



# Gujcot Trade Association

Crop Survey of Gujarat State Season 2018-2019



Report Sponsored By :



Axita Cotton Limited



# Final Cotton Sowing Area of Gujarat

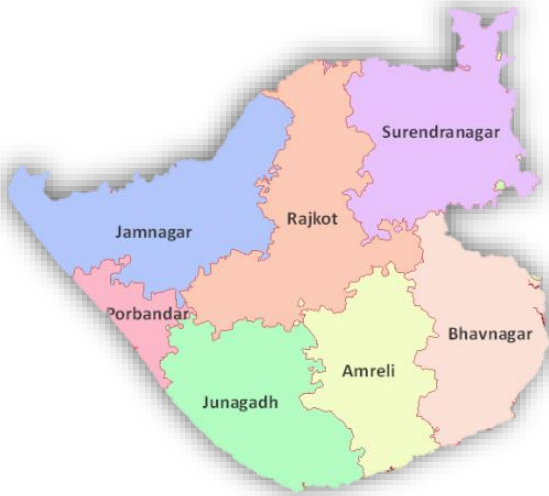
## Gujarat Districtwise Cotton Sowing - FINAL

As on 08-October-2018

	Hectares	% of Total Area		Hectares	% of Total Area
<b>Kutch</b>	<b>56,300</b>	<b>2.08%</b>	<b>Saurashtra</b>	<b>19,29,800</b>	<b>71.16%</b>
Kutch	56,300	2.08%	Surendranagar	3,47,600	12.82%
			Rajkot	2,60,400	9.60%
<b>North Gujarat</b>	<b>2,73,500</b>	<b>10.08%</b>	Jamnagar	1,83,600	6.77%
Banarsakantha	46,100	1.70%	Porbandar	10,700	0.39%
Patan	45,600	1.68%	Junagadh	76,100	2.81%
Mehsana	34,700	1.28%	Amreli	4,02,200	14.83%
Sabarkantha	78,700	2.90%	Bhavnagar	2,25,300	8.31%
Gandhinagar	24,000	0.88%	Morbi	2,18,200	8.05%
Aravali	44,500	1.64%	Botad	1,66,100	6.12%
			Gir Somnath	18,300	0.67%
<b>Middle Gujarat</b>	<b>3,07,500</b>	<b>11.34%</b>	Dwarka	21,300	0.79%
Ahmedabad	1,03,200	3.81%			
Anand	2,000	0.07%	<b>South Gujarat</b>	<b>1,44,900</b>	<b>5.34%</b>
Kheda	18,600	0.69%	Surat	5,500	0.20%
Panchmahal	13,700	0.51%	Narmada	48,000	1.77%
Dahod	400	0.01%	Bharuch	78,500	2.89%
Vadodara	81,000	2.99%	Dang		
Mahisagar	7,600	0.28%	Navsari		
Chota Udaipur	81,000	2.99%	Valsad		
			Tapi	12,900	<b>0.48%</b>
<b>TOTAL</b>				<b>27,12,100</b>	<b>100.00%</b>

Source : Dept. Of Agriculture - Government of Gujarat

# SAURASHTRA



DISTRICT	Area in '00 hectare	Yield Kg/Ha	Crop in 170 Kgs Bales
Surendranagar	3,476	340	6,95,200
Rajkot	2,604	595	9,11,400
Jamnagar	1,836	467	5,04,360
Porbandar	107	765	48,150
Junagadh	761	765	3,42,450
Amreli	4,022	467	11,04,867
Bhavnagar	2,253	637	8,44,212
Morbi	2,182	234	3,00,346
Botad	1,661	234	2,28,632
Gir Somnath	183	725	78,044
Dwarka	213	212	26,562
<b>TOTAL</b>	<b>19,298</b>	<b>447.88</b>	<b>50,84,224</b>

