



GRAMIN KRUSHI MAUSAM SEVA
INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK
(A Unit of ICAR-National Rice Research Institute)



Bulletin No-80
Date-15.04.2020

E-mail: kvkcuttack@gmail.com
AGROMET ADVISORY BULLETIN FOR ATHAGAD

District Past week weather condition

The district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 23°C, respectively. Relative humidity of the district was around 74-50%. *According to NDVI map (01.04.2020 to 07.04.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-12 March 2020 to 08 April 2020), mildly wet condition was there.*

Forecasted period: 16th April 2020 to 20th April 2020

General Advisory: Light rain or thundershower with partly cloudy sky is forecasted on Saturday. The day temperature will 37-39°C and night temperature will be 24-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 55-94% and 16-25% respectively. There will be clear to partly cloudy sky for next 5 days. *The south west monsoon (June-September) forecast in 2020 over the country, predicted by IMD is likely to be Normal (96-104%). Hence Farmers should prepare the crop plan depending upon the land type, soil fertility and Variety availability, irrigation facility.*

Block	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	16/04/2020	17/04/2020	18/04/2020	19/04/2020	20/04/2020
Rainfall (mm)	0	0	0	8	0
T-Max (°C)	37	38	39	38	39
T-Min (°C)	27	26	26	24	25
Cloud Cover (octa)	2	1	2	4	3
RH Max (%)	55	58	79	94	85
RH Min (%)	16	17	16	25	22
Wind Speed (kmph)	14	18	19	14	16
Wind Direction (deg)	197	204	203	162	191

COVID-19 ADVISORY: in view of threat of Corona virus, measures of personal hygiene and social distancing to be followed by those engaged in different farm operations. Farmers are advised to take adequate personal safety measures for loading and transporting of farm produce and while participating in sale at market/mandi.

Agromet Advisory

Due to likely increase in temperature, efficient water management is essential.

1. Sprinkler irrigation brings down the heat effect. 2. Irrigate in alternate rows. 3. Plan for irrigation observing the soil moisture and forecasted rain. 4. Adopt drip/sprinkler irrigation. 4. Apply mulches in row crops and around the fruit plants to maintain moisture status in the soil. 5. Mulching of leaves around newly planted cashewnut plants to conserve moisture. Irrigate 20 to 25 lit per plant. 6. Cover with paper caps on the newly planted vegetable seedlings during day time. 7. The high temperature increases the water requirement of maize crop. Irrigate the crop. Never allow water to remain stagnant for more than six hour in the field. Maize crop is at silking stage and top dress the crop with 8 kg N/acre. 8. Transplanting of vegetables should be done in afternoon hour to avoid high temperature. 9. Temperature is rising; animals may preferably be grazed during early morning to avoid exposure to extreme hot conditions. Proper ventilation should be maintained for free circulation of air in the sheds. 10. Due to high temperature and dry weather, make drinking water available around the animals and birds.

Summer Maize: Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carabendazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyriphos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P₂O₅, and 16 Kg K₂O per acre. Go for sowing in lines at 45 x15 cm.

Sesame: The early sown crop at 2 to 3 week stage. Go for weeding and hoeing. Apply 13 kg. urea followed by earthing up. Irrigate the crop after fertilizer application. Intercultural operations should be completed within 25 days as the flowering starts after 25 days. To control leaf webber, spray 400 ml Endosulphan. per acre.

Vegetables and fruits:

- Go for sowing of summer vegetables like ridge gourd, bottle gourd, bitter gourd, cucumber, cucurbita can be grown throughout the year. Grow the Improved varieties. Ridge gourd- Pusa Chikney, Bitter gourd- Mou sumi, Long green, Arka Harit, Nakhara, Bottle gourd-Pusa Summer, Prolific Round, Coimbatore 1, Coimbatore-2, Pusa Manjari and Pusa Meghdoot, Cucumber- Punerikhira, Green long and Chaitali, Cucurbita-Arka Suryamukhi, Arka Chandan, Basumati, Hybrid Vars. Can be grown. Ridge gourd- Surekha, Rohini, NRGS-7 Gourav, Bitter gourd-Hyb-49, Vivek, Shriya, White long, Green long, Bottle gourd-Pusa Meghdoot, Mulayam, Ganesh Gupta, New Swati, Harit and NBGH-2, Cucumber- Priya, Royal, Regal, Click, Lucky and Strike, Cucurbita-MPH-1
- Downymildew infestation** may occur after the rain in vegetables like cucumber, pumpkin, bittergourd. Spray 2g Metalaxyl + Mancozeb per litre of water 2 to 3 times. Current weather is favourable for attack of **fruit fly in cucurbits**. So install cueleur for mass trapping of the insects. Go for placement of poison baits and spraying of solution made with 2g Cartap hydrochloride+100g gur per litre of water.
- FRUIT AND SHOOT BORER IN BRINJAL**-Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval.
- Tomato**- In present weather condition, **fruit borer, leaf eating caterpillar and leaf miner** are major pest observed in the field. To control these pest, spray Spinosad 45SC@70ml/acre with 200 litres of water.
- Mango:** Spray NAA @ 0.4 g/15 litre of water at flowering stage and second spray at 4 week of fruit setting to increase fruit retention. Present condition is congenial for mango hopper, spray two rounds with imidacloprid 17.8% sl @ 0.3 ml/litre of water or thiamethoxam 25% wg @ 0.2 g/litre of water.

Dr. Dilip Ranjan Sarangi
(Nodal officer)

Debasish Jena
SMS (Agrometeorology)
Contact No-9861445080/7008453427



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Bulletin No-80
Date-15.04.2020

E-mail: kykcuttack@gmail.com
AGROMET ADVISORY BULLETIN FOR BADAMBA
District Past week weather condition

The district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 23°C, respectively. Relative humidity of the district was around 74-50%. **According to NDVI map (01.04.2020 to 07.04.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-12 March 2020 to 08 April 2020), mildly wet condition was there.**

Forecasted period: 16th April 2020 to 20th April 2020

General Advisory: Light rain or thundershower with partly cloudy sky is forecasted on Saturday. The day temperature will 38-40°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 45-79% and 15-19% respectively. There will be clear partly cloudy sky for next 5 days. **The south west monsoon (June-September) forecast in 2020 over the country, predicted by IMD is likely to be Normal (96-104%). Hence Farmers should prepare the crop plan depending upon the land type, soil fertility and Variety availability, irrigation facility.**

Block	Badamba(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	16/04/2020	17/04/2020	18/04/2020	19/04/2020	20/04/2020
Rainfall(mm)	0	0	0	7	0
T-Max(°C)	38	39	40	40	40
T-Min(°C)	26	26	25	24	25
Cloud Cover(octa)	2	3	3	4	3
RH Max (%)	45	49	74	77	79
RH Min (%)	15	16	16	19	19
Wind Speed (Kmph)	12	15	15	13	13
Wind Direction (deg)	206	204	171	193	161

COVID-19 ADVISORY: in view of threat of Corona virus, measures of personal hygiene and social distancing to be followed by those engaged in different farm operations. Farmers are advised to take adequate personal safety measures for loading and transporting of farm produce and while participating in sale at market/mandi.

Agromet Advisory

Due to likely increase in temperature, efficient water management is essential.

1. Sprinkler irrigation brings down the heat effect. 2. Irrigate in alternate rows. 3. Plan for irrigation observing the soil moisture and forecasted rain. 4. Adopt drip/sprinkler irrigation. 4. Apply mulches in row crops and around the fruit plants to maintain moisture status in the soil. 5. Mulching of leaves around newly planted cashewnut plants to conserve moisture. Irrigate 20 to 25 lit per plant. 6. Cover with paper caps on the newly planted vegetable seedlings during day time. 7. The high temperature increases the water requirement of maize crop. Irrigate the crop. Never allow water to remain stagnant for more than six hour in the field. Maize crop is at silking stage and top dress the crop with 8 kg N/acre. 8. Transplanting of vegetables should be done in afternoon hour to avoid high temperature. 9. Temperature is rising; animals may preferably be grazed during early morning to avoid exposure to extreme hot conditions. Proper ventilation should be maintained for free circulation of air in the sheds. 10. Due to high temperature and dry weather, make drinking water available around the animals and birds.

