



GUJARAT COTTON CROP ESTIMATE 2019 - 2020



GUJARAT - COTTON AREA PRODUCTION YIELD


Zone	2018 - 2019			2019-2020		
	Area in lakh hectare	Yield Kg/Ha	Crop in 170 Kgs Bales	Area in lakh hectare	Yield per hectare in kgs	Crop in 170 Kgs Bales
Kutch	0.563	825.00	2,73,221	0.605	1008.21	3,58,804
Saurashtra	19.298	447.88	50,84,224	18.890	703.55	78,17,700
North Gujarat	3.768	575.84	12,76,340	3.538	429.20	8,93,249
Main Line	3.492	749.92	15,40,429	3.651	756.43	16,24,549
Total	27.121	512.38	81,74,214	26.684	681.32	1,06,94,302

Note: Average GOT (Lint outturn) is taken as 34%

Changes from Previous Year

ZONE	Area		Yield		Crop	
	Lakh Hectare	%	Kgs/Ha	%	170 kg Bales	%
Kutch	0.042	7.46%	183.21	22.21%	85,583	31.32%
Saurashtra	-0.408	-2.11%	255.67	57.08%	27,33,476	53.76%
North Gujarat	-0.23	-6.10%	-146.64	-25.47%	-3,83,091	-30.01%
Main Line	0.159	4.55%	6.51	0.87%	84,120	5.46%
Total	-0.437	-1.61%	168.94	32.97%	25,20,088	30.83%

Gujarat cotton crop yield is expected to rise by 32.97% and crop is expected to increase by 30.83%

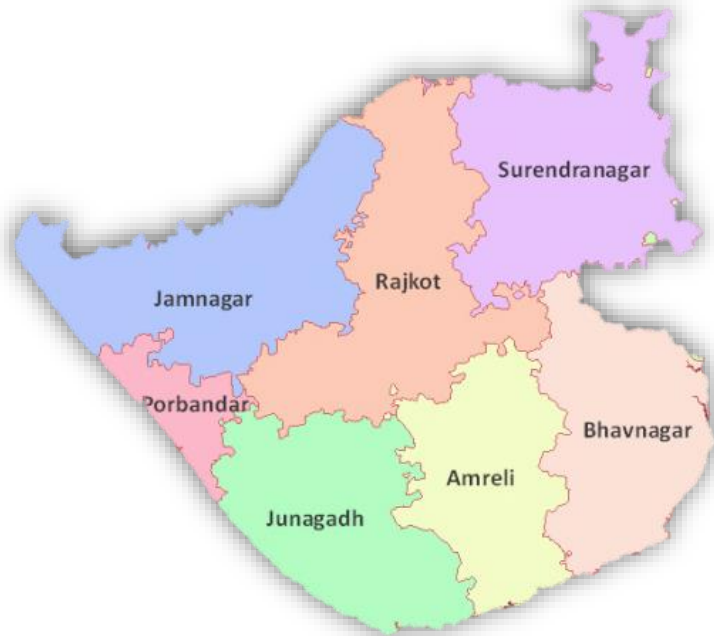
A close-up photograph of a large, white cotton flower in full bloom. The petals are broad and slightly ruffled, with a soft, off-white color. The center of the flower is a vibrant yellow, filled with numerous stamens. The flower is surrounded by lush green leaves, some of which are in sharp focus while others are blurred in the background. The lighting is bright, highlighting the texture of the petals and the vibrant colors of the center and leaves.

Inspite of excess and untimely rains at many places, Gujarat is poised to produce a very large cotton crop

SAURASHTRA

District	Area in Hectare	Yield		Crop in 170 Kgs Bales
		Lint Kg/Ha	Kapas Maund/Bigha	
Surendranagar	3,55,100	546.312	13.00	11,41,149
Rajkot	2,64,400	714.408	17.00	11,11,115
Jamnagar	1,66,500	756.432	18.00	7,40,858
Porbandar	9,400	756.432	18.00	41,826
Junagadh	74,900	756.432	18.00	3,33,275
Amreli	4,02,900	756.432	18.00	17,92,744
Bhavnagar	2,37,800	756.432	18.00	10,58,115
Morbi	1,86,200	630.360	15.00	6,90,430
Botad	1,63,900	798.456	19.00	7,69,806
Gir Somnath	17,100	924.528	22.00	92,997
Devbhumi Dwarka	10,800	714.408	17.00	45,386
TOTAL	18,89,000	703.552	16.74	78,17,700

1 Bigha = 16 Guntha, 1 Hectare= 6.18 Bigha, 1 Maund= 20 Kg



Saurashtra sowing area reduced by 2.11%, estimated yield increase 57.08%, estimated Crop increase by 53.76%.

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NORTH GUJARAT



District	Area in Hectare	Yield		Crop in 170 Kgs Bales
		Lint Kg/Ha	Kapas Maund/Bigha	
Banasakantha	43,800	616.352	22.00	1,58,801
Patan	44,700	560.320	20.00	1,47,331
Mehsana	38,200	504.288	18.00	1,13,316
Sabarkantha	57,700	280.160	10.00	95,090
Gandhinagar	23,600	420.240	15.00	58,339
Aravali	32,400	504.288	18.00	96,111
Ahmedabad	1,13,400	336.192	12.00	2,24,260
TOTAL	3,53,800	429.204	15.32	8,93,249

1 Bigha = 24 Guntha, 1 Hectare= 4.12 Bigha, 1 Maund= 20 Kg

North Gujarat sowing area reduced by 6.10%, estimated reduction in yield 25.47%, estimated production decrease by 30.01%.



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Kadi-382715. Dist. Mahsana. Gujarat, India.

