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# AGRI. OUTLOOK

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PLANNING & RESEARCH DEPARTMENT  
ZTBL, Head Office Islamabad

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## EXECUTIVE SUMMARY

Land preparation for cultivation of rabi crops, spraying of chemicals on major standing Kharif crops, picking of cotton and harvesting of maize were the major field activities reported in the month of September. Growth of Cotton, Rice, Sugarcane and Maize was found satisfactory in September due to incidence of satisfactory monsoon rains in most of agricultural plains of the country, as reported by the National Agromet Center (NAMC), Pakistan Meteorological Department (PMD)

Among major standing crops, cotton, rice and Maize crop has attained maturity in most of the agricultural plains of the country. Therefore, harvesting of rice, maize in KP and picking of cotton was found in progress in the month of September. Cultivation of sugarcane crop for fall season has been started after land preparation in growing areas of Punjab. Germination of autumn season maize crop was also reported by the PMD. Overall conditions of seasonal fruits and vegetables have been reported satisfactory in all provinces. No serious pest and disease attack were found on crops, vegetables and fruit trees.

During the month of September, heavy rainfall events were occurred in most parts of the country especially upper parts of Punjab and Sindh. While the rest of the country received non-significant rainfall. Maximum rainfall was reported as 323 mm in Jhelum followed by 282mm in Kasur and 253 mm Chaklala(Rawalpindi). Slightly warmer atmospheric conditions were prevailed across the Punjab, KP and Sindh provinces; however cool environment was observed in Balochistan and Gilgit Baltistan during the period under review. Light to moderate rainfall events are expected to occur with drop of 3 to 5°C temperature in the month of October.

As per estimates of Pakistan Bureau of Statistics (PBS), average prices of Rice IRRI-6/9, Bananas, Pulse Moong (washed), Potatoes, Tomatoes and Chilies powder were decreased over the month of August. However, prices of Chicken Farm Broiler, hen eggs, Pulse Masoor, Onion and Garlic was significantly increased in September as compared to past month.

During the month of August, 2021 Exports from Pakistan to other countries were stood at Rs.368,847 million, showed decrease of 1.2 % over the month of July 2021. While imports were increased by the 22% over July 2021 and stood at Rs. 889,779 million. According to National Fertilizer Development Center (NDFC) total nutrient offtake during August, 2021 was stood at 495 thousand tonnes, recorded a decrease of 6.7 per cent over August 2020.

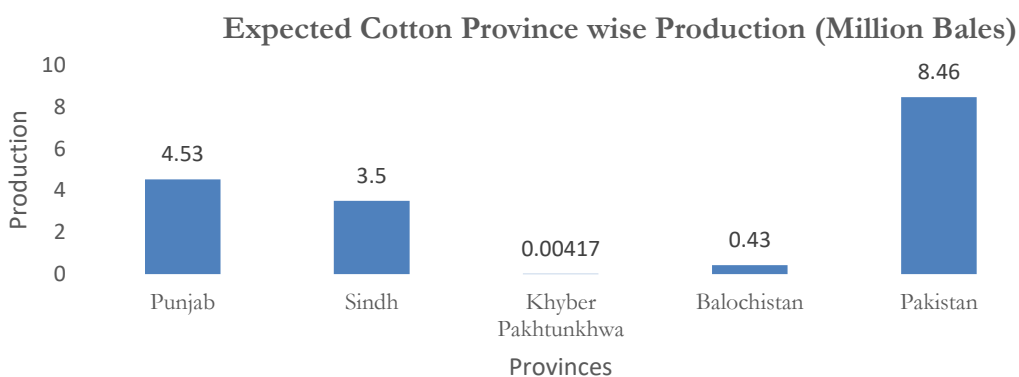
## CURRENT CROP SITUATION

### Cotton Crop

Overall situation of the crop was reported satisfactory by the Pakistan Meteorological Department (PMD). Crop was reported at maturity stage and picking of cotton was found in progress across the country. Mild attack of insects/pests like white fly, boll worm, thrips and mealy bug was reported in Punjab and Sindh. Moreover, incidence of Cotton Leaf Curl Virus (CLCV) was also reported by the PMD.

In terms of Production of crop for the current season 2021-22, it has been predicted that production will be at 8.46 million bales against the target of 10.5 million bales. Among four provinces, Punjab will produce 4.53 million bales, Sindh will produce 3.53 million bales, whereas KPK and Balochistan will produce 0.00417 million bales and 0.43 million bales respectively as shown in figure below.

These estimates of production were released by the Cotton Crop Assessment Committee (CCAC) during their first meeting held on 1<sup>st</sup> September, 2021 under the leadership of Federal Minister of National Food Security & Research Islamabad.



