	31	39	84	115.4
July	107	46	53	48	247	103	-58.3
August	192	1	189	92	317	302	-4.7
September	91	22	154	312	338	442	30.8
Total Kharif	741	756	571	873	1,338	1,209	-9.6
% change		2.0	-24.5	52.9	53.3	-9.6	
October	168	156	51	124	322	74	-77.0
November	74	39	173	190	101	93	-7.9
December	100	53	96	19	132	167	26.5
January	129	38	226	260	293	86	-70.6
February	125	139	348	278	432	778	80.1
March	582	520	709	975	1,047	459	-56.2
Total Rabi	1,178	945	1,603	1,846	2,327	1,657	-28.8
% change		-19.8	69.6	15.2	26.1	-28.8	
April	158	95	196	295	222	125	-43.7
May	264	41	194	102	56	31	-44.6
June	265	39	31	39	84	198	135.7
FY Total	2,255	1,189	2,420	2,734	3,591	2,858	-20.4
% change		-47.3	103.5	13.0	31.3	-20.4	

**MONTH-WISE AND PROVINCE-WISE COMPARATIVE NUTRIENT OFFTAKE DURING KHARIF 2019,
RABI 2019-20 AND FINANCIAL YEAR 2019-20 COMPARED WITH PREVIOUS SEASONS/YEARS**

(Tonnes)

MONTHS/ SEASONS	Kharif 2014 Rabi 2014-15 FY 2014-15	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	Percent change in Kharif 2019, Rabi 2019-20 and Fiscal Year 2019-20 over previous months / seasons / years
BALUCHISTAN							
TOTAL							
April	12,454	13,321	9,140	7,208	7,868	10,553	34.1
May	11,954	9,453	8,635	8,210	9,964	14,587	46.4
June	8,150	8,632	7,843	12,661	11,921	14,167	18.8
July	10,330	5,890	14,970	20,426	12,480	13,770	10.3
August	11,107	8,472	10,571	14,114	7,382	12,842	74.0
September	9,290	1,418	7,586	11,674	10,760	12,423	15.5
Total Kharif	63,285	47,186	58,745	74,293	60,375	78,342	29.8
% change		-25.4	24.5	26.5	-18.7	29.8	
October	13,008	8,620	9,940	14,002	12,823	15,436	20.4
November	11,623	7,953	13,913	17,406	13,377	19,614	46.6
December	8,546	5,724	17,843	11,870	16,920	33,612	98.7
January	8,337	3,793	13,414	9,852	7,602	10,811	42.2
February	8,284	2,658	7,699	8,642	10,024	14,306	42.7
March	15,795	5,557	7,011	8,995	9,537	9,409	-1.3
Total Rabi	65,593	34,305	69,820	70,767	70,283	103,188	46.8
% change		-47.7	103.5	1.4	-0.7	46.8	
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
FY Total	127,726	75,703	131,026	146,734	140,212	193,435	38.0
% change		-40.7	73.1	12.0	-4.4	38.0	
NITROGEN							
April	11,496	11,584	4,496	4,731	5,980	6,688	11.8
May	10,173	6,651	4,578	6,142	8,470	10,372	22.5
June	7,427	6,427	7,371	10,665	9,623	10,950	13.8
July	7,072	4,843	11,168	10,208	8,055	10,259	27.4
August	8,929	6,735	7,543	11,723	5,704	9,351	63.9
September	7,672	1,170	3,952	5,628	8,109	7,989	-1.5
Total Kharif	52,769	37,410	39,108	49,097	45,941	55,609	21.0
% change		-29.1	4.5	25.5	-6.4	21.0	
October	9,699	3,173	5,120	8,366	7,831	8,345	6.6
November	7,664	4,664	8,912	11,649	8,764	10,593	20.9
December	6,731	5,151	15,480	9,276	11,687	27,398	134.4
January	7,373	3,459	11,003	8,759	5,963	8,522	42.9
February	6,765	2,158	6,200	7,108	8,273	12,256	48.1
March	14,257	3,847	5,025	7,083	8,015	7,851	-2.0
Total Rabi	52,489	22,452	51,740	52,241	50,533	74,965	48.3
% change		-57.2	130.4	1.0	-3.3	48.3	
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
FY Total	100,824	51,645	95,941	103,873	100,411	141,794	41.2
% change		-48.8	85.8	8.3	-3.3	41.2	

**MONTH-WISE AND PROVINCE-WISE COMPARATIVE NUTRIENT OFFTAKE DURING KHARIF 2019,
RABI 2019-20 AND FINANCIAL YEAR 2019-20 COMPARED WITH PREVIOUS SEASONS/YEARS**

(Tonnes)

MONTHS/ SEASONS	Kharif 2014 Rabi 2014-15 FY 2014-15	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	Percent change in Kharif 2019, Rabi 2019-20 and Fiscal Year 2019-20 over previous months /seasons/ years
PHOSPHATE							
April	893	1,610	4,533	2,285	1,776	3,776	112.6
May	1,580	2,495	3,965	1,933	1,347	4,157	208.6
June	681	2,096	399	1,938	2,243	3,156	40.7
July	3,205	1,043	3,748	10,196	4,263	3,448	-19.1
August	2,100	1,712	2,965	2,274	1,601	3,374	110.7
September	1,573	221	3,547	5,763	2,191	4,274	95.1
Total Kharif	10,032	9,177	19,157	24,389	13,421	22,185	65.3
% change		-8.5	108.8	27.3	-45.0	65.3	
October	3,174	5,386	4,683	5,429	4,788	6,951	45.2
November	3,877	3,212	4,918	5,638	4,474	8,926	99.5
December	1,780	542	2,311	2,510	5,091	6,065	19.1
January	1,027	231	2,316	981	1,517	2,216	46.1
February	1,355	383	1,282	1,230	1,581	1,767	11.8
March	1,360	1,506	1,791	1,751	1,380	1,410	2.2
Total Rabi	12,573	11,260	17,301	17,539	18,831	27,335	45.2
% change		-10.4	53.7	1.4	7.4	45.2	
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
FY Total	25,652	23,133	33,717	41,138	37,975	49,886	31.4
% change		-9.8	45.8	22.0	-7.7	31.4	
POTASH							
April	66	126	111	193	112	89	-20.5
May	202	307	94	135	148	59	-60.1
June	42	109	74	58	55	62	12.7
July	54	4	55	22	162	63	-61.1
August	78	25	64	117	78	118	51.3
September	45	26	87	283	461	160	-65.3
Total Kharif	487	597	485	808	1,016	551	-45.8
% change		22.6	-18.8	66.6	25.7	-45.8	
October	135	61	138	206	204	141	-30.9
November	82	77	84	119	139	94	-32.4
December	36	31	52	83	142	149	4.9
January	37	102	95	112	123	73	-40.7
February	164	117	217	304	170	282	65.9
March	178	203	196	161	142	148	4.2
Total Rabi	632	591	782	985	920	887	-3.6
% change		-6.5	32.3	26.0	-6.6	-3.6	
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	424.2
FY Total	1,351	925	1,374	1,722	1,831	1,755	-4.2
% change		-31.5	48.5	25.3	6.3	-4.2	

MONTH-WISE PRODUCT-WISE OFFTAKE DURING 2018-19 AND 2019-20

(2018-19)

(Tonnes)

PRODUCT	SOURCE	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY.	JUN.	TOTAL
PRODUCT TONNES														
UREA	IMPORTED	-	-	-	-	-	23,664	70,683	10,779	-	-	-	-	105,126
UREA	FFC	263,258	224,607	296,453	248,674	248,169	325,693	198,559	180,315	204,784	116,925	350,298	346,189	3,003,924
UREA	DHCL	-	-	-	14,420	42,425	50,072	28,303	16,460	16,995	10,141	35,780	66,609	281,205
UREA	PAK-ARAB	458	-	10	22	60	216	-	-	-	-	-	-	766
UREA	EFERT	172,008	165,064	168,395	143,326	139,400	211,836	160,671	130,669	147,119	141,292	141,161	175,648	1,896,589
UREA	Agri Tech Limited (PAFL)	60	-	3,350	20,247	32,825	39,491	25,010	14,056	27,068	9,396	29,617	28,928	230,048
UREA	Fatima Fertilizer	60,850	41,025	14,209	38,382	34,044	59,918	80,426	35,918	12,495	14,671	35,669	25,203	452,810
UREA	TOTAL	496,634	430,696	482,417	465,071	496,923	710,890	563,652	388,197	408,461	292,425	592,525	642,577	5,970,468
NP	Imported	-	-	-	-	3,560	4,340	309	1,032	285	225	60	25	9,837
NP	PAK-ARAB	13	-	-	-	-	8	-	-	-	0	-	300	321
NP	EFERT	7,140	349	189	4,833	4,397	10,282	4,846	1,661	2,691	3,091	9,775	6,827	56,081
NP	Fatima Fertilizer	49,018	32,817	7,062	42,171	23,346	15,109	48,800	13,274	14,237	61,404	58,007	18,294	383,539
NP	TOTAL	56,171	33,166	7,251	47,004	31,303	29,739	53,955	15,967	17,213	64,720	67,842	25,446	449,778
SSP	Imported	4312	1,084	1,163	3,458	1,652	745	801	369	2,334	1,360	1,773	3,722	22,773
SSP	LCFL	-	-	-	-	-	-	-	-	-	-	-	-	0
SSP	Agri Tech Limited (PAFL)	4,656	1,382	6,090	15,091	15,855	4,416	2,560	2,140	2,182	1,714	90	1,991	58,167
SSP	Suraj Fertilizer	863	290	2,446	5,499	4,875	987	966	347	520	783	1,278	1,603	20,457
SSP	Safi Chemicals	-	-	-	-	-	-	-	133	474	-	-	-	607
SSP	TOTAL	9,831	2,756	9,699	24,048	22,382	6,148	4,327	2,989	5,510	3,857	3,141	7,316	102,004
DAP	IMPORTED	180631	62,003	125,754	417,977	177,991	111,747	63,371	37,030	50,230	60,656	135,903	96,377	1,519,670
DAP	FFC-SONA	121,159	17,064	73,191	103,272	86,595	77,298	11,250	11,503	15,245	25,514	77,121	61,366	680,578
DAP	TOTAL	301,790	79,067	198,945	521,249	264,586	189,045	74,621	48,533	65,475	86,170	213,024	157,743	2,200,248
CAN	PAK-ARAB	27,887	13,526	6,542	4,064	1,972	4,725	766	1,690	1,414	2,673	250	34	65,543
CAN	Fatima Fertilizer	71,372	44,385	11,907	30,896	21,290	40,003	77,497	44,369	20,529	46,024	45,301	21,682	475,255
CAN	TOTAL	99,259	57,911	18,449	34,960	23,262	44,728	78,263	46,059	21,943	48,697	45,551	21,716	540,798
TSP	IMPORTED	-	-	-	-	-	-	-	-	-	-	-	-	-
SOP	Domestic	-	-	-	-	-	-	-	-	-	417	473	5	895
SOP	IMPORTED	4,987	3,008	8,839	4,109	2,324	5,821	2,142	2,849	3,271	1,850	1,136	1349	41,686
SOP	TOTAL	4,987	3,008	8,839	4,109	2,324	5,821	2,142	2,849	3,271	2,267	1,609	1,354	42,581
MAP	IMPORTED	-	-	-	-	-	-	4,334	2,808	1,362	865	6,210	1,858	17,437
MOP	IMPORTED	4,439	2,133	6,360	3,635	2,740	1,864	2,205	1,956	1,490	2,022	653	1,762	31,259
NPKs	EFERT	5,811	4,603	10,193	12,320	4,998	1,397	3,851	6,577	11,064	5,376	4,094	4,259	74,543
NPKs	Safi Chemicals	-	-	-	-	-	-	-	-	-	-	-	-	-
AS	IMPORTED	752	3,239	2,125	4,965	4,652	6,199	7,310	4,120	4,330	5,759	5,696	5,920	55,067
	GRAND TOTAL	979,674	616,579	744,278	1,117,361	853,171	995,831	794,660	520,056	540,119	512,158	940,345	869,951	9,484,182

MONTH-WISE PRODUCT-WISE OFFTAKE DURING 2018-19 AND 2019-20

(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

**MONTH-WISE AND PROVINCE-WISE COMPARATIVE OFFTAKE OF PRINCIPAL RPDODUCTS
(UREA, & DAP) DURING KHARIF 2019, RABI 2019-20 AND FISCAL YEAR 2019-20 COMPARED
WITH PREVIOUS SEASONS/YEARS**

(Tonnes)

MONTHS	Kharif 2014 Rabi 2014-15 FY 2014-15	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	Percent change in Kharif 2019, Rabi 2019-20 and FY 2019-20 over previous year
PAKISTAN							
UREA							
April	257,578	366,661	213,012	249,865	375,459	292,425	-22.1
May	408,100	421,760	250,623	520,902	493,808	592,525	20.0
June	512,053	566,537	590,385	1,059,648	608,109	642,577	5.7
July	486,684	447,478	777,875	339,002	496,634	465,496	-6.3
August	630,891	428,920	573,701	884,858	430,696	625,424	45.2
September	420,203	193,013	297,856	179,813	482,417	405,306	-16.0
Total Kharif	2,715,509	2,424,369	2,703,452	3,234,088	2,887,123	3,023,753	4.7
% change		-10.7	11.5	19.6	-10.7	4.7	
October	407,717	197,090	360,173	375,386	465,071	121,359	-73.9
November	467,181	623,023	764,119	601,671	496,923	380,729	-23.4
December	655,555	838,674	897,552	715,685	710,890	1,345,359	89.2
January	628,873	346,439	406,265	539,216	563,652	261,747	-53.6
February	455,581	315,020	257,117	370,014	388,197	460,447	18.6
March	429,070	114,295	206,831	342,093	408,461	302,500	-25.9
Total Rabi	3,043,977	2,434,541	2,892,057	2,944,065	3,033,194	2,872,141	-5.3
% change		-20.0	18.8	1.8	3.0	-5.3	
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
FY Total	5,936,713	4,557,972	6,371,904	5,825,114	5,970,468	6,015,274	0.8
% change		-23.2	39.8	-8.6	2.5	0.8	
DAP							
April	44,402	69,544	104,833	95,697	68,800	86,170	25.2
May	108,439	109,545	106,292	70,716	62,513	213,024	240.8
June	60,436	111,633	42,892	111,754	189,898	157,743	-16.9
July	146,906	81,859	199,259	283,116	301,790	202,033	-33.1
August	121,373	33,776	134,423	77,767	79,067	105,295	33.2
September	104,685	6,803	109,144	353,626	198,945	209,871	5.5
Total Kharif	586,241	413,160	696,843	992,676	901,013	974,136	8.1
% change		-29.5	68.7	42.5	-9.2	8.1	
October	323,842	535,974	501,085	387,095	521,251	270,917	-48.0
November	409,189	537,451	631,435	501,796	264,586	404,219	52.8
December	220,941	132,359	162,277	150,476	189,045	193,312	2.3
January	72,050	76,534	61,111	92,209	74,621	43,724	-41.4
February	63,602	71,342	97,636	122,431	48,533	87,562	80.4
March	47,871	92,903	154,051	150,156	65,475	79,220	21.0
Total Rabi	1,137,495	1,446,563	1,607,595	1,404,163	1,163,511	1,078,954	-7.3
% change		27.2	11.1	-12.7	-17.1	-7.3	
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
FY Total	1,801,181	1,823,018	2,328,588	2,439,883	2,200,250	1,983,680	-9.8
% change		1.2	27.7	4.8	-9.8	-9.8	