MAINLINE



DISTRICT	Area in Hectare	Yield		Crop in 170 Kgs Bales
		Lint Kg/Ha	Kapas Maund/Bigha	
Surat	4,400	756.432	27.00	19,578
Narmada	46,900	756.432	27.00	2,08,686
Bharuch	96,400	756.432	27.00	4,28,941
Tapi	9,400	756.432	27.00	41,826
Anand	3,000	756.432	27.00	13,349
Kheda	19,100	756.432	27.00	84,987
Panchmahal	11,700	756.432	27.00	52,060
Dahod	1,000	756.432	27.00	4,450
Vadodara	79,700	756.432	27.00	3,54,633
Mahisagar	6,400	756.432	27.00	28,477
Chhotaudaipur	87,100	756.432	27.00	3,87,560
TOTAL	3,65,100	756.432	27.00	16,24,549

1 Bigha = 24 Guntha, 1 Hectare= 4.12 Bigha, 1 Maund= 20 Kg

Mainline sowing area increased by 4.55%, estimated yield increase by 0.87%, estimated crop increase by 5.46%

Intro:

VIVEKANAND GROUP OF INDUSTRIES is principally involved in cotton-processing & trading and has focused on exports through Ambica Cotseeds Limited for competing in the global market. We are one of the biggest suppliers of Indian Raw Cotton bales, Cotton Yarn and Cotton Waste ETC., from different cotton growing areas of Gujarat (Saurashtra).

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KUTCH

ZONE	Area in Hectare	Yield		Crop in 170 Kgs Bales
		Lint Kg/Ha	Kapas Maund/Acre	
Kutch	60,500	1008.209	30.00	3,58,804
TOTAL	60,500	1008.209	30.00	3,58,804

1 Maund = 40 Kg

Kutch sowing area increased by 7.46%, estimated yield increase by 22.21%, estimated crop increase by 31.32%

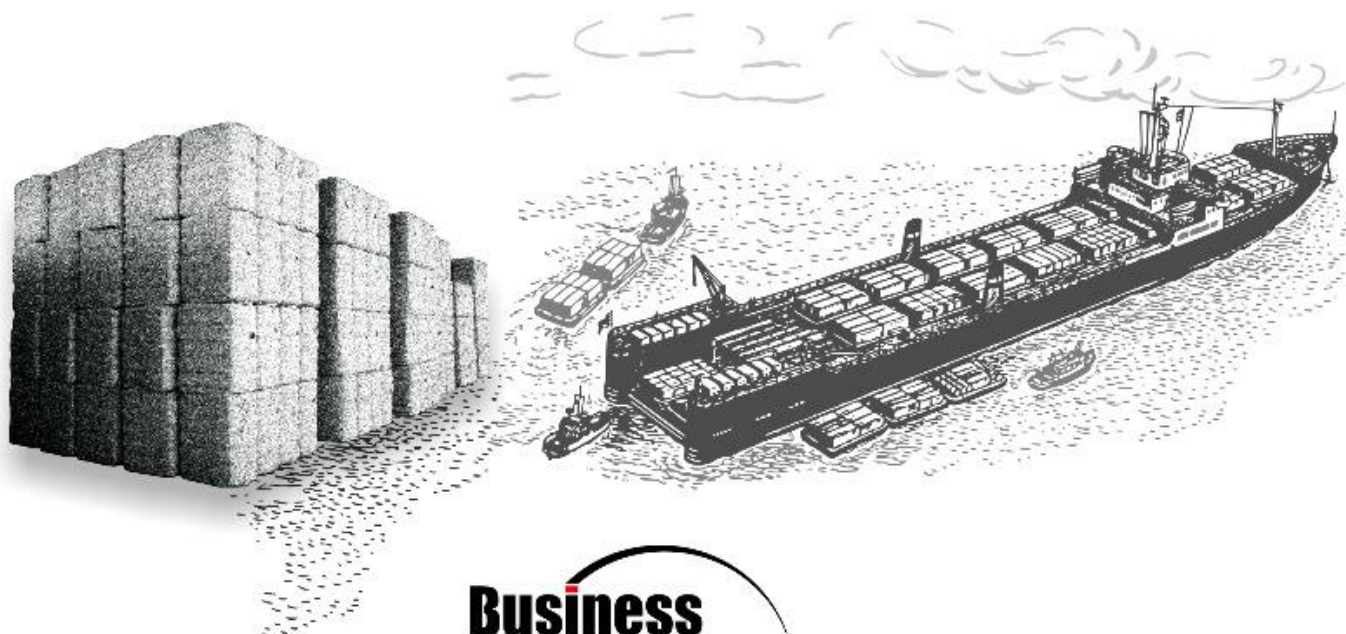
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Gujarat District wise Cotton Sowing 2019-2020

Zone/District	Hectares	% of Total Area	Zone/District	Hectares	% of Total Area
Kutch	60,500	2.27%	Saurashtra	18,89,000	70.79%
Kutch	60,500	2.27%	Surendranagar	3,55,100	13.31%
			Rajkot	2,64,400	9.91%
North Gujarat	2,40,400	9.01%	Jamnagar	1,66,500	6.24%
Banarsakantha	43,800	1.64%	Porbandar	9,400	0.35%
Patan	44,700	1.68%	Junagadh	74,900	2.81%
Mehsana	38,200	1.43%	Amreli	4,02,900	15.10%
Sabarkantha	57,700	2.16%	Bhavnagar	2,37,800	8.91%
Gandhinagar	23,600	0.88%	Morbi	1,86,200	6.98%
Aravali	32,400	1.21%	Botad	1,63,900	6.14%
			Gir Somnath	17,100	0.64%
Middle Gujarat	3,21,400	12.04%	Dwarka	10,800	0.40%
Ahmedabad	1,13,400	4.25%	South Gujarat	1,57,100	5.89%
Anand	3,000	0.11%	Surat	4,400	0.16%
Kheda	19,100	0.72%	Narmada	46,900	1.76%
Panchmahal	11,700	0.44%	Bharuch	96,400	3.61%
Dahod	1,000	0.04%	Dang		
Vadodara	79,700	2.99%	Navsari		
Mahisagar	6,400	0.24%	Valsad		
Chota Udaipur	87,100	3.26%	Tapi	9,400	0.35%
TOTAL				26,68,400	100.00%

Source: Dept. of Agriculture - Government of Gujarat

Cotton Sowing Area in 2018-19 was 27,12,100 hectares. 2019-20 Cotton Sowing Area is 26,68,400 hectares which is 1.61 % down from previous year