Summer Maize: Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbendazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyriphos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P2O5, and 16 Kg K2O per acre. Go for sowing in lines at 45 x15 cm.

Sesame: The early sown crop at 2 to 3 week stage. Go for weeding and hoeing. Apply 13 kg. urea followed by earthing up. Irrigate the crop after fertilizer application. Intercultural operations should be completed within 25 days as the flowering starts after 25 days. To control leaf webber, spray 400 ml Endosulphan. per acre.

Vegetables and fruits:

- Go for sowing of summer vegetables like ridge gourd, bottle gourd, bitter gourd, cucumber, cucurbita can be grown throughout the year. Grow the Improved varieties. Ridge gourd- Pusa Chikney, Bitter gourd- Mou sumi, Long green, Arka Harit, Nakhara .Bottle gourd-Pusa Summer, Prolific Round, Coimbatore 1, Coimbatore-2, Pusa Manjariand Pusa Meghdoot, Cucumber- Punerikhira, Green long and Chaitali, Cucurbita-Arka Suryamukhi, Arka Chandan, Basumati, Hybrid Vars. Can be grown. Ridge gourd- Surekha, Rohini, NRGs-7 Gourav, Bitter gourd-Hyb-49, Vivek, Shriya, White long, Green long , Bottle gourd-Pusa Meghdoot, Mulayam, Ganesh Gupta, New Swati, Harit and NBGH-2, Cucumber- Priya, Royal, Regal, Click, Lucky and Strike, Cucurbita-MPH-1
- Downymildew infestation** may occur after the rain in vegetables like cucumber, pumpkin, bittergourd. Spray 2g Metalaxyl + Mancozeb per litre of water 2 to 3 times. Current weather is favourable for attack of **fruit fly in cucurbits**. So install cuelure for mass trapping of the insects. Go for placement of poison baits and spraying of solution made with 2g Cartap hydrochloride+100g gur per litre of water.
- FRUIT AND SHOOT BORER IN BRINJAL**-Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval.
- Tomato**- In present weather condition, **fruit borer, leaf eating caterpillar and leaf miner** are major pest observed in the field. To control these pest, spray Spinosad 45%SC@70ml/acre with 200 litres of water.
- Mango:** Spray NAA @ 0.4 g/15 litre of water at flowering stage and second spray at 4 week of fruit setting to increase fruit retention. Present condition is congenial for mango hopper, spray two rounds with imidacloprid 17.8% sl @ 0.3 ml/litre of water or thiamethoxam 25% wg @ 0.2 g/litre of water.

Dr.Dilip Ranjan Sarangi
(Nodal officer)

Debasish Jena
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Bulletin No-80
Date-15.04.2020

E-mail: kykcuttack@gmail.com
AGROMET ADVISORY BULLETIN FOR BANKI

District Past week weather condition

The district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 23°C, respectively. Relative humidity of the district was around 74-50%. **According to NDVI map (01.04.2020 to 07.04.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-12 March 2020 to 08 April 2020), mildly wet condition was there.**

Forecasted period: 16th April 2020 to 20th April 2020

General Advisory: Light rain or thundershower with partly cloudy sky is forecasted on Saturday. The day temperature will 38-39°C and night temperature will be 24-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 53-90% and 16-26% respectively. There will be clear to partly cloudy sky for next 5 days. **The south west monsoon (June-September) forecast in 2020 over the country, predicted by IMD is likely to be Normal (96-104%). Hence Farmers should prepare the crop plan depending upon the land type, soil fertility and Variety availability, irrigation facility.**

Block	Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	16/04/2020	17/04/2020	18/04/2020	19/04/2020	20/04/2020
Rainfall(mm)	0	0	0	9	0
T-Max(°C)	38	39	39	39	39
T-Min(°C)	27	27	25	24	25
Cloud Cover(octa)	3	2	2	4	3
RH Max (%)	53	55	77	90	84
RH Min (%)	16	17	20	26	23
Wind Speed (Kmph)	14	19	20	15	16
Wind Direction (deg)	203	203	201	193	193

COVID-19 ADVISORY: in view of threat of Corona virus, measures of personal hygiene and social distancing to be followed by those engaged in different farm operations. Farmers are advised to take adequate personal safety measures for loading and transporting of farm produce and while participating in sale at market/mandi.

Agromet Advisory

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Summer Maize: Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbenidazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyriphos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P2O5, and 16 Kg K2O per acre. Go for sowing in lines at 45 x15 cm.

Sesame: The early sown crop at 2 to 3 week stage. Go for weeding and hoeing. Apply 13 kg. urea followed by earthing up. Irrigate the crop after fertilizer application. Intercultural operations should be completed within 25 days as the flowering starts after 25 days. To control leaf webber, spray 400 ml Endosulphan. per acre.

Vegetables and fruits:

- Go for sowing of summer vegetables like ridge gourd, bottle gourd, bitter gourd, cucumber, cucurbita can be grown throughout the year. Grow the Improved varieties. Ridge gourd- Pusa Chikney, Bitter gourd- Mou sumi, Long green, Arka Harit, Nakhara, Bottle gourd-Pusa Summer, Prolific Round, Coimbatore 1, Coimbatore-2, Pusa Manjari and Pusa Meghdoot, Cucumber- Punerikhira, Green long and Chaitali, Cucurbita-Arka Suryamukhi, Arka Chandan, Basumati, Hybrid Vars. Can be grown. Ridge gourd- Surekha, Rohini, NRGs-7 Gourav, Bitter gourd-Hyb-49, Vivek, Shriya, White long, Green long, Bottle gourd-Pusa Meghdoot, Mulayam, Ganesh Gupta, New Swati, Harit and NBGH-2, Cucumber- Priya, Royal, Regal, Click, Lucky and Strike, Cucurbita-MPH-1
- Downymildew infestation** may occur after the rain in vegetables like cucumber, pumpkin, bittergourd. Spray 2g Metalaxyl + Mancozeb per litre of water 2 to 3 times. Current weather is favourable for attack of **fruit fly in cucurbits**. So install cuelure for mass trapping of the insects. Go for placement of poison baits and spraying of solution made with 2g Cartap hydrochloride+100g gur per litre of water.
- FRUIT AND SHOOT BORER IN BRINJAL**-Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval.
- Tomato**- In present weather condition, **fruit borer, leaf eating caterpillar and leaf miner** are major pest observed in the field. To control these pest, spray Spinosad 45SC@70ml/acre with 200 litres of water.
- Mango:** Spray NAA @ 0.4 g/15 litre of water at flowering stage and second spray at 4 week of fruit setting to increase fruit retention. Present condition is congenial for mango hopper, spray two rounds with imidacloprid 17.8% sl @ 0.3 ml/litre of water or thiamethoxam 25% wg @ 0.2 g/litre of water.

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Date-15.04.2020

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AGROMET ADVISORY BULLETIN FOR BANKI- DAMPARA
District Past week weather condition

The district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 23°C, respectively. Relative humidity of the district was around 74-50%. **According to NDVI map (01.04.2020 to 07.04.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-12 March 2020 to 08 April 2020), mildly wet condition was there.**

Forecasted period: 16th April 2020 to 20th April 2020

General Advisory: Light rain or thundershower with partly cloudy sky is forecasted on Saturday. The day temperature will 38-39°C and night temperature will be 24-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 54-91% and 16-28% respectively. There will be clear to partly cloudy sky for next 5 days. **The south west monsoon (June-September) forecast in 2020 over the country, predicted by IMD is likely to be Normal (96-104%). Hence Farmers should prepare the crop plan depending upon the land type, soil fertility and Variety availability, irrigation facility.**

Block	Banki-Dampara(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	16/04/2020	17/04/2020	18/04/2020	19/04/2020	20/04/2020
Rainfall(mm)	0	0	0	9	0
T-Max(°C)	38	39	39	38	39
T-Min(°C)	27	27	25	24	25
Cloud Cover(octa)	2	2	2	4	3
RH Max (%)	54	55	78	91	85
RH Min (%)	16	17	21	28	24
Wind Speed (Kmph)	15	19	20	15	16
Wind Direction (deg)	203	203	201	193	198

COVID-19 ADVISORY: in view of threat of Corona virus, measures of personal hygiene and social distancing to be followed by those engaged in different farm operations. Farmers are advised to take adequate personal safety measures for loading and transporting of farm produce and while participating in sale at market/mandi.