Source: *Cotton Crop Assessment Committee Meeting held on 01.09.2021*

### Rice Crop

During the month of September, 2021 crop condition was found satisfactory in Punjab and Sindh provinces, where harvesting of early grown varieties have been reported. Farmers have been advised to maintain optimum level of water in their fields, as excess water can cause reduction in overall production of crop.

### Sugarcane Crop

Crop has been reported satisfactory in Punjab, Sindh and KP provinces. However, few attack of insect/pests like borers have been reported so far in Central Punjab. Plantation of September cultivated crop was found in progress. Farmers have been advised to apply nitrogen fertilizer and apply fungicides to protect crop from rodents and insects.

### Maize Crop

Seed germination of autumn season sown crop has been observed and reported satisfactory in Punjab, Sindh and crop is growing normally in Gilgit Baltistan and Balochistan province. However, it is at grain formation stage in most parts of Khyber Pakhtunkhwa (KP); besides it harvesting of early grown varieties was also reported in the province. Farmers have been advised to irrigate crop timely, because gap may cause production of weak grains.

### Oil seeds

- Groundnut crop was reported at maturity stage in Punjab, however its harvesting of early grown varieties has been started.
- Sowing and early growth of sunflower was reported satisfactory in Sindh.
- Land preparation for the plantation of Brassica and Canola was found in progress.

### Pulses

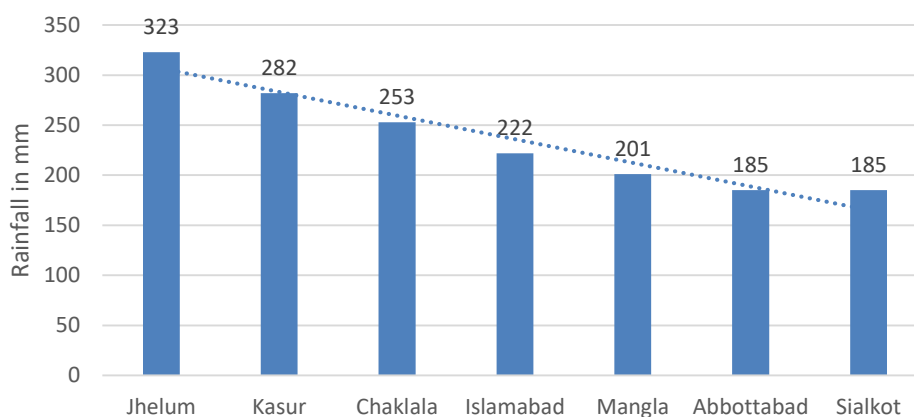
- Sowing of winter pulses like gram and lentil has been started in Punjab.
- Cowpea were being grown satisfactory in the region of Gilgit Baltistan.

### Vegetables and Fruits

- Harvesting of red chili was found in progress.
- Sowing of seasonal vegetables like raddish, carrot and turnip was reported satisfactory in Punjab and Sindh.
- Overall condition of orchards was reported satisfactory in the KP province.
- Marketing of local fruits and vegetables were found in progress in Balochistan.
- Condition and yield of major orchards and summer vegetables was also reported satisfactory in Gilgit Baltistan.

## WEATHER SUMMARY

According to PMD, heavy rainfall events were happened in most of agricultural plains of the upper parts of Punjab and Sindh in the month of September. While non-significant rain fall events were occurred in rest of the country. Monsoon weather systems remained active till the mid of the September. These monsoon weather systems along with westerly waves penetrate mostly in the upper half of the country and cause rainfall of light to moderate intensity in this month. The highest amount of rainfall reported in the month was 323mm in Jhelum followed by 282mm in Kasur and 253mm in Chaklala as shown in the figure below:



Amount of Rainfall in September

Maximum number of rainy days was recorded (15 days) in Sialkot followed by 10 days in Islamabad, Lahore, Bagrote, Skardu and Kakul each and 09 days in Kasur, Murree, Gujranwala, Astore and Gilgit each.

## Temperature Regime

Thermal regime in this month remained normal to above normal in most of the agricultural plains of the country. Mean daily temperature ranged 30 to 31°C in Khyber Pakhtunkhwa, 29 to 30°C in Potohar plateau, 29 to 31°C in remaining parts of Punjab, 30 to 33°C in agricultural plains of Sindh, 17 to 21°C in Gilgit Baltistan region and it was observed 23°C in the high elevated agricultural plains of Baluchistan represented by Quetta valley.