Report Summary

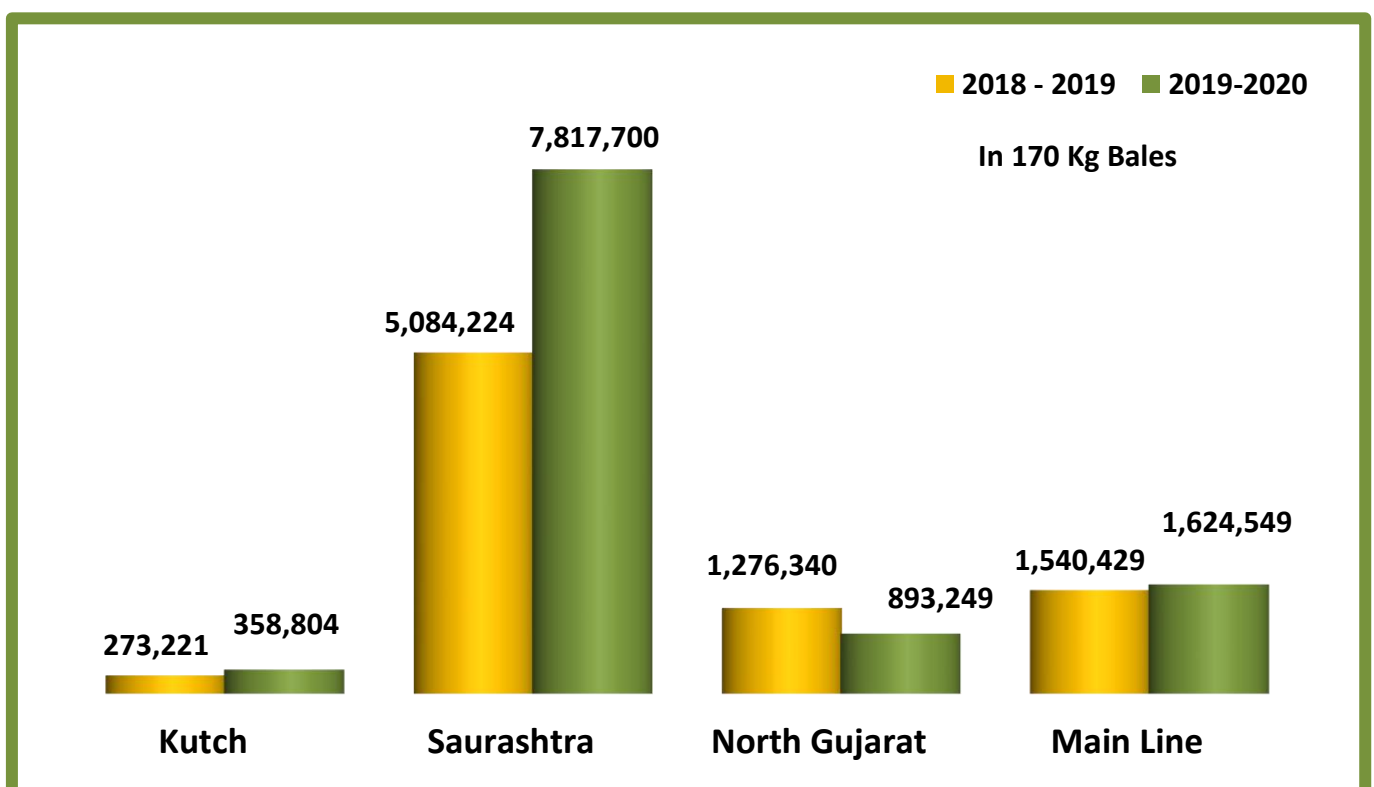
Gujarat cotton crop is estimated as 1,06,94,302 Bales out of which 2,75,000 Bales will be of V-797 rest will be Shankar-6. V-797 pressing will remain almost same or slightly higher than 2017-18, 2018-19 was a rain deficient year. Apart from this generally around 13-20 Lakh bales equivalent Kapas arrive to Gujarat from neighbouring states. Other state arrivals in Gujarat varies with price parity and many other factors like CCI Purchase, TDS on cash withdrawal. During 2017-18 season approximately 18.58 Lakh bales equivalent kapas had arrived from other states and total pressing was 1,18,72,596 Bales and during 2018-19 season approximately 11.50 Lakh Bales equivalent of kapas had arrived from other state and total pressing was 90,49,293 Bales.


Since crop in neighbouring states also is much better than last season, chances of higher arrivals from other state to Gujarat seems much brighter than last season.

Current season GOT (Lint Outturn) is higher than previous few years which will also help increase yield in terms of Kg lint per hectare. Though for our calculation purpose we have taken previous few years average. There is plenty of ground water availability, which will be useful to give better yields in non-irrigated land and partially compensate yield loss due to excess rainfall in certain area.

So, we estimate total Gujarat cotton pressing to be 120-125 Lakh Bales of 170 Kg.

Comparative Gujarat Cotton Crop 2018-19 vs 2019-20





Rainfall started a bit earlier than regular time period because of Vayu cyclone in Saurashtra-Kutch and ended very late because of cyclonic disturbances all over Gujarat. Rainfall was excess at many places but availability of plenty of ground water will help farmers not only in cotton crop but also for winter crops.



Rainfall was active during late October and early November which caused damage to cotton crop up to certain extend.

District: Surendranagar**Sowing time:**

1st June to 30th June

Crop Survey:

- In Surendranagar District Dhrangdra is early sowing area. Excess rainfall in this area caused water logging during the month of September, which caused substantial damage to the cotton crop. We estimate this area will give the lowest yield of nearly 8 Maund per Bigha. Patdi and Lakhtar are V-797 area which is also low yield variety. Muli, Limbdi, Chuda, Sayla and Chotila are the area where crop is in excellent condition. Though some limited damage is reported by excess rainfall but overall this area will give 8 Maund per bigha production.

