

# Weather forecast and advisory for 24 most vulnerable drought prone districts

## Weather forecast

(Source: IMD)

### Andhra Pradesh

STATE : ANDRA-PRADESH

PARAMETERS

WEATHER FCST

DAY-1 DAY-2 DAY-3 DAY-4 DAY-5  
16042019 17042019 18042019 19042019 20042019

DISTRICT : ANANTPUR

Rainfall (mm)	0	6	3	8	0
Max Temperature ( deg C)	43	41	42	42	42
Min Temperature ( deg C)	26	27	28	28	29
Total cloud cover (octa)	0	2	3	3	3
Max Relative Humidity (%)	49	54	50	47	45
Min Relative Humidity (%)	11	19	20	18	20
Wind speed (kmph)	012	014	014	017	016
Wind direction (deg)	228	242	208	227	218

DISTRICT : KURNOOL

Rainfall (mm)	0	0	0	11	5
Max Temperature ( deg C)	43	41	44	43	42
Min Temperature ( deg C)	26	28	28	28	29
Total cloud cover (octa)	1	2	3	3	2
Max Relative Humidity (%)	39	50	53	55	50
Min Relative Humidity (%)	11	17	18	19	19
Wind speed (kmph)	010	011	013	014	014
Wind direction (deg)	205	178	158	165	190

STATE : ANDRA-PRADESH

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PARAMETERS	WEATHER FCST				
	DAY-1 16042019	DAY-2 17042019	DAY-3 18042019	DAY-4 19042019	DAY-5 20042019

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DISTRICT : PRAKASAM

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Rainfall (mm)	0	0	0	11	18
Max Temperature ( deg C)	41	40	44	43	39
Min Temperature ( deg C)	26	27	29	29	29
Total cloud cover (octa)	0	0	1	2	2
Max Relative Humidity (%)	57	72	75	73	75
Min Relative Humidity (%)	17	16	26	29	32
Wind speed (kmph)	010	009	007	012	014
Wind direction (deg)	172	146	163	184	162

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DISTRICT : CHITTOOR

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Rainfall (mm)	0	0	6	19	24
Max Temperature ( deg C)	40	41	43	43	41
Min Temperature ( deg C)	26	28	28	29	29
Total cloud cover (octa)	0	1	3	5	6
Max Relative Humidity (%)	67	74	77	74	73
Min Relative Humidity (%)	15	16	28	28	30
Wind speed (kmph)	008	009	008	006	012
Wind direction (deg)	205	191	182	191	189

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# Rajasthan

STATE : RAJASTHAN

PARAMETERS	WEATHER FCST				
	DAY-1 16042019	DAY-2 17042019	DAY-3 18042019	DAY-4 19042019	DAY-5 20042019

DISTRICT : NAGOUR

Rainfall (mm)	0	31	0	0	0
Max Temperature ( deg C)	41	37	33	35	37
Min Temperature ( deg C)	26	23	23	24	26
Total cloud cover (octa)	8	5	3	0	0
Max Relative Humidity (%)	29	54	45	38	31
Min Relative Humidity (%)	10	16	20	18	17
Wind speed (kmph)	006	019	009	009	006
Wind direction (deg)	194	153	120	292	147

DISTRICT : CHURU

Rainfall (mm)	0	27	6	0	0
Max Temperature ( deg C)	41	36	32	33	34
Min Temperature ( deg C)	24	20	19	21	22
Total cloud cover (octa)	7	7	4	1	0
Max Relative Humidity (%)	27	53	59	47	34
Min Relative Humidity (%)	11	16	23	23	18
Wind speed (kmph)	009	023	010	010	006
Wind direction (deg)	246	150	181	335	118

STATE : RAJASTHAN

PARAMETERS

WEATHER FCST

DAY-1	DAY-2	DAY-3	DAY-4	DAY-5
16042019	17042019	18042019	19042019	20042019

DISTRICT : JAISLAMER

Rainfall (mm)	0	3	0	0	0
Max Temperature ( deg C)	41	35	34	36	39
Min Temperature ( deg C)	23	23	24	26	27
Total cloud cover (octa)	6	4	1	0	0
Max Relative Humidity (%)	35	41	45	39	27
Min Relative Humidity (%)	14	20	21	21	14
Wind speed (kmph)	021	014	015	008	013
Wind direction (deg)	224	255	33	89	213

