

GRAMIN KRISHI MAUSAM SEWA (GKMS)
AGRO-METEOROLOGY DIVISION
Dr. Rajendra Prasad Central Agricultural University, Pusa
Samastipur, Bihar -848 125



Bulletin No. 44

Date: Friday, 22 June, 2018

Phone No : 06274-240266

Weather during the previous forecast period

According to meteorological data recorded at Agro meteorological Observatory, Pusa (Bihar), average maximum and minimum temperature were 39.1°C and 26.9°C respectively. Average relative humidity was 81 percent at 0700 hrs. and 51 percent at 1400 hrs. Soil temperature at 5 cm depth was 30.3°C at 0700 hrs. and 38.4°C at 1400 hrs. Average wind speed, daily sunshine hours and average daily evaporation were 5.9 km/hr, 8.7 hours and 5.8 mm respectively. Mainly dry weather prevailed north Bihar districts. High temperature (*loo* like condition) and mainly dry weather prevailed all over Bihar. Begusarai district recorded light to medium rainfall with high velocity wind.

Medium Range Weather Forecast
(23 - 27 June, 2018)
(Begusarai)

Weather parameters	23 June	24 June	25 June	26 June	27 June	Remarks
Rainfall(mm)	5	5	5	20	20	Light to medium rainfall
Max. T (°C)	37	37	36	35	34	Maximum temperature will remain between 34-37°C and the minimum between 26-29°C.
Mini. T (°C)	28	29	29	27	26	
Cloud cover (okta)	4	6	7	7	6	Cloudy sky
Max Relative Humidity (%)	75	80	90	95	95	
Min Relative Humidity (%)	45	50	60	65	70	
Wind speed (kmph)	10	10	15	10	15	
Wind direction(deg)	Westerly	Westerly	Easterly	Easterly	Easterly	Westerly/ Easterly

Advisory for the farmers

Crop	Phenophases	Advisory (Based on weather forecast)
Rice	–	In the forecast period, there is ample chance that there would be good rainfall across north Bihar districts. In view of this, farmers are advised to prepare the bunds of their fields so that they may collect rainwater in the fields for puddling operation for rice transplantation.
Vegetables	Sowing	Weather is congenial for sowing of kharif vegetables. Farmers are advised to apply fertilizers based on soil test. If such test has not been done in their field, they are suggested to apply 20-25 tonnes of cow dung per hectare. Also apply 60 kg N, 50 Phosphorus and 40 kg potassium per hectare.
Summer maize	Harvesting	In view of widespread rainfall activity in north Bihar districts during the forecast period, farmers are advised to take precaution in harvesting /threshing of summer maize.
Kharif onion	Nursery preparation	<ul style="list-style-type: none"> • Nursery preparation is advised for <i>kharif</i> onion. Application of FYM/compost is also advised in nursery for healthy seedlings. <i>Agri Found Dark Red (ADR), N-53, Bhima super, Arka kalyan</i> are recommended varieties for <i>kharif</i> onion. Nursery should be covered by net at the height of 6-7 feet for protection against sun/rainfall. • Weeding is advised in 20-30 days old onion seedlings and thereafter light irrigation is required. However, in view of rainfall forecast, stop irrigation.
Animal	-	Vaccination of cattles is advised against Anthrax, Black Quarter etc. Farmers are advised to feed their cattle Ecolite oral and sacolite D mixing with water to offset the bad impact of hot condition.
Bhindi	Sowing	Farmers are advised to plant <i>bhindi</i> crop. <i>Arka Abhay, Pant bhindi 1</i> and <i>Kashi Leela</i> are recommended varieties for sowing in north Bihar districts. Against fruit borer and mosaic, spray of Malathion@2.0 to 2.5 ml per litre of water at an interval of 15 days is advised.

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