Overall, we suggest aggregate yield of Surendranagar district will remain 13 Maund per Bigha against last year's average of 8 Maund per Bigha

Surendranagar District Rainfall Report (Rainfall in mm)

District/ Taluka	Avg Rainfall (1989-2018)	Rainfall till										% of Avg Rainfall
		22-Jun	06-Jul	20-Jul	03-Aug	17-Aug	31-Aug	14-Sep	28-Sep	12-Oct	26-Oct	
Chotila	645	8	106	111	288	480	508	752	835	935	935	144.97
Chuda	546	15	196	258	473	752	801	938	1043	1106	1106	202.38
Dasada	560	12	16	18	52	336	357	480	544	649	649	115.98
Dhrangadhra	517	2	24	24	84	545	665	819	947	1144	1144	221.28
Lakhtar	575	0	62	79	178	468	488	638	762	826	826	143.74
Limbdi	616	16	93	98	201	382	434	507	541	618	618	100.40
Muli	566	32	56	102	185	380	412	665	725	814	814	143.77
Sayla	512	16	78	131	191	391	406	657	775	871	871	170.17
Thangadh	614	5	30	60	207	505	530	730	828	993	993	161.74
Wadhvan	566	20	83	93	218	496	546	723	857	910	910	160.82

District: Rajkot**Sowing time:**

Mid-June to June end.

Crop Survey:

- In Rajkot District some area like Tankara and Paddhari where there was late sowing, benefited by September rains. Gondal, Jasdan and Vichhiya where sowing was done early are also in healthy condition. Lodhika, Jetpur and Jamkandorna reported some damage by rain on ready crop but with good plant height despite damage yield will increase substantially compare to last season.

Overall, we estimate Rajkot District to produce 17 Maund per Bigha compare to last year's 14 Maund per Bigha.

Rajkot District Rainfall Report (Rainfall in mm)

District/ Taluka	Avg Rainfall (1989-2018)	Rainfall till										% of Avg Rainfall
		22-Jun	06-Jul	20-Jul	03-Aug	17-Aug	31-Aug	14-Sep	28-Sep	12-Oct	26-Oct	
Dhoraji	674	107	111	111	338	457	515	844	937	1053	1053	156.33
Gondal	671	45	156	158	287	527	529	688	918	1063	1063	158.48
Jamkandorna	613	40	42	42	193	364	416	657	765	980	980	159.79
Jasdan	564	26	74	74	200	356	366	524	571	654	654	115.90
Jetpur	687	22	22	23	185	284	306	496	632	705	705	102.59
Kotdasangani	679	28	72	72	321	648	651	899	1062	1219	1219	179.54
Lodhika	641	65	87	87	232	565	567	1016	1126	1295	1295	202.04
Paddhari	507	40	101	101	301	588	610	846	859	918	918	181.07
Rajkot	721	30	66	95	625	985	1005	1373	1451	1587	1587	220.00
Upleta	747	77	95	95	209	327	387	578	630	743	743	99.42
Vichhiya	553	26	77	77	159	343	354	506	555	668	668	120.76

District: Jamnagar**Sowing time:**

Majority of the sowing was completed in from 14th to 20th June, there was good rainfall during this period because of Vayu cyclone

Crop Survey:

- There was good rainfall in this area in early Jun and now first picking underway. This area is highly benefited by last rain up to October. With wind and November rain create some small damage but it is more benefited for long term. All the taluka like Jamjodhpur, Jodia, Dhrol, Kalavad and Lalpur will give good results.

We estimate Jamnagar district to produce 18 Maund per Bigha which is much higher than last year's 10.99 Maund.

Jamnagar District Rain Rainfall Report (Rainfall in mm)

District/ Taluka	Avg Rainfall (1989-2018)	Rainfall till										% of Avg Rainfall
		22-Jun	06-Jul	20-Jul	03-Aug	17-Aug	31-Aug	14-Sep	28-Sep	12-Oct	26-Oct	
Dhrol	543	24	82	82	376	656	688	919	1004	1099	1099	202.53
Jamjodhpur	651	57	73	73	266	415	433	911	962	1208	1208	185.52
Jamnagar	690	41	41	41	325	568	603	1012	1060	1170	1170	170.00
Jodia	560	30	30	31	299	614	617	1019	1172	1309	1309	233.89
Kalavad	575	41	131	131	248	553	655	925	979	1091	1091	189.81
Lalpur	676	20	132	132	231	450	456	655	724	848	848	125.44

District: Porbandar/Junagadh**Sowing time:**

June first week to June end

Crop Survey:

- Porbandar and Junagadh districts were benefited by VAYU cyclone in early June and sowing was completed by end June in most of the area. Maha cyclone gave some unexpected rains in this area with very little damage. As of now crop is in very healthy condition.

We estimate both the districts to produce 18 Maund per bigha which is same as last year.

Porbandar District Rainfall Report (Rainfall in mm)

District/ Taluka	Avg Rainfall (1989- 2018)	Rainfall till										% of Avg Rainfall
		22-Jun	06-Jul	20-Jul	03-Aug	17-Aug	31-Aug	14-Sep	28-Sep	12-Oct	26-Oct	
Kutiana	709	108	152	156	254	364	364	752	814	887	887	125.14
Porbandar	642	70	72	73	182	313	358	836	899	1066	1066	165.98
Ranavav	717	62	72	74	174	328	360	759	774	896	896	124.90

Junagadh District Rainfall Report (Rainfall in mm)

District/ Taluka	Avg Rainfall (1989- 2018)	Rainfall till										% of Avg Rainfall
		22-Jun	06-Jul	20-Jul	03-Aug	17-Aug	31-Aug	14-Sep	28-Sep	12-Oct	26-Oct	
Bhesan	663	94	113	113	408	620	659	956	1031	1173	1173	176.83
Junagadh	942	124	128	130	446	604	642	1078	1155	1336	1346	142.96
Junagadh City	942	124	128	130	446	604	642	1078	1155	1336	1346	142.96
Keshod	841	106	162	162	390	512	559	948	1063	1217	1266	150.56
Malia	968	163	235	235	424	576	596	1034	1130	1337	1377	142.18
Manavadar	790	73	138	138	330	423	470	903	976	1126	1126	142.45
Mangrol	861	166	168	168	322	400	402	796	884	970	988	114.71
Mendarda	912	142	283	283	646	793	814	1138	1227	1366	1369	150.06
Vanthali	896	170	173	175	528	684	700	1244	1343	1478	1482	165.49
Visavadar	1015	113	229	233	800	1048	1172	1728	1858	2070	2090	205.96

District: Amreli**Sowing time:**

Whole district has received first rainfall on June 12th because of Vayu cyclone so, sowing started from 15th June and complete before June end.