DISTRICT : AJMER

Rainfall (mm)	3	27	0	0	0
Max Temperature ( deg C)	41	38	34	36	36
Min Temperature ( deg C)	25	21	21	22	24
Total cloud cover (octa)	8	5	3	0	0
Max Relative Humidity (%)	33	63	47	39	31
Min Relative Humidity (%)	11	16	20	17	16
Wind speed (kmph)	006	013	009	008	005
Wind direction (deg)	173	129	206	189	97

# Karnataka

STATE : KARNATAKA

PARAMETERS	WEATHER FCST				
	DAY-1 16/04/2019	DAY-2 17/04/2019	DAY-3 18/04/2019	DAY-4 19/04/2019	DAY-5 20/04/2019

DISTRICT : KOLAR

Rainfall (mm)	0	0	5	13	17
Max Temperature ( deg C)	38	38	38	38	37
Min Temperature ( deg C)	23	24	26	26	25
Total cloud cover (octa)	0	2	3	5	5
Max Relative Humidity (%)	51	70	63	69	72
Min Relative Humidity (%)	13	17	29	30	31
Wind speed (kmph)	011	014	010	008	012
Wind direction (deg)	207	198	202	243	205

DISTRICT : TUMKUR

Rainfall (mm)	4	6	5	14	3
Max Temperature ( deg C)	40	38	38	39	39
Min Temperature ( deg C)	23	24	25	25	25
Total cloud cover (octa)	1	3	3	3	3
Max Relative Humidity (%)	66	62	63	56	54
Min Relative Humidity (%)	14	22	26	20	18
Wind speed (kmph)	010	008	009	013	008
Wind direction (deg)	240	254	240	241	229

DISTRICT : HASSAN

Rainfall (mm)	0	13	4	0	0
Max Temperature ( deg C)	36	36	34	36	36
Min Temperature ( deg C)	21	22	22	22	22
Total cloud cover (octa)	1	2	3	3	2
Max Relative Humidity (%)	81	78	77	64	64
Min Relative Humidity (%)	24	29	32	24	18
Wind speed (kmph)	007	004	004	006	005
Wind direction (deg)	241	291	281	247	271

STATE : KARNATAKA

PARAMETERS	WEATHER FCST				
	DAY-1 16042019	DAY-2 17042019	DAY-3 18042019	DAY-4 19042019	DAY-5 20042019

DISTRICT : BELGAUM

Rainfall (mm)	14	9	0	0	0
Max Temperature ( deg C)	39	35	37	37	37
Min Temperature ( deg C)	23	23	24	24	23
Total cloud cover (octa)	2	2	1	0	0
Max Relative Humidity (%)	75	73	42	34	38
Min Relative Humidity (%)	20	28	18	13	12
Wind speed (kmph)	010	010	010	009	008
Wind direction (deg)	223	271	296	299	278

DISTRICT : BAGALKOTE

Rainfall (mm)	5	0	0	0	0
Max Temperature ( deg C)	41	39	38	40	41
Min Temperature ( deg C)	24	24	24	25	25
Total cloud cover (octa)	2	2	2	0	0
Max Relative Humidity (%)	58	57	41	26	25
Min Relative Humidity (%)	16	23	20	11	10
Wind speed (kmph)	014	016	017	009	009
Wind direction (deg)	259	299	330	267	286

DISTRICT : BIJAPUR

Rainfall (mm)	5	0	0	0	0
Max Temperature ( deg C)	41	39	38	40	41
Min Temperature ( deg C)	26	24	24	25	25
Total cloud cover (octa)	3	2	2	0	0
Max Relative Humidity (%)	49	50	39	24	23
Min Relative Humidity (%)	15	23	19	10	9
Wind speed (kmph)	018	017	020	012	010
Wind direction (deg)	291	311	333	273	239

