

Sindh Agricultural Statistical Report of Crops Estimates & Agricultural Inputs

KHARIF SEASON 2020



SINDH BUREAU OF STATISTICS

Planning & Development Department

Government of Sindh

Karachi 75600



Preface

Since Pakistan has two crops' seasons Rabi & Kharif. The first sowing season, which starts from April and consist of mainly crops i.e., Cotton, Rice, Sugarcane, Maize, Bajra, Jowar, Moong and Mash is known as "Kharif". While the other one is "Rabi", which begins from October to December and is harvested from April to May, this season comprises on mainly crops that are Wheat, Gram, Barley, Masoor and Mustered.

This report "*Sindh Agricultural Statistical Report of Crops Estimates & Agricultural Inputs*" provides the important statistical data on agriculture statistics which covers the data of Area and Production of All Crops in Sindh during Kharif & Rabi including Water Irrigation/Availability of water, Climate (Temperature and Rainfall), Consumption of Fertilizers and Pesticides for curative measures. This report will be very effective and useful for Policy Maker, Researchers, and Agriculturist for better planning to get maximum achievement in the targets.

The data publish in this report has been collected for the various Federal and the Provincial Government sectors, their cooperation and assistance in this regard is acknowledged.

This report is accessible in both printed as well as in electronic format on Sindh Bureau's site www.sindhbos.gov.pk

Comments and recommendations for improving the publication are warmly accepted on info.sindhbos.gov.pk

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1.Irrigation

Overall, 3.81% Irrigation withdrawal is increased during Kharif 2020 with respect to Kharif 2019 and overall irrigation withdrawal in Kharif 2020 is recorded as 28.724 MAF whereas, in Kharif 2019 was recorded 27.671 MAF.

Table1.1 Month Wise Irrigation Water Withdrawal during Kharif 2020

(In MAF)

<i>Months / Barrage</i>	April	May	June	July	August	September	Total
<i>Guddu</i>	0.01	0.45	1.504	1.855	1.102	1.067	5.988
<i>Sukkur</i>	1.558	2.259	2.91	3.374	2.259	1.945	14.305
<i>Kotri</i>	0.837	1.059	2.025	2.424	1.515	0.571	8.431
<i>Sindh (Total)</i>	2.405	3.768	6.439	7.653	4.476	3.583	28.724

Source: Irrigation & Power Department, Agriculture Supply & Price Department Government of Sindh.

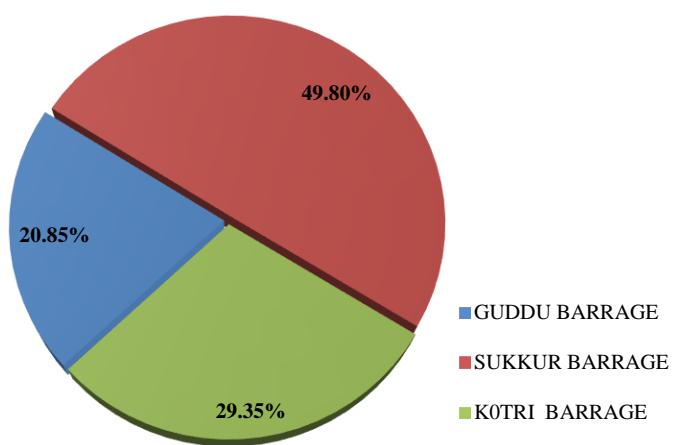


Figure 1 Barrage Wise Irrigation Wtaer Withdrawal in Sindh During Kharif 2020

Table1.2 Irrigation Water Withdrawals of Sindh Barrages during Kharif 2011-2020

(In MAF)

Years	Barrages			Sindh Total
	Guddu	Sukkur	Kotri	
2011	5.482	11.881	5.911	23.274
2012	4.885	13.648	6.848	25.381
2013	5.101	15.455	8.362	28.918
2014	5.852	15.978	9.006	30.836
2015	4.982	15.385	9.691	30.058
2016	5.436	15.385	10.249	31.070
2017	5.913	15.844	9.157	30.914
2018	5.824	13.125	8.322	27.271
2019	5.911	14.546	7.214	27.671
2020	5.988	14.305	8.431	28.724

Source: Irrigation & Power Department, Agriculture Supply & Price Department Government of Sindh.

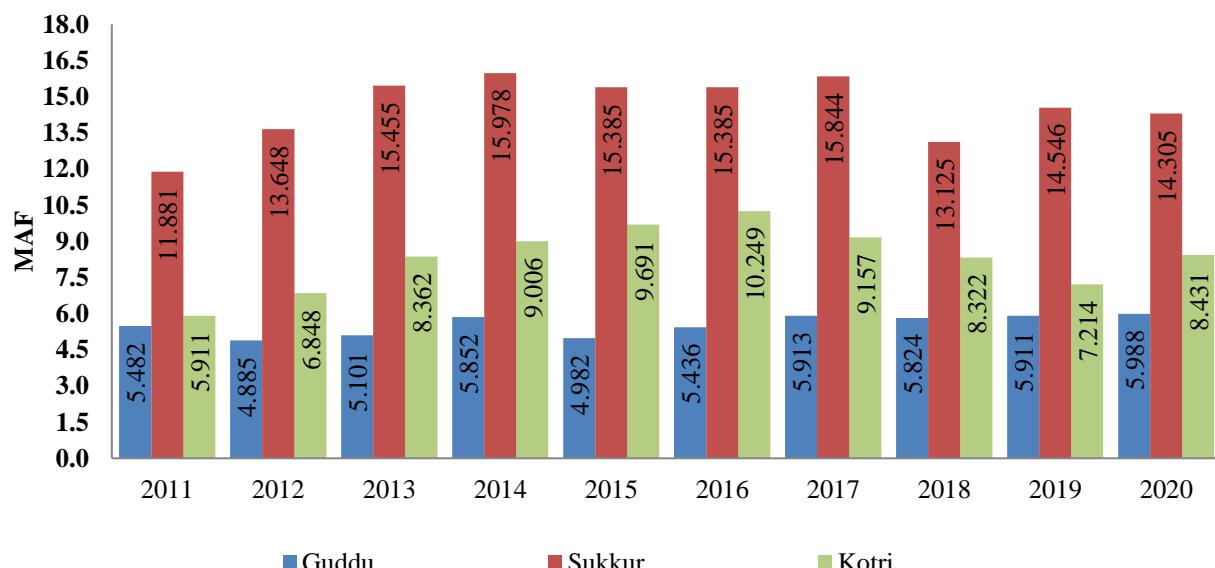


Figure 2 Annual Water Withdrawal Position of Sindh's Barrages

Table1.3 Month Wise Canal Withdrawals of Sindh Barrages for Kharif 2020

(In MAF)

Barrages	Canals	April	May	June	July	August	September	Total
<i>Guddu</i>	Ghotki Feeder	0.006	0.424	0.607	0.61	0.406	0.446	2.499
	Begari Feeder	-	-	0.516	0.863	0.446	0.321	2.146
	Desert pat Feeder	-	0.022	0.361	0.365	0.223	0.262	1.233
	Rainee Canal	0.004	0.004	0.02	0.017	0.027	0.038	0.11
<i>Sukkur</i>	N.W Canal	-	0.102	0.294	0.387	0.259	0.196	1.238
	Rice Canal	-	0.168	0.623	0.894	0.598	0.579	2.862
	Dadu Canal	-	0.173	0.226	0.275	0.188	0.171	1.033
	Nara Canal	0.68	0.748	0.702	0.729	0.464	0.286	3.609
	Khairpur East	0.101	0.121	0.121	0.121	0.083	0.095	0.642
	Rohri Canal	0.708	0.859	0.861	0.888	0.619	0.553	4.488
	Khairpur West	0.069	0.088	0.083	0.08	0.048	0.065	0.433
<i>Kotri</i>	Akram Wah	0.111	0.113	0.141	0.153	0.091	0.085	0.694
	Fulleli Canal	0.343	0.483	0.922	0.128	0.643	0.151	3.67
	Pinyari Canal	0.123	0.218	0.563	0.708	0.448	0.139	2.199
	KalriBaghar	0.26	0.245	0.399	0.435	0.333	0.196	1.868
Grand Total		2.405	3.768	6.439	7.653	4.876	3.583	28.724

Source: Irrigation & Power Department, Agriculture Supply & Price Department Government of Sindh.