Continued

**MONTH-WISE AND PROVINCE-WISE COMPARATIVE OFFTAKE OF PRINCIPAL RPDODUCTS
(UREA, & DAP) DURING KHARIF 2019, RABI 2019-20 AND FISCAL YEAR 2019-20 COMPARED
WITH PREVIOUS SEASONS/YEARS**

(Tonnes)

MONTHS	Kharif 2014 Rabi 2014-15 FY 2014-15	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	Percent change in Kharif 2019, Rabi 2019-20 and FY 2019-20 over previous year
PUNJAB							
UREA							
April	178,612	238265	127727	166078	258152	197975	-23.3
May	236,425	267,242	148,173	356,255	301,045	399,861	32.8
June	326,322	372,696	394,465	729,309	403,817	423,733	4.9
July	331,126	279,551	447,907	202,927	328,517	309,388	-5.8
August	428349	281,489	370,601	598,953	308,046	428,184	39.0
September	269985	125,676	204,483	119,861	271,512	299,846	10.4
Total Kharif	1,770,819	1,564,919	1,693,356	2,173,383	1,871,089	2,058,987	10.0
% change		-11.6	8.2	28.3	-13.9	10.0	
October	272982	117984	239911	224845	318097	74133	-76.7
November	304,837	395,565	528,850	394,501	357,794	252,291	-29.5
December	449,971	592,684	630,370	524,440	463,594	875,921	88.9
January	447,130	198,419	264,415	357,302	393,162	166,952	-57.5
February	314,450	223,601	158,625	262,125	260,365	302,990	16.4
March	274,415	63,255	135,723	260,446	298,227	224,754	-24.6
Total Rabi	2,063,785	1,591,508	1,957,894	2,023,659	2,091,239	1,897,041	-9.3
% change		-22.9	23.0	3.4	3.3	-9.3	
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
FY Total	3,971,448	2,948,589	4,232,527	3,908,414	4,020,883	3,991,521	-0.7
% change		-25.8	43.5	-7.7	2.9	-0.7	
DAP							
April	31,913	39,746	60,599	64,240	44,195	55,403	25.4
May	74,011	73,135	53,736	46,863	43,691	135,635	210.4
June	43,295	77,154	33,164	86,124	142,447	116,870	-18.0
July	104,099	54,473	133,609	178,063	222,575	157,163	-29.4
August	87,562	15,855	101,004	52,548	52,093	71,104	36.5
September	81,487	3,835	71,383	279,420	151,691	155,557	2.5
Total Kharif	422,368	264,198	453,495	707,258	656,692	691,732	5.3
% change		-37.4	71.6	56.0	-7.1	5.3	
October	246,919	408,855	384,802	286,494	370,771	196,919	-46.9
November	301,984	391,813	486,493	363,911	189,575	271,446	43.2
December	170,033	108,760	123,569	111,108	135,689	129,255	-4.7
January	56,329	42,113	48,874	72,494	47,274	32,038	-32.2
February	47,138	54,391	68,675	96,190	34,302	67,138	95.7
March	34,121	67,989	107,220	108,465	51,083	56,425	10.5
Total Rabi	856,522	1,073,921	1,219,633	1,038,662	828,694	753,221	-9.1
% change		25.4	13.6	-14.8	-20.2	-9.1	
April	39745.7	60,599	64,240	44,195	55,403	103,408	86.6
May	73135.4	53,736	46,863	43,691	135,635	39,170	-71.1
June	77153.6	33,164	86,124	142,447	116,870	115,617	-1.1
FY Total	1,319,706	1,295,583	1,722,856	1,779,026	1,562,961	1,395,240	-10.7
% change		-1.8	33.0	3.3	-12.1	-10.7	

Continued

**MONTH-WISE AND PROVINCE-WISE COMPARATIVE OFFTAKE OF PRINCIPAL RPDODUCTS
(UREA, & DAP) DURING KHARIF 2019, RABI 2019-20 AND FISCAL YEAR 2019-20 COMPARED
WITH PREVIOUS SEASONS/YEARS**

(Tonnes)

MONTHS	Kharif 2014 Rabi 2014-15 FY 2014-15	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	Percent change in Kharif 2019, Rabi 2019-20 and FY 2019-20 over previous year
SINDH							
UREA							
April	28,355	74,499	56,778	56,349	81,396	64,728	-20.5
May	120,959	124,079	77,770	122,735	155,726	148,501	-4.6
June	145,579	154,513	153,098	269,302	164,542	178,950	8.8
July	117,269	138,144	262,996	106,516	140,360	117,817	-16.1
August	155,922	110,425	150,771	243,184	91,141	152,391	67.2
September	111,412	47,305	78,327	49,085	177,817	72,164	-59.4
Total Kharif	679,496	648,965	779,740	847,171	810,982	734,551	-9.4
% change		-4.5	20.2	8.6	-4.3	-9.4	
October	88,663	66,185	93,987	123,954	113,587	29,195	-74.3
November	125,164	195,245	187,881	162,266	112,123	91,727	-18.2
December	161,939	212,205	210,933	154,436	201,360	371,327	84.4
January	140,237	123,751	103,939	144,230	133,447	59,448	-55.5
February	101,210	69,485	68,615	74,313	90,702	108,160	19.2
March	103,048	20,874	39,863	44,557	67,455	45,962	-31.9
Total Rabi	720,261	687,745	705,218	703,756	718,674	705,819	-1.8
% change		-4.5	2.5	-0.2	2.1	-1.8	
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
FY Total	1,457,955	1,271,265	1,645,698	1,504,205	1,520,171	1,490,800	-1.9
% change		-12.8	29.5	-8.6	1.1	-1.9	
DAP							
April	8,294	19,307	26,508	23,620	19,967	19,969	0.0
May	27,298	25,068	40,337	15,867	14,897	63,600	326.9
June	12,277	24,539	8,320	19,990	36,537	29,911	-18.1
July	30,725	21,329	54,825	80,013	60,346	32,014	-46.9
August	20,989	12,893	23,720	18,182	22,421	21,864	-2.5
September	11,391	2,106	22,845	46,572	33,093	38,613	16.7
Total Kharif	110,974	105,242	176,555	204,244	187,261	205,971	10.0
% change		-5.2	67.8	15.7	-8.3	10.0	
October	51,708	99,527	89,943	74,414	122,406	47,697	-61.0
November	85,186	122,011	118,020	110,287	57,594	104,065	80.7
December	36,890	19,478	27,875	29,477	39,348	49,736	26.4
January	10,461	32,387	6,425	14,962	21,658	5,480	-74.7
February	10,327	11,665	21,566	20,237	8,493	14,383	69.4
March	6,238	18,064	37,381	29,718	11,223	17,218	53.4
Total Rabi	200,810	303,132	301,210	279,095	260,722	238,579	-8.5
% change		51.0	-0.6	-7.3	-6.6	-8.5	
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
FY Total	332,830	414,625	462,077	495,263	490,062	422,235	-13.8
% change		24.6	11.4	7.2	-1.1	-13.8	

Continued

**MONTH-WISE AND PROVINCE-WISE COMPARATIVE OFFTAKE OF PRINCIPAL RPDODUCTS
(UREA, & DAP) DURING KHARIF 2019, RABI 2019-20 AND FISCAL YEAR 2019-20 COMPARED
WITH PREVIOUS SEASONS/YEARS**

(Tonnes)

MONTHS	Kharif 2014 Rabi 2014-15 FY 2014-15	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	Percent change in Kharif 2019, Rabi 2019-20 and FY 2019-20 over previous year
KP							
UREA							
April	26,559	30,342	23,619	19,853	24,913	19,287	-22.6
May	30,421	18,340	19,648	30,816	20,150	26,307	30.6
June	24,696	27,929	27,805	40,065	21,161	18,999	-10.2
July	25,706	20,154	47,101	16,534	14,222	20,105	41.4
August	29,267	23,867	38,797	19,544	20,989	27,862	32.7
September	23,576	17,735	9,814	4,095	17,548	19,831	13.0
Total Kharif	160,225	138,367	166,784	130,907	118,983	132,391	11.3
% change		-13.6	20.5	-21.5	-9.1	11.3	
October	27,913	10,785	19,860	13,750	21,004	6,637	-68.4
November	23,994	25,646	32,895	24,674	12,126	21,983	81.3
December	30,842	23,212	25,935	19,234	25,436	44,430	74.7
January	26,823	17,129	17,252	19,901	25,788	19,405	-24.8
February	26,666	17,800	18,382	19,717	20,879	25,102	20.2
March	21,933	23,722	22,351	23,430	27,039	21,501	-20.5
Total Rabi	158,171	118,294	136,675	120,706	132,272	139,058	5.1
% change		-25.2	15.5	-11.7	9.6	5.1	
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
FY Total	313,331	251,122	323,121	227,103	249,624	281,729	12.9
% change		-19.9	28.7	-29.7	9.9	12.9	
DAP							
April	2,520	7,357	8,735	4,045	1,694	3,829	126.0
May	4,479	6,245	5,416	4,619	1,584	6,480	309.1
June	3,469	5,731	1,361	2,253	6,657	4,435	-33.4
July	5,230	3,843	4,345	3,683	10,381	7,513	-27.6
August	8,695	1,358	3,684	2,669	2,012	5,791	187.8
September	8,585	452	7,761	16,066	9,929	6,795	-31.6
Total Kharif	32,978	24,985	31,302	33,335	32,257	34,843	8.0
% change		-24.2	25.3	6.5	-3.2	8.0	
October	18,713	16,296	17,400	15,686	18,744	12,537	-33.1
November	13,928	17,585	17,237	15,840	8,335	10,723	28.7
December	10,700	3,245	7,441	5,185	3,880	2,387	-38.5
January	3,440	1,749	2,952	3,331	3,070	2,645	-13.8
February	3,723	4,792	5,792	4,379	3,002	3,884	29.4
March	5,057	4,749	6,453	8,892	1,078	3,677	241.1
Total Rabi	55,561	48,416	57,275	53,313	38,109	35,853	-5.9
% change		-12.9	18.3	-6.9	-28.5	-5.9	
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
FY Total	97,404	69,581	83,982	85,666	75,175	72,799	-3.2
% change		-28.6	20.7	2.0	-12.2	-3.2	

Continued

**MONTH-WISE AND PROVINCE-WISE COMPARATIVE OFFTAKE OF PRINCIPAL RPDODUCTS
(UREA, & DAP) DURING KHARIF 2019, RABI 2019-20 AND FISCAL YEAR 2019-20 COMPARED
WITH PREVIOUS SEASONS/YEARS**

(Tonnes)

MONTHS	Kharif 2014 Rabi 2014-15 FY 2014-15	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	Percent change in Kharif 2019, Rabi 2019-20 and FY 2019-20 over previous year
BALUCHISTAN							
UREA							
April	24,052	23,555	4,888	7,585	10,933	10,430	-4.6
May	20,295	12,099	5,032	11,096	16,887	17,781	5.3
June	15,456	11,399	15,017	20,972	18,589	20,895	12.4
July	12,583	9,629	19,871	13,025	13,535	18,064	33.5
August	17,353	13,139	13,532	23,177	10,520	16,960	61.2
September	15,230	2,297	5,232	6,772	15,540	13,465	-13.4
Total Kharif	104,969	72,118	63,572	82,627	86,004	97,595	13.5
% change		-31.3	-11.9	30.0	4.1	13.5	
October	18,159	2136	6415	12837	12383	11394	-8.0
November	13,186	6,567	14,493	20,230	14,880	14,728	-1.0
December	12,803	10,573	30,314	17,575	20,500	53,681	161.9
January	14,683	7,140	20,659	17,771	11,250	15,942	41.7
February	13,255	4,134	11,495	13,859	16,183	24,195	49.5
March	29,549	6,444	8,894	13,510	15,706	10,283	-34.5
Total Rabi	101,635	36,994	92,270	95,782	90,902	130,223	43.3
% change		-63.6	149.4	3.8	-5.1	43.3	
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
FY Total	193,854	86,996	170,558	185,165	179,603	251,075	39.8
% change		-55.1	96.1	8.6	-3.0	39.8	
DAP							
April	1,675	3,135	8,991	3,793	2,943	6,967	136.7
May	2,651	5,097	6,803	3,346	2,340	7,304	212.1
June	1,395	4,209	47	3,382	4,257	6,527	53.3
July	6,851	2215	6481	21356	8,488	5,343	-37.1
August	4,126	3670	6016	4368	2,541	6,536	157.2
September	3,222	411	7,155	11,568	4,232	8,906	110.4
Total Kharif	19,921	18,737	35,493	47,813	24,801	41,583	67.7
% change		-5.9	89.4	34.7	-48.1	67.7	
October	6,501	11,296	8,940	10,496	9,330	13764	47.5
November	8,092	6,042	9,686	11,758	9,084	17,985	98.0
December	3,319	876	3,392	4,706	10,128	11,934	17.8
January	1,820	285	2,861	1,422	2,620	3,560	35.9
February	2,414	493	1,604	1,626	2,737	2,157	-21.2
March	2,455	2,101	2,997	3,080	2,086	1,900	-8.9
Total Rabi	24,601	21,093	29,480	33,088	35,985	51,300	42.6
% change		-14.3	39.8	12.2	8.8	42.6	
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
FY Total	51,242	43,230	59,653	79,920	72,044	93,404	29.6
% change		-15.6	38.0	34.0	-9.9	29.6	