STATE : KARNATAKA

PARAMETERS	WEATHER FCST				
	DAY-1 16042019	DAY-2 17042019	DAY-3 18042019	DAY-4 19042019	DAY-5 20042019

DISTRICT : GULBARGA

Rainfall (mm)	4	0	3	0	4
Max Temperature ( deg C)	42	40	40	41	41
Min Temperature ( deg C)	26	26	26	26	27
Total cloud cover (octa)	3	3	2	1	1
Max Relative Humidity (%)	33	37	33	24	33
Min Relative Humidity (%)	15	18	18	11	10
Wind speed (kmph)	014	011	017	010	015
Wind direction (deg)	158	179	333	183	224

DISTRICT : BIDAR

Rainfall (mm)	3	0	0	0	0
Max Temperature ( deg C)	41	39	38	39	40
Min Temperature ( deg C)	25	23	23	25	25
Total cloud cover (octa)	4	3	3	0	1
Max Relative Humidity (%)	32	43	37	18	39
Min Relative Humidity (%)	15	18	19	12	9
Wind speed (kmph)	010	010	019	011	010
Wind direction (deg)	27	48	346	8	173

DISTRICT : KOPPAL

Rainfall (mm)	4	0	0	3	0
Max Temperature ( deg C)	40	38	40	41	41
Min Temperature ( deg C)	24	25	26	26	26
Total cloud cover (octa)	2	2	2	0	0
Max Relative Humidity (%)	63	59	44	27	28
Min Relative Humidity (%)	18	23	22	12	10
Wind speed (kmph)	017	012	012	013	012
Wind direction (deg)	248	301	330	306	284

STATE : KARNATAKA

PARAMETERS	WEATHER FCST				
	DAY-1 16042019	DAY-2 17042019	DAY-3 18042019	DAY-4 19042019	DAY-5 20042019

DISTRICT : DEVANGERE

Rainfall (mm)	4	3	0	0	0
Max Temperature ( deg C)	40	38	39	40	40
Min Temperature ( deg C)	23	23	24	24	24
Total cloud cover (octa)	2	2	2	0	0
Max Relative Humidity (%)	83	77	66	43	55
Min Relative Humidity (%)	21	29	28	14	12
Wind speed (kmph)	015	012	008	014	011
Wind direction (deg)	261	255	236	235	221

DISTRICT : CHITRADURGA

Rainfall (mm)	4	0	3	0	0
Max Temperature ( deg C)	41	39	40	41	41
Min Temperature ( deg C)	23	24	26	26	24
Total cloud cover (octa)	1	2	2	1	1
Max Relative Humidity (%)	72	64	58	39	45
Min Relative Humidity (%)	15	24	23	13	14
Wind speed (kmph)	016	011	011	017	014
Wind direction (deg)	267	270	272	249	237

DISTRICT : GADAG

Rainfall (mm)	0	0	0	0	0
Max Temperature ( deg C)	40	37	37	39	40
Min Temperature ( deg C)	21	23	24	24	23
Total cloud cover (octa)	2	2	2	0	0
Max Relative Humidity (%)	73	67	54	29	35
Min Relative Humidity (%)	18	25	24	12	10
Wind speed (kmph)	018	015	012	008	009
Wind direction (deg)	242	288	319	288	263



STATE : KARNATAKA

PARAMETERS	WEATHER FCST				
	DAY-1 16042019	DAY-2 17042019	DAY-3 18042019	DAY-4 19042019	DAY-5 20042019

DISTRICT : BELLARY

Rainfall (mm)	4	3	0	7	3
Max Temperature ( deg C)	42	40	41	42	41
Min Temperature ( deg C)	25	26	27	28	28
Total cloud cover (octa)	2	2	2	1	0
Max Relative Humidity (%)	69	63	50	32	36
Min Relative Humidity (%)	17	24	22	12	11
Wind speed (kmph)	017	012	010	013	013
Wind direction (deg)	250	288	309	267	256