Crop Survey:

- Amreli district is one of the largest cotton sowing area in Gujarat. Huge unirrigated area also give good yield in this area. Due to Vayu cyclone the sowing was early. some heavy rain was recorded in September. Other part like Babra, Dhari, Khambha received required rain time to time. There was hardly any major damage by October and November rain. Picking in full flow from mid of October.

We estimate Amreli District to produce 18 Maund per Bigha against last year's 10.99 Maund per Bigha.

Amreli District Rainfall Report (Rainfall in mm)

District/ Taluka	Avg Rainfall (1989-2018)	Rainfall till										% of Avg Rainfall
		22-Jun	06-Jul	20-Jul	03-Aug	17-Aug	31-Aug	14-Sep	28-Sep	12-Oct	26-Oct	
Amreli	640	64	138	139	386	554	574	814	859	957	967	151.11
Babra	607	47	196	196	349	526	565	731	793	902	902	148.58
Bagasra	636	23	93	97	419	548	580	713	777	928	935	147.02
Dhari	601	25	58	58	268	336	371	555	662	738	743	123.63
Jafrabad	663	102	119	119	252	329	342	467	555	572	577	87.09
Khambha	602	135	140	140	270	335	384	677	799	966	977	162.36
Lathi	607	62	194	194	459	637	670	864	891	916	916	150.86
Lilia	637	42	98	98	365	427	491	698	737	801	805	126.34
Rajula	633	81	95	98	238	380	501	805	943	1171	1171	185.01
Savarkundla	670	97	260	260	444	499	528	757	822	888	910	135.80
Vadia	607	69	95	95	265	452	490	665	715	800	800	131.84

District: Bhavnagar**Sowing time:**

Early sowing was done in very small pockets during end May or early June. Bhavnagar district was benefitted by VAYU cyclone and received rainfall on 12th June in most of the parts of this district. Cotton sowing was completed by end of the June.

Crop Survey:

- Bhavnagar is also big cotton sowing area. Vallabhipur, Garidhar and Palitana are less irrigate while other area are irrigated. Particularly Jesar has less rain in growing time other all area was better all time. Sihor, Talaja and Mahuva get more rain in October and November which has damage some quality of open boll but current condition of full height of plant will give surpriceing result here we expect more picking till April.

We Estimate Bhavnagar District to produce 18 Maund per Bigha against last year's 14.99 Maund per Bigha.

Bhavnagar District Rainfall Report (Rainfall in mm)

District/ Taluka	Avg Rainfall (1989-2018)	Rainfall till										% of Avg Rainfall
		22-Jun	06-Jul	20-Jul	03-Aug	17-Aug	31-Aug	14-Sep	28-Sep	12-Oct	26-Oct	
Bhavnagar	689	75	249	277	438	780	821	1052	1132	1143	1157	168.00
Gariadhar	463	46	128	122	280	351	371	474	486	498	500	108.07
Ghogha	613	26	160	195	316	493	607	796	846	920	920	150.06
Jesar	679	37	71	71	165	197	212	303	332	425	425	62.58
Mahuva (Bhav)	604	80	165	174	292	394	479	663	786	839	839	138.85
Palitana	587	37	137	137	283	357	364	604	672	711	716	121.93
Shihor	622	21	146	160	273	508	588	671	719	745	749	120.50
Talaja	567	99	185	185	355	447	488	534	598	603	608	107.31
Umrالا	546	49	174	180	459	688	718	869	883	929	929	170.06
Vallabhipur	589	43	153	171	428	721	736	936	960	987	987	167.44

District: Morbi**Sowing time:**

In little irrigated area of Halvad and wankaner sowing was in June while rest area sowing start in end July.

Crop Survey:

- In the morbi district Halvad is early sowing area and was badly effected by September rain on ready crop. Other area were very late sowing to July end so they are well benefited by late rain.

We Estimate Morbi District to produce 15 Maund per Bigha against last year's 5.51 Maund per Bigha.

Morbi District Rainfall Report (Rainfall in mm)

District/ Taluka	Avg Rainfall (1989-2018)	Rainfall till										% of Avg Rainfall
		22-Jun	06-Jul	20-Jul	03-Aug	17-Aug	31-Aug	14-Sep	28-Sep	12-Oct	26-Oct	
Halvad	450	7	9	9	70	345	381	448	528	646	646	143.48
Malia_Miana	461	16	41	45	115	435	440	523	525	661	661	143.49
Morbi	559	12	31	31	159	611	641	858	919	1094	1094	195.60
Tankara	549	16	20	20	266	716	716	967	1058	1233	1233	224.77
Wankaner	493	20	184	184	283	476	488	645	686	903	903	183.16

District: Botad**Sowing time:**

June first week to June end.

Crop Survey:

- Botad also has very small irrigated land but this year was blessing by good rain so plants are in very healthy condition with good height. There is no second crop in this area so the picking will continue till April. There is very small damage to the crop and more benefitted by late rainfall

We Estimate 19 Maund per bigha from this district against last year's 5.51 Maund per Bigha.

Botad District Rainfall Report (Rainfall in mm)

District/ Taluka	Avg Rainfall (1989-2018)	Rainfall till										% of Avg Rainfall
		22-Jun	06-Jul	20-Jul	03-Aug	17-Aug	31-Aug	14-Sep	28-Sep	12-Oct	26-Oct	
Botad	551	24	139	152	287	639	660	1008	1063	1125	1125	204.24
Barvala	651	21	133	140	313	684	690	835	855	903	910	139.69
Gadhda	531	58	128	128	230	549	576	953	993	1072	1072	201.71
Ranpur	652	36	141	145	287	585	600	662	685	725	725	111.17

District: Gir Somnath**Sowing time:**

15th June to 30th June.