## Mean Relative Humidity

The mean daily Relative Humidity (R.H) remained normal to below normal in most of the agricultural plains of the country except Eastern Punjab where R.H was observed above normal due to heavy rains. Maximum value of mean Relative humidity was observed 70% at Lahore, followed by 65% at Rawalpindi and 63% at Jhelum.

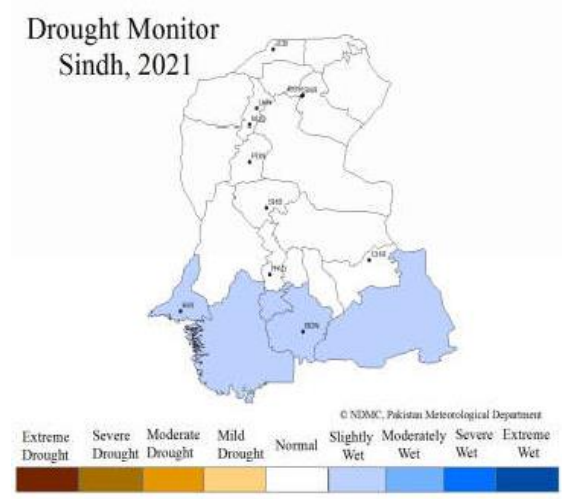
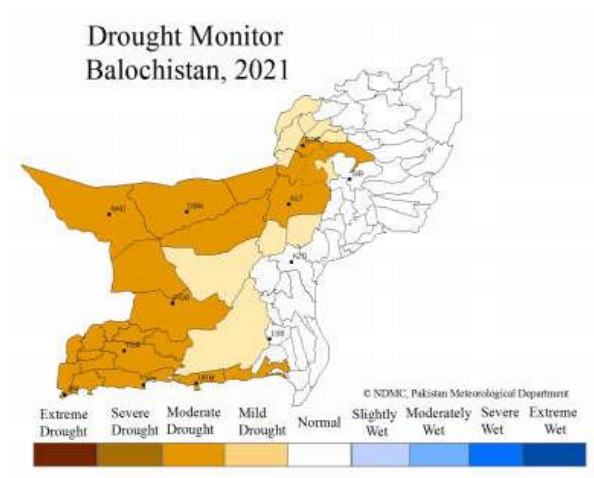
## Expected Weather during October, 2021

According to PMD, October is considered as the driest month of Rabi season and it act as transition period between summer and winter season. Weather forecast for the month of October is given below:

- Light to moderate rainfall is expected over northern Balochistan, upper divisions of KPK, sub-mountainous areas of Punjab and Kashmir.
- The mean daily temperatures may be dropped about 3 to 5°C as compared to September.
- Thermal conditions may range 22 to 26°C over most of Punjab and Khyber Pakhtunkhwa. However, it may exceed 30°C in Sindh whereas in high agricultural plains of Balochistan, it would be close to 15°C.
- The mean daily relative humidity may range between 45% and 55% during the month
- High agricultural plains of Balochistan are expected to experience few freezing nights towards the end of the month.