DISTRICT : MANDYA

Rainfall (mm)	0	4	8	17	6
Max Temperature ( deg C)	37	37	36	37	37
Min Temperature ( deg C)	23	24	24	24	24
Total cloud cover (octa)	1	2	4	6	5
Max Relative Humidity (%)	74	69	69	69	65
Min Relative Humidity (%)	17	20	29	27	20
Wind speed (kmph)	008	005	003	010	004
Wind direction (deg)	231	207	230	267	232

DISTRICT : BANGALORE-RURAL

Rainfall (mm)	0	4	11	14	29
Max Temperature ( deg C)	37	37	36	37	37
Min Temperature ( deg C)	24	25	24	25	24
Total cloud cover (octa)	0	3	4	5	5
Max Relative Humidity (%)	62	64	66	69	67
Min Relative Humidity (%)	14	21	29	28	23
Wind speed (kmph)	008	007	006	013	006
Wind direction (deg)	214	215	230	256	222

STATE : KARNATAKA

PARAMETERS	WEATHER FCST				
	DAY-1 16042019	DAY-2 17042019	DAY-3 18042019	DAY-4 19042019	DAY-5 20042019

DISTRICT : MYSORE

Rainfall (mm)	15	26	44	34	4
Max Temperature ( deg C)	36	36	36	37	37
Min Temperature ( deg C)	23	24	24	24	24
Total cloud cover (octa)	1	2	5	6	5
Max Relative Humidity (%)	83	79	76	78	74
Min Relative Humidity (%)	21	26	31	30	25
Wind speed (kmph)	007	005	004	008	003
Wind direction (deg)	234	197	229	259	227

## Prices of Major Commodities

(Source: agmarknet.gov.in, 14 04 2019 report)

### Rajasthan (Commodity-wise, Market wise)

Market	Variety	Minimum Prices	Maximum Prices	Modal Prices	Unit of Price
<b>Group:Cereals</b>					
<b>Bajra(Pearl Millet/Cumbu)</b>					
Bandikui	Other	1890	1960	1925	Rs/Quintal
<b>Barley (Jau)</b>					
Bandikui	Other	1560	1660	1610	Rs/Quintal
Beawar	Other	1700	1725	1712	Rs/Quintal
Goluwala	Other	1386	1531	1495	Rs/Quintal
Surajgarh	Other	1600	1600	1600	Rs/Quintal
<b>Jowar(Sorghum)</b>					
Beawar	Other	2150	2700	2425	Rs/Quintal
<b>Maize</b>					
Beawar	Other	2250	2400	2325	Rs/Quintal
<b>Wheat</b>					
Bandikui	Other	1650	1795	1723	Rs/Quintal
Goluwala	147 Best	1831	1840	1840	Rs/Quintal
<b>Group:Fibre Crops</b>					
<b>Cotton</b>					
Goluwala	American	6041	6105	6081	Rs/Quintal
<b>Group:Fruits</b>					
<b>Apple</b>					
Jalore	Apple	6800	7000	6900	Rs/Quintal
<b>Banana</b>					
Jalore	Banana - Ripe	2800	3000	2900	Rs/Quintal
<b>Chikoos(Sapota)</b>					
Jalore	Other	2300	2500	2400	Rs/Quintal
<b>Grapes</b>					
Jalore	Green	4300	4500	4400	Rs/Quintal
<b>Karbuja(Musk Melon)</b>					
Jalore	Karbhuja	1000	1200	1100	Rs/Quintal
<b>Papaya</b>					

