

(Issued jointly by S. D. Agricultural University & Indian Meteorological Department)

Agromet Advisory Bulletin

Aravalli

BULLETIN No. : 10

DATE: 03-05-2019

Past weather summary for the period from: 30-04-2019 to 03-05-2019

Sr. No.	Name of Parameter	Value
1	Rainfall (mm)	0.0
2	Highest Temperature (⁰ C)	042.5
3	Lowest Temperature (⁰ C)	024.8
4	Range of Relative humidity (%)	13 - 57
5	Range of Wind Speed (kmph)	03 - 9
6	Range of Cloud Cover (okta)	0 - 3

Weather Forecast Period: 04-05-2019 to 08-05-2019

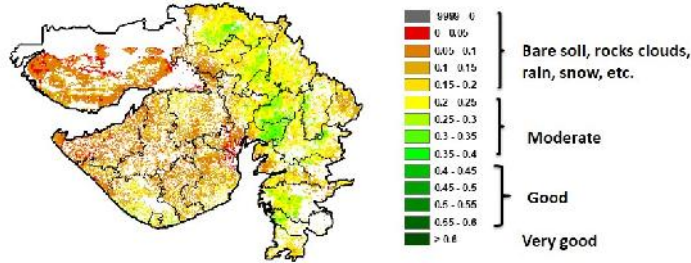
Weather Parameters	Day-1	Day-2	Day-3	Day-4	Day-5
Rainfall (mm)	0	0	0	0	0
Max. Temp trend (⁰ C)	41	40	41	41	41
Min. Temp trend (⁰ C)	27	28	27	26	26
Total Cloud cover (Octa)	2	4	0	0	0
Max Relative humidity (%)	50	55	56	47	48
Min. Relative humidity (%)	11	11	11	14	10
Wind Speed (Kmph)	16	18	14	15	14
Wind direction (Degree)	244	256	258	297	277

General advice	As per IMD weather forecast for next five days, sky will remain partly cloudy during forecasted period and no rainfall would occur. Maximum and minimum temperatures will be in between 40-41 ⁰ C and 26-28 ⁰ C respectively. Relative humidity will be in between 10-56% during the period. Wind will be blow with the speed of 14-18 km/hr. Timely apply irrigation in summer crops during flowering stage under hot and dry weather condition. Store the food grain in well ventilated storage houses after sun drying.		
Crop	Stage	Pest/disease	Advisory
Groundnut (S)	Pegging	- Spodiptera/ Helicoverpa	Do not carry out weeding and inter culturing practices during these stages. Under higher temperature and moderately dry condition keep 5 to 7 days interval of irrigation. Under limited water condition crop should be irrigated during pegging stage without fail. For the control of spodiptera/helicoverpa spray qunalphose 20ml/10 lit. water.
Sesame (S)	Vegetative	Thrips, White fly	To control thrips spray neem oil 50 ml and profenofos 50 % EC@ 20 ml/10 lit of water.
Pearlmillet (S)	Flag leaves / ear head emergence	-	Carry out topdressing of remaining 40% dose of nitrogen @ 24 kg /ha at 45 days after sowing. Irrigate the crop at 8 to 10 days interval in high temperature and moderately dry condition. There should not be water shortage during flag leaves and ear head stages.
Cluster bean	Vegetative	-	In higher temperature condition apply second irrigation at 25 DAS. Carry out weeding and inter culturing operations to conserve soil moisture.
Green gram/ Cow pea (S)	Flowering	-	Irrigate crop during flower initiation stage under high temperature and moderately dry condition. Keep 11 to 12 days interval of irrigation.
Vegetables Brinjal and Ladies finger	Flowering & fruiting	Shoot and fruit borer	Irrigate the crops regularly under higher temperature. Spray of monocrotophos 0.04% @ 12 ml in 10 lit of water to manage shoot and fruit borer in brinjal and ladies finger.

Fruits	Fruit development	-	Under high temperature and moderately dry condition timely irrigate orchard viz., Mango, citrus, sapota and paramagnet which are in fruit development stage.
Livestock	-	-	Put curtains on south-west side of poultry house and sprinkle water on curtains during noon time.

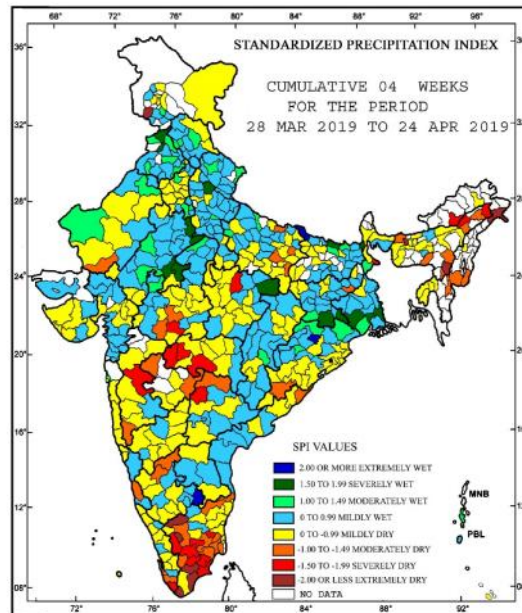
NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 16
(15.04.2019 to 21.04.2019) over Agricultural region

Gujarat



Agriculture vigor is moderate over isolated parts of the Gujarat region.

MINISTRY OF EARTH SCIENCES
INDIA METEOROLOGICAL DEPARTMENT
HYDROMET SECTION, PUNE



Technical Officer (GKMS)
AMFU, Dantiwada (Gujarat)

Nodal Officer (GKMS)
AMFU, Dantiwada (Gujarat)