## DROUGHT SITUATION

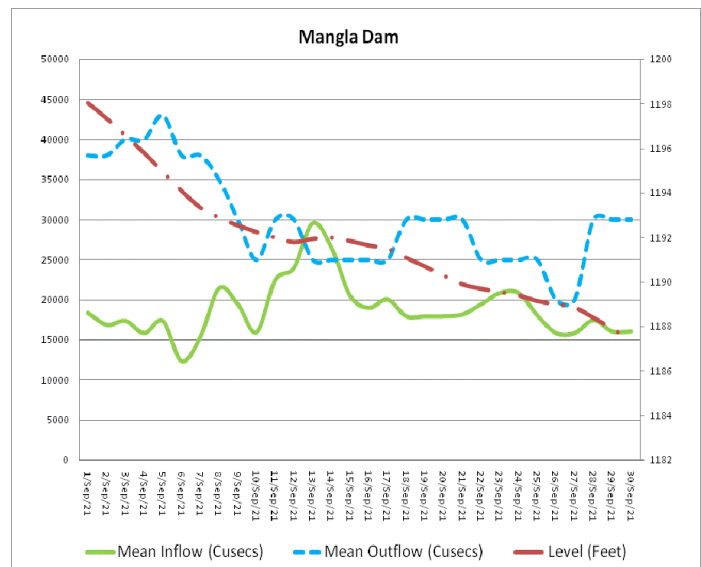
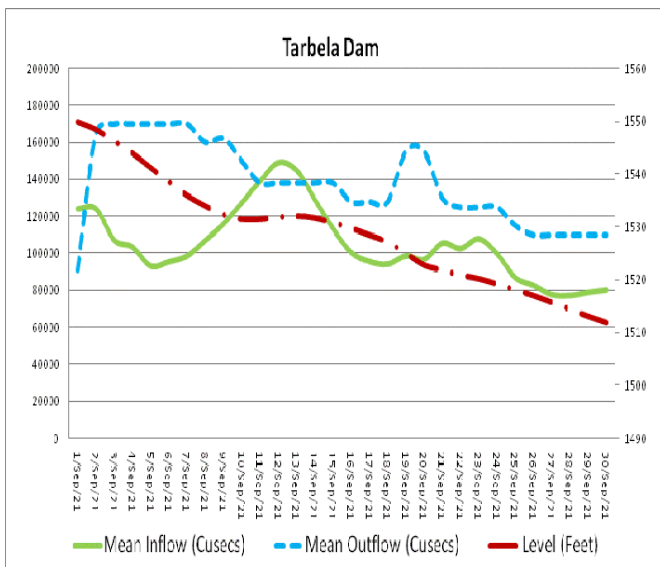
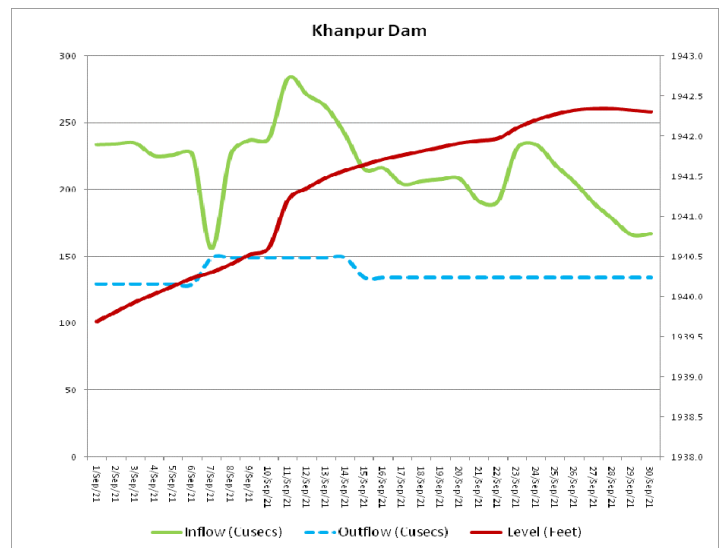
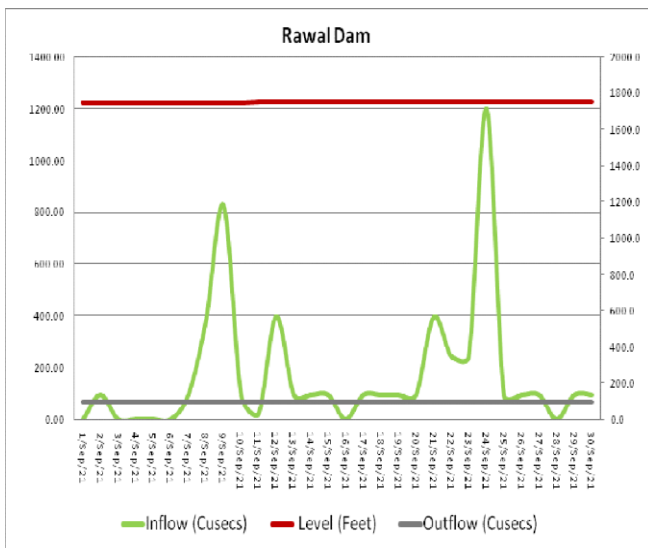
According to PMD, moderate drought conditions were prevailed in district Chagi, Kharan, Panjgur, Washuk and Kech while mild conditions were occurred in district Awaran and Quetta. While, prevalence of rainy conditions in recent weeks in Sindh caused normal conditions.



## WATER AVAILABILITY

During the month of September 2021, water inflow, outflow and level of Rawal, Khanpur, Terbela and Mangla dams are shown in table and figure:

Dams	Detail
Rawal Dam	<ul style="list-style-type: none"> <li>Water level and outflow in cusecs remained sustained throughout the month.</li> <li>An increasing trend was observed in dam.</li> </ul>
Khan Pur Dam	<ul style="list-style-type: none"> <li>Water level showed an increasing trend in the dam due to variable inflow.</li> <li>Out flow remained consistent</li> </ul>
Terbela Dam	<ul style="list-style-type: none"> <li>All three indicators i.e. water level, inflow and outflow showed decreasing trend.</li> </ul>
Mangla Dam	Water level and out flow showed decreasing trend, while inflow was increased in the month.