Jalore	Other	800	1000	900	Rs/Quintal
<b>Pomegranate</b>					
Jalore	Other	2800	3000	2900	Rs/Quintal
<b>Group:Oil Seeds</b>					
<b>Mustard</b>					
Bandikui	Other	3350	3543	3447	Rs/Quintal
Beawar	Other	3350	3400	3375	Rs/Quintal
Goluwala	Other	3300	4200	3370	Rs/Quintal
<b>Taramira</b>					
Bandikui	Other	3700	3720	3710	Rs/Quintal
<b>Group:Pulses</b>					
<b>Bengal Gram(Gram)(Whole)</b>					
Bandikui	999	4040	4180	4110	Rs/Quintal
<b>Guar Seed(Cluster Beans Seed)</b>					
Goluwala	Other	3920	4160	4050	Rs/Quintal
<b>Group:Spices</b>					
<b>Cummin Seed(Jeera)</b>					
Beawar	Other	13500	16000	14750	Rs/Quintal
<b>Garlic</b>					
Jalore	Other	2800	3000	2900	Rs/Quintal
<b>Group:Vegetables</b>					
<b>Bhindi(Ladies Finger)</b>					
Jalore	Other	2800	3000	2900	Rs/Quintal
<b>Bitter gourd</b>					
Jalore	Other	2300	2500	2400	Rs/Quintal
<b>Bottle gourd</b>					
Jalore	Other	1300	1500	1400	Rs/Quintal
<b>Brinjal</b>					
Jalore	Other	1000	1200	1100	Rs/Quintal
<b>Cabbage</b>					
Jalore	Other	500	700	600	Rs/Quintal
<b>Capsicum</b>					
Jalore	Other	2800	3000	2900	Rs/Quintal
<b>Cauliflower</b>					
Jalore	Other	1300	1500	1400	Rs/Quintal
<b>Coriander(Leaves)</b>					
Jalore	Other	3300	3500	3400	Rs/Quintal
<b>Cucumbar(Kheera)</b>					
Jalore	Other	1600	1800	1700	Rs/Quintal

<b>Ginger(Green)</b>					
Jalore	Other	4800	5000	4900	Rs/Quintal
<b>Green Chilli</b>					
Jalore	Other	1800	2000	1900	Rs/Quintal
<b>Guar</b>					
Beawar	Other	4000	4050	4025	Rs/Quintal
Surajgarh	Other	4150	4150	4150	Rs/Quintal
<b>Lemon</b>					
Jalore	Other	4300	4500	4400	Rs/Quintal
<b>Onion</b>					
Jalore	Other	500	700	600	Rs/Quintal
Padampur	Local	400	500	500	Rs/Quintal
Rajasamand	Onion	700	900	800	Rs/Quintal
Sangriya	Onion	400	400	400	Rs/Quintal
<b>Peas Wet</b>					
Jalore	Other	3800	4000	3900	Rs/Quintal
<b>Potato</b>					
Jalore	Other	500	700	600	Rs/Quintal
Padampur	Desi	800	800	800	Rs/Quintal
<b>Tinda</b>					
Jalore	Other	3800	4000	3900	Rs/Quintal
<b>Tomato</b>					
Jalore	Other	500	700	600	Rs/Quintal
Padampur	Local	1500	1600	1600	Rs/Quintal
Rajasamand	Tomato	600	1000	800	Rs/Quintal

## Andhra Pradesh (Commodity-wise, Market wise)

Market	Variety	Minimum Prices	Maximum Prices	Modal Prices	Unit of Price
<b>Group:Cereals</b>					
<b>Jowar(Sorghum)</b>					
Allagadda	Jowar ( White)	1900	2430	2100	Rs/Quintal
<b>Maize</b>					
Nandikotkur	Hybrid	1700	1700	1700	Rs/Quintal
<b>Paddy(Dhan)(Common)</b>					
Allagadda	Sona	1800	2100	1950	Rs/Quintal
Atmakur	Sona Mahsuri	1750	1750	1750	Rs/Quintal

Group:Pulses					
<b>Bengal Gram(Gram)(Whole)</b>					
Nandikotkur	Gulabi	4620	4620	4620	Rs/Quintal
Group:Vegetables					
<b>Onion</b>					
Pattikonda	Local	700	900	800	Rs/Quintal
<b>Tomato</b>					
Mulakalacheruvu	Local	500	1500	700	Rs/Quintal
Pattikonda	Local	3500	4000	3800	Rs/Quintal
Vayalapadu	Local	800	3400	1600	Rs/Quintal