Crop Survey:

- Gir Somnath area is the highest yielding area and will give 22 Maund per Bigha against last year's 17.06 Maund per Bigha.

Gir Somnath District Rainfall Report (Rainfall in mm)

District/ Taluka	Avg Rainfall (1989-2018)	Rainfall till										% of Avg Rainfall
		22-Jun	06-Jul	20-Jul	03-Aug	17-Aug	31-Aug	14-Sep	28-Sep	12-Oct	26-Oct	
Gir Gadhada	866	110	212	212	481	566	627	716	854	892	892	102.97
Kodinar	981	185	222	222	526	619	637	900	1047	1163	1163	118.61
Sutrapada	823	337	388	388	593	653	720	1097	1206	1272	1272	154.50
Talala	1028	318	362	370	687	793	837	1273	1432	1609	1609	156.58
Una	868	153	251	251	458	572	670	811	992	1038	1048	120.67
Veraval	865	202	202	203	397	464	505	776	882	958	958	110.72

District: Devbhumi Dwarka**Sowing time:**

Last week July.

Crop Survey:

- Devbhumi Dwarka is a non-irrigated area. There was no rain almost till end July in this district so the sowing was done in end July or august first week. As on today some area are in flowering and boll opening stage. This area is highly benefited by last rain up to October. Rainfall during November with high wind created some small damage but it is more benefited in long term.

We estimate 17 Maund per bigha for this area compare to last year's 4.99 Maund per Bigha.

Devbhumi Dwarka District Rainfall Report (Rainfall in mm)

District/ Taluka	Avg Rainfall (1989-2018)	Rainfall till										% of Avg Rainfall
		22-Jun	06-Jul	20-Jul	03-Aug	17-Aug	31-Aug	14-Sep	28-Sep	12-Oct	26-Oct	
Bhanvad	617	39	44	44	90	261	268	564	676	1032	1032	167.31
Dwarka	453	34	34	34	143	334	346	509	524	620	620	136.82
Kalyanpur	731	66	66	66	148	395	395	829	878	1134	1134	155.21
Khambhalia	684	23	23	23	289	473	516	1006	1127	1339	1339	195.88

District: Banaskantha**Sowing time:**

Mid-May to Mid-June

Crop Survey:

- Banaskantha district Major sowing of cotton is done in Tharad, Bhabhar, dhanera, lakhani, tharad, deodar. Total sowing of cotton is 15% of total cultivated land, rest of the area , castor, Dadim, Potato, and various other crop sowing is done. Overall cotton crop in this area is in good condition and not damage to crop for excess rain.

We estimate 22 Maund per bigha from this area compare to last year 20 Maund per Bigha

Banaskantha District Rainfall Report (Rainfall in mm)

District/ Taluka	Avg Rainfall (1989- 2018)	Rainfall till										% of Avg Rainfall
		22-Jun	06-Jul	20-Jul	03-Aug	17-Aug	31-Aug	14-Sep	28-Sep	12-Oct	26-Oct	
Amirgadhd	801	57	166	166	363	610	657	739	787	882	882	110.09
Bhabhar	485	17	72	72	190	362	380	413	415	703	703	144.92
Danta	833	83	176	186	272	552	588	832	876	1009	1009	121.17
Dantiwada	619	20	50	50	107	303	320	456	537	610	610	98.61
Deesa	668	25	124	124	186	363	387	558	634	736	736	110.12
Deodar	518	27	113	113	252	400	425	481	485	641	641	123.79
Dhanera	588	53	138	138	218	369	401	528	587	650	650	110.49
Kankrej	506	31	67	67	148	242	269	320	363	503	503	99.49
Lakhani	618	32	90	90	197	336	340	552	572	631	631	102.04
Palanpur	773	58	109	109	205	396	416	595	678	766	766	99.12
Suigam	543	17	108	108	193	382	458	499	499	583	583	107.29
Tharad	436	90	95	95	299	413	429	542	586	628	628	144.08
Vadgam	757	77	97	97	197	396	421	594	646	740	740	97.74
Wav	526	7	16	16	264	337	347	405	410	437	437	83.06

District: Patan**Sowing time:**

Mid-May to mid-June

Crop Survey:

- In Patan district Patan, Siddhpur, Chanasma are major area for Shankar-6 and Sami, Harij and Shankheshwar are major area of V-797. Very excellent crop condition in Siddhpur, Patan and Chanasma with expected good yield but overall yield will be lower due to lower yielding V-797 sowing in other parts.

We estimate 20 Mound per Bigha from this area compare to last year 17.97 Maund per Bigha

Patan District Rainfall Report (Rainfall in mm)

District/ Taluka	Avg Rainfall (1989-2018)	Rainfall till										% of Avg Rainfall
		22-Jun	06-Jul	20-Jul	03-Aug	17-Aug	31-Aug	14-Sep	28-Sep	12-Oct	26-Oct	
Chanasma	506	46	60	60	123	256	316	356	376	514	514	101.59
Harij	567	37	83	83	186	598	732	782	785	982	982	173.05
Patan	664	62	115	115	210	429	475	572	684	936	936	141.06
Radhanpur	613	10	99	99	255	551	623	700	739	937	937	152.76
Sami	525	7	43	49	157	404	471	533	542	631	631	120.24
Santalpur	458	7	30	30	73	186	240	283	290	384	384	83.91
Sarswati	664	71	159	159	242	479	490	638	664	815	815	122.74
Shankheshwar	523	0	35	35	126	315	337	387	449	561	561	107.27
Siddhpur	740	149	182	182	328	539	575	786	830	1038	1038	140.30

District: Mahesana**Sowing time:**

May end to June 20

Crop Survey:

- In this district mainly Kapas Sowing is in Visnagar, Vijapur, Mansa. Flowering was very late and plant height is big and late rain substantially damaged standing crop. Hence farmers would uproot kapas after 1-2 picking and opt for another crop before 15th December.

we estimate 18 Maund per Bigha against last year's 16.01 Maund per Bigha.

