

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

Agromet Advisory Bulletin

SABARKANTHA

BULLETIN No. : 47

DATE: 11-09-2020

Past weather summary for the period from: 08-09-2020 to 11-09-2020

Sr. No.	Name of Parameter	Value
1	Rainfall (mm)	0.0
2	Highest Temperature (⁰ C)	35.4
3	Lowest Temperature (⁰ C)	25.5
4	Range of Relative humidity (%)	56-95
5	Range of Wind Speed (kmph)	0-6
6	Range of Cloud Cover (okta)	0-8

Weather Forecast Period: 12-09-2020 to 16-09-2020

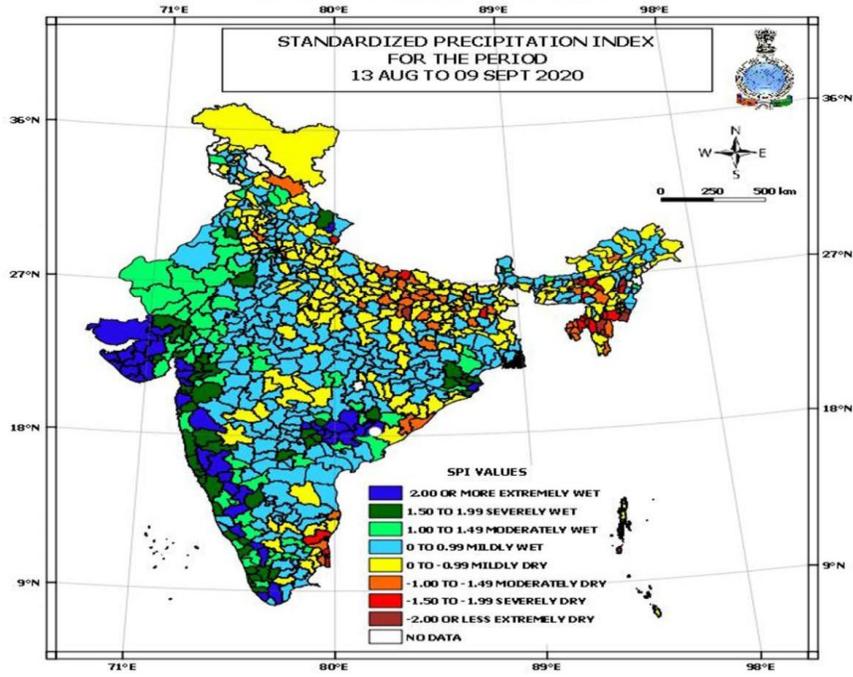
Weather Parameters	Day-1	Day-2	Day-3	Day-4	Day-5
Rainfall (mm)	2	1	0	0	18
Max. Temp trend (⁰ C)	36	36	36	35	35
Min. Temp trend (⁰ C)	27	27	27	27	26
Max Relative humidity (%)	78	82	81	80	92
Min. Relative humidity (%)	48	59	52	54	53
Wind Speed (Kmph)	8.5	12.4	12	12	10.3
Wind direction (Degree)	292	291	289	288	251
Total Cloud cover (Octa)	7	8	8	8	8

Gujarat region is likely to receive excess rainfall during subsequent one week 16 - 22 September 2020.