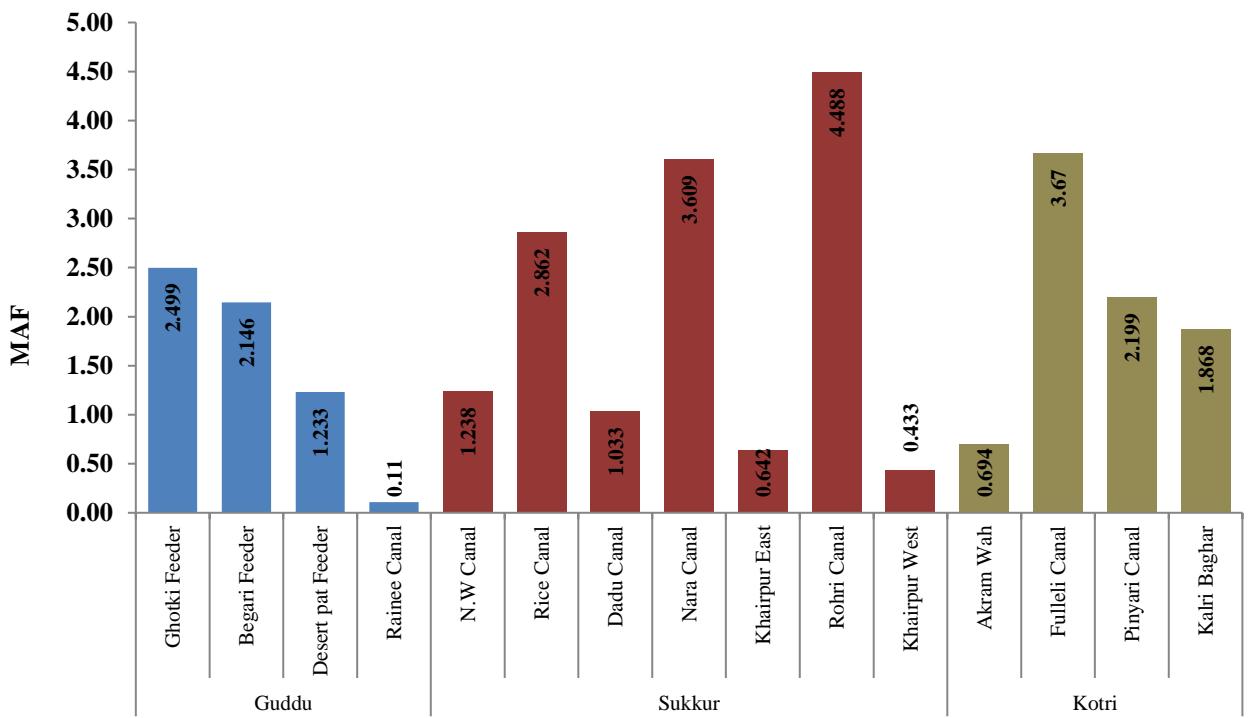


Figure 3 Canal Wise Withdrawal by Barrages in Sindh for Kharif 2020

2. Climate

Table 2.1 Monthly Precipitation Recorded at Weather Stations during Kharif 2020

<i>Months</i>	<i>April</i>	<i>May</i>	<i>June</i>	<i>July</i>	<i>August</i>	<i>Sept:</i>	<i>Total</i>	<i>In M.M</i>
<i>Badin</i>	-	-	-	81.5	231.8	41.8	355.1	
<i>Chhor</i>	-	-	5.7	36.6	344.1	90.3	476.7	
<i>Dadu</i>	2.0	2.0	-	25.0	180.0	-	209.0	
<i>Hyderabad</i>	Trace	3.0	-	22.0	195.3	25.0	245.3	
<i>Jacobabad</i>	4.0	2.0	1.0	7.0	133.0	1.0	148.0	
<i>Karachi (Airport)</i>	-	-	Trace	101.2	366.8	Trace	468.0	
<i>Larkana</i>	13.4	8.0	-	31.0	189.5	8.0	249.9	
<i>Mirpurkhas</i>	-	-	2.0	56.5	348.0	134.0	540.5	
<i>Mithi</i>	-	-	16.0	91.8	431.4	49.1	588.3	
<i>Mohenjodaro</i>	8.0	Trace	-	14.0	281.0	Trace	303.0	
<i>Padidan</i>	Trace	Trace	-	73.0	205.4	2.6	281.0	
<i>Rohri</i>	5.0	5.0	1.0	55.5	56.5	1.0	124.0	
<i>S. Benazirabad</i>	2.2	0.0	-	1.0	150.7	12.9	166.8	
<i>Sukkur (Airport)</i>	10.0	8.0	Trace	11.5	62.1	5.0	96.6	
<i>Thatta</i>	-	-	-	47.1	256.8	25.0	328.9	

Source: Pakistan Meteorological Department, Government of Pakistan.

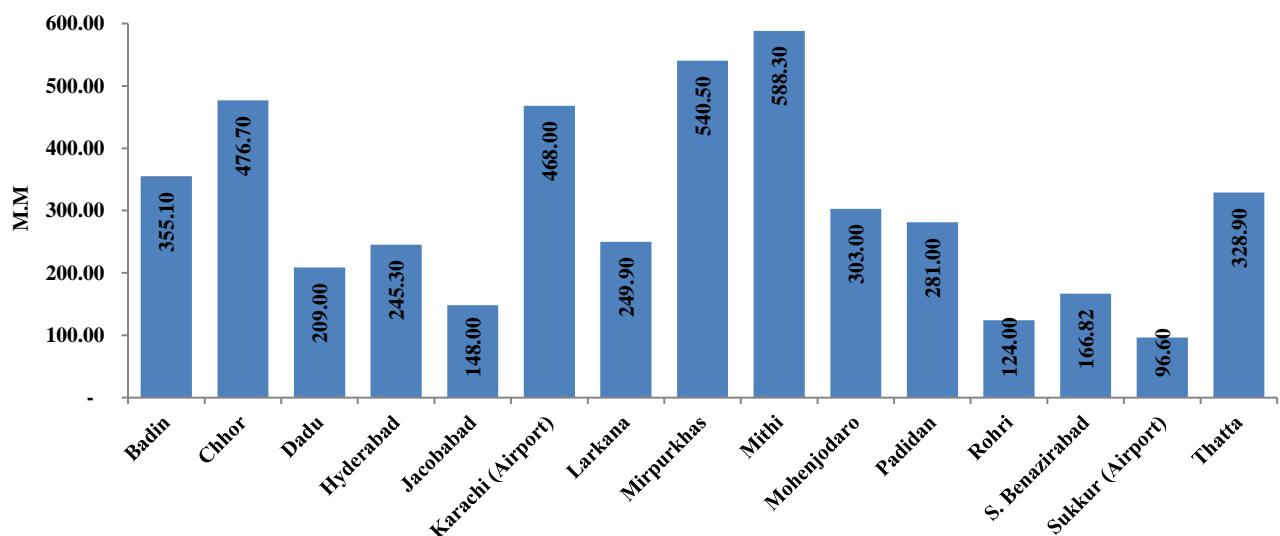


Figure 4 Monthly Precipitation Recorded at Weather Station in Sindh During Kharif 2020

Table 2.2 Average Precipitation Recorded at Weather Stations during Kharif 2011-20

(In M.M)

Station Years	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
<i>Badin</i>	654.4	166.4	127.8	89.3	221	185.2	236.5	73.3	306.5	355.1
<i>Chhor</i>	550.5	221.6	240.1	65.2	284.9	121.7	165.9	113.3	230.6	476.7
<i>Dadu</i>	485	182	58	53	197	114	26	8	54	209
<i>Hyderabad</i>	71.4	113	104.5	24.2	131.2	165.8	119	8.8	231.2	245.3
<i>Jacobabad</i>	304	494	325	17	109	30	14.6	10	55.6	107.5
<i>Karachi (Airport)</i>	280.1	129.1	144.9	13.7	48	164.6	184.1	0.8	324.5	468
<i>Larkana</i>	197.5	239.6	101.6	6	138.3	17.2	46.3	47.6	49	249.9
<i>Mirpurkhas</i>	867.1	84	124.4	15	98.1	152.3	195.1	82	226.8	540.5
<i>Mithi</i>	1,349.90	227	141.6	207.6	466.9	155.4	279.3	61	282.2	588.3
<i>Mohenjodaro</i>	135.4	120	103.5	2	80.5	6.8	79.5	10	21	303
<i>Padidan</i>	430.7	104.8	160.3	5.2	149	50	18.5	3.3	146	281
<i>Rohri</i>	134	215	142.4	9.4	112	80	18.6	28	21.4	124
<i>S. Benazirabad</i>	624.3	182.2	69	59.3	113.3	142	95.1	6.3	279.3	167
<i>Sukkur (Airport)</i>	104.3	239.4	104.6	9	158	86.6	30.1	39	19	96.6
<i>Thatta</i>	287.3	193.6	118	29.7	161.1	131.3	228.5	32.6	500.7	328.9
Average	431.73	194.12	137.72	40.38	164.56	106.86	115.81	34.94	183.19	302.72

Source: Pakistan Meteorological Department, Government of Pakistan.

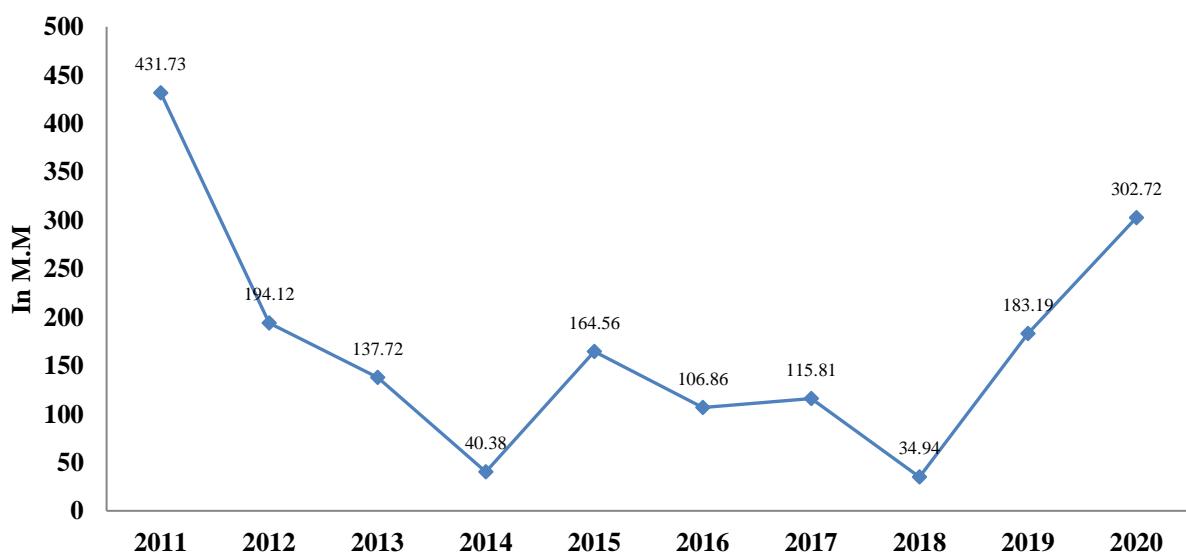


Figure 5 Average Amount of Precipitation in Sindh During Kharif 2011-2020

The figures show overall 65.2% rainfall is increased during Kharif 2020 with respect to Kharif 2019 and average precipitation in Sindh during Kharif 2020 is recorded as 302.72 mm whereas, in last season was recorded 183.19 mm. while the highest figure of average rainfall was recorded in 2011 that is 431.73mm in Sindh.

Table 2.3 Monthly Maximum & Minimum Temperature Recorded at Weather Stations in Sindh During Kharif 2020

(In Centigrade)

Stations \ Month	Temperature Data (In Centigrade) - April to September												Average	
	April		May		June		July		August		September		Max	Min
	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min		
Badin	37.9	22.8	39.6	25.8	39.0	28.1	37.2	27.5	34.9	27.0	33.9	25.9	37.1	26.2
Chhor	41.2	23.2	43.0	26.4	41.6	28.6	40.2	28.5	37.2	27.6	36.0	26.9	39.9	26.9
Dadu	38.9	22.8	44.8	27.3	45.6	29.9	43.4	30.1	39.8	29.5	38.9	26.9	41.9	27.8
Hyderabad	39.3	24.0	41.9	28.0	40.1	30.3	38.9	30.3	36.7	30.2	36.1	28.3	38.8	28.5
Jacobabad	36.8	24.2	42.8	26.6	44.3	28.6	40.9	29.2	37.6	28.3	36.6	26.6	39.8	27.3
Karachi (Airport)	36.2	24.7	36.6	27.7	37.3	29.7	36.7	29.4	34.6	28.1	35.0	27.3	36.1	27.8
Larkana	37.9	23.9	43.6	28.1	43.5	29.5	41.7	29.0	39.1	28.9	36.9	27.5	40.5	27.8
Mirpurkhas	38.9	21.9	41.5	25.0	39.0	25.6	38.5	25.9	36.0	24.8	35.5	24.2	38.2	24.6
Mithi	41.2	22.7	43.0	26.0	41.5	28.1	39.2	27.5	36.1	26.5	36.5	25.8	39.6	26.1
Mohenjodaro	38.4	23.2	43.7	26.7	45.6	29.2	42.8	29.3	39.4	29.0	37.6	27.3	41.3	27.5
Padidan	38.9	23.7	43.8	27.1	42.4	27.9	40.4	28.5	38.1	28.3	37.9	26.3	40.3	27.0
Rohri	37.8	23.8	43.1	28.0	43.5	30.2	41.8	30.3	39.8	30.0	38.2	28.6	40.7	28.5
S. Benazirabad	40.8	23.1	45.1	26.4	44.1	28.5	42.5	28.8	39.6	27.7	38.9	26.3	41.8	26.8
Sukkur (Airport)	37.7	22.4	42.8	27.0	42.9	29.3	41.6	29.7	39.7	29.6	38.9	27.6	40.6	27.6
Thatta	37.2	23.8	37.1	26.6	37.6	28.8	37.3	28.4	35.2	28.2	34.8	26.9	36.5	27.1

