



**GRAMIN KRISHI MAUSAM SEWA**  
**District Agromet Advisory Service**  
**Western Undulating Zone, Odisha**  
**Regional Research & Technology Transfer Station (RRTTS),**  
**Bhawanipatna, Dist : Kalahandi, Odisha – 766001**  
*(Orissa University of Agriculture & Technology)*



**WEEK NO.22**

**Bulletin No.40/2019**

**Friday/Dt.31.05.2019**

**Weather Condition recorded at AMFU Bhawanipatna from 25.05.19 to 31.05.19**

Weekly Rainfall (mm) and rainy days	4.6 mm
Cumulative Rainfall (mm) and rainy day (w.e.f. 01.01.2019)	76.3 and 07
Mean weekly maximum temperature (°C)	42.4
Mean weekly minimum temperature (°C)	28.0

**Weather Forecasting Up to 05.06.2019 for Kalahandi District:**

According to IMD Bhubaneswar light rain is expected from 01.06.2019 to 04.06.2019 at some places. Cumulative 20 mm rain is expected during the above five days period. Sky may remain partly cloudy from 01.06.2019 to 05.06.2019. Wind may blow from South-West direction with speed of 007-013 km/hr. Maximum temperature may vary around 41-42°C and minimum temperature around 26-27°C. Maximum RH expected to vary between 58-71% and minimum RH between 18 – 19%.

DISTRICT	Date	Rainfall (mm)	T-MAX (°C)	T-MIN (°C)	Cloud Cover	Rh Max (%)	Rh Min (%)	Wind speed (kmph)	Wind Direction (deg)
KALAHANDI	1/6/2019	7	42	27	4	58	19	7	195
	2/6/2019	5	41	26	4	62	18	13	210
	3/6/2019	5	42	27	4	63	19	9	184
	4/6/2019	3	41	27	4	61	18	9	194
	5/6/2019	0	42	27	4	71	18	11	181

**Agro met – Advisory Bulletin for Kalahandi District**

Light rain was realized last week in the district at some places. Standardized precipitation index for the period 02.05.2019 to 29.05.2019 showed mildly dry condition in the district and NDVI for the period 20.05.2019 to 26.05.2019 showed moderate agriculture vigour. As extended range rainfall forecast from 31.05.2019 to 13.06.2019 showed below normal condition over the district and light rain may occur from 01.06.2019 to 04.06.2019

1. Plan for irrigation in sugarcane and vegetable crops observing the forecasted rain.
2. Spray insecticides or pesticides in crops as per requirement in dry days.
3. Carry out harvesting of the matured crops and carry the harvested produce from field to covered threshing floor or safe place.
4. Go for summer ploughing the land after the rain.
5. Apply mulches in row crops and around the fruit plants to maintain high moisture status in the soil.
6. If there is possibility of water shortage, irrigate the row crops in alternate rows.
7. Take step for collection of Kharif seeds in time. Keep the inputs ready for sowing.
8. Below normal rainfall may prevail upto 13.06.2019 wait for good shower of rain for sowing cotton, Arhar and maize.

**Kharif planning :**

1. Collect the soil samples from crop field and submit for testing at nearest soil testing laboratory. Consult your Asst. Agriculture Officer with soil test report before applying fertilizer to crops.
2. Go for non paddy crops in the un banded upland and take up sowing as soon as monsoon rain occurs to avoid terminal drought.
3. Select short duration varieties like Sahabhagi, Khandagiri, Udaigiri, Kalinga-3, Jyotirmayee, Mandakini etc. for

bonded upland and medium duration rice varieties like MTU-1010, Lalat, Konarka, RGL-2538, Chandan, Surendra, Naveen, MTU-1001, Manaswini, Surendra, Tapaswini, etc. in medium land and medium late duration varieties like Tejaswini, Hiranmayee, Satyakrishna, Pratikshya, Ranidhan, Mrunalini, Pooja, MTU-7029, RGL-2537, Ranjeet etc. in low land.

4. Collect improved and HYV and hybrid non paddy seeds of cotton, Arhar, maize etc. from license holder seed dealer or govt. sale centers.
5. The HYV cotton varieties are Suraj, Supriya, Surabhi and seed rate is 1.4kg/acre. Collect the hybrids like Bunny, Diana, Bhaskra, Namaskara, Tulasi, Sigma, Chiruta, Takat etc @500g/acre. For high density Planting system (HDPS) the seed rate is 5kg/acre and varieties suitable are Suraj and Supriya.
6. Collect the Arhar seeds like Asha, Laxmi, UPAS-120, ICPL-88039 @ 8kg seeds per acre.
7. Collect maize varieties Shakti-1, Navjot etc @6kg/acre and hybrids like Megan-G, Megan, MM- 1107, Highshell, Prabal, Proagro 4643, Bio9681, Pinnacle, DMH-7705 @ 8kg/acre.
8. Go for line sowing of rice followed by early weeding and weeding. This will avoid the rainfall required for transplanting, and over-aged seedlings, if transplanted late. Basal application of Phosphorus (P) and Potash (K) fertilizers is advisable in paddy.

#### **Summer Paddy:**

1. The crop is at harvesting stage in main field. Harvesting and threshing is going on.
2. Carry out harvesting of paddy. If crop is harvested keep the crops in safe place.

#### **Sugarcane:**

1. The crop is at vegetative growth (fourteen to sixteen week) stage in main field. Plan to irrigate the crop at ten days interval observing the forecasted rain.
2. Early shoot borer attacks the crop at this stage. Spray profenophos 400ml per care crop area @2ml/lit of water to control the damage.

#### **Pisciculture:**

1. If the water temperature of the pond goes above 30<sup>0</sup> C or water level goes below 1m. depth, farmers are advised to go for early harvest and discontinue fish seed production and culture activity. Fish breeding and culture activity is discouraged.

#### **Animal husbandry:**

1. Temperature will be around 41.0 – 42.0<sup>0</sup>C. Keep the domestic animals indoor or under shade between 11AM to 4.00PM to protect from high temperature.
2. Provide drinking water and rice bran water to the cattle and other domestic animals sufficiently.
3. Hang gunny bags around the walls of poultry house and sprinkle water on the bags to protect the birds from heat wave.

**Nodal Officer**  
**GKMS, RRTTS, Bhawanipatna.**