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WEEK NO.51

Bulletin No.99/2020

Friday/Dt.18.12.2020

Weather Condition recorded at AMFU Bhawanipatna from 11.12.2020 to 18.12.2020

Weekly Rainfall (mm) and rainy days	Nil
Cumulative Rainfall (mm) and rainy day (w.e.f. 01.01.2020)	1208.6 mm and 72
Mean weekly maximum temperature (°C)	30.3
Mean weekly minimum temperature (°C)	14.9

Weather Forecast from 19.12.2020 to 23.12.2020 for Kalahandi District:

No rain and dry weather may prevail from 19.12.2020 to 23.12.2020 in Kalahandi district. Sky may remain clear to mainly cloudy during these five days period. Wind may blow from South – East direction with speed of 005 km/hr. Maximum temperature may vary around 28 - 30°C and minimum temperature around 15 - 17 °C. Maximum RH expected to vary between 42 - 78% and minimum RH between 16 – 32 %.

DISTRICT	Date	Rainfall (mm)	T-MAX (°C)	T-MIN (°C)	Cloud Cover	Rh Max (%)	Rh Min (%)	Wind speed (kmph)	Wind Direction (deg)
KALAHANDI	19/12/2020	0	30	17	1	78	32	5	160
	20/12/2020	0	29	16	1	55	27	5	158
	21/12/2020	0	29	16	0	42	18	5	169
	22/12/2020	0	29	15	0	43	16	5	161
	23/12/2020	0	28	15	0	60	17	5	154

Agro met – Advisory Bulletin for Kalahandi District

General Advisory:

As five days forecast within 23.12.2020 showed no rain and dry weather with clear to mainly cloudy sky and maximum and minimum temperature range between 28 - 30°C and 15 - 17°C, respectively in the district

1. Continue harvesting the matured cotton and other crops.
2. Continue spraying insecticides or pesticides in crops as per requirement.
3. Keep watch on the red rot disease, top shoot borer and pyrilla in sugarcane.
4. Prepare the nursery for sowing summer paddy. Collect the certified seeds of HYVs like Khandagiri, MTU 1010, Lalat, Naveen etc. @20kg/acre.
5. Prepare the land for sowing greengram and blackgram after harvest of paddy taking the advantage of residual soil moisture and fertility. The varieties suitable for greengram during this season are PDM-54, PDM_139, TARM-1, TARM-2, Pusa-Vishal etc. @ 8-10kg seed/acre. For blackgram the varieties are PU-30, PU-19, PU-35, Ujjala, Prasad, PDU-1 @8-10kg seed per acre.
6. Prepare the main field for transplanting summer paddy at three week stage of seedlings.

Crop Specific Advisory:

Summer Paddy:

1. The summer paddy nursery preparation and sowing is going on. The crops are at sowing to three week stage in nursery. Provide light irrigation to nursery frequently. Prepare the nursery and complete sowing summer paddy. Collect the certified seeds of HYVs like Khandagiri, MTU 1010, Lalat, Naveen etc. @20kg/acre.
2. Use pregerminated seeds for sowing in nursery. Soak the seeds overnight and drain out water in the morning and incubate the seeds for 24-48 hours to get germinated seeds.
3. Prepare the land and start transplanting summer paddy seedlings at three week stage of seedlings. Apply 35kg DAP with 13kg MOP for medium duration varieties and 26kg DAP with 10k MOP for short duration varieties per acre crop area.

Cotton:

1. The crop is at boll maturity to boll bursting stage. Harvest the matured cotton from bursted bolls and dry under sun properly for safe storage.

Arhar:

1. The crop is at seed maturity to harvesting stage. Harvest the matured pods.

Sugarcane:

1. The crop is at maturity (44 - 45 week) stage. Irrigate the crop at 15 days interval.
2. Red rot disease may occur at this stage in sugarcane. Uproot and destroy the infested plant. Spray 400g carbendazim 50% WP @ 2g/lit water or mancozeb 75% WP 600g @ 3g/lit water per acre crop area.
3. Top shoot borer and Pyrilla attack the sugarcane crop in this weather condition. To control top shoot borer and pyrilla in sugarcane spray 400ml fipronil 5SC @ 2ml/lit of water per acre crop area.
4. Do not allow water to go out from the field infested with red rot disease to other healthy crop field.

Greengram:

1. The crop is at sowing to two week. Prepare the land after harvest of paddy at optimum soil moisture condition and go for sowing greengram immediately in medium and low land for taking the advantage of residual soil moisture and fertility.
2. The varieties suitable for greengram during this season are PDM-54, PDM_139, TARM-1, TARM-2, Pusa-Vishal etc. @ 8-10kg seed/acre
3. Apply 2ton FYM, 35kg DAP, 4kg urea and 13kg MOP before sowing.
4. Go for seed treatment with Rhizobium 20g/kg of seed, dry under shade and go for sowing immediately.
5. Leaf eating caterpillar may feed on the tender young leaves . Spray profenofos 50EC 400ml @ 2ml/lit water for its control.

Blackgram:

1. The crop is at sowing to two week stage. Go for land preparation and sowing blackgram in medium and lowland immediately after harvest of paddy.
2. For blackgram the varieties are PU-30, PU-19, PU-35, Ujjala, Prasad, PDU-1 @ 8-10kg seed per acre.
3. Apply 2ton FYM, 35kg DAP, 4kg urea and 13kg MOP before sowing.
4. Go for seed treatment with Rhizobium 20g/kg of seed, dry under shade and go for sowing immediately.
5. Leaf eating caterpillar may feed on the tender young leaves . Spray profenofos 50EC 400ml @ 2ml/lit water for its control.

Tomato:

1. The transplanted tomato is at vegetative growth stage (3-6week) stage.
2. At three week stage go for hoeing, weeding and apply 52kg urea per acre followed by irrigation.
3. Complete hoeing, weeding and apply 27 kg urea at six week stage in tomato. Irrigate the crops after fertilizer application.

Cabbage:

1. The transplanted cabbage is at vegetative growth (3-6week) stage.
2. In cabbage at three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation.
3. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cabbage. Irrigate the crop after fertilizer application.

Cauliflower:

1. The transplanted cauliflower is at vegetative growth (3-6week) stage.
2. At three week stage go for hoeing, weeding and apply 55kg urea per acre followed by irrigation in cauliflower.
3. Go for hoeing, weeding and apply 27kg urea with 25kg MOP at six to seven week stage in cauliflower. Irrigate the crop after fertilizer application.

Onion:

1. The onion seedlings in nursery are seven to eight week stage. Go for transplanting onion seedlings at eight week stage of seedling.
2. The transplanted onion crop is at seedling establishment to one week stage in main field. Prepare the field for transplanting onion seedlings at eight week stage.
3. Apply 43kg DAP, 27kg urea, 33kg MOP and 20kg Sulphur per acre before transplanting onion seedlings in main field.

Nodal Officer
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