Source: Pakistan Meteorological Department, Government of Pakistan

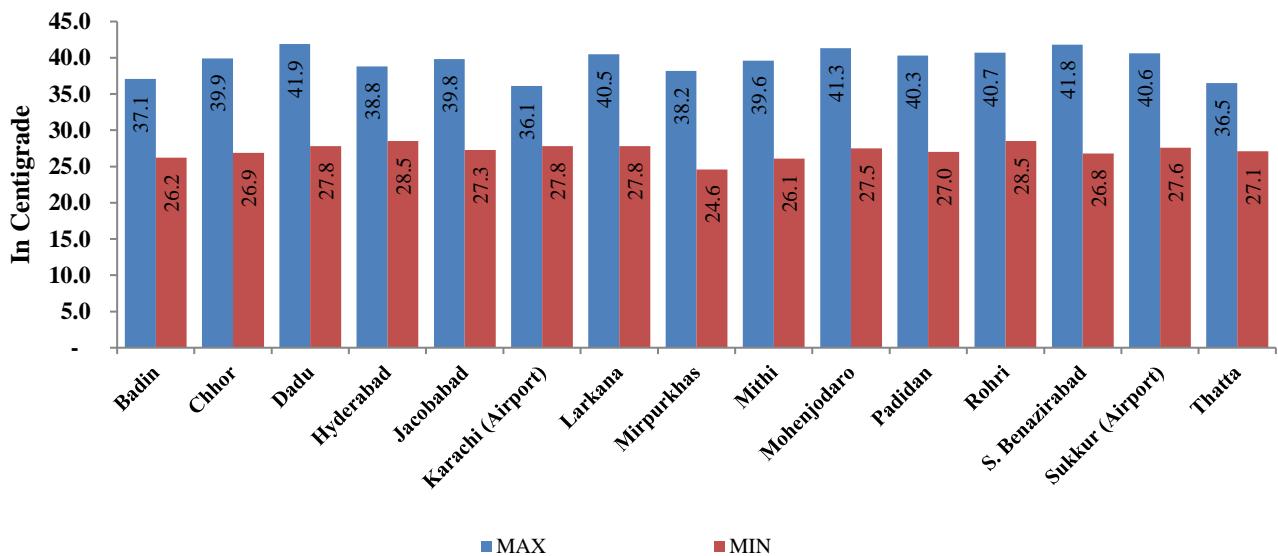


Figure 6 Mean Monthly Maximum and Minimum Temperature Recorded at Weather Stations in Sindh During Kharif 2020

Table 2.4 Average Maximum Temperature Recorded at Weather Stations in Sindh During Kharif 2011-2020

(In Centigrade)

Years	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Stations	Max									
Badin	35.98	36.58	36.55	37.37	36.87	36.38	36.57	37.22	37.45	37.08
Chhor	37.68	38.33	38.48	39.15	38.42	38.22	38.73	39.62	40.07	39.87
Dadu	41.08	41.33	41.40	42.25	41.35	42.38	43.12	43.10	42.18	41.90
Hyderabad	37.43	38.23	38.00	38.42	38.18	38.03	38.22	38.78	38.68	38.83
Jacobabad	39.95	39.75	39.20	39.77	39.13	40.33	39.58	40.43	39.90	39.83
Karachi (Airport)	34.23	34.05	34.08	34.83	35.10	34.33	34.72	34.77	35.25	36.07
Larkana	37.83	40.47	39.95	40.72	40.30	41.33	41.80	41.35	41.10	40.45
Mirpurkhas	36.48	35.88	36.72	37.42	37.10	37.80	37.72	37.78	38.53	38.23
Mithi	37.40	37.63	38.10	38.52	38.43	38.30	38.38	39.35	39.55	39.58
Mohenjodaro	40.42	40.57	39.88	40.62	40.22	41.25	41.17	41.58	41.12	41.25
Padidan	39.42	39.75	39.27	40.12	39.93	40.90	41.12	41.18	40.63	40.25
Rohri	40.12	40.20	39.90	40.73	39.77	41.28	41.45	41.70	41.22	40.70
S. Benazirabad	40.20	41.08	40.95	41.50	41.30	41.90	41.85	42.32	41.53	41.83
Sukkur (Airport)	39.88	40.58	40.78	41.40	40.82	41.52	42.15	41.98	41.47	40.60
Thatta	34.58	34.48	34.85	35.42	35.35	34.58	35.28	35.47	35.78	36.53
Mean	38.18	38.59	38.54	39.22	38.82	39.24	39.46	39.78	39.63	39.53

Source: Pakistan Meteorological Department, Government of Pakistan.

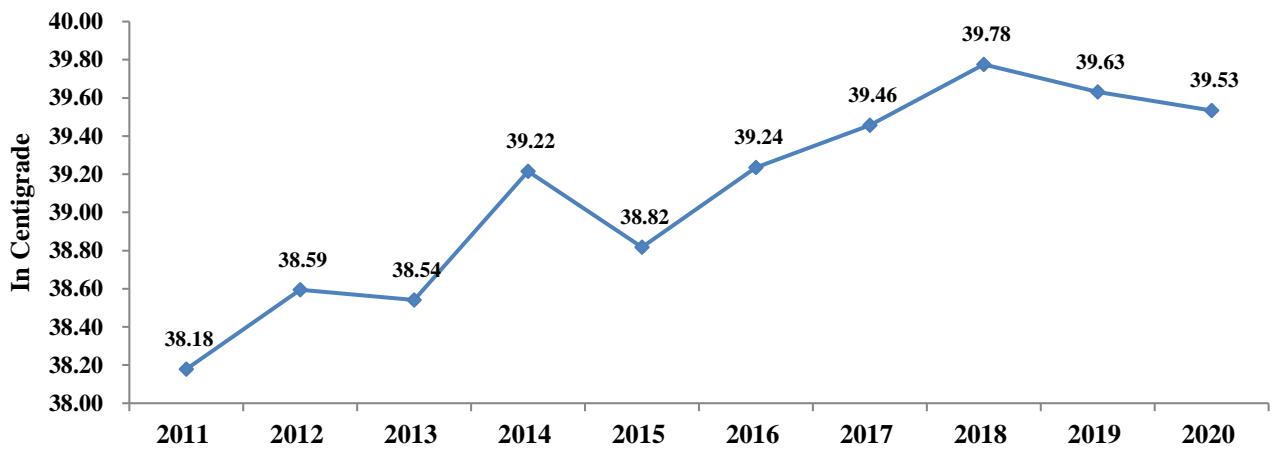


Figure 7 Average Maximum Temperature in Sindh During Kharif for the Years 2011-2020

The above figure shows that average maximum temperature is decreased in 2020 with respect to last years in Sindh while the overall figures show an increasing trend in temperature in Sindh

Table 2.5 Average Minimum Temperature Recorded at Weather Stations in Sindh During Kharif 2011-2020

(In Centigrade)

Years	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
<i>Stations</i>	Min									
<i>Badin</i>	26.02	26.12	25.62	26.22	26.72	26.12	26.13	25.47	25.95	26.18
<i>Chhor</i>	24.77	25.48	25.30	25.67	25.55	25.22	26.15	25.72	26.37	26.87
<i>Dadu</i>	25.33	26.10	26.65	25.88	26.12	26.75	25.80	26.20	25.54	27.75
<i>Hyderabad</i>	27.20	26.68	27.42	27.33	27.55	27.93	27.78	27.87	28.23	28.52
<i>Jacobabad</i>	25.65	25.33	25.40	25.75	25.93	25.20	25.53	25.10	25.18	27.25
<i>Karachi (Airport)</i>	26.62	26.82	26.78	27.13	27.47	27.00	27.05	26.95	26.93	27.82
<i>Larkana</i>	28.60	26.25	26.52	26.73	27.95	27.12	27.63	26.98	27.67	27.82
<i>Mirpurkhas</i>	22.67	19.25	23.57	22.35	22.92	22.52	23.45	22.92	23.58	24.57
<i>Mithi</i>	25.07	25.28	25.22	24.88	24.67	24.08	25.22	25.72	25.97	26.10
<i>Mohenjodaro</i>	25.68	25.02	24.65	24.28	25.90	25.82	26.35	25.57	26.23	27.45
<i>Padidan</i>	25.60	26.02	25.87	26.00	26.20	26.37	26.27	25.82	25.77	26.97
<i>Rohri</i>	27.97	27.42	27.98	28.05	28.10	-	28.38	26.75	22.00	28.48
<i>S. Benazirabad</i>	25.12	25.77	26.03	25.88	25.78	25.58	25.90	25.93	26.30	26.80
<i>Sukkur (Airport)</i>	26.40	26.38	26.47	26.25	26.73	27.08	27.32	26.63	27.57	27.60
<i>Thatta</i>	25.27	25.58	25.23	24.83	24.95	24.37	25.70	25.30	26.27	27.12
Mean	25.86	25.57	25.91	25.82	26.17	25.80	26.31	25.93	25.97	27.15

Source: Pakistan Meteorological Department, Government of Pakistan.