Agromet Advisory

Due to likely increase in temperature, efficient water management is essential.

1. Sprinkler irrigation brings down the heat effect. 2. Irrigate in alternate rows. 3. Plan for irrigation observing the soil moisture and forecasted rain. 4. Adopt drip/sprinkler irrigation. 4. Apply mulches in row crops and around the fruit plants to maintain moisture status in the soil. 5. Mulching of leaves around newly planted cashewnut plants to conserve moisture. Irrigate 20 to 25 lit per plant. 6. Cover with paper caps on the newly planted vegetable seedlings during day time. 7. The high temperature increases the water requirement of maize crop. Irrigate the crop. Never allow water to remain stagnant for more than six hour in the field. Maize crop is at silking stage and top dress the crop with 8 kg N/acre. 8. Transplanting of vegetables should be done in afternoon hour to avoid high temperature. 9. Temperature is rising; animals may preferably be grazed during early morning to avoid exposure to extreme hot conditions. Proper ventilation should be maintained for free circulation of air in the sheds. 10. Due to high temperature and dry weather, make drinking water available around the animals and birds.

Summer Maize: Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbenidazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyriphos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P2O5, and 16 Kg K2O per acre. Go for sowing in lines at 45 x15 cm.

Sesame: The early sown crop at 2 to 3 week stage. Go for weeding and hoeing. Apply 13 kg. urea followed by earthing up. Irrigate the crop after fertilizer application. Intercultural operations should be completed within 25 days as the flowering starts after 25 days. To control leaf webber, spray 400 ml Endosulphan. per acre.

Vegetables and fruits:

- Go for sowing of summer vegetables like ridge gourd, bottle gourd, bitter gourd, cucumber, cucurbita can be grown throughout the year. Grow the Improved varieties. Ridge gourd- Pusa Chikney, Bitter gourd- Mou sumi, Long green, Arka Harit, Nakhara ,Bottle gourd-Pusa Summer, Prolific Round, Coimbatore 1, Coimbatore-2, Pusa Manjariand Pusa Meghdoot, Cucumber- Punerikhira, Green long and Chaitali, Cucurbita-Arka Suryamukhi, Arka Chandan, Basumati, Hybrid Vars. Can be grown. Ridge gourd- Surekha, Rohini, NRGs-7 Gourav, Bitter gourd-Hyb-49, Vivek, Shriya, White long, Green long , Bottle gourd-Pusa Meghdoot, Mulayam, Ganesh Gupta, New Swati, Harit and NBGH-2, Cucumber- Priya, Royal, Regal, Click, Lucky and Strike, Cucurbita-MPH-1
- Downymildew infestation** may occur after the rain in vegetables like cucumber, pumpkin, bittergourd. Spray 2g Metalaxyl + Mancozeb per litre of water 2 to 3 times. Current weather is favourable for attack of **fruit fly in cucurbits**. So install cue lure for mass trapping of the insects. Go for placement of poison baits and spraying of solution made with 2g Cartap hydrochloride+100g gur per litre of water.
- FRUIT AND SHOOT BORER IN BRINJAL**-Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval.
- Tomato**- In present weather condition, **fruit borer, leaf eating caterpillar and leaf miner** are major pest observed in the field. To control these pest, spray Spinosad 45SC@70ml/acre with 200 litres of water.
- Mango:** Spray NAA @ 0.4 g/15 litre of water at flowering stage and second spray at 4 week of fruit setting to increase fruit retention. Present condition is congenial for mango hopper, spray two rounds with imidacloprid 17.8% sl @ 0.3 ml/litre of water or thiamethoxam 25% wg @ 0.2 g/litre of water.

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Date-15.04.2020

E-mail: kvkcuttack@gmail.com
AGROMET ADVISORY BULLETIN FOR BARANGA

District Past week weather condition

The district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 23°C, respectively. Relative humidity of the district was around 74-50%. **According to NDVI map (01.04.2020 to 07.04.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-12 March 2020 to 08 April 2020), mildly wet condition was there.**

Forecasted period: 16th April 2020 to 20th April 2020

General Advisory: Light rain or thundershower with partly cloudy sky is forecasted on Saturday. The day temperature will 35-38°C and night temperature will be 25-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 60-95% and 17-40% respectively. There will be clear to partly cloudy sky for next 5 days. **The south west monsoon (June-September) forecast in 2020 over the country, predicted by IMD is likely to be Normal (96-104%). Hence Farmers should prepare the crop plan depending upon the land type, soil fertility and Variety availability, irrigation facility.**

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	16/04/2020	17/04/2020	18/04/2020	19/04/2020	20/04/2020
Rainfall(mm)	0	0	0	7	0
T-Max(°C)	37	38	36	35	36
T-Min(°C)	28	27	26	25	25
Cloud Cover	2	1	1	4	3
RH Max (%)	60	63	84	95	87
RH Min (%)	17	19	26	40	30
Wind Speed (Kmph)	19	25	27	20	21
Wind Direction (deg)	204	203	203	201	203

COVID-19 ADVISORY: in view of threat of Corona virus, measures of personal hygiene and social distancing to be followed by those engaged in different farm operations. Farmers are advised to take adequate personal safety measures for loading and transporting of farm produce and while participating in sale at market/mandi.

Agromet Advisory

Due to likely increase in temperature, efficient water management is essential.

1. Sprinkler irrigation brings down the heat effect. 2. Irrigate in alternate rows. 3. Plan for irrigation observing the soil moisture and forecasted rain. 4. Adopt drip/sprinkler irrigation. 4. Apply mulches in row crops and around the fruit plants to maintain moisture status in the soil. 5. Mulching of leaves around newly planted cashewnut plants to conserve moisture. Irrigate 20 to 25 lit per plant. 6. Cover with paper caps on the newly planted vegetable seedlings during day time. 7. The high temperature increases the water requirement of maize crop. Irrigate the crop. Never allow water to remain stagnant for more than six hour in the field. Maize crop is at silking stage and top dress the crop with 8 kg N/acre. 8. Transplanting of vegetables should be done in afternoon hour to avoid high temperature. 9. Temperature is rising; animals may preferably be grazed during early morning to avoid exposure to extreme hot conditions. Proper ventilation should be maintained for free circulation of air in the sheds. 10. Due to high temperature and dry weather, make drinking water available around the animals and birds.

Summer Maize: Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbenazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyriphos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P2O5, and 16 Kg K2O per acre. Go for sowing in lines at 45 x15 cm.

Sesame: The early sown crop at 2 to 3 week stage. Go for weeding and hoeing. Apply 13 kg. urea followed by earthing up. Irrigate the crop after fertilizer application. Intercultural operations should be completed within 25 days as the flowering starts after 25 days. To control leaf webber, spray 400 ml Endosulphan. per acre.

Vegetables and fruits:

- Go for sowing of summer vegetables like ridge gourd, bottle gourd, bitter gourd, cucumber, cucurbita can be grown throughout the year. Grow the Improved varieties. Ridge gourd- Pusa Chikney, Bitter gourd- Mou sumi, Long green, Arka Harit, Nakhara, Bottle gourd-Pusa Summer, Prolific Round, Coimbatore 1, Coimbatore-2, Pusa Manjari and Pusa Meghdoot, Cucumber- Punerikhira, Green long and Chaitali, Cucurbita-Arka Suryamukhi, Arka Chandan, Basumati, Hybrid Vars. Can be grown. Ridge gourd- Surekha, Rohini, NRGS-7 Gourav, Bitter gourd-Hyb-49, Vivek, Shriya, White long, Green long, Bottle gourd-Pusa Meghdoot, Mulayam, Ganesh Gupta, New Swati, Harit and NBGH-2, Cucumber- Priya, Royal, Regal, Click, Lucky and Strike, Cucurbita-MPH-1
- Downymildew infestation** may occur after the rain in vegetables like cucumber, pumpkin, bittergourd. Spray 2g Metalaxyl + Mancozeb per litre of water 2 to 3 times. Current weather is favourable for attack of **fruit fly in cucurbits**. So install cue lure for mass trapping of the insects. Go for placement of poison baits and spraying of solution made with 2g Cartap hydrochloride+100g gur per litre of water.
- FRUIT AND SHOOT BORER IN BRINJAL**-Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval.
- Tomato**- In present weather condition, **fruit borer, leaf eating caterpillar and leaf miner** are major pest observed in the field. To control these pest, spray Spinosad 45SC@70ml/acre with 200 litres of water.
- Mango:** Spray NAA @ 0.4 g/15 litre of water at flowering stage and second spray at 4 week of fruit setting to increase fruit retention. Present condition is congenial for mango hopper, spray two rounds with imidacloprid 17.8% sl @ 0.3 ml/litre of water or thiamethoxam 25% wg @ 0.2 g/litre of water.