## AVERAGE PRICES OF AGRI. COMMODITIES

- During the month of September, prices of Rice IRRI-6/9, Bananas, Pulse Moong (washed), Potatoes, Tomatoes and Chilies powder were decreased over the last month i.e. August 2021. Similarly, prices of Pulse moong (washed), potatoes and tomatoes were also decreased over the September 2020.
- Prices of chicken farm broiler, chicken eggs, pulse Masoor, onion and garlic was significantly increased over the month of August 2021. However, prices of most of agri. commodities like wheat flour, beef, mutton, chicken farm broiler, chicken eggs, chilies powder and garlic was significantly increased over the same period of last year.

Description	Unit	Average Prices			%change Sep 21 over	
		Sep 21	Aug 21	Sep 20	Aug 21	Sep 20
Wheat Flour Bag	20 Kg	1203.94	1134.4	1009.52	6.13	19.26
Rice Basmati Broken	1 Kg	95.67	95.32	89.69	0.37	6.67
Rice IRRI-6/9 (Sindh/Punjab)	1 Kg	71.84	72.67	69.95	(1.14)	2.70
Bread plain (Small Size)	Each	59.97	59.75	54.92	0.37	9.20
Beef with Bone	1 Kg	553.3	544.7	470.37	1.58	17.63
Mutton	1 Kg	1125.82	1120.76	974.79	0.45	15.49
Chicken Farm Broiler	1 Kg	216.1	160.83	150.49	34.37	43.60
Milk fresh (Un-boiled)	1 Ltr	111.83	111.43	103.41	0.36	8.14
Curd (Dahi) Loose	1 Kg	129.64	128.89	119.37	0.58	8.60
Powdered Milk 390 gm	Each	495.06	493.3	467.37	0.36	5.92
Eggs Hen (Farm)	1 Dozen	173.8	156.58	133.66	11.00	30.03
Mustard Oil	1 Kg	315.31	306.54	229.3	2.86	37.51
Cooking Oil	Each	1726.75	1677.22	1257.89	2.95	37.27
Vegetable Ghee 2.5 kg	Each	868.43	849.15	629.38	2.27	37.98
Vegetable Ghee	Each	343.46	330.39	244.13	3.96	40.69
Bananas (Kela) Local	1 Dozen	74.32	84.1	70.43		5.52
Pulse Masoor (Washed)	1 Kg	181.82	160.91	156.66	12.99	16.06
Pulse Moong (Washed)	1 Kg	176	183.6	237.47	(4.14)	(25.89)
Pulse Mash (Washed)	1 Kg	249.5	243.75	243.12	2.36	2.62
Pulse Gram	1 Kg	150.13	147.7	141.3	1.65	6.25
Potatoes	1 Kg	50.1	51.57	69.18	(2.85)	(27.58)
Onions	1 Kg	55.85	45.53	50.69	22.67	10.18
Tomatoes	1 Kg	58.66	68.24	84.45	(14.04)	(30.54)
Sugar Refined	1 Kg	107.59	105.46	94.79	2.02	13.50
Gur	1 Kg	140.3	137.95	132.41	1.70	5.96
Salt Powdered	Each	30	30	30	0.00	0.00
Chilies Powder 200 gm	Each	379.57	380	280	(0.11)	35.56
Garlic (Lehsun)	1 Kg	269.9	244.88	226.87	10.22	18.97