## Karnataka (Commodity-wise, Market wise)

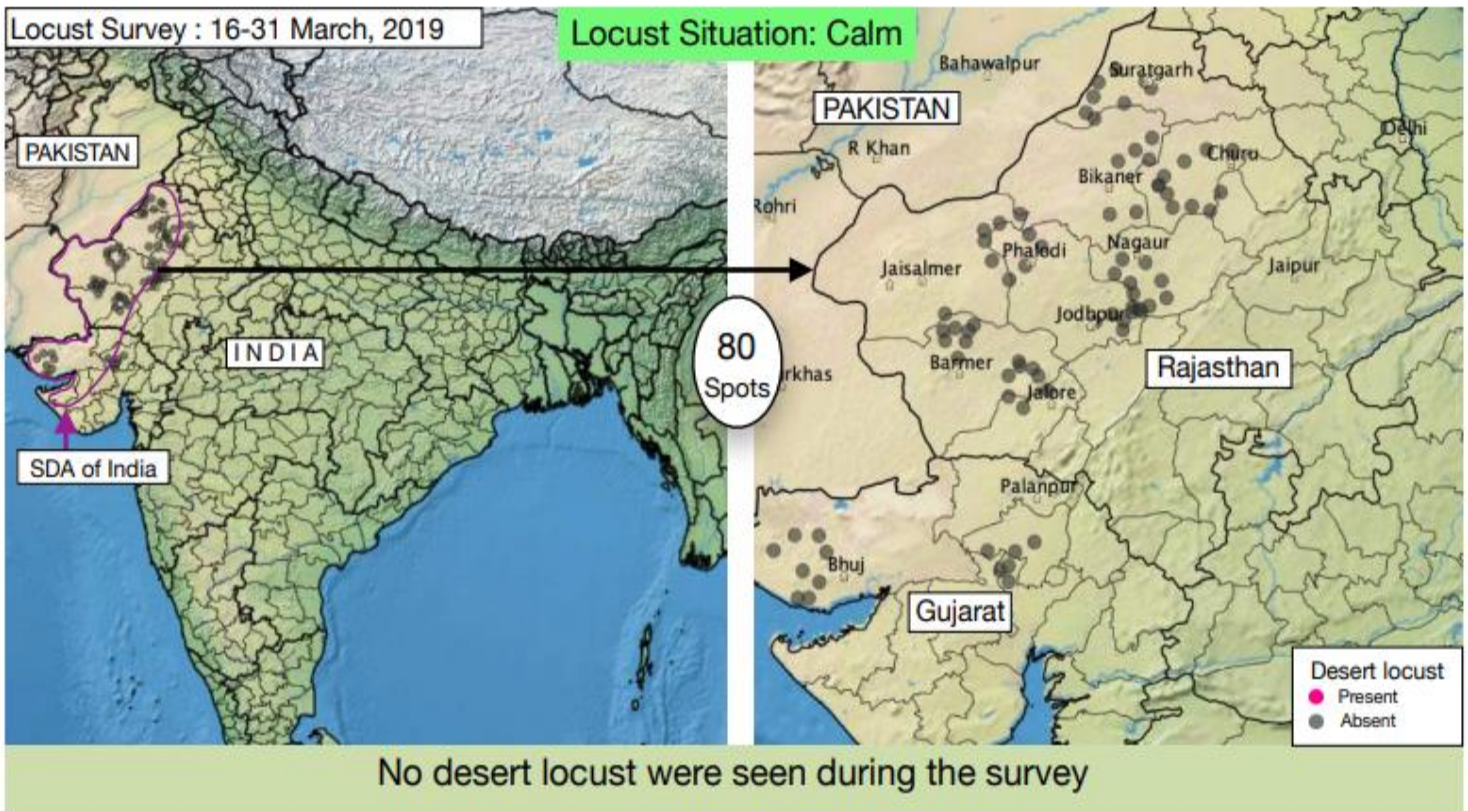
Market	Variety	Minimum Prices	Maximum Prices	Modal Prices	Unit of Price
Group:Cereals					
<b>Rice</b>					
Chintamani	Hansa	2000	2500	2300	Rs/Quintal
	Sona	3500	6000	4500	Rs/Quintal
Group:Pulses					
<b>Beans</b>					
Kolar	Beans (Whole)	6000	7000	6500	Rs/Quintal
Group:Spices					
<b>Coconut</b>					
Hiriyur	Grade-I	10000	10000	10000	Rs/Quintal
<b>Garlic</b>					
Chintamani	Garlic	2600	3600	2800	Rs/Quintal
Group:Vegetables					
<b>Beetroot</b>					
Kolar	Beetroot	1800	2000	1900	Rs/Quintal
<b>Brinjal</b>					
Kolar	Brinjal	1500	2000	1700	Rs/Quintal
<b>Cabbage</b>					