Mahesana District Rainfall Report (Rainfall in mm)

District/ Taluka	Avg Rainfall (1989- 2018)	Rainfall till										% of Avg Rainfall
		22-Jun	06-Jul	20-Jul	03-Aug	17-Aug	31-Aug	14-Sep	28-Sep	12-Oct	26-Oct	
Becharaji	645	28	90	90	164	339	420	527	545	693	693	107.37
Jotana	737	31	51	51	135	437	539	574	638	751	751	101.92
Kadi	795	65	92	92	164	530	624	780	826	916	916	115.16
Kheralu	699	50	72	72	147	319	338	443	458	605	605	86.53
Mahesana	748	74	149	149	274	559	692	758	835	982	982	131.23
Satlasana	751	92	110	116	257	598	662	934	946	1176	1176	156.59
Unjha	727	63	152	152	255	479	542	763	859	1007	1007	138.60
Vadnagar	670	56	81	81	105	242	280	355	375	506	506	75.54
Vijapur	804	165	183	188	283	556	682	740	822	992	992	123.33
Visnagar	675	68	99	99	113	248	282	336	366	531	531	78.70

District: Sabarkantha, Aravali & Gandhinagar

Sowing time:

June 1st to mid-June

Crop Survey:

- Aravali has very small area under cotton cultivation, overall crop is good in this area.
- Sabarkantha is the only district in Gujarat highly affected by pink bollworm. In this area picking is underway but due to pink bollworm picking labor is able to pick only 10 Kg per day. Farmers are willing to uproot kapas to sow second crop.
- Gandhinagar district also some area is affected with pink bollworm.
- Overall, we estimate 18 Maund from Aravali, 10 Maund from Sabarkantha and 15 Maund from Gandhinagar against last year's 21.99 Maund in Aravali, 21.99 Maund from sabarkantha and 17.97 Maund in Gandhinagar

Sabarkantha District Rainfall Report (Rainfall in mm)

District/ Taluka	Avg Rainfall (1989-2018)	Rainfall till										% of Avg Rainfall
		22-Jun	06-Jul	20-Jul	03-Aug	17-Aug	31-Aug	14-Sep	28-Sep	12-Oct	26-Oct	
Himatanagar	837	128	189	191	440	788	878	929	970	1173	1173	140.19
Idar	958	116	146	146	350	659	722	810	884	1085	1085	113.27
Khedbrahma	831	101	129	133	348	650	699	887	940	1049	1049	126.25
Posina	821	78	181	247	336	704	778	1068	1158	1220	1220	148.57
Prantij	811	114	182	242	341	594	669	759	824	964	964	118.91
Talod	783	85	150	172	304	499	632	757	859	955	955	122.02
Vadali	868	103	141	141	332	587	645	747	778	921	921	106.12
Vijaynagar	831	134	178	215	237	579	711	794	859	1060	1060	127.53

Aravali District Rainfall Report (Rainfall in mm)

District/ Taluka	Avg Rainfall (1989- 2018)	Rainfall till										% of Avg Rainfall
		22-Jun	06-Jul	20-Jul	03-Aug	17-Aug	31-Aug	14-Sep	28-Sep	12-Oct	26-Oct	
Bayad	842	60	201	246	410	742	848	951	1014	1069	1069	126.99
Bhiloda	915	61	119	130	226	540	613	739	772	1028	1028	112.37
Dhansura	885	29	159	207	331	659	792	965	1033	1136	1136	128.29
Malpur	806	9	191	231	336	569	698	921	1081	1144	1144	141.94
Meghraj	855	55	301	304	403	662	795	964	1059	1137	1137	132.96
Modasa	856	44	154	196	313	550	631	851	915	983	983	114.80

Gandhinagar District Rainfall Report (Rainfall in mm)

District/ Taluka	Avg Rainfall (1989- 2018)	Rainfall till										% of Avg Rainfall
		22-Jun	06-Jul	20-Jul	03-Aug	17-Aug	31-Aug	14-Sep	28-Sep	12-Oct	26-Oct	
Dahegam	808	59	113	143	230	465	599	809	877	942	942	116.57
G'nagar	704	32	61	61	116	308	392	547	610	653	653	92.73
Kalol (gnr)	776	161	164	164	233	621	682	837	920	981	981	126.48
Mansa	801	114	141	141	193	477	584	687	771	821	821	102.46

District: Ahmedabad**Sowing time:**

July end to August 15th

Crop Survey:

- Ahmedabad district major area is V-797 belt, in very small area sowing of Shankar-6 is done.

We estimate 12 Maund of 20 Kg. per Bigha compare to last year's 16.01 Maund per Bigha

Ahmedabad District Rainfall Report (Rainfall in mm)

District/ Taluka	Avg Rainfall (1989- 2018)	Rainfall till										% of Avg Rainfall
		22-Jun	06-Jul	20-Jul	03-Aug	17-Aug	31-Aug	14-Sep	28-Sep	12-Oct	26-Oct	
Abad City	793	69	115	128	281	498	543	726	807	851	851	107.33
Bavla	696	55	98	98	430	621	727	870	911	929	929	133.57
Dascroi	668	27	54	69	235	411	469	630	672	708	708	106.02
Detroj	634	45	129	129	165	287	338	389	414	491	491	77.39
Dhandhuka	699	25	122	122	329	756	778	985	1016	1033	1033	147.84
Dholera	682	7	105	111	170	506	516	664	712	757	757	110.97
Dholka	735	34	117	123	383	605	700	801	844	903	903	122.91
Mandal	562	16	27	27	56	169	206	289	351	415	415	73.89
Sanand	795	20	40	48	262	501	594	806	903	955	955	120.17
Viramgam	661	7	32	32	113	224	257	345	412	487	487	73.66

District: Vadodara

Sowing time: May 15th to June 15th

District: Narmada

Sowing time: May 15th to June 15th

District: Bharuch

Sowing time: May 15th to June first week.

District: Chhota Udaipur

Sowing time: 15th June on ward.