Increase in prices



Decrease in price



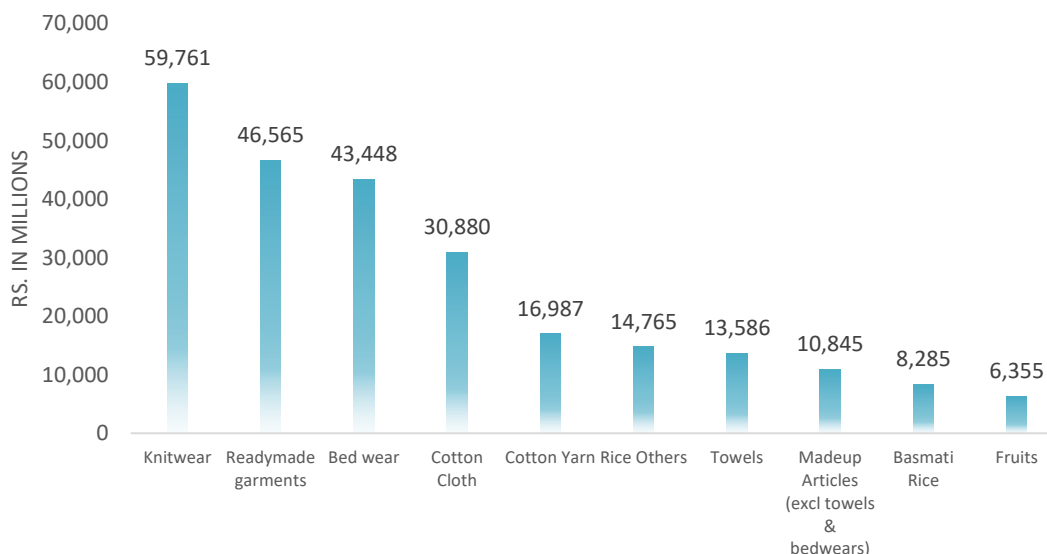


## TRADE SITUATION

### Exports:

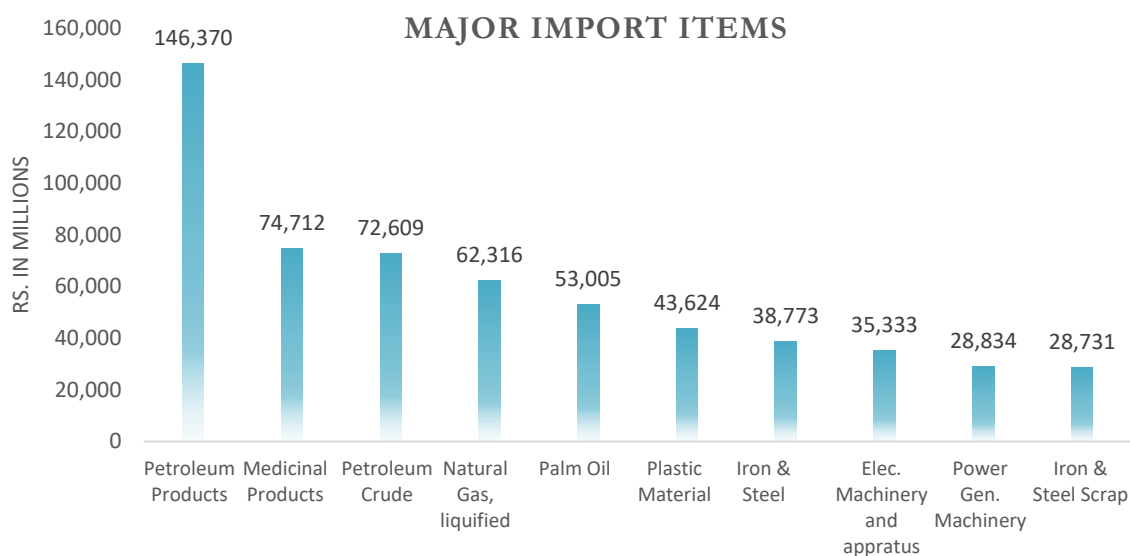
- According to the provisional figures compiled by Pakistan Bureau of Statistics, exports from Pakistan during August, 2021 amounted to Rs.368,847 million (provisional) as compared to Rs.373,412 million in July, 2021 representing a decrease of 1.22%.
- Under comparison with August 2020, these exports were at Rs. 265,660 million at that time, indicating growth of 39% over August 2020.
- Exports during July – August, 2020-21 totaled at Rs. 742,259 million (provisional) as against Rs. 599,255 million during the corresponding period of last year showing an increase of 24%.

### MAJOR EXPORTS COMMODITIES



### Imports

- Imports into Pakistan during August, 2021 were amounted to Rs. 1081,961 million (provisional) as against Rs. 889,779 million (provisional) in July 2021, showing an increase of 22%.
- Under comparison with July 2020, these imports were at Rs.556,064 million at that time, indicating increase of 95% over August 2020.
- Imports into Pakistan during July – August, 2020-21 totaled at Rs.1971,740 million (provisional) as compared to Rs.1,168,727 million during the corresponding period of last year showing an increase of 69%.



### FERTILIZER OFF-TAKE SITUATION

- According to National Fertilizer Development Center (NDFC) total nutrient offtake during August, 2021 was stood at 495 thousand tonnes, recorded a decrease of 6.7% over August 2020.
- Urea offtake during August 2021 was 649 thousand tonnes, which increased by 13.5% over August 2020.
- DAP offtake was 187 thousand tonnes, and was 36.8% less than the same period of last year.
- Offtake of DAP was decreased due to high prices in domestic market in line with international market.
- Nitrogen offtake increased by 3.7 per cent and potash offtake by 124.9 per cent, while phosphate offtake decreased by 33.3 per cent over August, 2020.