Dr. Dilip Ranjan Sarangi
 (Nodal officer)

Debasish Jena
SMS (Agrometeorology)
Contact No-9861445080/7008453427



GRAMIN KRUSHI MAUSAM SEVA
INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK
(A Unit of ICAR-National Rice Research Institute)



Bulletin No-80
Date-15.04.2020

E-mail: kykcuttack@gmail.com
AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR
District Past week weather condition

The district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 23°C, respectively. Relative humidity of the district was around 74-50%. **According to NDVI map (01.04.2020 to 07.04.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-12 March 2020 to 08 April 2020), mildly wet condition was there.**

Forecasted period: 16th April 2020 to 20th April 2020

General Advisory: Light rain or thundershower with partly cloudy sky is forecasted on Saturday. The day temperature will 36-38°C and night temperature will be 25-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 59-96% and 17-33% respectively. There will be clear to partly cloudy sky for next 5 days. **The south west monsoon (June-September) forecast in 2020 over the country, predicted by IMD is likely to be Normal (96-104%). Hence Farmers should prepare the crop plan depending upon the land type, soil fertility and Variety availability, irrigation facility.**

Block	Cuttack sadar(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	16/04/2020	17/04/2020	18/04/2020	19/04/2020	20/04/2020
Rainfall(mm)	0	0	0	7	0
T-Max(°C)	37	37	38	36	37
T-Min(°C)	28	26	26	25	25
Cloud Cover(octa)	3	1	1	4	3
RH Max (%)	59	63	83	96	86
RH Min (%)	17	18	21	33	26
Wind Speed (Kmph)	17	22	24	19	20
Wind Direction (deg)	204	203	203	201	201

COVID-19 ADVISORY: in view of threat of Corona virus, measures of personal hygiene and social distancing to be followed by those engaged in different farm operations. Farmers are advised to take adequate personal safety measures for loading and transporting of farm produce and while participating in sale at market/mandi.

Agromet Advisory

Due to likely increase in temperature, efficient water management is essential.

1. Sprinkler irrigation brings down the heat effect. 2. Irrigate in alternate rows. 3. Plan for irrigation observing the soil moisture and forecasted rain. 4. Adopt drip/sprinkler irrigation. 4. Apply mulches in row crops and around the fruit plants to maintain moisture status in the soil. 5. Mulching of leaves around newly planted cashewnut plants to conserve moisture. Irrigate 20 to 25 lit per plant. 6. Cover with paper caps on the newly planted vegetable seedlings during day time. 7. The high temperature increases the water requirement of maize crop. Irrigate the crop. Never allow water to remain stagnant for more than six hour in the field. Maize crop is at silking stage and top dress the crop with 8 kg N/acre. 8. Transplanting of vegetables should be done in afternoon hour to avoid high temperature. 9. Temperature is rising; animals may preferably be grazed during early morning to avoid exposure to extreme hot conditions. Proper ventilation should be maintained for free circulation of air in the sheds. 10. Due to high temperature and dry weather, make drinking water available around the animals and birds.

Summer Maize: Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbenazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyriphos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P2O5, and 16 Kg K2O per acre. Go for sowing in lines at 45 x15 cm.

Sesame: The early sown crop at 2 to 3 week stage. Go for weeding and hoeing. Apply 13 kg. urea followed by earthing up. Irrigate the crop after fertilizer application. Intercultural operations should be completed within 25 days as the flowering starts after 25 days. To control leaf webber, spray 400 ml Endosulphan. per acre.

Vegetables and fruits:

- Go for sowing of summer vegetables like ridge gourd, bottle gourd, bitter gourd, cucumber, cucurbita can be grown throughout the year. Grow the Improved varieties. Ridge gourd- Pusa Chikney, Bitter gourd- Mou sumi, Long green, Arka Harit, Nakhara, Bottle gourd-Pusa Summer, Prolific Round, Coimbatore 1, Coimbatore-2, Pusa Manjariand Pusa Meghdoot, Cucumber- Punerikhira, Green long and Chaitali, Cucurbita-Arka Suryamukhi, Arka Chandan, Basumati, Hybrid Vars. Can be grown. Ridge gourd- Surekha, Rohini, NRGS-7 Gourav, Bitter gourd-Hyb-49, Vivek, Shriya, White long, Green long, Bottle gourd-Pusa Meghdoot, Mulayam, Ganesh Gupta, New Swati, Harit and NRGH-2, Cucumber- Priya, Royal, Regal, Click, Lucky and Strike, Cucurbita-MPH-1
- Downymildew infestation** may occur after the rain in vegetables like cucumber, pumpkin, bittergourd. Spray 2g Metalaxyl + Mancozeb per litre of water 2 to 3 times. Current weather is favourable for attack of **fruit fly in cucurbits**. So install cue lure for mass trapping of the insects. Go for placement of poison baits and spraying of solution made with 2g Cartap hydrochloride+100g gur per litre of water.
- FRUIT AND SHOOT BORER IN BRINJAL**-Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval.
- Tomato**- In present weather condition, **fruit borer, leaf eating caterpillar and leaf miner** are major pest observed in the field. To control these pest, spray Spinosad 45SC@70ml/acre with 200 litres of water.
- Mango:** Spray NAA @ 0.4 g/15 litre of water at flowering stage and second spray at 4 week of fruit setting to increase fruit retention. Present condition is congenial for mango hopper, spray two rounds with imidacloprid 17.8% sl @ 0.3 ml/litre of water or thiamethoxam 25% wg @ 0.2 g/litre of water.

Dr.Dilip Ranjan Sarangi
 (Nodal officer)

Debasish Jena
SMS (Agrometeorology)
Contact No-9861445080/7008453427



GRAMIN KRUSHI MAUSAM SEVA
INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK
(A Unit of ICAR-National Rice Research Institute)



Bulletin No-80
Date-15.04.2020

E-mail: kvkcuttack@gmail.com
AGROMET ADVISORY BULLETIN FOR KANTAPADA

District Past week weather condition

The district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 23°C, respectively. Relative humidity of the district was around 74-50%. *According to NDVI map (01.04.2020 to 07.04.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-12 March 2020 to 08 April 2020), mildly wet condition was there.*

Forecasted period: 16th April 2020 to 20th April 2020

General Advisory: Light rain or thundershower with partly cloudy sky is forecasted on Saturday. The day temperature will 33-37°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 61-91% and 20-50% respectively. There will be clear to partly cloudy sky for next 5 days. *The south west monsoon (June-September) forecast in 2020 over the country, predicted by IMD is likely to be Normal (96-104%). Hence Farmers should prepare the crop plan depending upon the land type, soil fertility and Variety availability, irrigation facility.*

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	16/04/2020	17/04/2020	18/04/2020	19/04/2020	20/04/2020
Rainfall(mm)	0	0	0	5	0
T-Max(°C)	37	36	34	33	34
T-Min(°C)	28	27	26	26	26
Cloud Cover(octa)	2	1	1	4	3
RH Max (%)	61	65	84	91	86
RH Min (%)	20	23	35	50	40
Wind Speed (Kmph)	23	28	29	24	24
Wind Direction (deg)	203	203	203	201	203

COVID-19 ADVISORY: in view of threat of Corona virus, measures of personal hygiene and social distancing to be followed by those engaged in different farm operations. Farmers are advised to take adequate personal safety measures for loading and transporting of farm produce and while participating in sale at market/mandi.