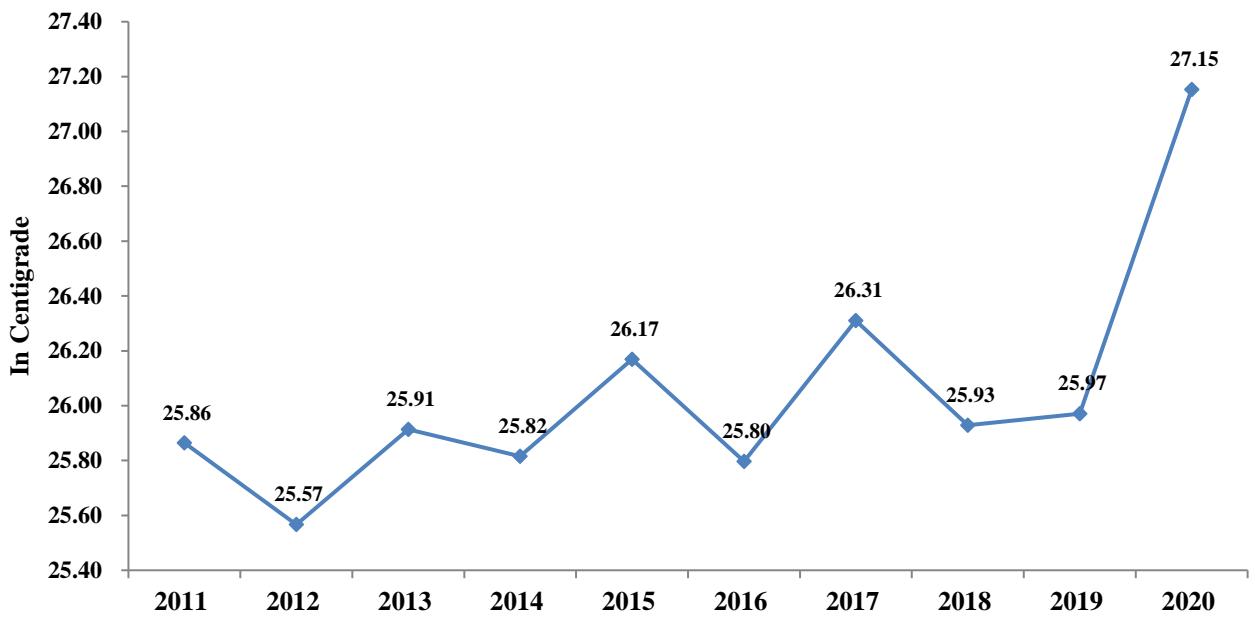


Figure 8 Average Minimum Temperature in Sindh During Kharif 2011-2020

The above figure shows that average minimum temperature is increased by 1.18 degree centigrade in 2020 with respect to last years in Sindh.

3.Fertilizer

Table 3.1 Off-Take (Use) of Fertilizer (Nutrient Wise) In Sindh During Kharif 2020

(000 Nutrient Tonnes)

Months	April	May	June	July	August	September	Total
<i>Nitrogen(N)</i>	41.496	34.358	167.607	81.725	69.904	43.009	438.099
<i>Phosphate (P)</i>	26.241	10.561	17.733	37.871	35.116	26.064	153.586
<i>Potash (K)</i>	0.69	0.299	0.564	0.496	0.512	1.468	4.029
Total	68.427	45.218	185.904	120.092	105.532	70.541	595.714

Source: NFDC, Ministry of National Food Security and Research, Government of Pakistan.

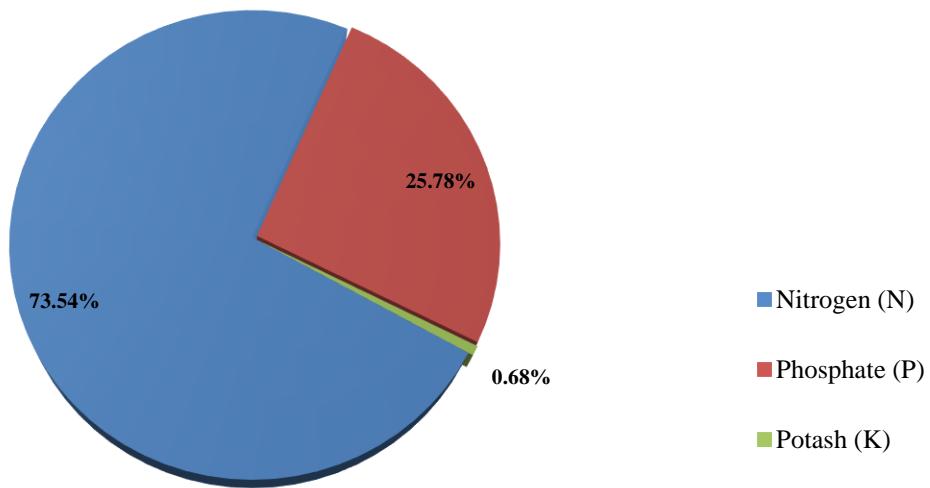


Figure 9 Off-Take(Use) of Fertilizer Nutrient Wise in Sindh During Kharif 2020

Overall, off-take / consumption of chemical fertilizers during Kharif 2020 is 595714 nutrient tons consumption of Nitrogen “N” is 73.54%, Phosphate “P” is 25.78% and Potash “K” is 0.68%.

Table 3.2 Annual Off-Takes (Use) Of Fertilizer (Nutrient Wise) In Sindh During Kharif 2011-2020

(000 Nutrient Tonnes)

Years	Nitrogen (N)	Phosphate (P)	Potash (K)	Total
2011	361.797	59.367	1.959	423.123
2012	263.019	55.531	1.913	320.463
2013	365.727	63.955	1.622	431.304
2014	360.759	62.73	2.668	426.157
2015	352.977	60.168	2.239	415.384
2016	422.479	99.042	1.746	523.267
2017	488.801	122.467	4.226	615.494
2018	439.346	100.619	3.827	543.792
2019	407.501	118.464	2.812	528.777
2020	438.099	153.586	4.029	595.714

Source: NFDC, Ministry of National Food Security and Research, Government of Pakistan.

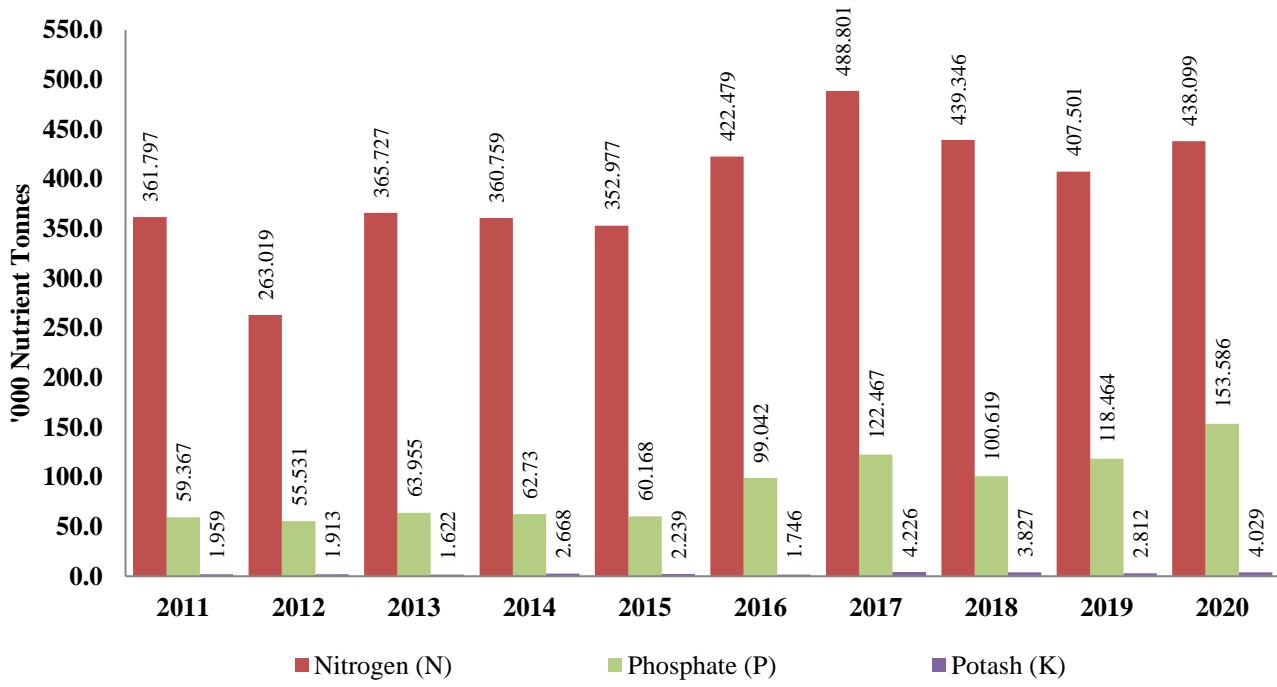


Figure 10 Annual Off-Take (Use) of Fertilizer(Nutrient wise)in Sindh During Kharif 2011-2020

During Kharif 2020 over all off-take of fertilizers is increased by 12.66% against the last Year 2019. Consumption of fertilizer if 595,714nutrient tons, whereas in Kharif 2019 was 528,777 nutrient tons

Table 3.3 Month-Wise Prices of Different Fertilizer during Kharif 2020

(Rs. Per 50 Kg bag)

Months	April	May	June	July	August	September	Average
DAP	4,100.50	4,150.00	4,170.00	4,200.00	4,270.00	4,275.00	4,194.25
UREA	1,610.00	1,680.00	1,700.00	1,710.00	1,740.00	1,750.00	1,698.33
SOP	4,600.00	4,650.50	4,650.75	4,700.00	4,800.25	4,850.00	4,708.58

Source: NFDC, Ministry of National Food Security and Research, Government of Pakistan.

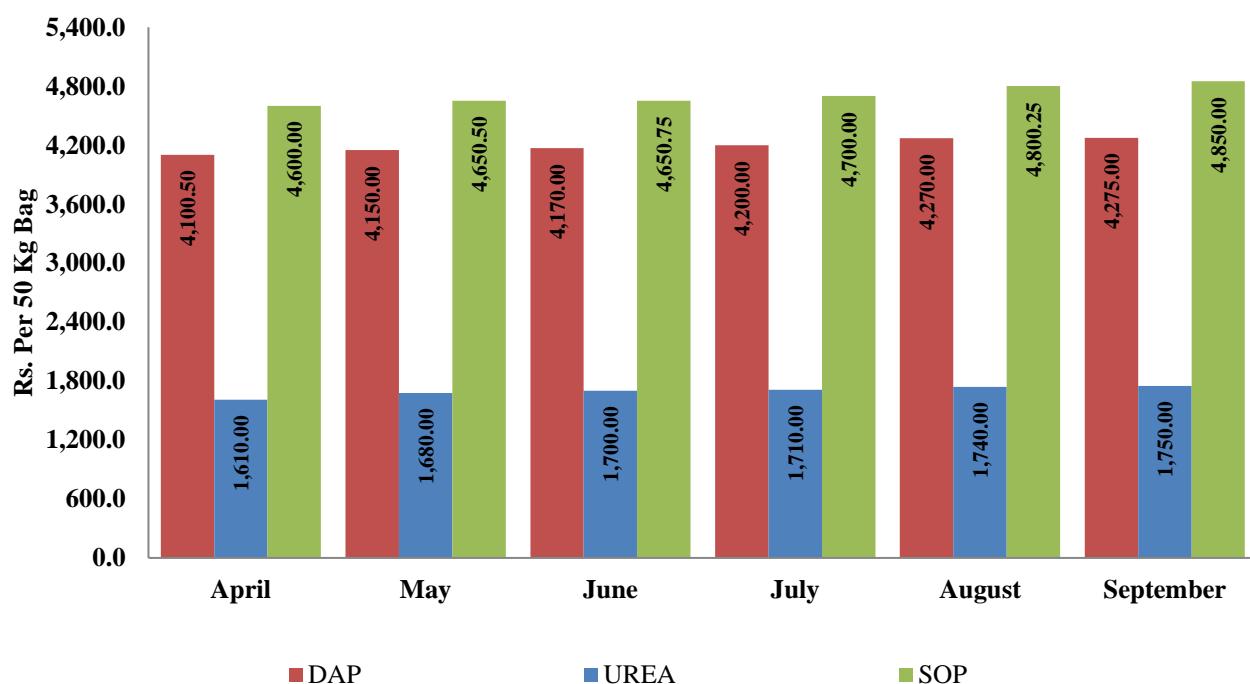


Figure 11 Month wise Fertilizer Price in Sindh During Kharif 2020

The average price of fertilizer in Kharif 2020 is Rs. 4194.25/-, Rs. 1698.33/- & Rs. 4,708.58/- of DAP, UREA & SOP respectively of per 50Kg Bag.