PROVINCE WISE AND MONTH WISE FERTILIZER OFFTAKE DURING KHARIF 2019, RABI 2019-20 AND FISCAL YEAR 2019-20

												(Tonnes)
Month/ Season	UREA	DAP	NP	CAN	SSP	TSP	SOP	MAP	MOP	AS	NPK's	TOTAL
PUNJAB												
Kharif 2019												
April	197,975	55,403	30,387	38,463	2,755	-	2,011	640	1,960	4,203	1,604	335,401
May	399,861	135,635	38,441	38,593	1,919	-	1,443	3,326	602	3,873	1,917	625,610
June	423,733	116,870	19,300	18,513	4,666	-	1,018	1,329	1,519	4,630	2,231	593,809
July	309,388	157,163	51,533	41,725	2,075	-	1,949	2,158	1,896	6,455	3,350	577,692
Aug	428,184	71,104	29,358	33,854	2,029	-	1,290	1,039	2,177	4,924	3,681	577,640
Sep	299,846	155,557	11,742	7,866	8,871	-	5,990	2,590	3,890	2,972	7,246	506,570
Total	2,058,987	691,732	180,761	179,014	22,315	-	13,701	11,082	12,044	27,057	20,029	3,216,722
Rabi 2019-20												
Oct	74,133	196,919	28,931	17,233	16,654	-	3,017	1,682	3,119	4,462	3,763	349,913
Nov	252,291	271,446	25,230	24,229	9,045	-	3,075	2,613	1,608	3,658	1,992	595,187
Dec	875,921	129,255	43,871	39,005	565	-	4,447	1,445	1,234	5,547	1,416	1,102,706
Jan	166,952	32,038	24,579	37,873	1,924	-	913	353	729	2,545	444	268,350
Feb	302,990	67,138	33,708	57,627	3,718	-	3,018	1,587	3,587	4,995	4,750	483,118
Mar	224,754	56,425	18,856	23,960	1,330	-	1,908	1,065	1,349	3,163	2,239	335,049
Total	1,897,041	753,221	175,175	199,927	33,236	-	16,378	8,745	11,626	24,370	14,604	3,134,323
April	159,520	103,408	42,821	36,686	3,716	-	2,925	1,453	1,169	5,114	2,486	359,298
May	158,770	39,170	14,430	14,605	2,311	-	2,821	422	1,061	2,773	1,091	237,454
Jun	738,772	115,617	47,287	52,600	8,877	-	3,397	926	2,219	8,813	3,240	981,748
Fiscal Year 2019-20	3,991,521	1,395,240	372,346	387,263	61,115	-	34,750	17,333	24,038	55,421	35,698	6,374,725

PROVINCE WISE AND MONTH WISE FERTILIZER OFFTAKE DURING KHARIF 2019, RABI 2019-20 AND FISCAL YEAR 2019-20

(Tonnes)

Month/ Season	UREA	DAP	NP	CAN	SSP	TSP	SOP	MAP	MOP	AS	NPK's	TOTAL
SINDH												
Kharif 2019												
April	64,728	19,969	27,767	10,214	890	-	220	225	12	605	2,295	126,925
May	148,501	63,600	23,444	6,958	1,144	-	145	2,846	8	1,173	1,733	249,552
June	178,950	29,911	5,035	2,954	2,563	-	280	527	146	1,038	1,693	223,097
July	117,817	32,014	15,004	9,307	1,524	-	75	856	135	642	1,321	178,695
Aug	152,391	21,864	8,316	8,533	44	-	140	781	144	626	1,909	194,748
Sep	72,164	38,613	5291	3462	103	-	276	604.00	114	364	1819	122,810
Total	734,551	205,971	84,857	41,428	6,268	-	1,136	5,839	559	4,448	10,770	1,095,828
Rabi 2019-20												
Oct	29,195	47,697	11,343	6,058	83	-	421	242	207	567	2,016	97,829
Nov	91,727	104,065	16,241	10,157	16	-	691	2,081	133	910	2,536	228,557
Dec	371,327	49,736	26,103	8,126	2	-	1,479	1,046	271	1,185	1,546	460,821
Jan	59,448	5,480	5,132	3,505	-	-	39	43	41	334	423	74,445
Feb	108,160	14,383	8,558	11,695	40	-	216	339	140	397	2,339	146,267
Mar	45,962	17,218	9,521	9,693	-	-	569	691	99	942	2,768	87,463
Total	705,819	238,579	76,898	49,234	141	-	3,415	4,442	891	4,335	11,628	1,095,382
April	45,048	39,913	32,096	22,684	-	-	413	1,855	70	359	2,718	145,156
May	58,607	16,294	12,835	5,296	30	-	149	510	11	399	1,159	95,290
Jun	338,954	34,958	4,785	13,860	150	-	380	656	122	2,357	1,606	397,828
Fiscal Year 2019-20	1,490,800	422,235	155,225	112,376	1,992	-	4,848	9,704	1,487	9,082	22,160	2,229,909

PROVINCE WISE AND MONTH WISE FERTILIZER OFFTAKE DURING KHARIF 2019, RABI 2019-20 AND FISCAL YEAR 2019-20

(Tonnes)

Month/ Season	UREA	DAP	NP	CAN	SSP	TSP	SOP	MAP	MOP	AS	NPK's	TOTAL
KP												
Kharif 2019												
April	19,287	3,829	3,751	20	161	-	10	-	20	723	1,145	28,946
May	26,307	6,480	2,280	-	61	-	6	3	29	434	203	35,803
June	18,999	4,435	551	249	37	-	18	-	68	130	196	24,683
July	20,105	7,513	2,415	-	88	-	36	-	90	520	182	30,949
Aug	27,862	5,791	2,109	1	122	-	241	-	229	312	251	36,918
Sep	19,831	6,795	1455	0	683	-	374	1	80	223	1164	30,606
Total	132,391	34,843	12,561	270	1,152	-	685	4	516	2,342	3,141	187,905
Rabi 2019-20												
Oct	6,637	12,537	4,022	30	160	-	37	-	71	156	76	23726
Nov	21,983	10,723	2,286	65	934	-	31	-	59	352	250	36,683
Dec	44,430	2,387	486	155	-	-	206	-	84	207	82	48,037
Jan	19,405	2,645	586	235	220	-	18	-	100	94	101	23,404
Feb	25,102	3,884	1,700	68	420	-	278	-	103	61	3,760	35,376
Mar	21,501	3,677	2,912	350	180	-	177	-	120	455	1,895	31,267
Total	139,058	35,853	11,992	903	1,914	-	747	-	537	1,325	6,164	198,493
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	19,501
Jun	35,364	10,523	1,718	1,045	1,045	-	113	-	150	1,346	277	51,581
Fiscal Year 2019-20	281,729	72,799	24,470	2,599	6,332	-	1,604	10	1,166	4,501	8,402	403,612

PROVINCE WISE AND MONTH WISE FERTILIZER OFFTAKE DURING KHARIF 2019, RABI 2019-20 AND FISCAL YEAR 2019-20

(Tonnes)

Month/ Season	UREA	DAP	NP	CAN	SSP	TSP	SOP	MAP	MOP	AS	NPK's	TOTAL
BALOCHISTAN												
Kharif 2019												
April	10,430	6,967	2,475	-	51	-	26	-	30	228	332	20,538
May	17,781	7,304	3,628	-	17	-	15	35	15	216	241	29,251
June	20,895	6,527	560	-	50	-	38	2	29	122	139	28,362
July	18,064	5,343	4,175	-	9	-	39	13	45	81	92	27,861
Aug	16,960	6,536	1,201	-	-	-	20	27	58	129	424	25,355
Sep	13,465	8,906	410	-	-	-	72	3	74	106	463	23,499
Total	97,595	41,583	12,449	-	127	-	209	80	250	882	1,691	154,866
Rabi 2019-20												
Oct	11,394	13,764	2,497	-	-	-	44	-	131	92	230	28,152
Nov	14,728	17,985	2,176	-	-	-	9	111	18	65	449	35,541
Dec	53,681	11,934	2,156	-	-	-	129	-	36	123	348	68,407
Jan	15,942	3,560	2,153	-	-	-	-	-	10	53	376	22,094
Feb	24,195	2,157	2,503	-	-	-	47	-	58	135	1,157	30,252
Mar	10,283	1,900	1,903	-	-	-	41	-	40	120	538	14,825
Total	130,223	51,300	13,388	-	-	-	270	111	293	588	3,098	199,271
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
Jun	51,835	14,851	2,197	30	-	-	257	-	190	2,129	440	71,929
Fiscal Year 2019-20	251,075	93,404	25,871	30	9	-	764	350	735	3,226	5,111	380,575
PAKISTAN												
Kharif 2019	3,023,753	974,136	291,176	220,712	29,862	-	15,732	17,005	13,369	34,729	35,631	4,656,105
Rabi 2019-20	2,872,141	1,078,953	277,453	250,064	35,291	-	20,810	13,298	13,347	30,618	35,494	4,627,469
Fiscal Year 2019-20	6,015,274	1,983,678	578,230	502,268	69,448	-	41,966	27,397	27,426	72,230	71,371	9,389,288

NUTRIENT SUPPLY/DEMAND SITUATION DURING APRIL 2019 TO JUNE 2020

	(Tonnes)			
DESCRIPTION	NITROGEN	PHOSPHATE	POTASH	TOTAL
APRIL 2019				
Opening Balance	206,783	319,513	17,409	543,705
Domestic production	257,012	43,773	1,579	302,365
Imports	7,574	16,303	3,088	26,965
Total Availability	471,369	379,589	22,077	873,035
Offtake	178,919	54,835	3,283	237,037
Export	-	-	-	-
Adjustments (+)	1,435	3,463	-	4,898
Adjustments (-)	1,400	3,577	1	4,978
National Inventory	292,485	324,640	18,793	635,917
MAY 2019				
Opening Balance	292,485	324,640	18,793	635,917
Domestic production	277,127	45,599	1,324	324,050
Imports	5,384	12,288	2,968	20,640
Total Availability	574,995	382,527	23,085	980,607
Offtake	340,029	116,228	1,929	458,186
Export	-	-	-	-
Adjustments (+)	2274	5,819	1	8,095
Adjustments (-)	2316	5919	1	8,236
National Inventory	234,924	266,199	21,156	522,279
JUNE 2019				
Opening Balance	234,924	266,199	21,156	522,279
Domestic production	289,361	42,251	1,717	333,329
Imports	16,317	38,654	2,244	57,214
Total Availability	540,602	347,104	25,117	912,823
Offtake	337,156	80,847	2,498	420,501
Export	-	-	-	-
Adjustments (+)	2926	7317	-	10,243
Adjustments (-)	3762	5141	0.2	8,903
National Inventory	202,611	268,433	22,618	493,662

NUTRIENT SUPPLY/DEMAND SITUATION DURING APRIL 2019 TO JUNE 2020

	(Tonnes)			
DESCRIPTION	NITROGEN	PHOSPHATE	POTASH	TOTAL
JULY 2019				
Opening Balance	202,611	268,433	22,618	493,662
Domestic production	296,195	47,367	1,049	344,611
Imports	54,502	15,088	1,958	71,547
Total Availability	553,307	330,888	25,625	909,820
Offtake	283,188	113,014	3,221	399,423
Export	-	-	-	-
Adjustments (+)	3,793	2,283	-	6,076
Adjustments (-)	3,285	4,374	-	7,659
National Inventory	270,627	215,783	22,404	508,814
AUGUST 2019				
Opening Balance	270,627	215,783	22,404	508,814
Domestic production	297,423	47,331	1,000	345,753
Imports	6,680	15,452	2,744	24,876
Total Availability	574,730	278,566	26,147	879,444
Offtake	329,410	60,481	3,516	393,407
Export	-	-	-	-
Adjustments (+)	1,076	2,155	-	3,232
Adjustments (-)	1,677	2,855	-	4,532
National Inventory	244,719	217,386	22,631	484,736
SEPTEMBER 2019				
Opening Balance	244,719	217,386	22,631	484,736
Domestic production	288,095	47,714	2,315	338,123
Imports	27,434	62,348	2,865	92,647
Total Availability	560,248	327,448	27,811	915,507
Offtake	233,871	106,587	7,755	348,213
Export	-	-	-	-
Adjustments (+)	3,594	8,302	0	11,897
Adjustments (-)	3,255	8,302	581	12,138
National Inventory	326,716	220,861	19,476	567,053

NUTRIENT SUPPLY/DEMAND SITUATION DURING APRIL 2019 TO JUNE 2020

	(Tonnes)			
DESCRIPTION	NITROGEN	PHOSPHATE	POTASH	TOTAL
OCTOBER 2019				
Opening Balance	326,716	220,861	19,476	567,053
Domestic production	278,272	45,647	819	324,738
Imports	86,995	222,875	3,361	313,230
Total Availability	691,983	489,383	23,655	1,205,021
Offtake	123,424	140,724	4,971	269,119
Export	-	-	-	-
Adjustments (+)	4,465	11,402	1	15,868
Adjustments (-)	5,844	14,053	-	19,897
National Inventory	567,179	346,008	18,685	931,873
NOVEMBER 2019				
Opening Balance	567,179	346,008	18,685	931,873
Domestic production	269,939	41,393	1,100	312,432
Imports	45,039	113,758	1,190	159,987
Total Availability	882,158	501,159	20,976	1,404,292
Offtake	269,619	201,869	3,936	475,424
Export	-	-	-	-
Adjustments (+)	4,952	12,636	0	17,589
Adjustments (-)	4,945	12,636	-	17,581
National Inventory	612,546	299,291	17,040	928,877
DECEMBER 2019				
Opening Balance	612,546	299,291	17,040	928,877
Domestic production	255,655	37,943	1,031	294,629
Imports	9,900	25,300	-	35,200
Total Availability	878,101	362,534	18,071	1,258,706
Offtake	684,828	107,721	4,711	797,260
Export	-	-	-	-
Adjustments (+)	6,379	16,271	13	22,662
Adjustments (-)	6,292	16,070	0	22,362
National Inventory	193,360	255,013	13,372	461,746

NUTRIENT SUPPLY/DEMAND SITUATION DURING APRIL 2019 TO JUNE 2020

	(Tonnes)			
DESCRIPTION	NITROGEN	PHOSPHATE	POTASH	TOTAL
JANUARY 2020				
Opening Balance	193,360	255,013	13,372	461,746
Domestic production	242,497	31,533	2,088	276,118
Imports	3,547	7,582	2,742	13,870
Total Availability	439,404	294,128	18,202	751,735
Offtake	147,394	28,455	1,252	177,101
Export	-	-	-	-
Adjustments (+)	1,672	4,268	-	5,940
Adjustments (-)	5,128	3,006	233	8,367
National Inventory	288,554	266,935	16,718	572,206
FEBRUARY 2020				
Opening Balance	288,554	266,935	16,718	572,206
Domestic production	251,913	31,468	1,832	285,212
Imports	845	25	3,714	4,584
Total Availability	541,312	298,428	22,263	862,003
Offtake	258,959	54,853	6,263	320,075
Export	-	-	-	-
Adjustments (+)	2,850	7,783	-	10,632
Adjustments (-)	5,627	6,983	-	12,610
National Inventory	279,575	244,375	16,000	539,950
MARCH 2020				
Opening Balance	279,575	244,375	16,000	539,950
Domestic production	272,295	35,128	1,871	309,294
Imports	13,826	31,635	2,278	47,739
Total Availability	565,696	311,138	20,149	896,984
Offtake	174,101	48,885	3,666	226,652
Export	-	-	-	-
Adjustments (+)	1,475	1,063	1	2,539
Adjustments (-)	1,504	3,844	-	5,348
National Inventory	391,566	259,473	16,484	667,523