Agromet Advisory

Due to likely increase in temperature, efficient water management is essential.

1. Sprinkler irrigation brings down the heat effect. 2. Irrigate in alternate rows. 3. Plan for irrigation observing the soil moisture and forecasted rain. 4. Adopt drip/sprinkler irrigation. 4. Apply mulches in row crops and around the fruit plants to maintain moisture status in the soil. 5. Mulching of leaves around newly planted cashewnut plants to conserve moisture. Irrigate 20 to 25 lit per plant. 6. Cover with paper caps on the newly planted vegetable seedlings during day time. 7. The high temperature increases the water requirement of maize crop. Irrigate the crop. Never allow water to remain stagnant for more than six hour in the field. Maize crop is at silking stage and top dress the crop with 8 kg N/acre. 8. Transplanting of vegetables should be done in afternoon hour to avoid high temperature. 9. Temperature is rising; animals may preferably be grazed during early morning to avoid exposure to extreme hot conditions. Proper ventilation should be maintained for free circulation of air in the sheds. 10. Due to high temperature and dry weather, make drinking water available around the animals and birds.

Summer Maize: Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbendazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyriphos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P₂O₅, and 16 Kg K₂O per acre. Go for sowing in lines at 45 x 15 cm.

Sesame: The early sown crop at 2 to 3 week stage. Go for weeding and hoeing. Apply 13 kg. urea followed by earthing up. Irrigate the crop after fertilizer application. Intercultural operations should be completed within 25 days as the flowering starts after 25 days. To control leaf webber, spray 400 ml Endosulphan. per acre.

Vegetables and fruits:

- Go for sowing of summer vegetables like ridge gourd, bottle gourd, bitter gourd, cucumber, cucurbita can be grown throughout the year. Grow the Improved varieties. Ridge gourd- Pusa Chikney, Bitter gourd- Mou sumi, Long green, Arka Harit, Nakhara, Bottle gourd-Pusa Summer, Prolific Round, Coimbatore 1, Coimbatore-2, Pusa Manjari and Pusa Meghdoot, Cucumber- Punerikhira, Green long and Chaitali, Cucurbita-Arka Suryamukhi, Arka Chandan, Basumati, Hybrid Vars. Can be grown. Ridge gourd- Surekha, Rohini, NRGS-7 Gourav, Bitter gourd-Hyb-49, Vivek, Shriya, White long, Green long, Bottle gourd-Pusa Meghdoot, Mulayam, Ganesh Gupta, New Swati, Harit and NBGH-2, Cucumber- Priya, Royal, Regal, Click, Lucky and Strike, Cucurbita-MPH-1
- Downy mildew infestation** may occur after the rain in vegetables like cucumber, pumpkin, bittergourd. Spray 2g Metalaxyl + Mancozeb per litre of water 2 to 3 times. Current weather is favourable for attack of **fruit fly in cucurbits**. So install cue lure for mass trapping of the insects. Go for placement of poison baits and spraying of solution made with 2g Cartap hydrochloride+100g gur per litre of water.
- FRUIT AND SHOOT BORER IN BRINJAL**-Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval.
- Tomato**- In present weather condition, **fruit borer, leaf eating caterpillar and leaf miner** are major pest observed in the field. To control these pest, spray Spinosad 45SC@70ml/acre with 200 litres of water.
- Mango:** Spray NAA @ 0.4 g/15 litre of water at flowering stage and second spray at 4 week of fruit setting to increase fruit retention. Present condition is congenial for mango hopper, spray two rounds with imidacloprid 17.8% sl @ 0.3 ml/litre of water or thiamethoxam 25% wg @ 0.2 g/litre of water.

Dr. Dilip Ranjan Sarangi
 (Nodal officer)

Debasish Jena

SMS (Agrometeorology)

Contact No-9861445080/7008453427



GRAMIN KRUSHI MAUSAM SEVA
INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK
(A Unit of ICAR-National Rice Research Institute)



Bulletin No-80
Date-15.04.2020

E-mail: kvkcuttack@gmail.com
AGROMET ADVISORY BULLETIN FOR MAHANGA

District Past week weather condition

The district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 23°C, respectively. Relative humidity of the district was around 74-50%. **According to NDVI map (01.04.2020 to 07.04.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-12 March 2020 to 08 April 2020), mildly wet condition was there.**

Forecasted period: 16th April 2020 to 20th April 2020

General Advisory: Light rain or thundershower with partly cloudy sky is forecasted on Saturday. The day temperature will 35-38°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 56-91% and 18-39% respectively. There will be clear to partly cloudy sky for next 5 days. **The south west monsoon (June-September) forecast in 2020 over the country, predicted by IMD is likely to be Normal (96-104%). Hence Farmers should prepare the crop plan depending upon the land type, soil fertility and Variety availability, irrigation facility.**

Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	16/04/2020	17/04/2020	18/04/2020	19/04/2020	20/04/2020
Rainfall(mm)	0	0	0	6	0
T-Max(°C)	37	38	37	35	37
T-Min(°C)	28	26	26	26	26
Cloud Cover(octal)	2	2	1	4	3
RH Max (%)	56	61	79	91	83
RH Min (%)	18	20	26	39	31
Wind Speed (Kmph)	20	25	28	23	23
Wind Direction (deg)	204	203	203	203	203

COVID-19 ADVISORY: in view of threat of Corona virus, measures of personal hygiene and social distancing to be followed by those engaged in different farm operations. Farmers are advised to take adequate personal safety measures for loading and transporting of farm produce and while participating in sale at market/mandi.

Agromet Advisory

Due to likely increase in temperature, efficient water management is essential.

1. Sprinkler irrigation brings down the heat effect. 2. Irrigate in alternate rows. 3. Plan for irrigation observing the soil moisture and forecasted rain. 4. Adopt drip/sprinkler irrigation. 4. Apply mulches in row crops and around the fruit plants to maintain moisture status in the soil. 5. Mulching of leaves around newly planted cashewnut plants to conserve moisture. Irrigate 20 to 25 lit per plant. 6. Cover with paper caps on the newly planted vegetable seedlings during day time. 7. The high temperature increases the water requirement of maize crop. Irrigate the crop. Never allow water to remain stagnant for more than six hour in the field. Maize crop is at silking stage and top dress the crop with 8 kg N/acre. 8. Transplanting of vegetables should be done in afternoon hour to avoid high temperature. 9. Temperature is rising; animals may preferably be grazed during early morning to avoid exposure to extreme hot conditions. Proper ventilation should be maintained for free circulation of air in the sheds. 10. Due to high temperature and dry weather, make drinking water available around the animals and birds.

Summer Maize: Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbenazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyriphos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P2O5, and 16 Kg K2O per acre. Go for sowing in lines at 45 x15 cm.

Sesame: The early sown crop at 2 to 3 week stage. Go for weeding and hoeing. Apply 13 kg. urea followed by earthing up. Irrigate the crop after fertilizer application. Intercultural operations should be completed within 25 days as the flowering starts after 25 days. To control leaf webber, spray 400 ml Endosulphan. per acre.