- Surendranagar district is very poor in terms of rain and hence the crop deficit. Non irrigated crop hardly gets 5 maund per Bigha. From Lakhtar to Chuda there is a big canal facility of the Narmada main canal. Such limited areas are better. In Lakhtar zone 797 crop are in very healthy conditions. Sayla and Chotila are very poor. Dhrangadhra and Halvad have some irrigated parts and will give some better crop. But overall 40% area here are non irrigated and 60% area are in some better positions. Average yield will be near to 8 maund per Bigha. Hence per hectare the whole district will give 340 kg of yield.
- In Rajkot, Jasdan and Gondal are some better areas. Near to Rajkot Paddhari and Shapar all are some better cotton belt. We estimate 14 maund per Bigha here. So 595 Kg will be the average yield per hectare.
- In Jamnagar, Kalavad and Falna are some better areas. It will produce some real good yield. While Jodiya and Lalpur are very poor hence Jamnagar is a mixed prediction area and average Bigha would be 11 maund. Hence per hectare yield would be 467 kg .
- Porbandar and Junagadh both areas have got good rains with healthy crop conditions. Bigha would be 18 maund. Hence it would yield 765 kg per hectare.
- Amreli District is the heart of saurashtra when it comes to cotton with the biggest area under cotton cultivation in Gujarat. This district got huge rain in the start of the season but did not get timely rain in the later part of the season when it was required. Farmers are genius here so they can survive the crop easily. But overall this district will also give yield of 11 maund per Bigha and hence would be giving 467 kg yield per hectare.
- Bhavnagar district has had good rains in the start as well as in the later part of the season. Coastal part of Talaja Mahuva and Rajula crops are very healthy with better soil moisture. In some part of Palitana and Jesar, non irrigated kapas are not in good conditions. Overall this district will give a yield of 15 maund per Bigha. Hence it will yield 637 kg per hectare.
- Morbi is the poorest crop in the whole Saurashtra region. Here most lands are non-irrigated which in turn will give hardly 4.50 maund per Bigha. With some irrigated we estimate and average of 5.50 maund per Bigha here. Yield will be 234 kg per hectare.
- Botad also has very few irrigated areas. While non irrigated kapas is in very poor condition. So like Morbi, Botad is also calculated at only 5.5maund per Bigha and hence 234 kg per hectare yield.
- Gir Somnath area is highest yielding area and will give 17 maund per Bigha. Hence it will yield 725 Kg per hectare
- Devbhumi Dwarka is a non irrigated area and yield will be 5 maund per Bigha and hence will be at 212 kg per hectare
- Saurashtra 1 Hectare = 6.25 Bigha
- **1 Maund = 20 Kg**

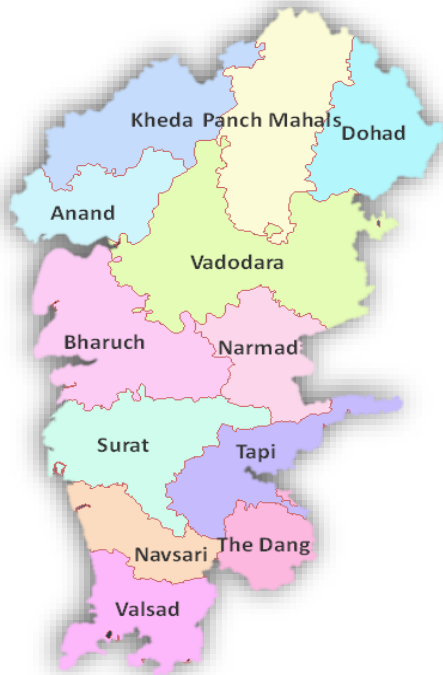
# NORTH GUJARAT



DISTRICT	Area in '00 hectare	Yield Kg/Ha	Crop in 170 Kgs Bales
Banasakantha	461	612	1,65,960
Patan	456	550	1,47,529
Mehsana	347	490	1,00,018
Sabarkantha	787	673	3,11,559
Gandhinagar	240	550	77,647
Aravali	445	673	1,76,168
Ahmedabad	1,032	490	2,97,459
<b>TOTAL</b>	<b>3,768</b>	<b>575.84</b>	<b>12,76,340</b>

- Banaskantha district was a wash out due to flood in last year. This year farmers 20+ maund per Bigha in this area. So it will give 612 kg per hectare.
- Patan also faced flood last year. This year there is a deficit of one rainfall, hence yield will be somewhat lower than last year. We estimate 550 kg per hectare yield for this year.
- Farmers of Mehsana district are taking 2 crops and remove the cotton after December. Farmers have better resources of water here. Here we estimate 16 maund per Bigha on average because of only 2 picking are taken. It will be 490 kg per hectare yield.
- Sabarkantha and Arravali have got good rains in the later part of September also. Soil moisture is better here. Some farmers are complaining about some plants getting redish in color due to last rain. But here we expect at least more than 22 maund per Bigha. It will give yield of 673 Kg per hectare.
- Gandhinagar district is a smaller part of cotton & expected yield is nearby 550 kg per hectare.
- Ahmedabad district has major part of 797 farming. This year plants are in very healthy position and 797 yeild will be 440 kg per hectare while in Shankar 6 which appears to be a small part in Ahmedabad district would be giving 550 kg per hectare yield. So average yield can be considered at 490 kg per hectare.
- North Gujarat 1 Hectare = 4.5 Bigha.
- **1 Maund = 20 Kg**