Crop Survey:

- Vadodara, Narmada, Bharuch, Chhota Udaipur are the major cotton sowing area in Mainline. Due to there proximity of big rivers in this area plenty of irrigation water is available in this area. Plants height is 5 ft to 7 ft. Numbers of bolls are more than 120 to 150. If all the cotton bolls can sustain till maturity this area will give very high yield. Lower yield expected only in Pavi-Jetpur area of Chhota Udaipur.

Overall, we estimate 27 Maund of 20 Kg. per Bigha from this area compare to last year's 25 Maund per Bigha with still possibility of still higher yield.

Vadodara District Rainfall Report (Rainfall in mm)

District/ Taluka	Avg Rainfall (1989- 2018)	Rainfall till										% of Avg Rainfall
		22-Jun	06-Jul	20-Jul	03-Aug	17-Aug	31-Aug	14-Sep	28-Sep	12-Oct	26-Oct	
Dabhoi	968	6	201	323	666	1248	1346	1531	1720	1781	1781	183.93
Desar	850	17	96	112	332	620	687	724	741	743	750	88.28
Karjan	1025	4	208	252	510	862	958	1060	1266	1289	1289	125.76
Padra	736	0	79	95	230	348	377	428	504	579	579	78.68
Savli	862	5	57	67	214	542	591	650	694	710	710	82.33
Sinor	732	9	117	160	361	586	642	751	840	861	865	118.15
Vadodara	989	6	226	303	962	1350	1524	1719	1845	1920	1920	194.22
Waghodia	779	5	170	250	451	697	764	891	954	986	986	126.65

Narmada District Rainfall Report (Rainfall in mm)

District/ Taluka	Avg Rainfall (1989-2018)	Rainfall till										% of Avg Rainfall
		22-Jun	06-Jul	20-Jul	03-Aug	17-Aug	31-Aug	14-Sep	28-Sep	12-Oct	26-Oct	
Dediapada	1102	34	162	259	552	1309	1383	1648	1796	1828	1828	165.88
Garudeshwar	949	5	253	302	657	1163	1254	1362	1580	1597	1603	168.85
Nandod	939	6	153	214	664	1152	1211	1287	1433	1450	1453	154.70
Sagbara	1114	12	111	154	552	1062	1130	1408	1560	1580	1580	141.78
Tilakwada	1001	10	207	288	693	1180	1267	1394	1587	1670	1670	166.78

Bharuch District Rainfall Report (Rainfall in mm)

District/ Taluka	Avg Rainfall (1989-2018)	Rainfall till										% of Avg Rainfall
		22-Jun	06-Jul	20-Jul	03-Aug	17-Aug	31-Aug	14-Sep	28-Sep	12-Oct	26-Oct	
Amod	492	0	128	186	397	715	731	785	811	845	845	171.60
Ankleshwer	673	9	299	368	766	1197	1246	1407	1638	1690	1690	251.14
Bharuch	901	36	311	401	732	1147	1173	1339	1519	1587	1583	175.75
Hansot	838	59	222	253	681	1355	1406	1547	1757	1783	1787	213.28
Jambuser	583	4	126	149	313	496	516	621	661	700	700	120.11
Jhagadia	730	17	105	140	304	455	479	565	607	614	614	84.12
Netrang	722	42	261	340	719	1176	1223	1378	1506	1512	1532	212.18
Vagra	687	12	95	217	439	773	808	1004	1146	1187	1187	172.70
Valia	693	8	171	196	617	1095	1108	1248	1372	1379	1381	199.19

Chhota Udepur District Rainfall Report (Rainfall in mm)

District/ Taluka	Avg Rainfall (1989-2018)	Rainfall till										% of Avg Rainfall
		22-Jun	06-Jul	20-Jul	03-Aug	17-Aug	31-Aug	14-Sep	28-Sep	12-Oct	26-Oct	
Bodeli	1222	1	362	376	655	1135	1237	1413	1497	1545	1545	126.40
Chhota udepur	899	6	310	346	534	1464	1807	2026	2345	2401	2401	267.03
Jetpur Pavi	1043	0	300	334	386	958	1167	1258	1423	1476	1476	141.47
Naswadi	915	19	145	191	451	997	1117	1204	1383	1416	1416	154.73
Quant	929	32	312	365	570	1682	2030	2138	2381	2405	2425	260.92
Sankheda	1221	0	241	318	558	936	1040	1184	1297	1319	1319	108.02

District: Kutch**Sowing time:**

Early June

Crop Survey:

- In Kutch area monsoon arrival was very early due to Vayu Cyclone and thereafter there was good rainfall during whole monsoon season though majority of this area is canal irrigated cotton belt and generally yield is much higher than rest of the Gujarat infact Kutch is the highest yield area of Gujarat. But last rainfall in November with high wind and hailstorm on standing crop substantially damaged it. And expected yield reduced by almost 25%. After all these events we estimate Kutch yield to be 30 Maund (40 Kg) per Acre for this season.

Kutch District Rainfall Report (Rainfall in mm)

District/ Taluka	Avg Rainfall (1989-2018)	Rainfall till										% of Avg Rainfall
		22-Jun	06-Jul	20-Jul	03-Aug	17-Aug	31-Aug	14-Sep	28-Sep	12-Oct	26-Oct	
Abdasa	360	4	4	4	203	573	596	721	780	789	789	219.43
Anjar	426	16	16	16	142	376	429	515	561	702	702	164.79
Bhachau	428	9	25	25	113	404	478	607	621	747	747	174.44
Bhuj	357	7	73	73	128	261	426	502	519	567	567	158.96
Gandhidham	396	8	8	8	44	323	323	366	443	553	553	139.52
Lakhpatt	327	16	16	16	135	405	459	520	526	557	557	170.49
Mandvi(K)	413	21	21	21	251	423	443	619	668	707	707	171.27
Mundra	459	10	11	11	172	288	311	499	620	818	818	178.05
Nakhatrana	392	0	11	11	130	538	566	731	765	821	821	209.23
Rapar	452	0	66	66	123	503	514	615	632	860	860	190.27



Thank you

To all those who supported us in this huge task of assessment of cotton crop from ground level. We are thankful to you all for spending your valuable time and putting so much of efforts to help Gujcot prepare this report.

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