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Regional Research & Technology Transfer Station (RRTTS),
Bhawanipatna, Dist : Kalahandi, Odisha – 766001
(Orissa University of Agriculture & Technology)
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WEEK NO.41

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Weather Condition recorded at AMFU Bhawanipatna from 06.10.18 to 12.10.18

Weekly Rainfall (mm) and rainy days	72.0 and 02
Cumulative Rainfall (mm) and rainy day (w.e.f. 01.01.2018)	1739.6 and 57
Mean weekly maximum temperature (°C)	31.0
Mean weekly minimum temperature (°C)	21.0

Weather Forecasting Up to 17.10.2018 for Kalahandi District:

According to IMD Bhubaneswar moderate rain is expected on 13.10.2018 and 15.10.2018 where as light rain on 14.10.2018, 16.10.2018 and 17.10.2018. Cumulative 55mm rain is expected during these periods. Sky may remain mainly cloudy from 13.10.2018 to 17.10.2018. Wind may blow from South-East direction with speed of 002-003 km/hr. Maximum temperature may be around 28-30°C and minimum temperature around 19-20°C. Maximum RH expected to vary between 90 - 95% and minimum RH between 61 - 81%.

DISTRICT	Date	Rainfall (mm)	T-MAX (°C)	T-MIN (°C)	Cloud Cover	Rh Max (%)	Rh Min (%)	Wind speed (kmph)	Wind Direction (deg)
KALAHANDI	13/10/2018	30	28	19	7	95	81	3	155
	14/10/2018	5	29	20	7	95	67	2	128
	15/10/2018	10	30	20	7	94	69	2	146
	16/10/2018	5	30	20	7	92	64	2	158
	17/10/2018	5	30	20	6	90	61	2	176

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Moderate to heavy rain realized at most places last week. As moderate to light rain is expected from 13.10.2018 to 17.10.2018

1. Postpone irrigation to crops.
2. In case of lodging of upland crops like cotton, arhar and maize by the cyclonic rain on 11.10.2018, make the plant straight by earthing up.
3. Collect the rain water in paddy fields to maintain saturation during PI to grain filling stage. Strengthen the field bunds and prevent loss of water from paddy field.
4. Postpone spraying of insecticides or pesticides in crops if not necessary. If necessary mix sticker and take up spraying observing the rain.
5. Keep watch on infestation of Stem borer in paddy.
6. BPH infestation may occur at prevailing weather condition in paddy. Keep watch on the crop field.
7. Cover the vegetable nursery with white polythene.
8. Complete wrapping and propping in sugarcane and provide staking to banana plantation.
9. Collect the rain water in water harvesting structures and farm ponds for future use.
10. Harvest the matured crops and keep in safe place.

Transplanted Paddy:

1. The medium and late duration paddy crop is at panicle emergence to grain maturity (ten to twelve week) stage in main field.
2. Complete fertilizer application and weeding if not done taking the advantage of this cyclonic rain immediately after cessation of rain. Apply 17kg urea and 12kg MOP in medium duration varieties at PI stage of crop. Do not allow water to over flow from the field after fertilizer application for 3-4 days. Keep water in the field upto grain filling stage.
3. The short duration paddy is at grain filling to maturity stage. Drain our water from the field at maturity stage.

4. Stem borer infestation occurs during Pi to soft dough stage.
5. To control Stem borer spraying of Flubendiamide 50ml/acre @ 0.25ml/lit water or Chlorantraniliprole 80ml/acre @ 0.4ml/lit of water or cartrap hydrochloride 400g @ 2g/lit water during afternoon hours.
6. BPH infestation may occurs in this weather condition. To control the BPH drain out water from the field. Follow alternate wetting and drying. Make rows at 2m spacing to enter sunlight below the crop zone. Spray Pymetrozin 50 WG 120g @ 0.6g/lit water or Buprofezin 25SC 400ml @ 2ml/lit water or flonicamid 50WG 80g @ 0.4g/lit water per acre crop area.

Direct Seeded Kharif Rice-

1. Direct seeded rice is at flowering to grain maturity (fourteen to fifteen week) stage. Keep water upto 5cm in field at flowering stage and saturation at grain filling stage.

Cotton:

1. Crop is at boll formation to boll maturity (fourteen to sixteen week) stage.
2. Keep watch on sucking pest like jassida and thrips attack in crops. Spray buprofezin 25% SC 400ml @ 2ml/lit of water.
3. For monitoring movement of boll worms fix five pheromone traps in acre crop field.
4. To control angular leaf spot, spray Copper Oxychloride 500g @ 2.5g/lit water and 1 g Streptocycline 20g @ 0.1g/lit water per acre crop area.

Maize:

1. Crop is at seed formation to maturity (thirteen to fifteen week) stage. Go for earthing up to make the plant straight in case of lodging.

Arhar:

1. Crop is at flower initiation (thirteen to fourteen week) stage.
2. Go for earthing up to make the plant straight in case of lodging.

Sugarcane:

1. The crop is at (thirty two to thirty four week) grand growth stage.
2. Sucking pests like scale insects may infest the crop during this weather condition. Spray imidacloprid 17.8 SL 80ml @ 0.4ml/lit of water for it's control.

Groundnut:

1. Crop is at pod maturity to harvesting (thirteen to fourteen week) stage in field. Start harvesting the matured crops after the rain ceases

Castor:

1. Crop is at eleven to twelve week stage. Go for earthing up to make the plant straight in case of lodging due to rain.
2. Semilooper and spodoptera attacks the crop at this stage. Spray 400ml profenophos 50% Ec @ 2ml/lit. of water per acre crop area after the rain ceases in dry weather condition.

Pisciculture:

1. Apply Raw Cow Dung @ 1000kg/acre of pond size. After 5 days of application of raw cow dung apply 30 kg of DAP/acre and then after 3 days of application of DAP stocking should be done @ 2000 yearlings/ac or fingerlings @ 3000/acre or Fry @ 8000/acre of pond size.

**Nodal Officer
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