## Main Line



DISTRICT	Area in '00 hectare	Yield Kg/Ha	Crop in 170 Kgs Bales
Surat	55	765	24,750
Narmada	480	765	2,16,000
Bharuch	785	765	3,53,250
Tapi	129	765	58,050
Anand	20	765	9,000
Kheda	186	765	83,700
Panchmahal	137	765	61,650
Dahod	4	765	1,800
Vadodara	810	765	3,64,500
Mahisagar	76	765	34,200
Chhotaudaipur	810	700	3,33,529
<b>TOTAL</b>	<b>3,492</b>	<b>749.92</b>	<b>15,40,429</b>

- In main line there is enough ground water due to flowing rivers. This year deficit of last rain in September but crop condition is healthy. Here in this area farmer will get 500 Kg. to 600 Kg. per Bigha. In some part of Bodeli and Pavi Jetpur yield is somewhat low. Outturn this year look better compare to last year. If natural cool climate remain in coming day crop can get more than our estimate.
- Main Line 1 Hectare = 4.5 Bigha.

## KUTCH



ZONE	Area in '00 hectare	Yield Kg/Ha	Crop in 170 Kgs Bales
Kutch	563	825.00	2,73,221
<b>TOTAL</b>	<b>563</b>	<b>825.00</b>	<b>2,73,221</b>

- In Kutch area monsoon was very poor. Kapas sowing near costal area get better climatic moisture. Here 90% area is irrigated so plants are healthy. Kutch areas always give better yield. We expect minimum yield of 825 Kg. per Hectare.
- Kutch 1 Hectare = 6.25 Bigha **1 Maund = 20 Kg**

# For referrals and comparison we are giving here our last year's Crop Survey

Crop Survey Of Gujarat State 2017-18 Date :-27-12-2017

- In Gujarat, cotton cultivation has increased by nearly 10% compared to the last year.
- As per the records, last year's area under cultivation was around 24.04 lac hectare while this year it has increased to 26.41 lac hectares. Actual area under cultivation of kapas is even more than it appears on government records.
- In current year, Gujarat has received excess rainfall in some areas mainly in Morbi district and Banaskantha district. Morbi has benefitted from such excess rainfall, however Patan and Banaskantha districts have faced severe damages.
- Gujarat ginners have huge Ginning and pressing capacity, so they also bring kapas from the neighboring states as well and hence, the pressing of Cotton done in Gujarat not only represents Gujarat Crop but it also shows Gujarat crop plus the Kapas coming from other states.

## Let's focus on Gujarat Crop:

### Saurashtra

Surendranagar, Sayla, Chotila, Chuda have better yield while Halvad has a win win situation over all.

Surendranagar yield is better than last year. Morbi itself and Malia yield is the same as compared to last year.

Tankara, Wankaner, Jodia, Paddhari, Dhrol, Jamnagar, Kalawad, Gondal, are getting extra yields and are excess than last year. Dhoraji and Kandorna are getting extra ordinary yields. Botad district has gained a lot in terms of yield and has out turn more than both Dhoraji and Kandorna. There is not much change in the yield of Amreli, Babra zone as that to last year. Coastal, Rajula, Una are facing some insects related problem in their production. Bhavnagar also has some better position this year.

Over all, Saurashtra comprises 67% area of Gujarat and will gain in terms of yield and out turn too.

The minimum yield of kapas per Bigha will be 200 kg and on a higher side it shall be maximum 500 kg.

Saurashtra hectare is equal to 6.25 Bigha. Considering 34% out turn, the lowest yield of cotton will be 425 kg per hectare and highest will be 919 kg per hectare. Assuming ratio of 40% in higher and 60% of lower yield, average Saurashtra yield will be 637 kg and will give 70 lac bales of 170 kgs

### North Gujarat

In this year, Patan and Banaskantha district, were hit by flood which severely affected the production of kapas and this resulted in very poor yield compared to last year. Due to ground water, farmer removed the crop early. Siddhpur, Vijapur and Sabarkantha has better yield. At these stations, in some area double crop is taken so chance of last picking is limited. Here, we can see average yield per Bigha is 360kgs and one hectare comprises of 4.5 Bigha. In this way, North Gujarat will finish nearly 11.30 lac bales.