Vegetables and fruits:

- Go for sowing of summer vegetables like ridge gourd, bottle gourd, bitter gourd, cucumber, cucurbita can be grown throughout the year. Grow the Improved varieties. Ridge gourd- Pusa Chikney, Bitter gourd- Mou sumi, Long green, Arka Harit, Nakhara, Bottle gourd-Pusa Summer, Prolific Round, Coimbatore 1, Coimbatore-2, Pusa Manjari and Pusa Meghdoot, Cucumber- Punerikhira, Green long and Chaitali, Cucurbita-Arka Suryamukhi, Arka Chandan, Basumati, Hybrid Vars. Can be grown. Ridge gourd- Surekha, Rohini, NRGS-7 Gourav, Bitter gourd-Hyb-49, Vivek, Shriya, White long, Green long, Bottle gourd-Pusa Meghdoot, Mulayam, Ganesh Gupta, New Swati, Harit and NRGH-2, Cucumber- Priya, Royal, Regal, Click, Lucky and Strike, Cucurbita-MPH-1
- Downymildew infestation** may occur after the rain in vegetables like cucumber, pumpkin, bittergourd. Spray 2g Metalaxyl + Mancozeb per litre of water 2 to 3 times. Current weather is favourable for attack of **fruit fly in cucurbits**. So install cue lure for mass trapping of the insects. Go for placement of poison baits and spraying of solution made with 2g Cartap hydrochloride+100g gur per litre of water.
- FRUIT AND SHOOT BORER IN BRINJAL**-Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval.
- Tomato**- In present weather condition, **fruit borer, leaf eating caterpillar and leaf miner** are major pest observed in the field. To control these pest, spray Spinosad 45SC@70ml/acre with 200 litres of water.
- Mango:** Spray NAA @ 0.4 g/15 litre of water at flowering stage and second spray at 4 week of fruit setting to increase fruit retention. Present condition is congenial for mango hopper, spray two rounds with imidacloprid 17.8% sl @ 0.3 ml/litre of water or thiamethoxam 25% wg @ 0.2 g/litre of water.

Dr.Dilip Ranjan Sarangi
(Nodal officer)

Debasish Jena
SMS (Agrometeorology)
Contact No-9861445080/7008453427



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DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK
(A Unit of ICAR-National Rice Research Institute)



Bulletin No-80
Date-15.04.2020

E-mail: kvkcuttack@gmail.com
AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

District Past week weather condition

The district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 23°C, respectively. Relative humidity of the district was around 74-50%. **According to NDVI map (01.04.2020 to 07.04.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-12 March 2020 to 08 April 2020), mildly wet condition was there.**

Forecasted period: 16th April 2020 to 20th April 2020

General Advisory: Light rain or thundershower with partly cloudy sky is forecasted on Saturday. The day temperature will 40-42°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 41-68% and 13-15% respectively. There will be clear to partly cloudy sky for next 5 days. **The south west monsoon (June-September) forecast in 2020 over the country, predicted by IMD is likely to be Normal (96-104%). Hence Farmers should prepare the crop plan depending upon the land type, soil fertility and Variety availability, irrigation facility.**

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	16/04/2020	17/04/2020	18/04/2020	19/04/2020	20/04/2020
Rainfall(mm)	0	0	0	5	0
T-Max(°C)	40	41	41	42	40
T-Min(°C)	25	26	25	24	25
Cloud Cover(/octa)	2	2	2	4	3
RH Max (%)	41	43	64	57	68
RH Min (%)	15	15	13	14	15
Wind Speed (Kmph)	8	10	9	10	9
Wind Direction (deg)	203	203	191	203	160

COVID-19 ADVISORY: in view of threat of Corona virus, measures of personal hygiene and social distancing to be followed by those engaged in different farm operations. Farmers are advised to take adequate personal safety measures for loading and transporting of farm produce and while participating in sale at market/mandi.

Agromet Advisory

Due to likely increase in temperature, efficient water management is essential.

1. Sprinkler irrigation brings down the heat effect. 2. Irrigate in alternate rows. 3. Plan for irrigation observing the soil moisture and forecasted rain. 4. Adopt drip/sprinkler irrigation. 4. Apply mulches in row crops and around the fruit plants to maintain moisture status in the soil. 5. Mulching of leaves around newly planted cashewnut plants to conserve moisture. Irrigate 20 to 25 lit per plant. 6. Cover with paper caps on the newly planted vegetable seedlings during day time. 7. The high temperature increases the water requirement of maize crop. Irrigate the crop. Never allow water to remain stagnant for more than six hour in the field. Maize crop is at silking stage and top dress the crop with 8 kg N/acre. 8. Transplanting of vegetables should be done in afternoon hour to avoid high temperature. 9. Temperature is rising; animals may preferably be grazed during early morning to avoid exposure to extreme hot conditions. Proper ventilation should be maintained for free circulation of air in the sheds. 10. Due to high temperature and dry weather, make drinking water available around the animals and birds.

Summer Maize: Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbenazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyriphos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P₂O₅, and 16 Kg K₂O per acre. Go for sowing in lines at 45 x 15 cm.

Sesame: The early sown crop at 2 to 3 week stage. Go for weeding and hoeing. Apply 13 kg. urea followed by earthing up. Irrigate the crop after fertilizer application. Intercultural operations should be completed within 25 days as the flowering starts after 25 days. To control leaf webber, spray 400 ml Endosulphan. per acre.

Vegetables and fruits:

- Go for sowing of summer vegetables like ridge gourd, bottle gourd, bitter gourd, cucumber, cucurbita can be grown throughout the year. Grow the Improved varieties. Ridge gourd- Pusa Chikney, Bitter gourd- Mou sumi, Long green, Arka Harit, Nakhara, Bottle gourd-Pusa Summer, Prolific Round, Coimbatore 1, Coimbatore-2, Pusa Manjari and Pusa Meghdoot, Cucumber- Punerikhira, Green long and Chaitali, Cucurbita-Arka Suryamukhi, Arka Chandan, Basumati, Hybrid Vars. Can be grown. Ridge gourd- Surekha, Rohini, NRGS-7 Gourav, Bitter gourd-Hyb-49, Vivek, Shriya, White long, Green long, Bottle gourd-Pusa Meghdoot, Mulayam, Ganesh Gupta, New Swati, Harit and NBGH-2, Cucumber- Priya, Royal, Regal, Click, Lucky and Strike, Cucurbita-MPH-1
- Downymildew infestation** may occur after the rain in vegetables like cucumber, pumpkin, bittergourd. Spray 2g Metalaxyl + Mancozeb per litre of water 2 to 3 times. Current weather is favourable for attack of **fruit fly in cucurbits**. So install cue lure for mass trapping of the insects. Go for placement of poison baits and spraying of solution made with 2g Cartap hydrochloride+100g gur per litre of water.
- FRUIT AND SHOOT BORER IN BRINJAL**-Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval.
- Tomato**- In present weather condition, **fruit borer, leaf eating caterpillar and leaf miner** are major pest observed in the field. To control these pest, spray Spinosad 45SC@70ml/acre with 200 litres of water.
- Mango:** Spray NAA @ 0.4 g/15 litre of water at flowering stage and second spray at 4 week of fruit setting to increase fruit retention. Present condition is congenial for mango hopper, spray two rounds with imidacloprid 17.8% sl @ 0.3 ml/litre of water or thiamethoxam 25% wg @ 0.2 g/litre of water.

Dr. Dilip Ranjan Sarangi
(Nodal officer)

Debasish Jena
SMS (Agrometeorology)
Contact No-9861445080/7008453427



GRAMIN KRUSHI MAUSAM SEVA
INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK
(A Unit of ICAR-National Rice Research Institute)



Bulletin No-80
Date-15.04.2020

E-mail: kvkcuttack@gmail.com
AGROMET ADVISORY BULLETIN FOR NIALI

District Past week weather condition

The district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 23°C, respectively. Relative humidity of the district was around 74-50%. **According to NDVI map (01.04.2020 to 07.04.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-12 March 2020 to 08 April 2020), mildly wet condition was there.**

Forecasted period: 16th April 2020 to 20th April 2020

General Advisory: Light rain or thundershower with partly cloudy sky is forecasted on Saturday. The day temperature will 33-36°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 65-89% and 24-56% respectively. There will be clear to partly cloudy sky for next 5 days. **The south west monsoon (June-September) forecast in 2020 over the country, predicted by IMD is likely to be Normal (96-104%). Hence Farmers should prepare the crop plan depending upon the land type, soil fertility and Variety availability, irrigation facility.**

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	16/04/2020	17/04/2020	18/04/2020	19/04/2020	20/04/2020
Rainfall(mm)	0	0	0	6	0
T-Max(°C)	36	35	33	33	33
T-Min(°C)	27	27	26	26	26
Cloud Cover(octa)	2	1	0	4	3
RH Max (%)	65	67	84	89	86
RH Min (%)	24	28	42	56	47
Wind Speed(Kmph)	24	29	30	26	25
Wind Direction(deg)	203	203	203	203	203

COVID-19 ADVISORY: in view of threat of Corona virus, measures of personal hygiene and social distancing to be followed by those engaged in different farm operations. Farmers are advised to take adequate personal safety measures for loading and transporting of farm produce and while participating in sale at market/mandi.