Table 3.4 Average Price of Fertilizer by Types in Sindh during Kharif 2011-2020

(Rs. Per 50 Kg bag)

Years	DAP	UREA	SOP
2011	3,993.83	1,390.2	3,773.33
2012	3,799.17	1,724.0	4,028.00
2013	3,798.50	1,743.0	4,149.83
2014	3,463.67	1,827.2	4,191.33
2015	3,618.83	1,876.3	5,122.83
2016	2,711.97	1,596.5	4,831.25
2017	2,511.88	1,317.9	4,097.92
2018	3,200.88	1,510.7	3,839.58
2019	3,680.96	1,766.8	4,419.04
2020	4,194.25	1,702.0	4,690.25

Source: NFDC, Ministry of National Food Security and Research, Government of Pakistan.

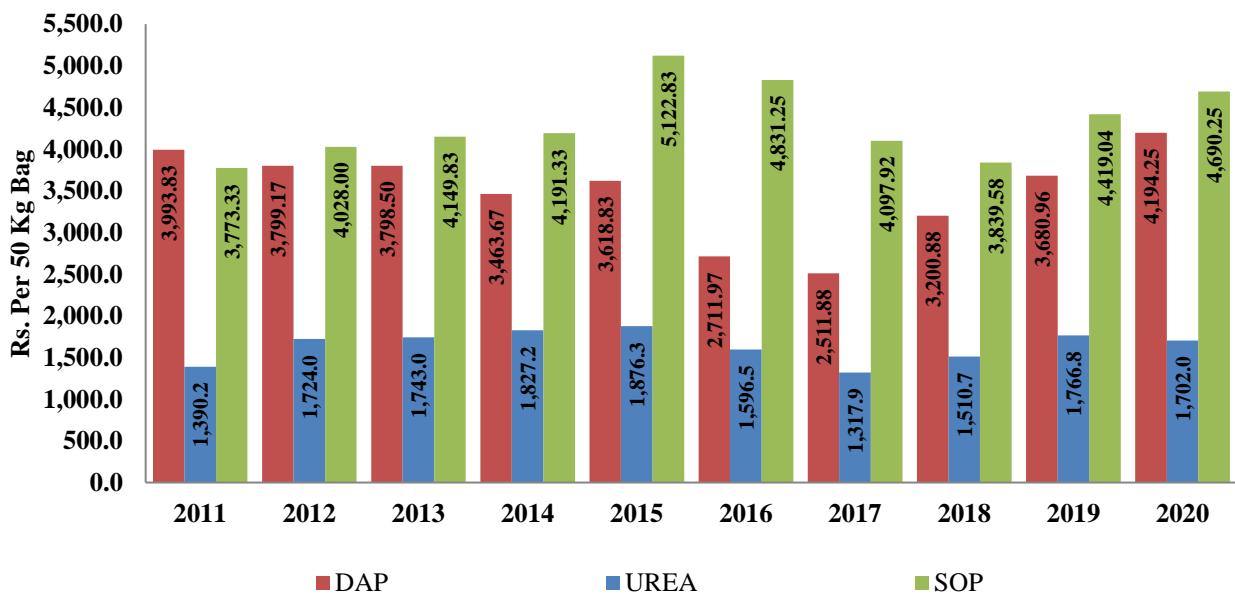


Figure 12 Average Price of Fertilizer by Types in Sindh During Kharif 2011-2020

During Kharif 2020 the average price of DAP and SOP is increased by Rs.513.29/-&Rs. 271.21/- per 50Kg bag respectively, while the decrease in the price of UREA is observed that is Rs. 64.80/- per 50Kg bag against the last Kharif season 2019.

4.Pesticide

Table 4.1 Sale of Pesticides and Area Covered/Sprayed During Kharif 2011-2020

Year	Quantity Of Pesticides	Area in Hectares
		Quantity In Kg or Ltr
2011	3,565,624	2,384,298
2012	3,575,746	2,645,008
2013	4,298,772	3,227,534
2014	4,323,651	3,290,701
2015	4,325,758	3,300,680
2016	4,343,727	3,369,396
2017	4,350,248	3,393,178
2018	4,219,182	3,242,437
2019	5,771,917	4,490,421
2020	5,292,038	3,998,591

Source: Crop life Pakistan (Private Sector) Karachi/ CRSC, Agriculture Supply & Price Department, Government of Sindh.

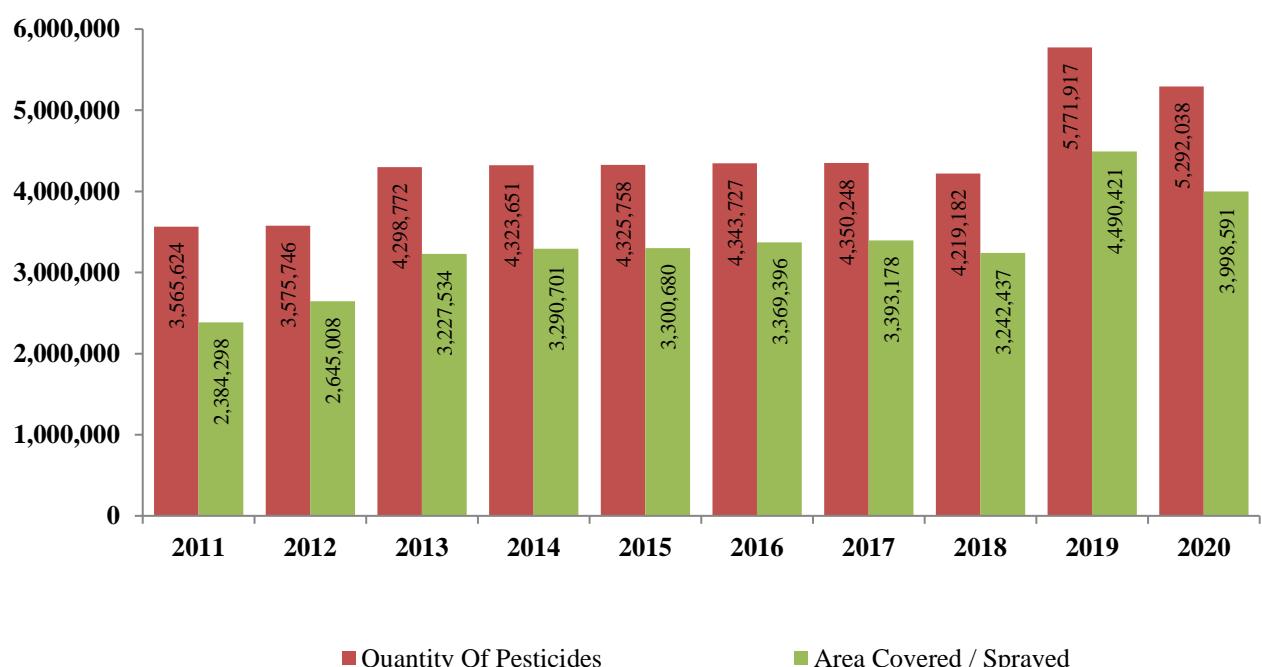


Figure 13 Sales of Pesticides and Area Covered/Sprayed during Kharif 2011-2020

5. Certified Seed

**Table 5.1 Requirement and Availability of Certified Seed of Major Crops in Sindh
During Kharif 2011-2020**

The Federal Seed Certification and Registration Department certified Cotton & Rice seeds for the Kharif seasons 2011-2020 against the requirement of certified seeds as per target area for cultivation.

Year	Target Area for Cotton cultivation	Qty. of Cotton Seed		Target Area for Rice cultivation	Qty. of Rice Seed	
		Requirement	Availability		Requirement	Availability
2011	650,000	9,750	1,511.38	642,000	5,136	4,590.45
2012	650,000	9,750	1,120.30	642,000	5,136	7,088.20
2013	650,000	9,750	2,157.44	645,000	6,450	13,085.56
2014	650,000	9,750	1,178.27	700,000	7,000	9,747.19
2015	650,000	9,750	3,398.80	781,000	7,810	5,512.86
2016	660,000	9,900	4,039.26	750,000	7,500	6,847.85
2017	650,000	9,750	4,704.57	750,000	7,500	7,051.33
2018	620,000	9,300	7,369.38	770,000	7,700	6,583.41
2019	640,000	9,600	6,897.80	770,000	7,700	6,153.26
2020	640,000	9,600	2,999.83	770,000	7,700	6,642.90