NUTRIENT SUPPLY/DEMAND SITUATION DURING APRIL 2019 TO JUNE 2020

	(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	89185	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	35975	2,659	173,000
Export	-	-	-	-
Adjustments (+)	1399	3,572	2	4,972
Adjustments (-)	7341	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	95971	4,712	701,966
Export	-	-	-	-
Adjustments (+)	3172	8106	-	11,279
Adjustments (-)	5718	7763	0.2	13,481
National Inventory	333,596	263,577	12,407	609,579

NUTRIENT WISE SUPPLY DEMAND SITUATION DURING FISCAL YEAR 2019-20

(Tonnes)				
DISCRIPTION	NITROGEN	PHOSPHATE	POTASH	TOTAL
Opening Balance	202,611	268,433	22,618	493,662
Domestic Production	3,270,846	506,266	16,720	3,793,832
Imports	288,159	577,923	24,066	890,148
Total Availability	3,761,615	1,352,622	63,405	5,177,642
Offtake	3,414,656	1,083,720	50,191	4,548,567
Export	-	-	-	-
Adjustments(+/-)	-13,363	-5,325	-807	-19,495
Closing Balance	333,596	263,577	12,407	609,579

TOTAL PRODUCT-WISE SUPPLY/DEMAND SITUATION DURING APRIL, 2019 TO JUNE 2020

(Tonnes)

Product	UREA	CAN	NP	SSP	DAP	TSP	SOP	NPK's	MOP	MAP	AS	TOTAL
APRIL 2019												
Opening Balance	135,497	42,819	107,187	9,666	602,182	2	16,072	23,949	11,875	14,629	5,126	969,004
Domestic Production	494,791	28,964	36,105	9,747	72,753	-	875	6,560	-	-	-	649,795
Import	-	-	-	1,780	34,202	-	4,037	-	1,783	500	6,511	48,813
Total Availability	630,288	71,783	143,292	21,193	709,137	2	20,984	30,509	13,658	15,129	11,637	1,667,612
Offtake	292,425	48,697	64,720	3,857	86,170	-	2,267	5,376	2,022	865	5,759	512,158
Export	-	-	-	-	-	-	-	-	-	-	-	0
Adjustment (+)	173	15,679	3,016	-	7,528	-	-	-	-	-	-	26,396
Adjustment (-)	694	-	-	-	10,821	-	2	16,023	-	-	-	27,540
Closing Balance	337,342	38,765	81,588	17,336	619,674	2	18,715	9,110	11,636	14,264	5,878	1,154,310
MAY 2019												
Opening balance	337,342	38,765	81,588	17,336	619,674	2	18,715	9,110	11,636	14,264	5,878	1,154,310
Domestic Production	527,064	38,462	47,735	1,362	75,512	-	869	4,996	-	-	-	696,000
Import	-	-	-	1,862	21,272	-	4,379	-	1,297	4,335	5,342	38,487
Total Availability	864,406	77,227	129,323	20,560	716,458	2	23,963	14,106	12,933	18,599	11,220	1,888,797
Offtake	592,525	45,551	67,842	3,141	213,024	-	1,609	4,094	653	6,210	5,696	940,345
Export	-	-	-	-	-	-	-	-	-	-	-	0
Adjustment (+)	1	-	-	-	12,607	-	-	2	1	38	-	12,649
Adjustment (-)	5,470	1	-	-	12,862	-	-	10	-	-	-	18,343
Closing balance	266,412	31,675	61,481	17,419	503,179	2	22,354	10,004	12,281	12,427	5,524	942,758
JUNE 2019												
Opening Balance	266,412	31,675	61,481	17,419	503,179	2	22,354	10,004	12,281	12,427	5,524	942,758
Domestic Production	557,618	38,361	40,865	-	71,162	-	667	7,651	-	-	-	716,324
Import	-	-	-	3,000	82,856	-	4,487	-	-	-	6,681	97,024
Total Availability	824,030	70,036	102,346	20,419	657,197	2	27,508	17,655	12,281	12,427	12,205	1,756,106
Offtake	642,577	21,716	25,446	7,316	157,743	-	1,354	4,259	1,762	1,858	5,920	869,951
Export	-	-	-	-	-	-	-	-	-	-	-	-
Adjustment (+)	45	-	-	-	15,755	-	-	-	-	-	-	15,800
Adjustment (-)	3,804	-	-	-	11,176	-	1	1	-	-	-	14,982
Closing Balance	177,694	48,320	76,900	13,103	504,033	2	26,153	13,395	10,519	10,569	6,285	886,973

TOTAL PRODUCT-WISE SUPPLY/DEMAND SITUATION DURING APRIL, 2019 TO JUNE 2020

(Tonnes)

DESCRIPTION	UREA	CAN	NP	SSP	DAP	TSP	SOP	NPK's	MOP	MAP	AS	TOTAL
JULY, 2019												
Opening Balance	177,694	48,320	76,900	13,103	504,033	2	26,153	13,395	10,519	10,569	6,285	886,973
Domestic production	565,877	39,997	49,018	55	76,595	-	720	3,862	-	-	-	736,124
Imports	100,972	-	-	-	32,800	-	3,257	-	549	-	10,240	147,818
Total Availability	844,543	88,317	125,918	13,158	613,428	2	30,130	17,257	11,068	10,569	16,525	1,770,915
Offtake	465,496	51,032	73,199	3,696	202,033	-	2,099	4,945	2,166	3,027	7,698	815,391
Export	-	-	-	-	-	-	-	-	-	-	-	0
Adjustments (+)	5,887	-	1,965	979	9,928	-	438	-	-	-	-	19,197
Adjustments (-)	3,422	-	-	-	9,507	-	1	-	-	-	-	12,930
National Inventory	381,512	37,285	54,684.00	10,441	411,816	2	28,468	12,312	8,902	7,542	8,827	961,791
AUGUST 2019												
Opening Balance	381,512	37,285	54,684	10,441	411,816	2	28,468	12,312	8,902	7,542	8,827	961,791
Domestic production	568,940	40,637	48,037	4,476	74,860	-	240	4,984	-	-	-	742,174
Imports	-	-	-	-	33,592	-	1,134	-	3,628	-	3,018	41,372
Total Availability	950,452	77,922	102,721	14,917	520,268	2	29,842	17,296	12,530	7,542	11,845	1,745,337
Offtake	625,425	42,388	41,070	2,195	105,295	-	1,691	6,266	2,608	1,847	5,990	834,775
Export	-	-	-	-	-	-	-	-	-	-	-	0
Adjustment (+)	3	-	1,659	-	9,206	-	-	-	-	-	54	10,922
Adjustment (-)	1,218	1	-	-	6,206	-	-	1	-	-	-	7,426
National Inventory	323,812	35,533	63,310	12,722	417,973	2	28,151	11,029	9,922	5,695	5,909	914,058
SEPTEMBER, 2019												
Opening Balance	323,812	35,533	63,310	12,722	417,973	2	28,151	11,029	9,922	5,695	5,909	914,058
Domestic production	550,408	38,804	44,908	6,336	72,556	-	-	12,966	-	-	-	725,978
Imports	-	-	-	-	125,366	-	3,897	-	1,527	9,360	18,726	158,876
Total Availability	874,220	74,337	108,218	19,058	615,895	2	32,048	23,995	11,449	15,055	24,635	1,798,912
Offtake	405,306	11,328	18,898	9,657	209,871	-	6,712	10,692	4,158	3,198	3,664	683,484
Export	-	-	-	-	-	-	-	-	-	-	-	0
Adjustments (+)	751	-	-	-	18,047	-	-	-	-	-	-	18,798
Adjustments (-)	14	-	-	-	19,012	-	-	-	-	-	-	19,026
National Inventory	469,651	63,009	89,320	9,401	405,059	2	25,336	13,303	7,291	11,857	20,971	1,115,200

TOTAL PRODUCT-WISE SUPPLY/DEMAND SITUATION DURING APRIL, 2019 TO JUNE 2020

(Tonnes)

Description	UREA	CAN	NP	SSP	DAP	TSP	SOP	NPK's	MOP	MAP	AS	TOTAL
OCTOBER, 2019												
Opening Balance	469,651	63,009	89,320	9,401	405,059	2	25,336	13,303	7,291	11,857	20,971	1,115,200
Domestic production	534,697	37,727	37,155	8,617	75,010	-	-	4,548	-	-	-	697,754
Imports	-	-	-	-	460,597	-	403	-	5,266	22,000	8,986	497,252
Total Availability	1,004,348	100,736	126,475	18,018	940,666	2	25,739	17,851	12,557	33,857	29,957	2,310,206
Offtake	121,359	23,321	46,793	16,897	270,917	-	3,519	6,085	3,528	1,924	5,277	499,620
Export	-	-	-	-	-	-	-	-	-	-	-	-
Adjustments (+)	1	13	2	-	30,551	-	9	-	-	-	-	30,576
Adjustments (-)	751	-	-	-	30,550	-	-	-	-	-	-	31,301
National Inventory	882,239	77,428	79,684	1,121	669,750	2	22,229	11,766	9,029	31,933	24,680	1,809,861
NOVEMBER 2019												
Opening Balance	882,239	77,428	79,684	1,121	669,750	2	22,229	11,766	9,029	31,933	24,680	1,809,861
Domestic production	535,314	15,533	25,590	5,376	72,857	-	434	5,029	-	-	-	660,133
Imports	-	-	-	-	247,300	-	1,720	-	550	-	2,500	252,070
Total Availability	1,417,553	92,961	105,274	6,497	989,907	2	24,383	16,795	9,579	31,933	27,180	2,722,064
Offtake	380,729	34,451	45,933	9,995	404,219	-	3,806	5,227	1,817	4,805	4,985	895,967
Export	-	-	-	-	-	-	-	-	-	-	-	-
Adjustments (+)	-	37	-	4,333	27,469	-	-	-	-	-	-	31,839
Adjustments (-)	1	-	-	-	27,469	-	-	-	-	-	-	27,470
National Inventory	1,036,823	58,547	59,341	835	585,688	2	20,577	11,568	7,762	27,128	22,195	1,830,466
DECEMBER, 2019												
Opening Balance	1,036,823	58,547	59,341	835	585,688	2	20,577	11,568	7,762	27,128	22,195	1,830,466
Domestic production	510,799	14,201	16,277	2,267	72,045	-	1,044	2,830	-	-	-	619,463
Imports	-	-	-	-	55,000	-	-	-	-	-	-	55,000
Total Availability	1,547,622	72,748	75,618	3,102	712,733	2	21,621	14,398	7,762	27,128	22,195	2,504,929
Offtake	1,345,359	47,286	72,616	567	193,312	-	6,261	3,392	1,624	2,491	7,062	1,679,970
Export	-	-	-	-	-	-	-	-	-	-	-	-
Adjustments (+)	26	2	5,358	-	35,371	-	-	-	-	-	-	40,757
Adjustments (-)	7	-	-	1	34,935	-	-	-	-	-	-	34,943
National Inventory	202,282	25,464	8,360	2,534	519,857	2	15,360	11,006	6,138	24,637	15,133	830,773

TOTAL PRODUCT-WISE SUPPLY/DEMAND SITUATION DURING APRIL, 2019 TO JUNE 2020

(Tonnes)

Description	UREA	CAN	NP	SSP	DAP	TSP	SOP	NPK's	MOP	MAP	AS	TOTAL
JANUARY, 2020												
Opening Balance	202,282	25,464	8,360	2,534	519,857	2	15,360	11,006	6,138	24,637	15,133	830,773
Domestic production	456,430	49,073	51,396	3,640	38,754	-	898	8,197	-	-	-	608,388
Imports	-	-	-	-	16,483	-	1,259	-	3,520	-	2,760	24,022
Total Availability	658,712	74,537	59,756	6,174	575,094	2	17,517	19,203	9,658	24,637	17,893	1,463,183
Offtake	261,747	41,613	32,450	2,144	43,724	-	970	1,344	880	396	3,026	388,294
Export	-	-	-	-	-	-	-	-	-	-	-	-
Adjustments (+)	-	7	-	-	9,279	-	-	-	-	-	-	9,286
Adjustments (-)	8,436	-	-	-	7,388	-	-	1,164	-	-	-	16,988
National Inventory	388,529	32,931	27,306	4,030	533,261	2	16,547	16,695	8,778	24,241	14,867	1,067,187
FEBRUARY 2020												
Opening Balance	388,529	32,931	27,306	4,030	533,261	2	16,547	16,695	8,778	24,241	14,867	1,067,187
Domestic production	461,596	65,937	72,535	4,131	27,406	-	762	8,537	-	-	-	640,904
Imports	-	-	-	-	-	-	2,633	-	3,996	50	4,000	10,679
Total Availability	850,125	98,868	99,841	8,161	560,667	2	19,942	25,232	12,774	24,291	18,867	1,718,770
Offtake	460,447	69,390	46,469	4,178	87,562	-	3,559	12,006	3,888	1,926	5,588	695,013
Export	-	-	-	-	-	-	-	-	-	-	-	0
Adjustments (+)	-	-	3,477	-	15,285	-	-	-	-	-	-	18,762
Adjustments (-)	6,293	-	-	-	15,180	-	-	-	-	-	-	21,473
National Inventory	383,385	29,478	56,849	3,983	473,210	2	16,383	13,226	8,886	22,365	13,279	1,021,046
MARCH 2020												
Opening Balance	383,385	29,478	56,849	3,983	473,210	2	16,383	13,226	8,886	22,365	13,279	1,021,046
Domestic production	509,776	57,366	65,684	5,141	38,223	-	668	8,015	-	-	-	684,873
Imports	-	-	-	-	68,772	-	2,016	-	2,117	-	6,890	79,795
Total Availability	893,161	86,844	122,533	9,124	580,205	2	19,067	21,241	11,003	22,365	20,169	1,785,714
Offtake	302,500	34,003	33,192	1,510	79,220	-	2,696	7,440	1,608	1,756	4,680	468,605
Export	-	-	-	-	-	-	-	-	-	-	-	-
Adjustments (+)	-	-	3,000	-	7,827	-	1,258	-	-	-	-	12,085
Adjustments (-)	-	-	-	-	8,966	-	-	6	-	-	-	8,972
National Inventory	590,661	52,841	92,341	7,614	499,846	2	17,629	13,795	9,395	20,609	15,489	1,320,222