Agromet Advisory

Due to likely increase in temperature, efficient water management is essential.

1. Sprinkler irrigation brings down the heat effect. 2. Irrigate in alternate rows. 3. Plan for irrigation observing the soil moisture and forecasted rain. 4. Adopt drip/sprinkler irrigation. 4. Apply mulches in row crops and around the fruit plants to maintain moisture status in the soil. 5. Mulching of leaves around newly planted cashewnut plants to conserve moisture. Irrigate 20 to 25 lit per plant. 6. Cover with paper caps on the newly planted vegetable seedlings during day time. 7. The high temperature increases the water requirement of maize crop. Irrigate the crop. Never allow water to remain stagnant for more than six hour in the field. Maize crop is at silking stage and top dress the crop with 8 kg N/acre. 8. Transplanting of vegetables should be done in afternoon hour to avoid high temperature. 9. Temperature is rising; animals may preferably be grazed during early morning to avoid exposure to extreme hot conditions. Proper ventilation should be maintained for free circulation of air in the sheds. 10. Due to high temperature and dry weather, make drinking water available around the animals and birds.

Summer Maize: Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbendazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyriphos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P2O5, and 16 Kg K2O per acre. Go for sowing in lines at 45 x15 cm.

Sesame: The early sown crop at 2 to 3 week stage. Go for weeding and hoeing. Apply 13 kg. urea followed by earthing up. Irrigate the crop after fertilizer application. Intercultural operations should be completed within 25 days as the flowering starts after 25 days. To control leaf webber, spray 400 ml Endosulphan. per acre.

Vegetables and fruits:

- Go for sowing of summer vegetables like ridge gourd, bottle gourd, bitter gourd, cucumber, cucurbita can be grown throughout the year. Grow the Improved varieties. Ridge gourd- Pusa Chikney, Bitter gourd- Mou sumi, Long green, Arka Harit, Nakhara .Bottle gourd-Pusa Summer, Prolific Round, Coimbatore 1, Coimbatore-2, Pusa Manjariand Pusa Meghdoot, Cucumber- Punerikhira, Green long and Chaitali, Cucurbita-Arka Suryamukhi, Arka Chandan, Basumati, Hybrid Vars. Can be grown. Ridge gourd- Surekha, Rohini, NRGs-7 Gourav, Bitter gourd-Hyb-49, Vivek, Shriya, White long , Bottle gourd-Pusa Meghdoot, Mulayam, Ganesh Gupta, New Swati, Harit and NBGH-2, Cucumber- Priya, Royal, Regal, Click, Lucky and Strike, Cucurbita-MPH-1
- Downymildew infestation** may occur after the rain in vegetables like cucumber, pumpkin, bittergourd. Spray 2g Metalaxyl + Mancozeb per litre of water 2 to 3 times. Current weather is favourable for attack of **fruit fly in cucurbits**. So install cuelure for mass trapping of the insects. Go for placement of poison baits and spraying of solution made with 2g Cartap hydrochloride+100g gur per litre of water.
- FRUIT AND SHOOT BORER IN BRINJAL**-Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval.
- Tomato**- In present weather condition, **fruit borer, leaf eating caterpillar and leaf miner** are major pest observed in the field. To control these pest, spray Spinosad 45SC@70ml/acre with 200 litres of water.
- Mango:** Spray NAA @ 0.4 g/15 litre of water at flowering stage and second spray at 4 week of fruit setting to increase fruit retention. Present condition is congenial for mango hopper, spray two rounds with imidacloprid 17.8% sl @ 0.3 ml/litre of water or thiamethoxam 25% wg @ 0.2 g/litre of water.

Dr.Dilip Ranjan Sarangi

(Nodal officer)

Debasish Jena

SMS (Agrometeorology)

Contact No-9861445080/7008453427



GRAMIN KRUSHI MAUSAM SEVA
INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK
(A Unit of ICAR-National Rice Research Institute)



Bulletin No-72
Date-17.03.2020

E-mail: kykcuttack@gmail.com
AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI
District Past week weather condition

The district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 23°C, respectively. Relative humidity of the district was around 74-50%. **According to NDVI map (01.04.2020 to 07.04.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-12 March 2020 to 08 April 2020), mildly wet condition was there.**

Forecasted period: 16th April 2020 to 20th April 2020

General Advisory: Light rain or thundershower with partly cloudy sky is forecasted on Saturday. The day temperature will 34-37°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 57-90% and 19-43% respectively. There will be clear to partly cloudy sky for next 5 days. **The south west monsoon (June-September) forecast in 2020 over the country, predicted by IMD is likely to be Normal (96-104%). Hence Farmers should prepare the crop plan depending upon the land type, soil fertility and Variety availability, irrigation facility.**

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	16/04/2020	17/04/2020	18/04/2020	19/04/2020	20/04/2020
Rainfall(mm)	0	0	0	7	0
T-Max(°C)	37	37	36	34	36
T-Min(°C)	28	27	27	26	26
Cloud Cover(octa)	2	1	1	4	3
RH Max (%)	57	62	80	90	83
RH Min (%)	19	21	29	43	33
Wind Speed (Kmph)	21	26	29	24	23
Wind Direction (deg)	204	203	203	203	203

COVID-19 ADVISORY: in view of threat of Corona virus, measures of personal hygiene and social distancing to be followed by those engaged in different farm operations. Farmers are advised to take adequate personal safety measures for loading and transporting of farm produce and while participating in sale at market/mandi.

Agromet Advisory

Due to likely increase in temperature, efficient water management is essential.

1. Sprinkler irrigation brings down the heat effect. 2. Irrigate in alternate rows. 3. Plan for irrigation observing the soil moisture and forecasted rain. 4. Adopt drip/sprinkler irrigation. 4. Apply mulches in row crops and around the fruit plants to maintain moisture status in the soil. 5. Mulching of leaves around newly planted cashewnut plants to conserve moisture. Irrigate 20 to 25 lit per plant. 6. Cover with paper caps on the newly planted vegetable seedlings during day time. 7. The high temperature increases the water requirement of maize crop. Irrigate the crop. Never allow water to remain stagnant for more than six hour in the field. Maize crop is at silking stage and top dress the crop with 8 kg N/acre. 8. Transplanting of vegetables should be done in afternoon hour to avoid high temperature. 9. Temperature is rising; animals may preferably be grazed during early morning to avoid exposure to extreme hot conditions. Proper ventilation should be maintained for free circulation of air in the sheds. 10. Due to high temperature and dry weather, make drinking water available around the animals and birds.

Summer Maize: Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbendazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyriphos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P2O5, and 16 Kg K2O per acre. Go for sowing in lines at 45 x15 cm.

Sesame: The early sown crop at 2 to 3 week stage. Go for weeding and hoeing. Apply 13 kg. urea followed by earthing up. Irrigate the crop after fertilizer application. Intercultural operations should be completed within 25 days as the flowering starts after 25 days. To control leaf webber, spray 400 ml Endosulphan. per acre.