Source: Agriculture Supply & Price Department, Government of Sindh

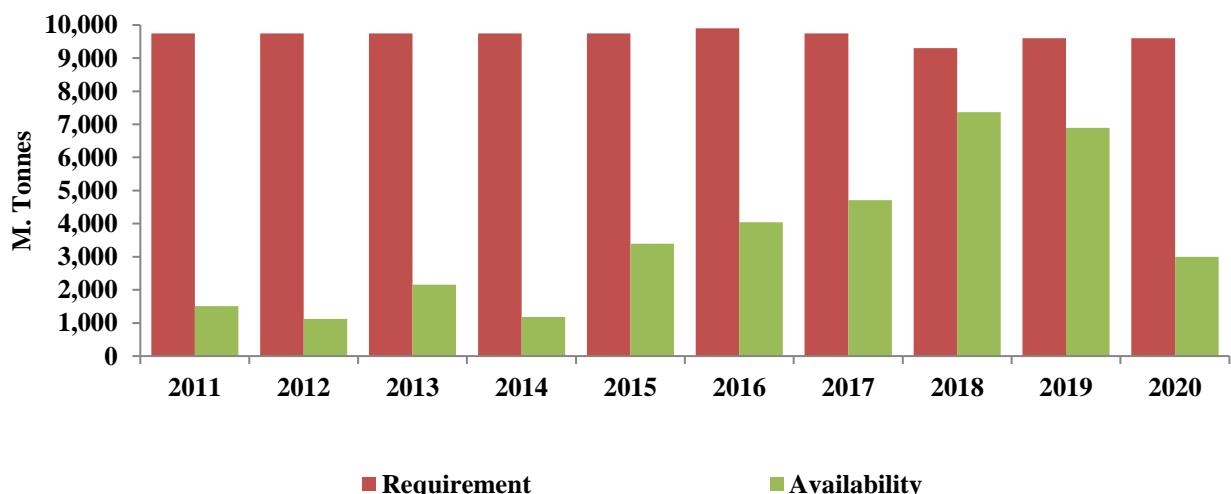


Figure 14 Cotton Seeds Requirement and Availability



Figure 15 Rice seed Requirement and Availability

6. Major Crops

Table 6.1 Area and Production of Major Crops in Sindh During Kharif 2011-2020

Crops	Cotton		Rice		Sugarcane	
Year	Area (In Hectares)	Production (In Bales)	Area (In Hectares)	Production (In M. Tons)	Area (In Hectares)	Production (In M. Tons)
2011	259,199	2,356,837	635,819	2,260,088	189,698	10,788,317
2012	530,099	3,400,394	511,091	1,843,881	253,694	15,966,224
2013	567,980	3,523,414	745,539	2,617,338	297,558	18,362,515
2014	596,208	3,572,544	781,679	2,652,583	316,749	16,613,835
2015	621,239	3,475,600	719,812	2,572,782	312,815	17,984,260
2016	636,636	3,596,877	750,529	2,661,594	320,501	20,208,895
2017	611,689	3,775,764	828,292	2,850,524	333,262	20,611,878
2018	448,189	2,938,400	690,224	2,571,050	279,472	16,691,323
2019	598,710	2,745,603	775,862	2,576,459	286,090	17,233,832
2020	474,818	1,861,785	708,983	2,416,068	279,694	18,335,533

Source: Agriculture Supply & Price Department, Government of Sindh.

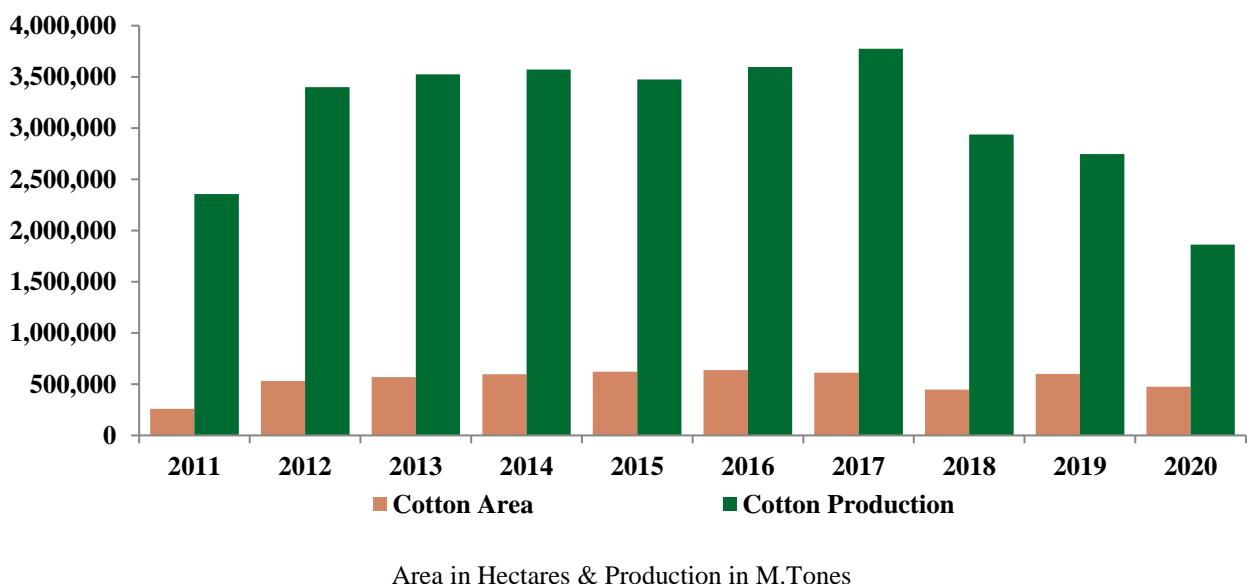


Figure 16 Area and Production of Cotton During Kharif 2011-2020

In Kharif 2020 the area and production of Cotton are deceased by 20.69% and 32.19% respectively over the last year. The area is assessed to 474,818 hectares and production in bales is 861,785 in Kharif 2020 whereas in Kharif 2019 area was reported 598,710 hectares and production was 2,745,603bales.

Note: 1 Bales = 170.09Kg

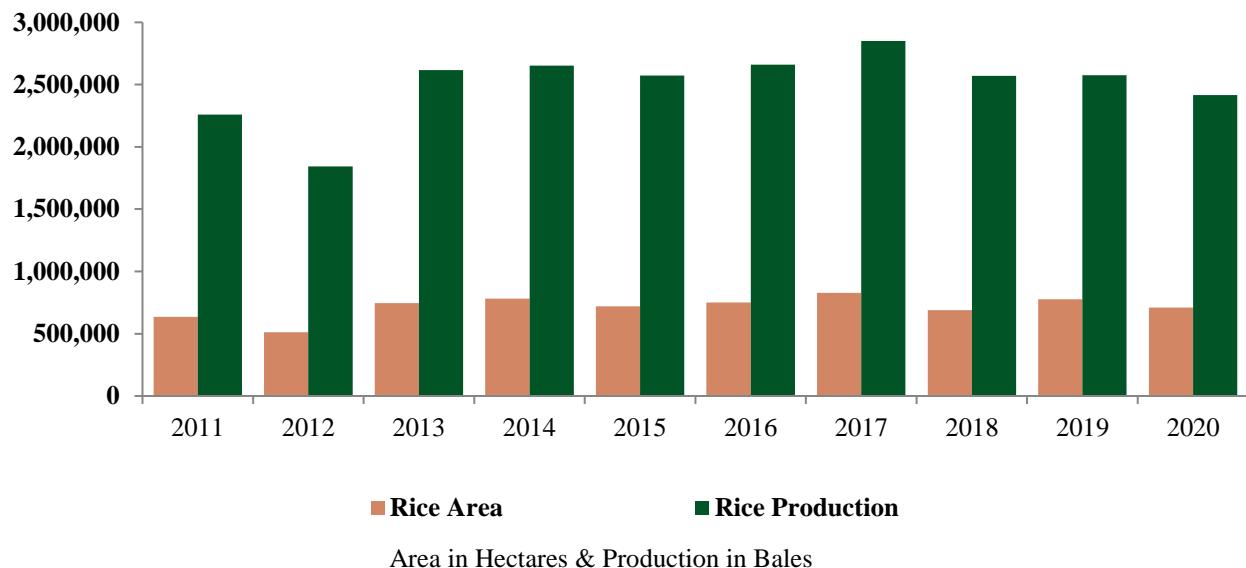


Figure 17 Area and Production of Rice During Kharif 2011-2020

In Kharif 2020 the area and production of Rice are deceased by 8.62% and 6.23% respectively over the last year. The area is assessed to 708,983 hectares and production in tons is 2,416,068 in Kharif 2020 whereas in Kharif 2019 area was reported 775,862 hectares and production was 2,576,459 tons.

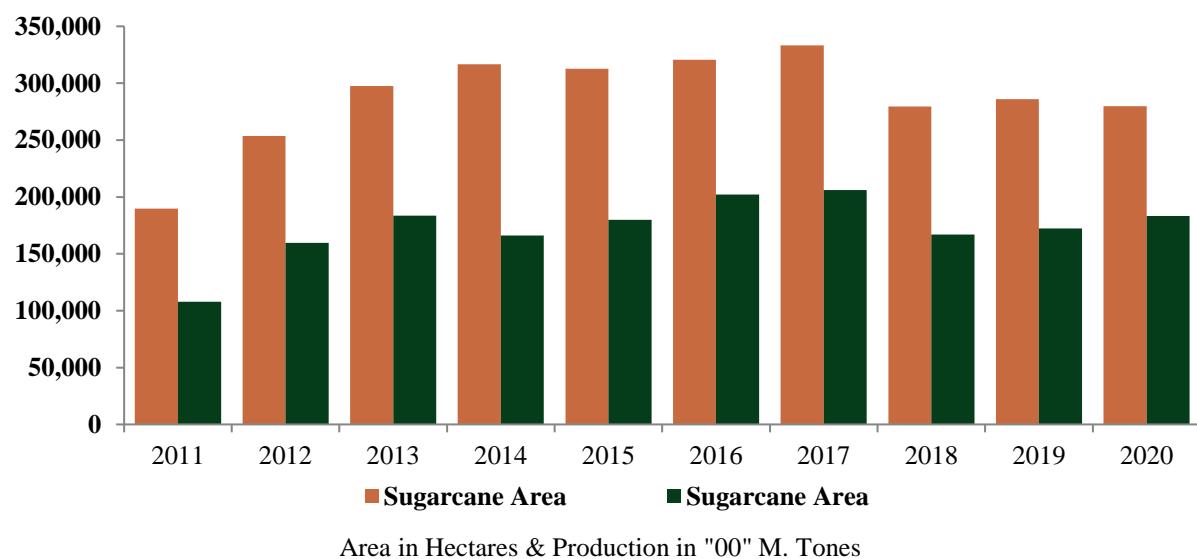


Figure 18 Area and Production of Sugarcane During Kharif 2011-2020

In Kharif 2020 the area of Sugarcane is deceased by 2.24% while the production is increased by 6.39% over the last year. The area is assessed to 708,983 hectares and production in tons is 2,416,068 in Kharif 2020 whereas in Kharif 2019 area was reported 775,862 hectares and production was 2,576,459 tons.