TOTAL PRODUCT-WISE SUPPLY/DEMAND SITUATION DURING APRIL, 2019 TO JUNE 2020

(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

PRODUCT WISE SUPPLY DEMAND SITUATION DURING FISCAL YEAR 2019-20

(Tonnes)

Description	UREA	CAN	NP	SSP	DAP	TSP	SOP	NPK's	MOP	MAP	AS	TOTAL
Opening Balance	177,694	48,320	76,900	13,103	504,033	2	26,153	13,395	10,519	10,569	6,285	886,973
Domestic Production	6,176,486	545,665	650,037	57,787	737,050	-	7,341	72,217	-	-	-	8,246,583
Imports	100,972	-	-	-	1,211,398	-	19,647	-	23,738	41,360	92,971	1,490,086
Total Availability	6,455,152	593,985	726,937	70,890	2,452,481	2	53,141	85,612	34,257	51,929	99,256	10,623,642
Offtake	6,015,275	502,268	578,230	69,448	1,983,680	0	41,965	71,372	27,422	27,397	72,227	9,389,284
Exports	-	-	-	-	-	-	-	-	-	-	-	-
Adjustments(+/-)	-27,194	58	15,459	5,311	5,099	0	1,694	-1,241	122	0	52	-640
Closing Balnce	412,683	91,775	164,166	6,753	473,900	2	12,870	12,999	6,957	24,532	27,081	1,233,718

**DISTRICT -WISE, NUTRIENT WISE FERTILIZER OFFTAKE AND USE PER HECTARE
DURING 2019-20**

(Tonnes)

District	Nitrogen	Phosphate	Potash	Nutrients Total	Cropped Area (000 ha)	Nutrient Use Rate (Kg/ha)
PUNJAB						
Attock	13,064	3,098	31	16,193	216	75
Bahawalpur	125,576	43,793	1,224	170,593	726	235
Bhakkar	22,472	7,826	376	30,674	816	38
Bahawal Nagar	104,106	28,913	990	134,009	800	168
Chakwal	1,733	930	1	2,664	263	10
Chiniot	41,241	12,936	1,253	55,430	300	185
Dera Ghazi Khan	61,720	15,396	192	77,308	386	200
Faisalabad	78,732	20,400	909	100,041	667	150
Gujranwala	109,695	25,362	1,100	136,157	520	262
Gujrat	12,426	3,569	140	16,134	294	55
Hafizabad	47,487	11,804	442	59,733	356	168
Islamabad	-	-	-	-	23	0
Jhang	77,267	20,660	688	98,614	631	156
Jhelum	813	203	-	1,016	106	10
Kasur	70,528	18,708	508	89,743	505	178
Khanewal	80,254	25,612	906	106,772	524	204
Khushab	5,132	1,489	82	6,703	457	15
Lahore	38,768	9,623	585	48,976	163	300
Layyah	49,486	11,120	509	61,115	558	110
Lodran	103,819	24,147	629	128,595	439	293
Mandi Bahauddin	49,294	14,677	457	64,428	326	197
Muzaffar Garh	87,760	26,181	748	114,688	666	172
Mianwali	16,301	4,657	127	21,085	326	65
Multan	133,964	43,833	1,043	178,840	494	362
Nankana	35,283	7,997	147	43,427	313	139
Narowal	64,798	11,660	277	76,735	265	290
Okara	107,471	26,418	1,955	135,844	629	216
Pakpattan	57,095	17,623	1,058	75,776	407	186
Rahim Yar Khan	197,530	57,437	2,166	257,134	820	314
Rajanpur	60,601	14,040	43	74,685	446	168
Rawalpindi	17,086	4,196	43	21,325	219	97
Sahiwal	71,447	23,045	769	95,260	433	220
Sargodha	39,767	13,921	1,240	54,928	671	82
Sheikhupura	64,852	15,188	315	80,355	531	151
Sialkot	20,952	5,483	310	26,745	372	72
Toba Tek Singh	50,054	17,595	1,209	68,859	411	168
Vehari	113,875	39,518	1,378	154,771	584	265
New distributors	57,694	122,760	14,382	194,836	-	-
PUNJAB	2,290,141	751,819	38,231	3,080,191	16,930	181.9

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

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

3) Cropped area is taken from Punjab Development Statistics, 2019.

**DISTRICT -WISE, NUTRIENT WISE FERTILIZER OFFTAKE AND USE PER HECTARE
DURING 2019-20**

District	(Tonnes)					
	Nitrogen	Phosphate	Potash	Nutrients Total	Cropped Area (000 ha)	Nutrient Use Rate (Kg/ha)
SIND						
Badin	49,944	8,985	588	59,517	327	182
Dadu	28,988	6,193	84	35,264	154	229
Ghotki	69,267	17,984	156	87,406	266	329
Hyderabad	36,922	10,529	324	47,775	45	1062
Jacobabad	23,390	4,525	126	28,041	131	214
Jamshoro	7,470	890	11	8,371	76	110
Karachi	29,441	13,862	69	43,372	4	10843
Kashmore	23,505	5,267	16	28,787	138	209
Khairpur	31,218	8,051	96	39,365	274	144
Larkana	33,836	6,163	17	40,016	177	226
Malir	23	-	-	23	-	0
Mirpurkhas	77,979	25,108	1,132	104,220	206	506
Matiali	28,918	11,792	602	41,312	124	333
Noshero Feroz	95,480	32,127	506	128,113	191	671
Shaheed Benazir Abad	58,823	16,115	724	75,662	217	349
Sanghar	91,913	21,704	726	114,343	295	388
Qamber Shahdad Kot	23,526	5,739	126	29,390	153	192
Shikarpur	9,683	1,671	43	11,397	163	70
Sujawal	6,161	1,305	6	7,472	-	-
Sukkur	36,184	9,261	65	45,510	103	442
Tando Allah Yar	14,722	5,334	834	20,891	104	201
Tharparkar	442	46	-	488	155	3
Thatta	15,257	4,903	249	20,410	194	105
Tando muhammad khan	17,793	3,168	41	21,002	72	292
Umerkot	9,503	2,320	89	11,912	112	106
New distributors	11,490	15,009	716	27,215	-	-
SIND	831,880	238,049	7,346	1,077,275	3,600	299

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, 2018.

**DISTRICT -WISE, NUTRIENT WISE FERTILIZER OFFTAKE AND USE PER HECTARE
DURING 2019-20**

District	(Tonnes)					
	Nitrogen	Phosphate	Potash	Nutrients Total	Cropped Area (000 ha)	Nutrient Use Rate (Kg/ha)
KP						
Abbotabad	725	50	7	782	59	13
Bajaur agency	1,631	534	9	2,173	70	31
Bannu	2,931	1,096	21	4,048	42	97
Battagram	137	-	-	137	28	5
Buner	2,664	563	337	3,563	104	34
Charsadha	5,662	1,459	103	7,224	97	75
Chitral	-	-	-	-	27	0
Dera Ismail Khan	14,133	3,944	521	18,598	157	119
Dir	6,755	1,366	-	8,122	124	65
Hangu	-	-	-	-	34	0
Haripur	766	98	8	872	84	10
Karak	8	4	-	12	31	0
Khyber agency	545	190	-	734	24	30
Kohat	1,420	395	-	1,815	67	27
Kohistan	-	-	-	-	29	0
Kurram agency	796	145	-	942	19	50
Lakki Marwat	1,539	459	8	2,006	38	53
Malakand	5,233	1,645	7	6,885	50	138
Mansehra	3,225	586	251	4,062	103	40
Mardan	22,035	6,287	674	28,996	115	251
Mohmand agency	284	38	-	322	28	12
North Waziristan agency	-	-	-	-	15	0
Nowshera	5,038	432	1	5,471	61	90
Orakzai agency	-	-	-	-	12	0
Peshawar	25,391	4,412	27	29,829	82	364
South Waziristan agency	-	-	-	-	22	0
Shangla	14,093	4,153	90	18,336	79	232
Swabi	6,641	467	321	7,429	89	83
Swat	24,718	6,510	261	31,489	180	175
Tank	85	-	-	85	15	4
New distributors	4247	9068	214	13,529	-	-
KP	150,702	43,898	2,858	197,459	1,860	106.2

1) Cropped area is taken from Development Statistics of Khyber Pakhtunkhwa, 2019.

**DISTRICT -WISE, NUTRIENT WISE FERTILIZER OFFTAKE AND USE PER HECTARE
DURING 2019-20**

District	(Tonnes)					
	Nitrogen	Phosphate	Potash	Nutrients Total	Cropped Area (000 ha)	Nutrient Use Rate (Kg/ha)
BALUCHISTAN						
Awaran	36,977	3,929	-	40,907	27	1,529
Barkhan	317	66	-	383	20	19
Kachhi (Bolan)	374	160	-	534	24	22
Chaghi	429	69	4	502	9	55
Dera Bugti	31	11	-	42	27	2
Gwadar	23	-	-	23	2	9
Harnai	786	313	-	1,099	6	170
Jafarabad	21,800	5,525	19	27,343	216	127
Jhal Magsi	6,259	1,549	19	7,827	66	118
Kalat	1,008	347	67	1,423	16	90
Kech (Turbat)	689	-	-	689	39	18
Kharan	6,141	752	23	6,916	21	334
Khuzdar	7,151	1,548	110	8,808	71	123
Kohlu	-	-	-	-	3	-
Lasbela	19,404	5,761	300	25,465	40	636
Loralai	280	53	5	338	30	11
Mastung	-	-	-	-	14	-
Musakhel	-	-	-	-	6	-
Nasirabad	7,738	3,042	3	10,783	194	56
Nushki	155	21	-	176	15	12
Panjgur	-	-	-	-	26	-
Pishin	7,010	2,619	505	10,134	25	409
Qila Saifullah	1,176	316	41	1,533	82	19
Qila Abdullah	5	5	6	16	12	1
Quetta	9,755	5,043	87	14,886	9	1,719
Shirani	-	-	-	-	2	-
Sibi	2,645	910	-	3,555	22	163
Sohbatpur	239	31	-	270	-	-
Washuk	33	-	-	33	12	3
Zhob	1,213	151	1	1,365	16	84
Ziarat	-	-	-	-	3	-
New Distributer	10,156	17,664	566	28,386	-	-
Balochistan	141,794	49,886	1,755	193,435	1,060	182.5
Pakistan	3,414,657	1,083,720	50,190	4,548,569	23,450	194.0

1-Quetta 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 Development Statistics of Balochistan, 2017-18.

DISTRICT-WISE PRODUCT-WISE FERTILIZER OFFTAKE DURING 2019-20

Districts	(Tonnes)												
	UREA	CAN	NP	DAP	MAP	TSP	SSP	SOP	MOP	AS	NPKs	ZINC	TOTAL
	PUNJAB												
Attock	14,693	17,997	3,312	4,770	-	-	765	43	7	24	27	-	41,637
Bahawalpur	218,162	20,121	19,586	83,218	1,158	-	51	1,213	472	1,152	1,848	25	347,006
Bhakkar	38,903	3,759	3,705	14,555	6	-	-	149	143	47	1,200	-	62,466
Bahawal Nagar	188,131	16,632	12,903	54,595	947	-	171	958	428	1,300	1,403	98	277,566
Chakwal	2,857	10	370	1,837	-	-	-	2	-	-	-	-	5,076
Chiniot	73,006	5,789	7,477	22,423	556	-	375	777	718	618	2,411	32	114,180
Dera Ghazi Khan	114,627	7,448	7,280	29,529	178	-	80	269	49	208	155	10	159,831
Faisalabad	145,104	9,043	11,430	36,722	1,112	-	389	897	447	889	1,066	14	207,112
Gujranwala	208,096	9,676	12,471	46,348	971	-	2,638	309	1,323	448	843	106	283,228
Gujrat	23,160	998	870	7,251	31	-	-	27	188	-	75	6	32,606
Hafizabad	91,903	1,007	2,615	23,265	212	-	1,331	358	240	438	660	50	122,078
Islamabad	-	-	-	-	-	-	-	-	-	-	-	-	-
Jhang	137,382	13,124	16,971	35,312	386	-	424	681	244	1,250	1,104	63	206,941
Jhelum	1,547	-	155	363	1	-	-	-	-	1	-	-	2,067
Kasur	130,131	8,529	8,010	36,116	352	-	210	547	349	327	137	20	184,727
Khanewal	134,853	19,948	21,097	44,104	311	-	598	957	407	526	1,033	31	223,864
Khushab	9,530	115	894	2,700	26	-	-	86	26	86	130	-	13,592
Lahore	73,929	1,399	4,382	17,984	280	-	78	357	438	240	801	41	99,929
Layyah	88,008	14,442	6,433	20,069	240	-	31	195	299	123	1,275	9	131,125
Lodran	195,366	10,577	14,842	41,841	282	-	6,317	643	245	781	894	9	271,796
Mandi Bahauddin	91,389	3,769	8,159	23,148	466	-	9,283	228	217	403	1,157	20	138,239
Muzaffar Garh	150,617	25,024	11,306	50,467	290	-	26	924	154	700	1,087	28	240,622
Mianwali	29,604	1,505	3,214	8,412	-	-	-	38	104	90	241	-	43,208
Multan	190,643	81,925	55,415	64,632	887	-	2,679	812	378	1,015	2,307	53	400,746
Nankana	67,627	2,318	3,035	15,406	331	-	10	182	43	251	169	12	89,383
Narowal	131,836	1,929	2,657	16,748	26	-	18,298	158	280	29	166	11	172,138
Okara	202,189	8,668	14,555	47,086	1,008	-	2,567	1,357	1,570	748	1,855	60	281,663
Pakpattan	102,979	4,805	11,769	30,227	1,183	-	165	819	602	334	1,595	36	154,513
Rahim Yar Khan	359,137	22,784	19,666	112,275	988	-	79	1,934	833	2,090	3,913	112	523,810
Rajanpur	114,682	9,535	5,284	27,333	339	-	311	25	25	173	86	2	157,796
Rawalpindi	27,092	9,338	3,958	7,075	-	-	73	43	9	2	92	-	47,682
Sahiwal	128,356	6,959	11,460	43,582	550	-	18	1,098	273	152	313	-	192,761
Sargodha	64,485	6,881	18,962	18,125	1,166	-	1,209	1,003	425	1,456	2,501	70	116,284
Sheikhupura	124,815	4,899	5,004	29,340	920	-	105	274	241	384	192	33	166,206
Sialkot	40,141	245	1,778	10,459	115	-	20	169	115	251	870	18	54,181
Toba Tek Singh	86,461	5,263	13,845	28,791	1,269	-	135	1,222	309	963	2,266	38	140,562
Vehari	190,082	30,800	25,081	70,644	632	-	2,890	1,372	603	1,196	1,826	60	325,187
New distributors	-	-	2,398	268,493	114	-	9,789	14,626	11,841	36,726	-	-	343,987
Punjab Total	3,991,521	387,263	372,346	1,395,240	17,333	-	61,115	34,750	24,038	55,421	35,698	1,067	6,375,792

Continued...