### Kutch

Excellent crop and starting with 35% out turn, Kutch will produce highest yield and give 3.30 lac bales of 170kgs

### South Gujarat and Main Line

Excellent season for Main Line and Surat line. Average yield is 726 kg per hectare and will produce 14 lac bales.

# Summary

Zone	Area in lac hectare	Yield per hectare in kgs	Crop in 170 Kgs Bales
Kutch	0.586	960.00	3,30,918
Saurashtra	18.839	637.00	70,59,084
North Gujarat	3.487	550.80	11,29,788
Main Line	3.500	726.00	14,94,706
<b>Total</b>	<b>26.412</b>	<b>644.58</b>	<b>1,00,14,496</b>

Average yield of Gujarat will remain 644.58 kgs per hectare. Out turn is taken average 34% in all area except mainline where average out turn calculated is 33%. All the above assessment is done without considering migrated kapas, so pressing will cross 120 lac bales including migrated kapas.

As per the present scenario, only small coastal area is affected by insects while the rest 95% crop is healthy.

*The present unfavorable weather conditions and pest attack situation might affect the production of cotton bales by 3-5 %. Hence, we estimate total production of around 96,00,000bales.*

We hope that this report proves fruitful and meets the purpose intended.

Thanks for your continuous support.

For, Gujcot Trade Association

<b>Gujarat Pressing Summary 2017-2018</b>		
From 1-10-2017 To 30-09-2018		
	Running Bale	170 Kg Bales
<b>Shankar 6</b>		
<b>Saurashtra</b>	<b>77,35,080</b>	<b>73,71,076</b>
<b>North Gujarat</b>	<b>35,61,967</b>	<b>33,94,345</b>
<b>Main Line</b>	<b>5,21,781</b>	<b>4,97,227</b>
<b>Kutch</b>	<b>3,77,726</b>	<b>3,59,951</b>
<b>Total</b>	<b>1,21,96,554</b>	<b>1,16,22,599</b>
<b>V-797</b>	<b>2,62,343</b>	<b>2,49,997</b>
<b>Total</b>	<b>1,24,58,897</b>	<b>1,18,72,596</b>

## Comparison of 2017/2018 – 2018/2019 Crop Survey.

	2017 - 2018			2018 - 2019		
Zone	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	0.586	960.00	3,30,918	0.563	825.00	2,73,221
Saurashtra	18.839	637.00	70,59,084	19.298	447.88	50,84,224
North Gujarat	3.487	550.80	11,29,788	3.768	575.84	12,76,340
Main Line	3.500	726.00	14,94,706	3.492	749.92	15,40,429
<b>Total</b>	<b>26.412</b>	<b>644.58</b>	<b>1,00,14,496</b>	<b>27.121</b>	<b>512.38</b>	<b>81,74,214</b>

Changes From Previous Year						
ZONE	Area		Yield		Crop	
	Lakh Hectare	%	Kgs/Ha	%	170 kg Bales	%
Kutch	-0.023	-3.92%	-135.00	-14.06%	-57,697	-17.44%
Saurashtra	0.459	2.44%	-189.12	-29.69%	-19,74,861	-27.98%
North Gujarat	0.281	8.06%	25.04	4.55%	1,46,552	12.97%
Main Line	-0.008	-0.23%	23.92	3.30%	45,724	3.06%
<b>Total</b>	<b>0.709</b>	<b>2.68%</b>	<b>-132.20</b>	<b>-20.51%</b>	<b>-18,40,282</b>	<b>-18.38%</b>

## Conclusion

- During Cotton Season 2017-18 total pressing of Gujarat was 1,18,72,596 Bales of 170 Kg.
- If count with our local crop estimate of 2017-2018 of 1,00,14,000, nearly 19, 00,000 (Nineteen Lakh) bales equivalent kapas arrived from neighboring states.
- As per first crop survey of 2018/2019 season, Team Gujcot estimate local Gujarat Cotton Production (Crop) at 81,74,000 Bales of 170 kgs against last year's production (Crop) of 1,00,14,000 Bales of 170 kgs. It is nearly 18.37 % lower compare to last year. V-797 production is estimated to be higher than last season, which might touch 4 Lakh Bales of 170 kg. against last season's pressing of 2.50 Lakh Bales, which is included in 81,74,000 total production.
- Team Gujcot has estimated average yield at 512 kg per hectare against yield of 644 kg/hectare in last season. It is 20.50 % lower compare to last season.
- This year also nearly 15 to 20 lakh bales expected to arrive to Gujarat from neighboring States. So Gujarat pressing can reach between 95 Lakh to 1 Crore Bales of 170 kg.
- Outstate arrivals depends upon various factors like Price parity, Mic difference, export buying, Domestic Gujarat requirement.