### Production of Fertilizers and Imported Supplies

- Production of all fertilizer products during August 2021 was stood as 756 thousand tonnes. Out of which urea and DAP production was 515 and 77 thousand tonnes, respectively.
- Production of other products i.e. CAN, NP, SSP, NPK's and SOP was 68, 81, 9.2, 6 and 0.3 thousand tonnes, respectively.
- Total imported supplies during August 2021 were 102 thousand tonnes comprising of 82 thousand tonnes of DAP, 5.2 thousand tonnes of SOP, 2 thousand tonnes of MOP, 9 thousand tonnes of MAP, and 4 thousand tonnes of AS.

### Prices of Fertilizer

Prices of all fertilizers increased during month of August, 2021 compared with previous month. During same period, average price of urea (sona), urea (other) and DAP increased by 1.5, 1.4 and 7.5 percent, respectively. Price of SSP (G), CAN and SOP also increased by 1.9, 2.5 and 2.8 per cent, respectively. Price of NP and NPK increased by 4 per cent each.

## **NATIONAL NEWS**

### **1,500 Poultry Units Distributed in Faisalabad Division**

The Livestock Department, Punjab Government has distributed 1,500 poultry units in four districts under Faisalabad Division during the last one month at the rate of Rs.1140 per unit. According to official, each poultry unit has 5 hens and 1 cock. Among these units, 400 units have been distributed to farmers in Faisalabad, 400 units in Jhang district, 300 poultry units in district Toba Tek Singh, 450 units were given in Chiniot.

### **Subsidized Seeds of Pulses provided to 41,705 Farmers**

Pakistan Agriculture Research Council (PARC), under its pulses development initiatives had provided subsidized seeds of different beans to over 41,705 farmers across the pulses production areas in the country. The seeds of different pulses were provided to local farmers on 50% subsidy, aiming at to enhance per-acre output of different pulses for attaining self-sufficiency in leguminous production. The other objective of the initiative was to reduce the reliance on imported pulses which were consuming billions of Dollars annually.

### **Govt Constructs 380 Fish Farms in KP**

In order to increase and exploit the potential of fish farming in KP province, Khyber Pakhtunkhwa government is constructing about 380 trout fish farms mostly in Malakand and Hazara divisions to increase meat production the province. Out of these 380 fish farms 287 fish farms will be constructed under Development of Cold Water Fisheries Project (DCWFP) in Khyber Pakhtunkhwa costing Rs772.148 million under the Prime Minister's Agriculture Development Programme (PMAGDP). Similarly, around 93 will be built under Establishment of Trout Villages' Project (ETVP) in Malakand and Hazara divisions with an estimated cost of Rs 395.49 million.

### **Kitchen Gardening: Agriculture Deptt Offers Seed Packet of Seven Different Vegetables**

Seed packets of various seven vegetables are being offered by Punjab Agriculture Department at subsidize rate of Rs. 100/packet with the aim to promote kitchen Gardening in the Province.

#### **Sources:**

- [www.usda.gov.pk](http://www.usda.gov.pk)
- [www.doapunjab.gov.pk](http://www.doapunjab.gov.pk)
- [www.pmd.gov.pk](http://www.pmd.gov.pk)
- [www.pcgga.org.pk](http://www.pcgga.org.pk)
- <http://www.pccc.gov.pk>
- [dai.agripunjab.gov.pk](http://dai.agripunjab.gov.pk)
- <http://crs.agripunjab.gov.pk/reports>

## زرعی سفارشات برائے کسان

### گندم

- ☆ زمین کی تیاری شروع کر دیں، گلی سڑی کھاد ڈالیں اور زمین میں اچھی طرح ملا دیں۔ مزید بیج اور کھاد کا بھی انتظام کریں۔
- ☆ پنجاب کے تمام بارانی علاقوں کے لیے زراعت کی منظور شدہ گندم کی اقسام 2009، NARC 2009، BARS 2009، دھرابی 2011، پاکستان 2013، احسان 2016، فتح جنگ 2016، مرکز 19 اور بارانی 2017 کو 20 اکتوبر سے 15 نومبر تک اور چکوال 50 کو 15 اکتوبر سے 15 نومبر تک کاشت کریں۔
- ☆ پنجاب کے تمام آبپاش علاقوں کے لیے سحر 2006، آری 2011، فیصل آباد 2008، NARC 2011، گلیکسی 2013، بور لاگ 2016، این این گندم 1، زنگول، اناج 2017 وغیرہ کے بیج کا انتظام کریں۔
- ☆ بروقت کاشت 30 نومبر تک کے لیے شرح بیج 40 سے 50 کلوگرام اور یکم دسمبر سے 15 دسمبر تک شرح بیج 50 سے 60 کلوگرام فی ایکڑ رکھیں۔