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. DHCL, 7. LCFL, 8. Agritech

DISTRICT-WISE PRODUCT-WISE FERTILIZER OFFTAKE DURING 2019-20

Districts	(Tonnes)												
	UREA	CAN	NP	DAP	MAP	TSP	SSP	SOP	MOP	AS	NPKs	ZINC	TOTAL
SINDH													
Badin	97,369	3,229	4,619	15,760	366	-	123	351	29	775	2173	108	124,903
Dadu	57,254	634	564	13,004	34	-	117	15	69	48	191	234	72,163
Ghotki	131,674	2,584	6,663	35,026	422	-	3	30	66	475	561	19	177,523
Hyderabad	58,280	10,982	22,251	11,254	266	-	-	396	7	75	618	8	104,137
Jacobabad	45,863	1,636	1,023	8,628	308	-	366	68	30	94	412	158	58,586
Jamshoro	15,260	-	717	1,538	7	-	15	5	0	17	47	-	17,606
Karachi	51,329	63	2,345	28,048	727	-	-	47	10	567	216	-	83,352
Kashmore	46,373	530	109	11,214	47	-	323	30	0	26	3	51	58,707
Khairpur	59,221	2,359	1,352	16,665	26	-	-	39	22	43	342	4	80,073
Larkana	68,023	191	859	12,493	378	-	34	8	0	7	74	80	82,146
Malir	50	-	-	-	-	-	-	0	0	-	0	-	50
Mirpurkhas	120,995	25,010	57,586	21,732	1,951	-	293	807	15	1,017	3946	41	233,393
Matiali	45,675	8,178	7,270	20,937	262	-	112	425	16	320	2010	43	85,247
Noshero Feroz	163,998	23,206	10,165	62,872	841	-	31	280	11	376	1999	68	263,847
Shaheed Benazir Abad	109,554	11,245	6,694	30,187	663	-	22	685	65	454	1877	43	161,489
Sanghar	168,162	12,821	18,600	36,013	790	-	69	389	69	396	2655	12	239,976
Qambar Shahdad Kot	46,103	180	230	11,949	155	-	191	118	0	213	362	451	59,952
Shikarpur	18,817	1,158	221	3,396	13	-	20	6	2	210	219	46	24,108
Sujawal	12,284	-	-	2,836	-	-	-	12	0	-	0	-	15,132
Sukkur	69,609	1,224	1,943	18,476	581	-	23	25	75	46	41	7	92,049
Tando Allah Yar	27,015	-	502	8,726	1,189	-	146	394	0	400	3337	32	41,741
Tharparkar	921	-	-	100	-	-	-	0	0	-	0	-	1,021
Thatta	24,200	6,029	4,346	7,831	266	-	31	225	0	224	751	15	43,918
Tando Muhammad Khan	35,561	-	1,358	6,061	75	-	36	32	0	50	130	14	43,317
Umerkot	17,209	1,117	2,957	3,075	337	-	-	78	25	50	196	-	25,044
New distributors	-	-	2,852	34,415	-	-	37	383	977	3,199	-	-	41,863
SindhTotal	1,490,800	112,376	155,225	422,235	9,704	-	1,992	4,848	1,487	9,082	22,160	1,434	2,231,343

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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. DHCL, 7. LCFL, 8. Agritech

DISTRICT-WISE PRODUCT-WISE FERTILIZER OFFTAKE DURING 2019-20

Districts	UREA	CAN	NP	DAP	MAP	TSP	SSP	SOP	MOP	AS	NPKs	ZINC	(Tonnes)
													TOTAL
KP													
Abbotabad	1,502	-	70	53	-	-	-	-	-	25	40	-	1,690
Bajaur agency	3,000	-	298	1,012	-	-	-	-	15	-	-	-	4,324
Bannu	5,317	-	406	2,179	-	-	-	5	30	-	-	-	7,937
Battagram	297	-	-	-	-	-	-	-	-	-	-	-	297
Buner	4,920	-	37	769	-	-	51	74	128	639	1,165	7	7,789
Charsadha	10,714	-	1,080	2,480	-	-	60	52	6	16	371	-	14,779
Chitral	-	-	-	-	-	-	-	-	-	-	-	-	-
Dera Ismail Khan	27,109	-	820	7,763	9	-	-	558	170	-	780	-	37,208
Dir	13,264	-	151	2,546	-	-	-	-	-	-	-	-	15,961
Hangu	-	-	-	-	-	-	-	-	-	-	-	-	-
Haripur	1,562	-	65	181	-	-	-	3	11	-	-	-	1,822
Karak	15	-	-	8	-	-	-	-	-	-	-	-	23
Khyber agency	1,020	-	10	407	-	-	-	-	-	-	-	-	1,437
Kohat	2,705	-	154	781	-	-	-	-	-	-	-	-	3,640
Kohistan	-	-	-	-	-	-	-	-	-	-	-	-	-
Kurram agency	1,600	-	23	305	-	-	-	-	-	-	-	-	1,928
Lakki Marwat	2,955	-	-	998	-	-	-	-	14	-	-	-	3,967
Malakand	9,811	-	544	3,305	-	-	-	14	-	-	-	-	13,673
Mansehra	6,340	-	192	721	-	-	38	34	9	98	1,178	2	8,612
Mardan	42,065	-	1,900	10,602	-	-	3,170	244	72	350	2,580	3	60,985
Mohmand agency	585	-	-	82	-	-	-	-	-	-	-	-	667
North Waziristan agency	-	-	-	-	-	-	-	-	-	-	-	-	-
Nowshera	10,433	-	498	691	-	-	-	1	-	-	-	-	11,622
Orakzai agency	-	-	-	-	-	-	-	-	-	-	-	-	-
Peshawar	50,966	-	2,262	7,889	-	-	1,420	18	15	-	45	-	62,614
South Waziristan agency	-	-	-	-	-	-	-	-	-	-	-	-	-
Shangla	25,481	-	5,226	6,315	-	-	-	62	18	40	253	-	37,395
Swabi	13,899	-	95	521	-	-	-	109	-	-	1,337	3	15,964
Swat	45,987	-	6,152	10,189	-	-	1,593	140	118	665	653	2	65,498
Tank	185	-	-	-	-	-	-	-	-	-	-	-	185
New distributors	-	2,599	4,489	13,004	1	-	-	291	560	2,668	-	-	23,612
KP Total	281,729	2,599	24,470	72,799	10	-	6,332	1,604	1,166	4,501	8,402	17	403,628

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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. DHCL, 7. LCFL, 8. Agritech

DISTRICT-WISE PRODUCT-WISE FERTILIZER OFFTAKE DURING 2019-20

Districts	(Tonnes)												
	UREA	CAN	NP	DAP	MAP	TSP	SSP	SOP	MOP	AS	NPKs	ZINC	TOTAL
BALUCHISTAN													
Awaran	76,867	-	687	8,016	161	-	-	-	-	-	-	-	85,731
Barkhan	633	-	-	144	-	-	-	-	-	-	-	-	777
Kachhi (Bolan)	676	-	-	348	-	-	-	-	-	-	-	-	1,024
Chagai	874	-	-	150	-	-	-	8	-	-	-	-	1,032
Dera Bugti	57	-	-	24	-	-	-	-	-	-	-	-	81
Gwadar	50	-	-	-	-	-	-	-	-	-	-	-	50
Harnai	1,391	-	166	598	-	-	-	-	-	-	-	-	2,155
Jafarabad	42,647	-	197	11,845	39	-	-	21	-	-	46	12	54,807
Jhal Magsi	12,289	-	-	3,367	-	-	-	38	-	-	-	-	15,694
Kalat	1,640	-	705	303	-	-	-	19	8	-	281	1	2,957
Kech (Turbat)	1,498	-	-	-	-	-	-	-	-	-	-	-	1,498
Kharan	12,711	-	-	1,635	-	-	-	46	-	-	-	-	14,392
Khuzdar	14,061	-	447	2,881	-	-	-	5	-	30	581	-	18,005
Kohlu	-	-	-	-	-	-	-	-	-	-	-	-	-
Lasbela	36,167	30	3,479	9,907	132	-	9	73	5	58	1,443	20	51,322
Loralai	552	-	20	94	-	-	-	-	-	5	27	-	698
Mastung	-	-	-	-	-	-	-	-	-	-	-	-	-
Nasirabad	13,702	-	1,716	5,744	3	-	-	-	-	-	15	-	21,180
Nushki	320	-	-	45	-	-	-	-	-	-	-	-	365
Panjgur	-	-	-	-	-	-	-	-	-	-	-	-	-
Pishin	11,106	-	5,735	2,079	15	-	-	191	69	97	1,992	21	21,305
Qila Saifullah	1,998	-	805	254	-	-	-	42	5	76	90	-	3,270
Qila Abdullah	-	-	-	-	-	-	-	1	-	-	30	-	31
Quetta	12,877	-	11,628	4,273	-	-	-	23	39	9	274	-	29,124
Sohbatpur	492	-	-	68	-	-	-	-	-	-	-	-	560
Sibi	4,888	-	285	1,836	-	-	-	-	-	-	-	-	7,009
Washuk	71	-	-	-	-	-	-	-	-	-	-	-	71
Zhob	3,509	-	-	328	-	-	-	1	-	-	-	-	3,838
Ziarat	-	-	-	-	-	-	-	-	-	-	-	-	-
New distributors	-	-	-	39,465	-	-	-	296	609	2,951	332	-	43,653
Balochistan Total	251,075	30	25,871	93,404	350	-	9	764	735	3,226	5,111	54	380,629
Pakistan Total	6,015,274	502,268	578,230	1,983,678	27,397	-	69,448	41,966	27,425	72,230	71,371	2,572	9,391,860

Continued....

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. DHCL, 7. LCFL, 8. Agritech

FERTILIZER PRODUCTION BY PRODUCT AND MANUFACTURER DURING KHARIF (2018 AND 2019)

KHARIF 2018

		(Tonnes)						
PRODUCT	SOURCE	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
UREA	Fatimafert (DHCL)	-	-	-	-	-	-	-
UREA	EFERT	122,923	83,543	138,839	160,375	172,350	164,551	842,581
UREA	Agritech (PAFL)	-	-	-	-	-	4,484	4,484
UREA	PAK ARAB	-	-	-	-	-	-	-
UREA (PSFL)	FFC	72,185	74,136	70,841	73,198	72,640	70,429	433,429
UREA (PRILLED)	FFC	140,128	148,888	141,216	145,828	142,535	134,396	852,991
UREA (GRANULAR)	FFBL	53,114	51,817	52,800	52,217	57,553	48,468	315,969
UREA	Fatima Fertilizer	45,058	30,610	42,632	46,487	41,062	43,954	249,803
	TOTAL UREA	433,408	388,994	446,328	478,105	486,140	466,282	2,699,257
NP	PAK ARAB	-	-	-	-	-	-	-
NP	EFERT	7,713	8,262	2,660	4,644	819	189	24,287
NP	Fatima Fertilizer	34,493	27,134	31,836	36,044	36,921	36,747	203,175
NP	TOTAL	42,206	35,396	34,496	40,688	37,740	36,936	227,462
SSP (J. WAL 18%)	AL HAMD	-	-	-	-	-	-	-
SSP (H. PUR 18%)	Agritech	3,681	5,422	4,525	6,482	1,413	6,117	27,640
SSP	Suraj Fertilizers	-	-	-	200	658	2,690	3,548
SSP	Safi Chemicals	-	-	-	-	-	-	-
SSP	TOTAL	3,681	5,422	4,525	6,682	2,071	8,807	31,188
CAN	PAK ARAB	-	-	-	-	-	-	-
CAN	Fatima Fertilizer	40,092	34,716	34,115	39,707	39,945	40,127	228,702
CAN	TOTAL	40,092	34,716	34,115	39,707	39,945	40,127	228,702
DAP	FFC	30,945	62,100	71,185	73,321	61,300	76,225	375,076
NPKs (Various grades)	EFERT	6,271	3,879	3,653	4,685	5,123	3,103	26,714
NPK (2:20:3)	Safi Chemicals	-	-	-	-	-	-	-
	GRAND TOTAL	556,603	530,507	594,302	643,188	632,319	631,480	3,588,399
	NITROGEN	225,348	207,417	235,024	253,409	254,366	247,665	1,423,229
	PHOSPHATE	24,603	37,419	41,225	45,229	38,301	45,671	232,448
	POTASH	1,158	687	650	833	908	528	4,764
	TOTAL	251,109	245,523	276,899	299,471	293,575	293,864	1,660,440

FERTILIZER PRODUCTION BY PRODUCT AND MANUFACTURER DURING KHARIF (2018 AND 2019)

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

FERTILIZER IMPORTS DURING KHARIF 2018

(Tonnes)

MONTH	UREA	DAP	SSP	SOP	MOP	AS	TOTAL PRODUCT	NITROGEN TOTAL	PHOSPHATE TOTAL	POTASH TOTAL	TOTAL NUTRIENT
April	-	44,885	1,607	4,477	2,289	1,780	55,038	8,453	20,936	3,612	33,001
May	-	183,074	1,003	5,177	1,924	208	191,386	32,997	84,395	3,743	121,134
June	-	141,985	1163	521	3,259	-	146,928	25,557	65,522	2,216	93,296
July	-	182,313	2,388	3,785	1,049	500	190,035	32,921	84,294	2,522	119,737
August	-	272,737	2,059	3,155	2,450	3,280	283,681	49,781	125,830	3,048	178,659
Sep	-	237,864	3,094	5,310	3,839	4,858	254,965	43,836	109,974	4,958	158,768
Total	-	1,062,858	11,314	22,425	14,810	10,626	1,122,033	193,546	490,951	20,099	704,596

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	330,088	6,642	21,191	8,784	50,518	14,195	532,390	117,891	160,134	15,866	293,891

MONTH-WISE PRODUCT-WISE OFFTAKE DURING KHARIF 2018 AND 2019

(KHARIF 2018)