- Gujarat has now big consumption to encourage more pressing.
- Nearby ports give first preference to Gujarat cotton for exporters.
- Blending of Low Mic, Higher length Maharashtra Kapas and Shorter length Saurashtra Kapas will be one of the main reason for more arrival of Maharashtra Kapas in Gujarat.
- Despite increase in cotton sowing area by 2.68%, production is expected to decline by 18.38% due to decline in yields by 20.51% which is caused mainly by rain deficit.
- Mainly Saurashtra is affected by rain deficits. Non irrigated land of Saurashtra is highly affected to produce lower yields.
- Team Gujcot will do second crop progress survey by end of December.
- If climate doesn't get cooler and plant doesn't receive morning dew, the revision can be downward. And If climate get cool and plant get enough morning dew revision can be upward.
- There is potential for upward revision due to better lint out turn this season, and possibility of better yield from several area from Saurashtra and Main Line.
- Overall this is conservative survey and Team Gujcot is hopeful for better than current scenario presented here.

**As Per Government of Gujarat, Department of Agriculture's First Advance Estimate, Gujarat Expected Cotton yield is 554 Kgs per Hectares which is 41.82 Kgs higher than our estimated yield and Production (Crop) 88.28 Lakh Bales of 170 Kgs Which is 6.54 Lakh Bales Higher than our estimated production.**

First Advance Estimates of Area, Production and Yield of Major crops of Gujarat state for the year 2018-19				
A :- Area in "000" hectares; P :- Production "000" Tonnes; Y :- Yield in kgs./Hectare				
Sr. No.	Crop	Kharif		
		Area	Production	Yield
<b>A</b>				
1	Rice	805	1938	2408
2	Jowar	45	58	1282
3	Bajra	158	248	1568
4	Maize	313	455	1455
5	Ragi	12	14	1164
6	Small Millets	8	9	1118
	<b>Total Cereals</b>	<b>1341</b>	<b>2722</b>	<b>2030</b>
7	Tur (Red Gram)	251	314	1251
8	Udad	107	75	701
9	Mung (Green Gram)	61	38	626
10	Math	11	7	636
11	Other Pulses	5	3	560
	<b>Total Pulses</b>	<b>435</b>	<b>437</b>	<b>1005</b>
	<b>Total Food Grains</b>	<b>1776</b>	<b>3159</b>	<b>1779</b>
<b>B</b>				
	<b>Oil Seeds</b>			
12	Groundnut	1468	2695	1836
13	Castor seed	550	1173	2133
14	Sesamum	78	48	613
15	Soyabean	136	90	663
16	Other oilseeds	5	3	670
	<b>Total Oil Seeds</b>	<b>2237</b>	<b>4010</b>	<b>1792</b>
<b>C</b>				
	<b>Cash crops, Vegetables, Spices &amp; Other</b>			
17	#Cotton	2709	8828	554
18	Tobacco	36	79	2202
19	Guar Seeds	160	123	767

# Production of cotton in '000' bales each of 170 kgs in unit & productivity of cotton is in lint.

is

## REPORT PREPARED BY: TEAM GUJCOT

### Report Sponsored By :



# Axita Cotton Limited

Mfg. & Exporter of Cotton

CIN No. : U17200GJ2013PLC076059  
GST IN : 24AALCA8092L1Z6  
PAN : AALCA8092L

Reg. Office : Servey No. 324, 357, 358, Kadi Thol Road, Borisana Kadi,  
Mahesana-382715. Gujarat. India

ISO 9001:2015

Tele Fax : +91 6358747514 | E-mail : [info@axitacotton.com](mailto:info@axitacotton.com) | Website : [www.axitacotton.com](http://www.axitacotton.com)



**Reg. Office :** S/No. 185/1, Thol Road, At. Rangpurda, Kadi-382 715,  
Dist. : Mehsana, Gujarat, India.

**Admin. Office :** 402, Apollo Arcade, R.C. Technical Institute Road,  
Chanakyapuri, Ghatlodiya, Ahmedabad - 380 061, Gujarat, India.