### چنا اور مسور

- ☆ چنے کی کاشت علاقوں کی موزونیت کے مطابق 25 ستمبر تا 15 اکتوبر تک بذریعہ ڈرل یا پور کاشت کریں اور شرح بیج 30 کلوگرام فی ایکڑ رکھیں۔
- ☆ چنے کی دیسی اقسام میں بلکسر 2000، پنجاب 2008، ونہار 2000، بٹل 98، سی ایم 98 اور بھکر 2011 شامل ہیں۔
- ☆ کابلی اقسام میں، CM2008، نور 91، نور 2009، نور 2013، اور ٹمن 2013 کاشت کریں۔
- ☆ ستمبر کاشتہ کماد میں کابلی چنے کی مخلوط کاشت بڑی مفید ثابت ہوتی ہے۔ اس لیے 4 فٹ کے فاصلے پر کاشتہ کماد کے درمیان بیڈ پر چنے کی دو لائنیں یا 2.5 فٹ کے فاصلے پر کاشتہ کماد میں چنے کی ایک لائن کاشت کریں۔
- ☆ مسور کی کاشت کے لیے زمین کی تیاری شروع کر دیں۔
- ☆ منظور شدہ اقسام نیاب مسور 2002، نیاب مسور 2006، پنجاب مسور 2009، مسور 93 اور چکوال مسور اور مرکز 2009 کے بیج کا بندوبست کریں۔

### کماد

- ☆ فروری کاشتہ کماد کی فصل کو 20 سے 30 دن کے وقفہ سے آبپاشی جاری رکھیں۔
- ☆ جن کھیتوں میں کانگیاری اور تر روگ کا حملہ ہو تو موڈھی فصل نہ رکھیں اور نہ ہی اس کا بیج آئندہ فصل کے لیے کاشت کیا جائے۔

☆ ستمبر کاشت کے لیے زمین کو اچھی طرح تیار کریں نیز محکمہ زراعت کی مندرجہ ذیل سفارش کردہ اقسام کاشت کریں۔

☆ اگتی تیار ہونے والی اقسام

سی پی 77-400، سی پی ایف-237، اور سی پی ایف-246۔

☆ درمیان تیار ہونے والی اقسام

ایچ ایس ایف 240، ایچ ایس ایف 242، ایس پی ایف-213، ایس پی ایف-234، سی پی ایف-247، سی پی ایف 248 اور

سی پی ایف-249۔

☆ بیج اس طرح تیار کریں کہ ایک سہے میں 3 سے 4 آنکھیں ہوں۔ اور کھادوں کا استعمال تجزیہ زمین کے مطابق چار بنیادی اصولوں یعنی صحیح مقدار، صحیح انتخاب، صحیح جگہ اور صحیح وقت کے مطابق کریں۔ اس ضمن میں آپ زرعی ماہرین سے مشورہ لے سکتے ہیں۔

### سبزیات

☆ آلو کی کاشت کا بہترین وقت یکم اکتوبر سے 20 اکتوبر تک ہے۔

☆ آلو کی کاشت سے پہلے بیج کی خوابیدگی کو توڑنا ضروری ہوتا ہے۔ آلو 10 تا 12 ہفتے پڑا رہنے سے خوابیدگی ختم ہو جاتی ہے۔

☆ موسم خزاں کی فصل کے لیے شرح تخم 1200 تا 1500 کلوگرام فی ایکڑ استعمال کریں۔

☆ موسم سرما کے لیے مولی، گاجر اور شلجم کی کاشت جاری رکھیں۔ ان کے بیج بالترتیب 3 تا 6، 6 تا 8 کلو اور 1 کلوگرام فی ایکڑ استعمال کریں۔

☆ بے موسمی سبزیوں کی کاشت کے لیے ٹنل ٹیکنالوجی کو اپنائیں اور سبز مرچ، شملہ مرچ کی پیوری کو جلد از جلد مکمل کر لیں۔

☆ اکتوبر کے پہلے 15 دن لہسن کی کاشت کے لیے انتہائی موزوں ہے۔ منظور شدہ اقسام لہسن گلابی دیسی سفید اور جی ایس 1 ہیں۔

Source: 1) Ziratnama Government Of Punjab (Farmers' Advisory)

2) Monthly Agromet Bulletin, National Agromet Center, Pakistan Meterological Department.

پلاننگ اینڈ ریسرچ ڈیپارٹمنٹ

ہیڈ آفس، زرعی ترقیاتی بینک لمیٹڈ

اسلام آباد