Table 6.2 Area and Production of Major Crops in Sindh District Wise during Kharif 2020

Crops <i>District</i>	Cotton		Rice		Sugarcane	
	Area (In Hectares)	Production (In Bales)	Area (In Hectares)	Production (In M. Tons)	Area (In Hectares)	Production (In M. Tons)
	6,216	8,429	100,875	387,067	13,095	556,576
<i>Badin</i>	11,205	57,462	46,629	171,569	6,095	277,129
<i>Ghotki</i>	94,173	304,891	-	-	57,886	4,073,839
<i>Hyderabad</i>	4,542	21,116	679	2,349	5,042	299,023
<i>Jacobabad</i>	-	-	103,721	354,570	-	-
<i>Jamshoro</i>	12,201	54,633	-	-	435	18,489
<i>KamberShahdadkot</i>	-	-	90,072	295,506	45	2,402
<i>Karachi</i>	374	1,104	-	-	-	-
<i>Kashmore</i>	-	-	76,598	258,373	159	10,986
<i>Khairpur</i>	82,890	217,744	-	-	22,782	1,598,823
<i>Larkana</i>	136	744	106,000	358,252	689	51,146
<i>Matiari</i>	35,792	121,262	-	-	12,454	861,702
<i>Mirpurkhas</i>	19,722	50,046	-	-	16,525	898,368
<i>NausheroFeroze</i>	23,624	132,776	-	-	22,259	1,463,112
<i>S. Benazirabad</i>	63,585	209,900	-	-	34,250	2,454,420
<i>Sanghar</i>	78,405	487,679	-	-	12,951	819,282
<i>Shikarpur</i>	82	175	111,811	313,092	70	5,120
<i>Sukkur</i>	26,015	157,237	-	-	7,385	408,779
<i>Tando Mohammad Khan</i>	1,003	2,743	12,225	40,980	12,480	851,165
<i>TandoAllahyar</i>	5,564	15,790	-	-	17,789	1,142,918
<i>Tharparkar</i>	269	637	-	-	322	15,914
<i>Thatta</i>	2,499	6,895	60,373	234,310	35,615	2,464,230
<i>Umerkot</i>	6,521	10,522	-	-	1,366	62,110
<i>Sindh</i>	474,818	1,861,785	708,983	2,416,068	279,694	18,335,533

Source: Agriculture Supply & Price Department, Government of Sindh.

Highest Production Major Crops in Districts of Sindh in Kharif 2020

- The highest production of Cotton is 487,679/- bales produced by Sanghar District.
- The highest production of Rice is 387,067/- tons produced by Badin District.
- The highest production of Sugarcane is 4,073,839/- tons produced by Ghotki.

7. Minor Crops

Table 7.1 Area & Production of Jowar, Bajra, Maize and Sesame in Sindh District wise During Kharif 2020

(Area In Hectares)

(Production in M.Tons)

DISTRICTS	Jowar		Bajra		Maize		Sesame	
	Area	Prod:	Area	Prod:	Area	Prod:	Area	Prod:
<i>Badin</i>	300	211	404	236	46	38	-	-
<i>Dadu</i>	260	274	-	-	144	150	2,271	1,086
<i>Ghotki</i>	40	45	10	8	66	66	63	42
<i>Hyderabad</i>	58	56	40	26	39	50	-	-
<i>Jacobabad</i>	37	26	-	-	-	-	-	-
<i>Jamshoro</i>	660	640	446	349	305	302	685	396
<i>KamberShahdadkot</i>	343	312	-	-	-	-	-	-
<i>Karachi</i>	76	73	-	-	111	111	-	-
<i>Kashmore</i>	114	126	-	-	22	20	5	3
<i>Khairpur</i>	3,700	3,694	210	165	241	211	154	70
<i>Larkana</i>	454	453	-	-	-	-	137	67
<i>Matiari</i>	656	558	530	413	747	926	-	-
<i>Mirpurkhas</i>	700	619	525	291	47	29	199	112
<i>NausheroFeroze</i>	306	303	20	12	264	207	4,672	2,124
<i>S. Benazirabad</i>	124	123	67	40	23	23	184	99
<i>Sanghar</i>	645	458	335	198	317	267	96	57
<i>Shikarpur</i>	-	-	-	-	15	15	50	25
<i>Sukkur</i>	1,709	1,563	19	14	181	197	73	44
<i>Tando Mohammad Khan</i>	33	26	-	-	80	84	-	-
<i>TandoAllahyar</i>	65	39	314	193	188	178	61	29
<i>Tharparkar</i>	-	-	79,869	41,052	-	-	4,334	1,722
<i>Thatta</i>	117	99	71	50	1,122	1,225	-	-
<i>Umerkot</i>	208	178	210	111	201	116	-	-
<i>Sindh</i>	10,605	9,876	83,070	43,158	4,159	4,215	12,984	5,876

Source: Agriculture Supply & Price Department, Government of Sindh.

Highest Production of Minor Crops in Districts of Sindh in Kharif 2020

- District Khairpur produced maximum production of Jowar that is 3,694 Tons.
- District Tharparkar produced maximum production of Bajra that is 41,052Tons.
- District Thatta produced maximum production of Maize that is 1,225Tons.
- District Naushero Feroze produced maximum production of Sesame that is 2,124Tons.

Table 7.2 Area and Production of Pulses in Sindh District Wise during Kharif 2020

(Area In Hectares)
(Production in M.Tons)

DISTRICTS	Moong		Mash		Arhar		Other Kharif Pulses	
	Area	Prod:	Area	Prod:	Area	Prod:	Area	Prod:
Badin	182	86	2	1	-	-	-	-
Dadu	-	-	-	-	-	-	-	-
Ghotki	37	19	-	-	-	-	-	-
Hyderabad	18	6	-	-	-	-	-	-
Jacobabad	-	-	-	-	-	-	-	-
Jamshoro	45	16	21	12	32	11	-	-
KamberShahdadkot	-	-	-	-	-	-	-	-
Karachi	-	-	-	-	-	-	-	-
Kashmore	-	-	-	-	-	-	-	-
Khairpur	49	27	-	-	41	18	-	-
Larkana	-	-	-	-	-	-	-	-
Matiari	76	32	-	-	-	-	18	5
Mirpurkhas	-	-	-	-	-	-	-	-
NausheroFeroze	274	131	-	-	-	-	-	-
S. Benazirabad	306	142	-	-	-	-	-	-
Sanghar	303	120	-	-	-	-	-	-
Shikarpur	-	-	-	-	-	-	-	-
Sukkur	22	11	-	-	-	-	-	-
Tando Mohammad Khan	-	-	-	-	-	-	-	-
TandoAllahyar	159	75	-	-	6	2	-	-
Tharparkar	5,917	2,339	-	-	-	-	20,052	9,018
Thatta	-	-	-	-	-	-	-	-
Umerkot	-	-	-	-	-	-	-	-
Sindh	7,388	3,004	23	13	79	31	20,070	9,023

Source: Agriculture Supply & Price Department, Government of Sindh.

Table 7.3 Area and Production of Vegetables in Sindh District Wise during Kharif 2020

DISTRICTS	Lady Finger		Tinda		Brinjal		Bitter Ground		Other Vegetables	
	Area	Prod:	Area	Prod:	Area	Prod:	Area	Prod:	Area	Prod:
<i>Badin</i>	924	2,923	462	2,534	210	1,159	45	156	468	1,723
<i>Dadu</i>	190	883	-	-	30	178	10	38	5	22
<i>Ghotki</i>	146	736	28	199	58	396	49	213	140	472
<i>Hyderabad</i>	85	309	91	602	28	162	14	58	36	177
<i>Jacobabad</i>	116	459	71	470	-	-	-	-	-	-
<i>Jamshoro</i>	185	768	149	898	31	178	10	40	161	624
<i>KamberShahdadkot</i>	267	937	-	-	-	-	-	-	-	-
<i>Karachi</i>	51	192	47	265	31	175	51	158	260	951
<i>Kashmore</i>	445	2,199	50	346	-	-	59	223	33	137
<i>Khairpur</i>	155	674	75	519	126	813	91	373	104	417
<i>Larkana</i>	203	903	23	148	103	533	35	128	50	197
<i>Matiari</i>	240	1,091	221	1,398	76	413	95	357	194	621
<i>Mirpurkhas</i>	155	570	45	320	120	642	95	366	715	1,775
<i>NausheroFeroze</i>	288	1,345	66	483	108	699	58	223	188	505
<i>S. Benazirabad</i>	435	1,728	211	1,418	-	-	-	-	-	-
<i>Sanghar</i>	187	655	147	1,090	60	326	76	270	189	401
<i>Shikarpur</i>	83	427	-	-	-	-	30	118	-	-
<i>Sukkur</i>	162	801	15	107	13	88	18	81	30	103
<i>Tando Mohammad Khan</i>	410	1,424	265	1,677	215	1,297	39	135	61	249
<i>TandoAllahyar</i>	741	2,615	123	766	152	879	15	52	70	232
<i>Tharparkar</i>	6	32	-	-	11	65	-	-	-	-
<i>Thatta</i>	157	691	53	339	49	284	29	100	121	382
<i>Umerkot</i>	76	316	102	605	31	191	11	48	18	86
<i>Sindh</i>	5,707	22,678	2,244	14,184	1,452	8,478	830	3,137	2,843	9,074

Source: Agriculture Supply & Price Department, Government of Sindh.

Note: Area & Production of Bottle Gourd, Luffa Gourd, Cucumber, Pumpkin, Long Melon, Purslane, Arum, Beans, Field vetch, Lotus Roots, included in other vegetables.

Table 7.4 Area and Production of Fruits in Sindh District Wise during Kharif 2020

(Area In Hectares)
(Production in M.Tons)

DISTRICTS	Mango		Banana		Dates		Guava	
	Area	Prod:	Area	Prod:	Area	Prod:	Area	Prod:
<i>Badin</i>	1,290	9,005	650	2,284	8	79	49	339
<i>Dadu</i>	99	639	155	560	30	252	300	2,616
<i>Ghotki</i>	231	1,399	253	1,075	132	1,085	12	84
<i>Hyderabad</i>	7,308	54,090	368	1,554	-	-	240	2,323
<i>Jacobabad</i>	-	-	-	-	-	-	-	-
<i>Jamshoro</i>	202	1,435	54	204	-	-	35	299
<i>KamberShahdadkot</i>	-	-	-	-	-	-	-	-
<i>Karachi</i>	12	74	34	165	-	-	68	487
<i>Kashmore</i>	-	-	-	-	-	-	-	-
<i>Khairpur</i>	4,396	27,944	5,550	24,017	33,878	186,653	132	1,212
<i>Larkana</i>	160	1,031	-	-	86	823	3,305	31,770
<i>Matiari</i>	4,110	28,750	3,753	14,467	21	179	143	1,393
<i>Mirpurkhas</i>	13,230	79,600	1,850	4,572	20	191	500	4,816
<i>NausheroFeroze</i>	2,650	18,660	4,013	17,279	168	1,463	404	3,923
<i>S. Benazirabad</i>	3,094	21,973	3,097	13,016	68	572	376	3,608
<i>Sanghar</i>	7,322	52,739	976	3,280	-	-	-	-
<i>Shikarpur</i>	38	238	14	58	31	270	20	160
<i>Sukkur</i>	160	1,097	172	735	5,860	28,249	4	30
<i>Tando Mohammad Khan</i>	780	5,259	1,030	3,639	-	-	40	277
<i>TandoAllahyar</i>	8,695	54,523	1,104	4,039	2	17	128	1,262
<i>Tharparkar</i>	202	842	-	-	-	-	-	-
<i>Thatta</i>	652	3,794	8,571	32,083	9	92	7	55
<i>Umerkot</i>	4,521	23,881	94	236	-	-	57	551
<i>Sindh</i>	59,152	386,973	31,738	123,263	40,313	219,925	5,820	55,205

Source: Agriculture Supply & Price Department, Government of Sindh.