		(Tonnes)						
Products	Sources	APRIL	MAY	JUNE	JULY	AUGUST	SEPTEMBER	TOTAL
UREA	IMPORTED	0	0	-	-	-	-	-
UREA	FFC	232,039	317,811	271,506	263,258	224,607	296,453	1,605,674
UREA	DHCL	-	-	-	-	-	-	-
UREA	PAK-ARAB	262	368	458	458	-	10	1,556
UREA	EFERT	115,036	136,842	245,232	172,008	165,064	168,395	1,002,577
UREA	Agri Tech Limited (PAFL)	-	-	-	60	-	3,350	3,410
UREA	Fatima Fertilizer Company	28,122	38,787	90,913	60,850	41,025	14,209	273,906
UREA	TOTAL	375,459	493,808	608,109	496,634	430,696	482,417	2,887,123
CAN	PAK ARAB	5,386	9,083	18,822	27,887	13,526	6,542	81,246
CAN	Fatima Fertilizer	48,148	48,639	23,813	71,372	44,385	11,907	248,264
CAN	TOTAL	53,534	57,722	42,635	99,259	57,911	18,449	329,510
NP	IMPORTED	-	-	-	-	-	-	-
NP	PAK ARAB	373	5,824	300	13	-	-	6,510
NP	EFERT	5,699	6,964	3,918	7,140	349	189	24,259
NP	Fatima Fertilizer	53,746	32,276	21,177	49,018	32,817	7,062	196,096
NP	TOTAL	59,818	45,064	25,395	56,171	33,166	7,251	226,865
SSP	Imported	573	1,147	784	4312	1,084	1,163	9,063
SSP	LCFL	-	-	-	-	-	-	-
SSP	Agri Tech Limited (PAFL)	3,185	3,803	4,606	4,656	1,382	6,090	23,722
SSP	Suraj Fertilizer	1,097	1,758	857	863	290	2,446	7,311
SSP	Safi chemicals	-	-	-	-	-	-	-
SSP	TOTAL	4,855	6,708	6,247	9,831	2,756	9,699	40,096
DAP	IMPORTED	48,669	54,977	151,221	180,631	62,003	125,754	623,255
DAP	FFC	20,131	7,536	38,677	121,159	17,064	73,191	277,758
DAP	TOTAL	68,800	62,513	189,898	301,790	79,067	198,945	901,013
TSP	IMPORTED	-	-	-	-	-	-	-
SOP	IMPORTED	1,032	1,677	1,497	4,987	3,008	8,839	21,040
MAP	IMPORTED	-	-	-	-	-	-	-
MOP	IMPORTED	1,243	1,514	1,117	4,439	2,133	6,360	16,806
NPKs	EFERT	5,010	3,472	1,394	5,811	4,603	10,193	30,483
NPKs	Safi chemicals	-	-	-	-	-	-	-
AS	IMPORTED	408	1,416	879	752	3,239	2,125	8,819
	GRAND TOTAL	570,159	673,894	877,171	979,674	616,579	744,278	4,461,755
								-
	NITROGEN	212,883	264,057	330,931	322,397	236,349	265,896	1,632,513
	PHOSPHATE	45,473	39,691	93,854	154,683	45,397	97,060	476,158
	POTASH	2,109	2,362	1,667	6,189	3,591	10,035	25,953
	TOTAL	260,465	306,110	426,452	483,269	285,337	372,991	2,134,624

MONTH-WISE PRODUCT-WISE OFFTAKE DURING KHARIF 2018 AND 2019
(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

FERTILIZER SUPPLY / DEMAND SITUATION DURING KHARIF 2019

(Tonnes)

DESCRIPTION	NITROGEN	PHOSPHATE	POTASH	TOTAL
Opening Balance	206,783	319,513	17,409	543,705
Domestic production	1,705,213	274,035	8,984	1,988,232
Imports	117,891	160,134	15,866	293,891
Total Availability	2,029,887	753,682	42,259	2,825,828
Offtake	1,702,573	531,992	22,202	2,256,767
Export	-	-	-	-
Adjustment (+)(-)	-597	-829	-582	-2008
National Inventory	326,716	220,861	19,476	567,053

PRODUCT WISE SUPPLY DEMAND SITUATION DURING KHARIF 2019

(Tonnes)

Description	UREA	CAN	NP	SSP	DAP	TSP	SOP	NPK's	MOP	MAP	AS	TOTAL
Opening Balance	135,497	42,819	107,187	9,666	602,182	2	16,072	23,949	11,875	14,629	5,126	969,004
Domestic production	3,264,698	225,225	266,668	21,976	443,438	-	3,371	41,019	-	-	-	4,266,395
Imports	100,972	-	-	6,642	330,088	-	21,191	-	8,784	14,195	50,518	532,390
Total Availability	3,501,167	268,044	373,855	38,284	1,375,708	2	40,634	64,968	20,659	28,824	55,644	5,767,789
Offtake	3,023,754	220,712	291,175	29,862	974,136	-	15,732	35,632	13,369	17,005	34,727	4,656,104
Export	-	-	-	-	-	-	-	-	-	-	-	-
Adjustment (+)(-)	-7,762	15,677	6,640	979	3,487	0	434	-16,033	1	38	54	3,515
National Inventory	469,651	63,009	89,320	9,401	405,059	2	25,336	13,303	7,291	11,857	20,971	1,115,200

FERTILIZER PRODUCTION BY PRODUCT AND MANUFACTURER DURING RABI 2018-19 AND RABI 2019-20

(RABI 2018-19)

								(Tonnes)
Products	Sources	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	TOTAL
UREA	Fatimafert (DHCL)	42,979	33,861	30,077	28,451	17,627	46,840	199,835
UREA	EFERT	164,551	154,415	154,415	164,416	127,616	153,415	918,828
UREA (PAFL)	Agri Tech (Pvt.) Limited	32,187	31,900	27,363	25,149	13,593	34,074	164,266
UREA	PAK ARAB	-	-	-	-	-	-	-
UREA (PSFL)	FFC	73,245	71,371	74,187	74,185	66,729	73,379	433,096
UREA (PRILLED)	FFC	148,250	139,164	138,066	124,458	101,451	134,447	785,836
UREA (GRANULAR)	FFBL	50,476	52,828	44,411	2,692	11,211	36,559	198,177
UREA	FATIMA	47,434	43,967	43,368	40,800	35,197	12,575	223,341
UREA	TOTAL	559,122	527,506	511,887	460,151	373,424	491,289	2,923,379
CAN	PAK ARAB	-	-	-	-	-	-	-
CAN	FATIMA	36,118	41,203	40,088	42,257	42,131	25,936	227,733
CAN	TOTAL	36,118	41,203	40,088	42,257	42,131	25,936	227,733
NP	PAK ARAB	-	-	-	-	-	-	-
NP	EFERT	5,329	1,034	16,601	4,565	4,243	3,166	34,938
NP	Fatima Fertilizer Company	34,824	36,845	38,835	42,430	44,350	22,903	220,187
NP	TOTAL	40,153	37,879	55,436	46,995	48,593	26,069	255,125
SSP (J. WAL 18%)	LCFL	-	-	-	-	-	-	-
SSP (H. PUR 18%)	Agri Tech (Pvt.) Limited	7,470	8,310	3,073	2,925	6,594	6,218	34,590
SSP	Suraj Fertilizer	5,509	4,544	685	2,062	-	-	12,800
SSP	Safi Group	-	-	-	-	-	-	-
SSP	TOTAL	12,979	12,854	3,758	4,987	6,594	6,218	47,390
DAP	FFC	55,710	66,483	63,538	30,723	60,989	74,920	352,363
SOP	Pacific	-	-	-	-	-	3,363	3,363
NPK	EFERT	14,966	4,840	423	4,951	11,890	8,443	45,513
NPK	Safi Group	-	-	-	-	-	-	-
	GRAND TOTAL	719,048	690,765	675,130	590,064	543,621	636,238	3,854,866
	NITROGEN	287,346	274,664	270,120	239,820	206,308	253,354	1,531,613
	PHOSPHATE	40,640	42,605	42,751	26,695	42,805	43,079	238,576
	POTASH	2,694	852	76	844	2,199	3,229	9,893
	TOTAL	330,680	318,121	312,948	267,359	251,312	299,662	1,780,082

FERTILIZER PRODUCTION BY PRODUCT AND MANUFACTURER DURING RABI 2018-19 AND RABI 2019-20

(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

FERTILIZER IMPORTS DURING RABI 2018-19

(Tonnes)

MONTH	Urea	DAP	NP	SOP	MOP	AS	SSP	MAP	TOTAL PRODUCTS	NITROGEN	PHOSPHATE	POTASH	TOTAL PRODUCTS
OCTOBER	-	238,799	-	4,682	2,033	11,525	3,838	-	260,877	45,404	110,538	3,561	159,503
NOVEMBER	-	221,339	5,200	1,232	550	1,567	-	-	229,888	41,314	102,856	946	145,116
DECEMBER	105,126	89,906	2,800	956	213	735	440	1,137	201,313	65,425	42,564	606	108,595
JANUARY	-	39,291	3,000	3,436	6,058	11,262	1,687	19,671	84,405	12,065	28,813	5,353	46,230
FEBRUARY	-	7,438	3,000	4,651	2,539	1,936	382	1,319	21,265	2,537	4,750	3,849	11,136
MARCH	-	82,529	-	7,349	3,870	5,163	2,251	756	101,918	16,015	38,747	5,997	60,758
TOTAL	105,126	679,302	14,000	22,306	15,263	32,188	8,598	22,883	899,666	182,760	328,268	20,311	531,339

FERTILIZER IMPORTS DURING RABI 2019-20

(Tonnes)

MONTH	Urea	DAP	NP	SOP	MOP	AS	SSP	MAP	TOTAL PRODUCTS	NITROGEN	PHOSPHATE	POTASH	TOTAL PRODUCTS
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

MONTH WISE AND PRODCT WISE OFFTAKE DURING RABI 2018-19 AND 2019-20

((RABI 2018-19))

(Tonnes)

Products	Sources	OCTOBER	NOVEMBER	DECEMBER	JANUARY	FEBRUARY	MARCH	TOTAL
UREA	IMPORTED	-	-	23,664	70,683	10,779	-	105,126
UREA	FFC	248,674	248,169	325,693	198,559	180,315	204,784	1,406,194
UREA	DHCL	14,420	42,425	50,072	28,303	16,460	16,995	168,675
UREA	PAK ARAB	22	60	216	-	-	-	298
UREA	EFERT	143,326	139,400	211,836	160,671	130,669	147,119	933,021
UREA	Agritech	20,247	32,825	39,491	25,010	14,056	27,068	158,697
UREA	Fatima	38,382	34,044	59,918	80,426	35,918	12,495	261,183
UREA	TOTAL	465,071	496,923	710,890	563,652	388,197	408,461	3,033,194
CAN	PAK ARAB	4,064	1,972	4,725	766	1,690	1,414	14,631
CAN	Fatima	30,896	21,290	40,003	77,497	44,369	20,529	234,584
CAN	TOTAL	34,960	23,262	44,728	78,263	46,059	21,943	249,215
NP	Imported	-	3,560	4,340	309	1,032	285	9,527
NP	PAK-ARAB	-	-	8	-	-	-	8
NP	EFERT	4,833	4,397	10,282	4,846	1,661	2,691	28,710
NP	Fatima Fertilizer Company	42,171	23,346	15,109	48,800	13,274	14,237	156,937
NP	TOTAL	47,004	31,303	29,739	53,955	15,967	17,213	195,182
SSP	Imported	3,458	1,652	745	801	369	2,334	9,359
SSP	LCFL	-	-	-	-	-	-	-
SSP	Agritech	15,091	15,855	4,416	2,560	2,140	2,182	42,244
SSP	Suraj Fertilizer	5,499	4,875	987	966	347	520	13,194
SSP	Safi Chemicals	-	-	-	-	133	474.00	607
SSP	TOTAL	24,048	22,382	6,148	4,327	2,989	5,510	65,404
DAP	IMPORTED	417,977	177,991	111,747	63,371	37,030	50,230	858,346
DAP	FFC	103,272	86,595	77,298	11,250	11,503	15,245	305,163
DAP	TOTAL	521,249	264,586	189,045	74,621	48,533	65,475	1,163,509
TSP	IMPORTED	-	-	-	-	-	-	-
SOP	IMPORTED	4,109	2,324	5,821	2,142	2,849	3,271	20,517
MAP	IMPORTED	-	-	-	4,334	2,808	1,362	8,504
MOP	IMPORTED	3,635	2,740	1,864	2,205	1,956	1,490	13,890
NPKs	EFERT	12,320	4,998	1,397	3,851	6,577	11,064	40,207
NPKs	Safi Group	-	-	-	-	-	-	-
AS	IMPORTED	4,965	4,652	6,199	7,310	4,120	4,330	31,576
	GRAND TOTAL	1,117,361	853,171	995,831	794,660	520,056	540,119	4,821,198
	NITROGEN	329,996	291,069	380,953	308,059	205,012	211,841	1,726,930
	PHOSPHATE	257,695	133,972	95,224	50,489	29,231	37,681	604,292
	POTASH	6,444	3,686	4,279	3,059	3,780	4,601	25,849
	TOTAL	594,135	428,727	480,456	361,607	238,023	254,123	2,357,071

**MONTH WISE AND PRODCT WISE OFFTAKE DURING RABI 2018-19 AND 2019-20
(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	4,627,469
	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

NUTRIENT SUPPLY/DEMAND SITUATION DURING RABI 2019-20

(Tonnes)

DESCRIPTION	NITROGEN	PHOSPHATE	POTASH	TOTAL
Opening Balance	326,716	220,861	19,476	567,053
Domestic production	1,570,571	223,112	8,741	1,802,424
Imports	160,151	401,175	13,285	574,611
Total Availability	2,057,438	845,148	41,502	2,944,088
Offtake	1,658,325	582,507	24,799	2,265,631
Export	-	-	-	0
Adjustment (+)(-)	-7547	-3168	-219	-10934
National Inventory	391,566	259,473	16,484	667,523

PRODUCT WISE SUPPLY DEMAND SITUATION DURING RABI 2019-20

(Tonnes)