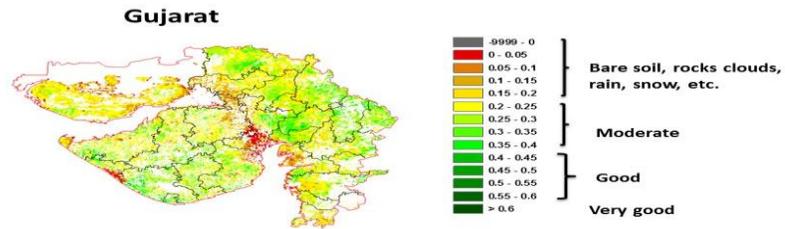
General advice	<p>As per IMD weather forecast for next five days, sky will remain mainly cloudy and light to moderate rainfall would occur. Maximum and minimum temperatures will be in between 35-36 ⁰C and 26-27 ⁰C respectively. Relative humidity will be in between 48-92 % during the period. Wind will be blow with the speed of 8-12 km/hr.</p> <p>Farmers are advised to carry out hand weeding and interculturing operations at vapsa condition and apply split recommended dose of fertilizer. Farmers are advised to monitor their crops regularly and take plant protection measures according to weather condition. For control of Initial condition of insect pest apply neem based insecticide and Beauveria bassiana in clear sky condition. Farmers are also advised to follow the government guidelines, take precaution measures while handling agri- equipments in field and maintain social distance during farm work under covid-19 pandemic condition.</p>		
Crop	Stage	Pest/disease	Advisory
Castor	Growing	 Sucking pests	Remove infested leaves and destroy it. After destroying the leaf, If there is more infestation then spray Cypermethrin @ 5 ml per 10 litres of water in clear sky condition. Carry out weeding and interculturing operation at vapsa condition.
Hybrid/ B.T. cotton	Squaring/ Flower initiation/Ball development	 Root rot	Mix Carbendazim 50 WP @ 10 gm or Copper Oxychloride 20 gm in 10 liters of water and apply in the root zone around the wilting plants.
Green gram	Flower/Pod development/Maturity	-	Carry out Picking if pod are dry and matured.

Groundnut	Pegging / Pod development	 Collar rot/stem rot	Apply trichoderma spp. @ 2.5 kg with Castor cake @ 500 kg/ha. If there is more infestation apply carbendazim 0.05% @ 15 g/pump as a drenching during dry spell. Avoid interculturing operation in crop during pegging stage.
Maize	Reproductive	 Fall army Worm	Install light trap 1/ha. For biological control apply spray of beauveria bassiana or metarhizium anisoplae @ 40 g/ 10 liter of water. Larvae not feeding those leaves where sprayed neem based insecticide. Spray neem seed kernel powder @ 500g (5% extract) or neem oil @ 30 to 40 ml with washing powder @ 10 g in 10 liter of water.
Pearl millet	Booting	 Blast	Apply split dose of nitrogen at sufficient moisture. Carry out twice spraying of carbendazim 50 WP 10 g in 10 liters of water between 15-20 days interval for control of blast disease.
Cluster bean	Vegetative/ Flowering	Bacterial blight	To control bacterial blight disease spray of Mancozeb @ 25g in 10 liter water is advised.
Pigeon pea	Vegetative	-	Carry out interculturing operation at vapsa condition.
Fennel	Vegetative	-	Apply split dose of nitrogen 60 kg/ha at 30 DAS.
Sesame	Capsule formation/ development	 Phyllody	This disease is transmitted by jassids, remove and destroy the infected plants.
Citrus	-	 Lemon Butterfly	Hand picking and destroy the larvae from the orchard. Spray neem seed kernel extract 500 g (5%) in 10 liter water at intial stage of pest.
Brinjal	Flowering/ Fruiting	Shoot and fruit borer	Regularly monitor for borer by using 4-6 pheromone traps per acre. Infested shoots and fruits should collected and buried into the soil.
Tomato	Vegetative	-	Carry out interculturing and weeding operations and gap filling in transplanted crops.
Cattle	-	-	Keep animal indoor in rainy condition. Keep fodder at safe place to avoid spoilage from rainfall. Spray phenyl in the animal shed to avoid flies and mosquitos. For control of tick and other parasite, spay chemicals as per prescription of nearest animal clinic.

MINISTRY OF EARTH SCIENCES
INDIA METEOROLOGICAL DEPARTMENT
HYDROMET SECTION, CRS PUNE



NOAA/VIIRS/BLENDED NDVI Composite ending on Week no 36
(02.09.2020 to 08.09.2020) over Agricultural region



Agricultural Vigour is moderate the state.

Source: <https://www.star.nesdis.noaa.gov>

Nodal Officer (GKMS)
AMFU, Dantiwada (Gujarat)