Kolar	Cabbage	1000	1400	1200	Rs/Quintal
<b>Carrot</b>					
Kolar	Carrot	2000	2400	2200	Rs/Quintal
<b>Cauliflower</b>					
Kolar	Local	1400	1800	1600	Rs/Quintal
<b>Chapparad Avare</b>					
Kolar	Chapparada Avarekai	2000	2500	2300	Rs/Quintal
<b>Coriander(Leaves)</b>					
Chintamani	Local	5500	8000	7500	Rs/Quintal
<b>Knool Khol</b>					
Kolar	Knool Khol	1000	1400	1200	Rs/Quintal
<b>Onion</b>					
Chintamani	Local	600	800	700	Rs/Quintal
<b>Potato</b>					
Chintamani	Local	800	1500	1000	Rs/Quintal
<b>Raddish</b>					
Kolar	Raddish	800	1200	1000	Rs/Quintal
<b>Ridgeguard(Tori)</b>					
Kolar	Ridgeguard(Tori)	3000	3500	3300	Rs/Quintal
<b>Tomato</b>					
Chintamani	Tomato	533	2466	1333	Rs/Quintal
Kolar	Hybrid	400	2000	1200	Rs/Quintal
	Tomato	533	2667	1600	Rs/Quintal

# Locust situation

(Sources: PPQ&S, DAC&FW)

**LOCUST SITUATION:** During the routine survey, it has been observed that India continues to be free from gregarious as well as solitary desert locust activities during the 2nd fortnight of March, 2019. A total of 80 nos. of spots were observed during the surveys which are plotted on the map.

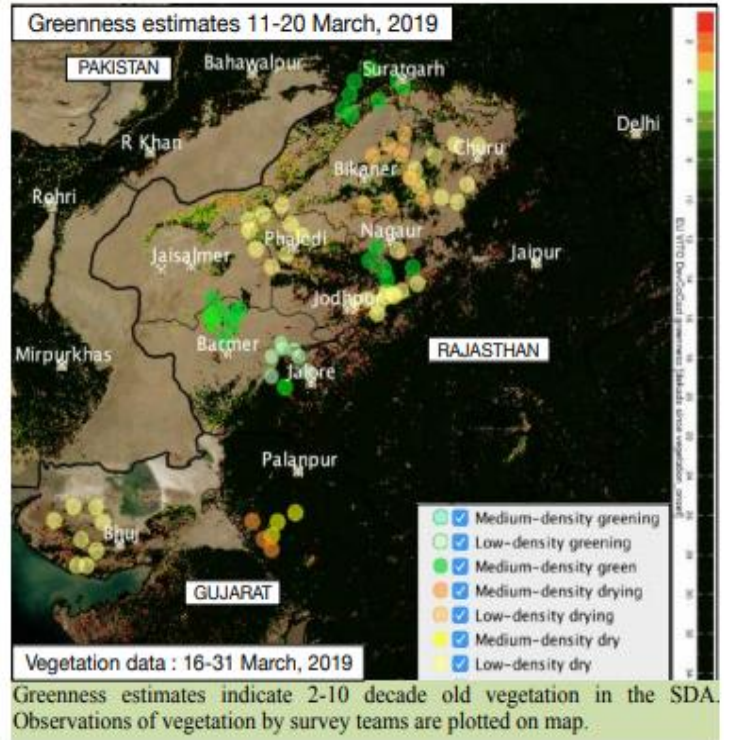
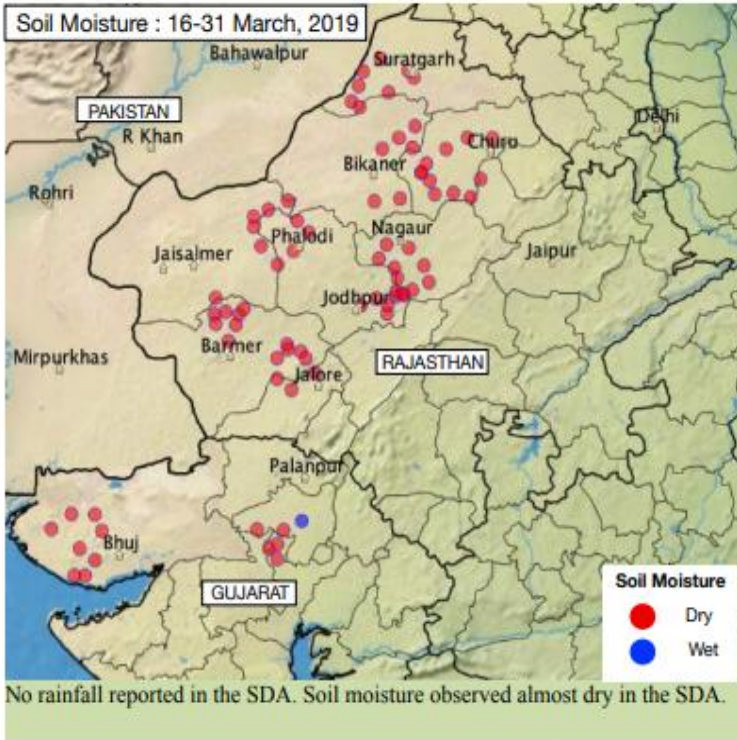