DESCRIPTION	UREA	CAN	NP	SSP	DAP	TSP	SOP	NPK's	MOP	MAP	AS	TOTAL
Opening Balance	469,651	63,009	89,320	9,401	405,059	2	25,336	13,303	7,291	11,857	20,971	1,115,200
Domestic production	3,008,612	239,837	268,637	29,172	324,295	-	3,806	37,156	-	-	-	3,911,515
Imports	-	-	-	-	848,152	-	8,031	-	15,449	22,050	25,136	918,818
Total Availability	3,478,263	302,846	357,957	38,573	1,577,506	2	37,173	50,459	22,740	33,907	46,107	5,945,533
Offtake	2,872,141	250,064	277,453	35,291	1,078,954	-	20,811	35,494	13,345	13,298	30,618	4,627,469
Export	-	-	-	-	-	-	-	-	-	-	-	0
Adjustment (+)(-)	-15,461	59	11,837	4,332	1,294	0	1,267	-1,170	0	0	-	2,158
National Inventory	590,661	52,841	92,341	7,614	499,846	2	17,629	13,795	9,395	20,609	15,489	1,320,222

AGGREGATED MARKET SHARE OF VARIOUS FERTILIZER DISTRIBUTION AGENCIES DURING 2019-20

(Tonnes)

SECTOR/AGENCIES	UREA	CAN	NP	SSP	DAP	NPKs	TSP	SOP	MOP	MAP	AS	TOTAL
NFML	100,983	-	-	-	-	-	-	-	-	-	-	100,983
Total Public Sector	100,983	-	-	-	-	-	-	-	-	-	-	100,983
FFC	3,109,074	-	-	-	933,203	-	-	11,339	3,843	-	-	4,057,459
EFERT	1,958,210	-	48,197	4,086	442,410	71,350	-	14,020	9,614	27,257	26,791	2,601,935
Fatima Fert. (DHCL)	252,725	-	-	-	106,637	-	-	-	-	-	-	359,362
PAK ARAB	5,915	94,668	122,429	-	15,469	-	-	-	-	-	-	238,481
Agri Tech (Pvt.) Limited	201,779	-	-	55,560	-	-	-	-	-	-	-	257,339
Fatima Fertilizer Company Limited	386,589	407,600	403,979	-	45,873	-	-	-	-	-	-	1,244,041
LCFL (Al Hamd Group)	-	-	-	-	-	-	-	-	-	-	-	-
Suraj Fertilizers	-	-	-	8,134	-	-	-	-	-	-	-	8,134
Safi Chemicals	-	-	-	1,668	-	22	-	-	-	-	-	1,690
Other Private Importers	-	-	3,625	-	440,088	-	-	16,606	13,965	140	45,436	519,860
Total Private Sector	5,914,292	502,268	578,230	69,448	1,983,680	71,372	-	41,965	27,422	27,397	72,227	9,288,301
Grand Total	6,015,275	502,268	578,230	69,448	1,983,680	71,372	-	41,965	27,422	27,397	72,227	9,389,284

AGGREGATED MARKET SHARE OF VARIOUS FERTILIZER DISTRIBUTION AGENCIES DURING KHARIF 2019

												(Tonnes)
SECTOR/AGENCIES	UREA	CAN	NP	SSP	DAP	NPKs	TSP	SOP	MOP	MAP	AS	TOTAL
NFML	67,754	-	-	-	-	-	-	-	-	-	-	67,754
Total Public Sector	67,754	-	-	-	-	-	-	-	-	-	-	67,754
EFERT	913,439	-	40,644	10,757	200,963	35,632	-	5,033	5,753	17,005	16,264	1,245,490
FFC	1,509,914	-	-	-	552,406	-	-	1,464	2,445	-	-	2,066,229
DHCL	205,675	-	-	-	33,586	-	-	-	-	-	-	239,261
Agri Tech (Pvt.) Limited	153,879	-	-	13,748	-	-	-	-	-	-	-	167,627
PAK ARAB	-	2,970	300	-	61,168	-	-	-	-	-	-	64,438
Fatima Fertilizers	173,093	217,742	249,343	-	-	-	-	-	-	-	-	640,178
Suraj Fertilizer Industries	-	-	-	5,302	-	-	-	-	-	-	-	5,302
LCFL (Al Hamd Group)	-	-	-	-	-	-	-	-	-	-	-	-
Safi Chemicals	-	-	-	55	-	-	-	-	-	-	-	55
Private Importers	-	-	888	-	126,013	-	-	9,235	5,171	-	18,463	159,770
Total Private Sector	2,956,000	220,712	291,175	29,862	974,136	35,632	-	15,732	13,369	17,005	34,727	4,588,350
Grand Total	3,023,754	220,712	291,175	29,862	974,136	35,632	-	15,732	13,369	17,005	34,727	4,656,104

AGGREGATED MARKET SHARE OF VARIOUS FERTILIZER DISTRIBUTION AGENCIES DURING RABI 2019-20

(Tonnes)

SECTOR/AGENCIES	UREA	CAN	NP	SSP	DAP	NPKs	TSP	SOP	MOP	MAP	AS	TOTAL
NFML	33,229	-	-	-	-	-	-	-	-	-	-	33,229
Total Public Sector	33,229	-	-	-	-	-	-	-	-	-	-	33,229
EFERT	806,377	-	26,176	184	266,224	35,472	-	7,413	4,225	13,193	8,768	1,168,032
FFC	1,538,221	-	-	-	435,595	-	-	8,408	1,883	-	-	1,984,107
DHCL	159,580	-	-	-	87,040	-	-	-	-	-	-	246,620
Agri Tech (Pvt.) Limited	113,110	-	-	27,978	-	-	-	-	-	-	-	141,088
PAK ARAB	874	37,626	16,070	-	2,892	-	-	-	-	-	-	57,462
Fatima Fertilizers	220,750	212,438	232,288	-	-	-	-	-	-	-	-	665,476
LCFL (AL Hamd Group)	-	-	-	-	-	-	-	-	-	-	-	-
Suraj Fertilizers	-	-	-	6,187	-	-	-	-	-	-	-	6,187
Safi Chemicals	-	-	-	942	-	22	-	-	-	-	-	964
Private Importers	-	-	2,919	-	287,203	-	-	4,990	7,237	105	21,850	324,304
Total Private Sector	2,838,912	250,064	277,453	35,291	1,078,954	35,494	-	20,811	13,345	13,298	30,618	4,594,240
Grand Total	2,872,141	250,064	277,453	35,291	1,078,954	35,494	-	20,811	13,345	13,298	30,618	4,627,469

COMPARATIVE FERTILIZER DEMAND ESTIMATES FOR RABI 2020-21

(Tonnes)

Months	Nitrogen	Phosphate	Potash	Total	Urea	DAP
Apr-19	178,919	54,835	3,283	237,037	292,425	86,170
May-19	340,029	116,228	1,929	458,186	592,525	213,024
Jun-19	337,156	80,847	2,498	420,501	642,577	157,743
Jul-19	283,188	113,014	3,221	399,423	465,496	202,033
Aug-19	329,410	60,481	3,516	393,145	625,424	105,295
Sep-19	233,871	106,587	7,755	348,085	405,306	209,871
Kharif 2019	1,702,573	531,992	22,202	2,256,767	3,023,753	974,136
Oct-19	123,424	140,724	4,971	268,061	121,359	270,917
Nov-19	269,619	201,869	3,936	474,814	380,729	404,219
Dec-19	684,828	107,721	4,711	519,412	1,345,359	193,312
Jan-20	147,394	28,455	1,252	305,730	261,747	43,724
Feb-20	258,959	54,853	6,263	245,829	460,447	87,562
Mar-20	174,101	48,885	3,666	228,402	302,500	79,220
Rabi 2019-20	1,658,325	582,507	24,799	2,265,631	2,872,141	1,078,954
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
FY 2019-20	3,414,656	1,083,720	50,191	4,548,567	6,015,274	1,983,680
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	381,832	392,815	228,479
Kharif 2020	1,872,186	649,606	32,946	2,554,738	3,187,897	1,161,990
Oct-20	250,133	211,901	6,001	468,034	352,000	393,000
Nov-20	364,816	226,653	4,272	595,740	542,300	390,200
Dec-20	489,069	95,562	3,344	587,974	1,016,400	177,611
Jan-21	245,208	43,471	2,785	291,464	500,500	70,184
Feb-21	212,056	51,937	4,966	268,959	446,600	86,183
Mar-21	182,205	62,474	4,524	249,203	386,100	98,284
Rabi 2020-21	1,743,486	691,998	25,890	2,461,374	3,243,900	1,215,462

NUTRIENT (NPK) WISE FERTILIZER SUPPLY AND DEMAND PROJECTIONS UP TO 2024-25

('000' Nutrient Tonnes)

Year	Nitrogen (N)			Phosphate (P)			Potash (K)			NPK Offtake/ Demand
	Production	Offtake/ Demand	Surplus/ Deficit	Production	Offtake/ Demand	Surplus/ Deficit	Domestic Supply	Offtake/ Demand	Surplus/ Deficit	
2019-20	3271	3415	-144	506	1084	-578	17	50	-33	4,549
2020-21	3420	3600	-180	550	1328	-778	20	56	-36	4,984
2021-22	3420	3501	-81	550	1277	-727	20	47	-27	4,825
2022-23	3420	3588	-168	550	1341	-791	20	50	-30	4,979
2023-24	3420	3678	-258	550	1408	-858	20	52	-32	5,138
2024-25	3420	3770	-350	550	1478	-928	20	55	-35	5,303

Note: The figures of 2019-20 are actual while the offtake figures of 2020-21 are estimates and from 2021-22 to 2024-25 are projections. The figures relating to production beyond 2019-20 show production capacity not the actual production.

RAINFALL (2019-20)

(MM)

STATION	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	TOTAL
Peshawar	39	65	29	8	32	3	48	36	150	60	8	9	487
Rawalpindi	269	235	111	51	64	14	99	119	258	74	184	65	1,543
Jhelum	310	153	65	12	14	24	87	65	165	25	39	91	1,050
Lahore	424	103	75	28	5	14	66	7	105	24	15	38	904
D.I. Khan	69	55	31	18	5	6	33	24	140	65	14	35	495
Faisalabad	138	86	42	21	3	6	48	36	136	20	15	70	621
Multan	10	57	25	30	12	13	28	7	1	19	45	42	289
Khanpur	18	36	12	27	-	6	13	-	25	2	3	2	144
Quetta	23	9	2	6	27	11	123	12	15	10	17	3	258
Rohri	4	18	3	1	43	1	27	-	7	5	2	-	111
Hyderabad	-	-	13	-	-	-	-	-	-	2	2	-	17
Gilgit	10	19	9	3	28	-	14	-	3	14	20	6	126
Skardu	4	28	10	8	29	17	88	60	4	25	4	-	277

Source: National Agromet Centre, Islamabad

GAS CONSUMPTION BY PLANTS DURING 2018-19

(MMCF)

COMPANY	CONSUMPTION	JUL ' 18	AUG ' 18	SEP ' 18	OCT ' 18	NOV ' 18	DEC ' 18	JAN ' 19	FEB ' 19	MAR ' 19	APR ' 19	MAY ' 19	JUN ' 19	TOTAL
Sui Northern Gas Pipelines Limited														
Pak-Arab	Feed	-	-	-	-	-	-	-	-	-	-	-	-	-
	Fuel	20	20	20	19	19	18	19	16	16	17	18	17	219
	Total	20	20	20	19	19	18	19	16	16	17	18	17	219
EFERT	Feed	3,094	3,117	3,001	3,028	2,940	3,187	3,217	1,974	2,573	3,003	3,113	3,054	35,302
	Fuel	290	292	281	284	276	299	302	185	241	282	292	286	3,310
	Total	3,384	3,409	3,283	3,311	3,216	3,486	3,519	2,159	2,814	3,285	3,404	3,341	38,611
Oil and Gas Development Company Limited														
EFERT	Feed	40	39	56	51	69	88	5	10	5	-	17	45	425
	Fuel	340	335	299	312	275	269	327	279	313	253	266	328	3,596
	Total	380	374	355	363	344	357	332	289	318	253	283	373	4,021
Liquefied Natural Gas (LNG)														
Agritech	Feed	-	-	153	750	740	696	601	319	755	728	755	731	6,229
	Fuel	-	-	35	129	132	140	138	112	154	154	157	148	1,299
Fatimafert	Feed	-	-	95	1,047	847	841	797	472	1,156	1,074	1,061	976	8,365
	Fuel	6	8	55	254	207	320	243	128	248	205	224	227	2,124
	Total	6	8	338	2,180	1,927	1,997	1,778	1,030	2,312	2,162	2,197	2,082	18,017
Sui Southern Gas Company Limited														
FFBL	Feed	1,680	1,804	1,637	1,620	1,711	1,566	249	933	1,439	1,779	1,873	1,736	18,027
	Fuel	27	23	124	121	80	34	28	109	28	24	19	23	640
	Total	1,707	1,827	1,761	1,741	1,791	1,600	277	1,042	1,467	1,803	1,892	1,759	18,667
Mari Gas Company Limited														
EFERT	Feed	1,649	1,749	1,611	1,570	1,579	1,872	1,606	1,775	1,966	962	920	1,811	19,070
	Fuel	633	596	578	658	621	659	575	574	789	713	809	782	7,987
	Total	2,281	2,345	2,189	2,227	2,200	2,530	2,181	2,349	2,755	1,675	1,729	2,594	27,057
FFC-1 & 2	Feed	4,434	4,359	4,246	4,431	4,247	4,219	3,703	3,359	4,186	4,296	4,448	4,262	50,190
	Fuel	1,005	1,013	945	992	964	1,016	869	721	945	1,045	1,096	1,070	11,682
	Total	5,440	5,372	5,191	5,423	5,211	5,235	4,572	4,080	5,131	5,341	5,544	5,332	61,872
FFC-III (MM)	Feed	2,381	2,383	2,304	2,377	2,323	2,423	2,419	2,179	2,400	2,044	2,410	2,313	27,955
	Fuel	420	392	405	410	357	370	412	365	420	406	423	426	4,806
	Total	2,801	2,774	2,709	2,787	2,680	2,793	2,830	2,544	2,820	2,450	2,833	2,739	32,761
Fatima Fertilizer	Feed	2,825	2,805	2,755	2,856	2,765	2,889	2,853	2,515	1,437	2,170	2,505	2,798	31,172
	Fuel	493	490	488	498	474	462	460	419	374	413	452	433	5,454
	Total	3,318	3,295	3,243	3,355	3,239	3,351	3,313	2,933	1,810	2,582	2,957	3,231	36,627
Total	Feed	16,103	16,255	15,859	17,729	17,222	17,781	15,450	13,536	15,916	16,056	17,101	17,727	196,735
	Fuel	3,234	3,169	3,230	3,676	3,405	3,586	3,373	2,907	3,528	3,511	3,757	3,742	41,117
Grand Total	Total	19,337	19,424	19,089	21,406	20,626	21,367	18,823	16,443	19,444	19,567	20,858	21,468	237,852

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
	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	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														
FFBL	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	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

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