Table 7.5 Area and Production of Fruits in Sindh District Wise during Kharif 2020

(Area In Hectares)
(Production in M.Tons)

DISTRICTS	Water Melon		Musk Melon		Chikoo		Papaya	
	Area	Prod:	Area	Prod:	Area	Prod:	Area	Prod:
Badin	-	-	912	4,196	38	116	50	215
Dadu	260	2,007	110	948	-	-	-	-
Ghotki	54	492	62	586	-	-	-	-
Hyderabad	-	-	-	-	20	66	18	86
Jacobabad	-	-	-	-	-	-	-	-
Jamshoro	66	620	401	2,833	-	-	24	85
KamberShahdadkot	315	2,415	-	-	-	-	-	-
Karachi	20	172	32	289	302	1,045	446	2,096
Kashmore	-	-	-	-	-	-	-	-
Khairpur	77	397	46	444	-	-	-	-
Larkana	157	1,295	56	429	-	-	-	-
Matiari	-	-	-	-	87	306	25	118
Mirpurkhas	-	-	-	-	100	356	55	199
NausheroFeroze	162	1,417	2	14	-	-	-	-
S. Benazirabad	-	-	-	-	-	-	-	-
Sanghar	-	-	-	-	-	-	9	39
Shikarpur	255	1,921	-	-	-	-	-	-
Sukkur	32	-	9	88	-	-	-	-
Tando Mohammad Khan	4	29	2,025	10,985	-	-	-	-
TandoAllahyar	16	103	9	49	213	734	141	617
Tharparkar	-	-	27	164	-	-	-	-
Thatta	51	454	1,097	9,320	316	1,055	119	548
Umerkot	-	-	-	-	3	-	10	34
Sindh	1,469	11,322	4,788	30,345	1,079	3,678	897	4,037

Source: Agriculture Supply & Price Department, Government of Sindh.

Table 7.6 Area and Production of Fruits in Sindh District Wise During Kharif 2020

(Area In Hectares)
(Production in M.Tons)

DISTRICTS	Coconut		Jamons		Phalsa		other Kharif fruits	
	Area	Prod:	Area	Prod:	Area	Prod:	Area	Prod:
<i>Badin</i>	3	10	11	40	12	30	-	-
<i>Dadu</i>	-	-	-	-	10	26	-	-
<i>Ghotki</i>	-	-	-	-	8	24	-	-
<i>Hyderabad</i>	-	-	8	27	-	-	-	-
<i>Jacobabad</i>	-	-	-	-	-	-	-	-
<i>Jamshoro</i>	10	34	-	-	43	110	5	15
<i>KamberShahdadkot</i>	-	-	-	-	-	-	-	-
<i>Karachi</i>	156	554	26	92	8	21	11	35
<i>Kashmore</i>	-	-	-	-	-	-	-	-
<i>Khairpur</i>	-	-	-	-	-	-	74	238
<i>Larkana</i>	-	-	-	-	-	-	-	-
<i>Matiari</i>	-	-	-	-	335	885	-	-
<i>Mirpurkhas</i>	-	-	-	-	160	427	-	-
<i>NausheroFeroze</i>	-	-	-	-	-	-	-	-
<i>S. Benazirabad</i>	-	-	-	-	-	-	-	-
<i>Sanghar</i>	-	-	-	-	-	-	-	-
<i>Shikarpur</i>	-	-	-	-	-	-	-	-
<i>Sukkur</i>	-	-	-	-	8	26	-	-
<i>Tando Mohammad Khan</i>	-	-	66	214	-	-	-	-
<i>TandoAllahyar</i>	-	-	8	26	95	260	-	-
<i>Tharparkar</i>	-	-	-	-	-	-	-	-
<i>Thatta</i>	154	516	-	-	-	-	-	-
<i>Umerkot</i>	-	-	-	-	-	-	-	-
<i>Sindh</i>	323	1,114	119	399	679	1,809	90	288

Source: Agriculture Supply & Price Department, Government of Sindh.

Table 7.7 Area and Production of Condiments in Sindh District Wise during Kharif 2020

(Area In Hectares)
(Production in M.Tons)

DISTRICTS	Kharif Chilies		Ginger		Turmeric		Spearmint	
	Area	Prod:	Area	Prod:	Area	Prod:	Area	Prod:
<i>Badin</i>	2,456	7,586	-	-	-	-	7	4
<i>Dadu</i>	345	1,118	-	-	-	-	-	-
<i>Ghotki</i>	72	203	-	-	-	-	-	-
<i>Hyderabad</i>	225	665	-	-	-	-	12	8
<i>Jacobabad</i>	-	-	-	-	-	-	-	-
<i>Jamshoro</i>	309	941	-	-	-	-	41	28
<i>KamberShahdadkot</i>	-	-	-	-	-	-	-	-
<i>Karachi</i>	104	314	-	-	-	-	-	-
<i>Kashmore</i>	6	21	-	-	-	-	-	-
<i>Khairpur</i>	172	494	-	-	-	-	-	-
<i>Larkana</i>	45	134	-	-	-	-	-	-
<i>Matiari</i>	514	1,544	-	-	-	-	-	-
<i>Mirpurkhas</i>	3,600	12,444	-	-	-	-	-	-
<i>NausheroFeroze</i>	42	126	-	-	-	-	-	-
<i>S. Benazirabad</i>	226	684	4	2	21	21	27	17
<i>Sanghar</i>	204	595	-	-	-	-	-	-
<i>Shikarpur</i>	146	390	-	-	-	-	-	-
<i>Sukkur</i>	52	156	-	-	-	-	-	-
<i>Tando Mohammad Khan</i>	371	1,118	-	-	-	-	-	-
<i>TandoAllahyar</i>	52	158	-	-	-	-	3	2
<i>Tharparkar</i>	907	2,759	-	-	-	-	-	-
<i>Thatta</i>	1,761	5,279	-	-	-	-	57	34
<i>Umerkot</i>	5,117	15,755	-	-	-	-	-	-
<i>Sindh</i>	16,726	52,484	4	2	21	21	147	93

Source: Agriculture Supply & Price Department, Government of Sindh.

Table 7.8 Area & Production of Fodders in Sindh District Wise during Kharif 2020

(Area In Hectares)

(Production in M.Tons)

DISTRICTS	Jowar (Fodder)		Bajra (Fodder)		Maize (Fodder)		Gowar (Fodder)		Other Fodders	
	Area	Prod:	Area	Prod:	Area	Prod:	Area	Prod:	Area	Prod:
<i>Badin</i>	300	4,355	401	4,752	46	635	-	-	-	-
<i>Dadu</i>	240	3,493	-	-	110	1,537	-	-	-	-
<i>Ghotki</i>	2,657	38,751	10	120	83	1,149	77	769	-	-
<i>Hyderabad</i>	65	944	1650	19,490	1360	19,030	68	741	75	792
<i>Jacobabad</i>	-	-	-	-	-	-	-	-	-	-
<i>Jamshoro</i>	633	9,251	368	4,492	184	2,575	-	-	-	-
<i>KamberShahdadkot</i>	-	-	-	-	-	-	-	-	2,139	22,728
<i>Karachi</i>	245	3,540	-	-	396	5,460	-	-	-	-
<i>Kashmore</i>	-	-	-	-	-	-	5	50	-	-
<i>Khairpur</i>	2,250	32,915	131	1,573	1044	14,499	237	2,389	110	1,185
<i>Larkana</i>	-	-	-	-	-	-	-	-	-	-
<i>Matiari</i>	795	11,638	688	8,195	733	10,811	612	6,654	-	-
<i>Mirpurkhas</i>	216	3,157	600	7,075	760	10,567	50	489	-	-
<i>NausheroFeroze</i>	1,220	17,820	251	2,990	1004	13,859	250	2,607	857	9,259
<i>S. Benazirabad</i>	1,329	19,341	286	3,406	48	683	-	-	686	7,533
<i>Sanghar</i>	5425	79,298	337	4,047	2136	29,664	-	-	1,994	21,460
<i>Shikarpur</i>	25	366	-	-	19	263	12	120	-	-
<i>Sukkur</i>	1,718	25,132	16	188	200	2,758	29	287	-	-
<i>Tando Mohammad Khan</i>	141	2,050	693	8,237	179	2,459	51	530	1,057	11,388
<i>TandoAllahyar</i>	621	9,043	3265	38,921	1103	15,154	107	1,166	-	-
<i>Tharparkar</i>	-	-	-	-	-	-	-	-	-	-
<i>Thatta</i>	823	12,040	1729	20,594	1509	20,849	-	-	221	2,395
<i>Umerkot</i>	297	4,312	290	3,425	380	5,315	-	-	-	-
<i>Sindh</i>	19,000	277,446	10,715	127,505	11,294	157,267	1,498	15,802	7,139	76,740

Source: Agriculture Supply & Price Department, Government of Sindh.

Table 7.9 Area & Production of Seeds in Sindh District Wise during Kharif 2020

(Area In Hectares)

(Production in M.Tons)

DISTRICTS	Ground Nut		Castor Seed		Soyabean		Gowar Seed		Sun Flower	
	Area	Prod:	Area	Prod:	Area	Prod:	Area	Prod:	Area	Prod:
Badin	-	-	-	-	-	-	-	-	22,300	22,505
Dadu	-	-	-	-	-	-	79	60	-	-
Ghotki	15	26	-	-	-	-	32	24	-	-
Hyderabad	-	-	-	-	-	-	-	-	30	36
Jacobabad	-	-	-	-	-	-	-	-	928	1,036
Jamshoro	-	-	-	-	-	-	116	78	115	128
KamberShahdadkot	-	-	-	-	-	-	-	-	-	-
Karachi	-	-	-	-	-	-	-	-	9	11
Kashmore	-	-	-	-	-	-	5	3	-	-
Khairpur	143	317	-	-	-	-	198	164	-	-
Larkana	-	-	-	-	-	-	-	-	-	-
Matiari	-	-	-	-	-	-	284	189	181	194
Mirpurkhas	-	-	-	-	-	-	-	-	25	28
NausheroFeroze	-	-	-	-	-	-	339	257	4	5
S. Benazirabad	-	-	-	-	-	-	1,347	1,058	-	-
Sanghar	397	843	-	-	-	-	-	-	-	-
Shikarpur	-	-	-	-	-	-	-	-	54	65
Sukkur	21	41	-	-	-	-	35	23	-	-
Tando Mohammad Khan	-	-	-	-	-	-	-	-	531	620
TandoAllahyar	-	-	-	-	-	-	50	37	-	-
Tharparkar	-	-	1,831	1,202	-	-	101,169	73,100	-	-
Thatta	-	-	-	-	-	-	63	41	14,699	15,328
Umerkot	-	-	-	-	-	-	110	77	980	1,067
Sindh	576	1,227	1,831	1,202	-	-	103,827	75,111	39,856	41,023

Source: Agriculture Supply & Price Department, Government of Sindh.