Swarm movement	:	Nil
Breeding	:	Nil
Hoppers	:	Nil
Scattered / Isolated adult	:	Nil

**WEATHER AND ECOLOGY:** No rainfall was reported in the Scheduled Desert Area of India. Greenness estimates of 2nd decade of March, 2019 indicate 2-10 decade old



vegetation in the SDA. Survey teams observed green vegetation in the surveyed areas of Barmer, Jalore, Nagaur & Suratgarh and dry/drying at Jodhpur, Bikaner, Churu, Phalodi, Palanpur and Bhuj. Soil moisture observed almost dry.



**PREPAREDNESS:** India is prepared with sufficient trained man-power, vehicles, plant protection (P.P.) equipments, pesticides; and 11 activated eLocust. 3 units for locust surveys/population monitoring and control operation.

# Animal Husbandry advisory

*(Source: Pashupalak calendar (April), the Department of Animal Husbandry, Dairying and Fisheries, Ministry of Agriculture, Government of India)*

- This month is characterized by high temperatures, the resultant effects of which on animals is dehydration, a decrease in body salts and appetite, a drop in production etc. It is, therefore, imperative to protect the animals from these high temperatures.
- Draught animals should be allowed to rest in a shaded and airy spot during the afternoon till about four 'o clock in the evening.
- Due attention should be given to arrangements for provision of water to animals. The drinking troughs should be kept clean and animals should be provided water at least four times during the day.
- Some male animals get agitated due to the heat, effects of which are more visible during the night time. Livestock rearers should be cognizant and take care of this.
- Look for signs of Mastitis in dairy cattle and treat for it immediately.
- Lambs should be vaccinated against Enterotoxemia and Sheep Pox.
- Pregnant animals (more than 6 months) should be given additional feed.
- During this month the availability of fodder in the pastures is less and general animal nutrition remains low till the onset of monsoons. At such a time, there is a decrease in body salts, especially phosphorus, which results in a disease called 'Pica' (depraved appetite) in animals. It is, therefore, essential to mix salt solution in the mineral blocks fed to the animals.
- Through community effort, ensure that carcasses of dead animals are not discarded on the regular grazing routes of the animals.
- Such areas should be cordoned off so that the remains of dead animals are not ingested by the live animals, which can result in Botulism which is untreatable and results in the death of the animal.
- Maize, Bajra and Jowar sown as fodder crops may be harvested after 45- 50 days.