Vegetables and fruits:

- Go for sowing of summer vegetables like ridge gourd, bottle gourd, bitter gourd, cucumber, cucurbita can be grown throughout the year. Grow the Improved varieties. Ridge gourd- Pusa Chikney, Bitter gourd- Mou sumi, Long green, Arka Harit, Nakhara .Bottle gourd-Pusa Summer, Prolific Round, Coimbatore 1, Coimbatore-2, Pusa Manjariand Pusa Meghdoot, Cucumber- Punerikhira, Green long and Chaitali, Cucurbita-Arka Suryamukhi, Arka Chandan, Basumati, Hybrid Vars. Can be grown. Ridge gourd- Surekha, Rohini, NRGs-7 Gourav, Bitter gourd-Hyb-49, Vivek, Shriya, White long, Green long , Bottle gourd-Pusa Meghdoot, Mulayam, Ganesh Gupta, New Swati, Harit and NBGH-2, Cucumber- Priya, Royal, Regal, Click, Lucky and Strike, Cucurbita-MPH-1
- Downymildew infestation** may occur after the rain in vegetables like cucumber, pumpkin, bittergourd. Spray 2g Metalaxyl + Mancozeb per litre of water 2 to 3 times. Current weather is favourable for attack of **fruit fly in cucurbits**. So install cuelure for mass trapping of the insects. Go for placement of poison baits and spraying of solution made with 2g Cartap hydrochloride+100g gur per litre of water.
- FRUIT AND SHOOT BORER IN BRINJAL**-Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval.
- Tomato**- In present weather condition, **fruit borer, leaf eating caterpillar and leaf miner** are major pest observed in the field. To control these pest, spray Spinosad 45SC@70ml/acre with 200 litres of water.
- Mango:** Spray NAA @ 0.4 g/15 litre of water at flowering stage and second spray at 4 week of fruit setting to increase fruit retention. Present condition is congenial for mango hopper, spray two rounds with imidacloprid 17.8% sl @ 0.3 ml/litre of water or thiamethoxam 25% wg @ 0.2 g/litre of water.

Dr.Dilip Ranjan Sarangi
(Nodal officer)

Debasish Jena
SMS (Agrometeorology)
Contact No-9861445080/7008453427



GRAMIN KRUSHI MAUSAM SEVA
INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK
(A Unit of ICAR-National Rice Research Institute)



Bulletin No-80
Date-15.04.2020

E-mail: kykcuttack@gmail.com
AGROMET ADVISORY BULLETIN FOR SALEPUR

District Past week weather condition

The district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 23°C, respectively. Relative humidity of the district was around 74-50%. **According to NDVI map (01.04.2020 to 07.04.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-12 March 2020 to 08 April 2020), mildly wet condition was there.**

Forecasted period: 16th April 2020 to 20th April 2020

General Advisory: Light rain or thundershower with partly cloudy sky is forecasted on Saturday. The day temperature will 34-37°C and night temperature will be 26-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 58-91% and 19-41% respectively. There will be clear to partly cloudy sky for next 5 days. **The south west monsoon (June-September) forecast in 2020 over the country, predicted by IMD is likely to be Normal (96-104%). Hence Farmers should prepare the crop plan depending upon the land type, soil fertility and Variety availability, irrigation facility.**

Block	Salepur(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	16/04/2020	17/04/2020	18/04/2020	19/04/2020	20/04/2020
Rainfall(mm)	0	0	0	8	0
T-Max(°C)	37	37	36	34	36
T-Min(°C)	28	27	27	26	26
Cloud Cover(octa)	2	1	1	4	3
RH Max (%)	58	62	80	91	84
RH Min (%)	19	21	28	41	32
Wind Speed (Kmph)	20	26	28	23	23
Wind Direction (deg)	204	203	203	203	203

COVID-19 ADVISORY: in view of threat of Corona virus, measures of personal hygiene and social distancing to be followed by those engaged in different farm operations. Farmers are advised to take adequate personal safety measures for loading and transporting of farm produce and while participating in sale at market/mandi.

Agromet Advisory

Due to likely increase in temperature, efficient water management is essential.

1. Sprinkler irrigation brings down the heat effect. 2. Irrigate in alternate rows. 3. Plan for irrigation observing the soil moisture and forecasted rain. 4. Adopt drip/sprinkler irrigation. 4. Apply mulches in row crops and around the fruit plants to maintain moisture status in the soil. 5. Mulching of leaves around newly planted cashewnut plants to conserve moisture. Irrigate 20 to 25 lit per plant. 6. Cover with paper caps on the newly planted vegetable seedlings during day time. 7. The high temperature increases the water requirement of maize crop. Irrigate the crop. Never allow water to remain stagnant for more than six hour in the field. Maize crop is at silking stage and top dress the crop with 8 kg N/acre. 8. Transplanting of vegetables should be done in afternoon hour to avoid high temperature. 9. Temperature is rising; animals may preferably be grazed during early morning to avoid exposure to extreme hot conditions. Proper ventilation should be maintained for free circulation of air in the sheds. 10. Due to high temperature and dry weather, make drinking water available around the animals and birds.

Summer Maize: Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbendazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyriphos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P2O5, and 16 Kg K2O per acre. Go for sowing in lines at 45 x15 cm.

Sesame: The early sown crop at 2 to 3 week stage. Go for weeding and hoeing. Apply 13 kg. urea followed by earthing up. Irrigate the crop after fertilizer application. Intercultural operations should be completed within 25 days as the flowering starts after 25 days. To control leaf webber, spray 400 ml Endosulphan. per acre.

Vegetables and fruits:

- Go for sowing of summer vegetables like ridge gourd, bottle gourd, bitter gourd, cucumber, cucurbita can be grown throughout the year. Grow the Improved varieties. Ridge gourd- Pusa Chikney, Bitter gourd- Mou sumi, Long green, Arka Harit, Nakhara .Bottle gourd-Pusa Summer, Prolific Round, Coimbatore 1, Coimbatore-2, Pusa Manjariand Pusa Meghdoot, Cucumber- Punerikhira, Green long and Chaitali, Cucurbita-Arka Suryamukhi, Arka Chandan, Basumati, Hybrid Vars. Can be grown. Ridge gourd- Surekha, Rohini, NRGs-7 Gourav, Bitter gourd-Hyb-49, Vivek, Shriya, White long, Green long , Bottle gourd-Pusa Meghdoot, Mulayam, Ganesh Gupta, New Swati, Harit and NBGH-2, Cucumber- Priya, Royal, Regal, Click, Lucky and Strike, Cucurbita-MPH-1
- Downymildew infestation** may occur after the rain in vegetables like cucumber, pumpkin, bittergourd. Spray 2g Metalaxyl + Mancozeb per litre of water 2 to 3 times. Current weather is favourable for attack of **fruit fly in cucurbits**. So install cuelure for mass trapping of the insects. Go for placement of poison baits and spraying of solution made with 2g Cartap hydrochloride+100g gur per litre of water.
- FRUIT AND SHOOT BORER IN BRINJAL**-Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval.
- Tomato**- In present weather condition, **fruit borer, leaf eating caterpillar and leaf miner** are major pest observed in the field. To control these pest, spray Spinosad 45%SC@70ml/acre with 200 litres of water.
- Mango:** Spray NAA @ 0.4 g/15 litre of water at flowering stage and second spray at 4 week of fruit setting to increase fruit retention. Present condition is congenial for mango hopper, spray two rounds with imidacloprid 17.8% sl @ 0.3 ml/litre of water or thiamethoxam 25% wg @ 0.2 g/litre of water.

Dr.Dilip Ranjan Sarangi
(Nodal officer)

Debasish Jena
SMS (Agrometeorology)
Contact No-9861445080/7008453427



GRAMIN KRUSHI MAUSAM SEVA
INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK
(A Unit of ICAR-National Rice Research Institute)



Bulletin No-72
Date-17.03.2020

E-mail: kvkcuttack@gmail.com

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUWAR

District Past week weather condition

The district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 23°C, respectively. Relative humidity of the district was around 74-50%. **According to NDVI map (01.04.2020 to 07.04.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-12 March 2020 to 08 April 2020), mildly wet condition was there.**

Forecasted period: 16th April 2020 to 20th April 2020

General Advisory: Light rain or thundershower with partly cloudy sky is forecasted on Saturday. The day temperature will 35-38°C and night temperature will be 28-29°C for upcoming 5 days. Maximum and minimum relative humidity will be 67-86% and 35-59% respectively. There will be clear to partly cloudy sky for next 5 days. **The south west monsoon (June-September) forecast in 2020 over the country, predicted by IMD is likely to be Normal (96-104%). Hence Farmers should prepare the crop plan depending upon the land type, soil fertility and Variety availability, irrigation facility.**

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	16/04/2020	17/04/2020	18/04/2020	19/04/2020	20/04/2020
Rainfall(mm)	0	0	0	6	0
T-Max(°C)	38	37	35	35	35
T-Min(°C)	29	29	28	28	28
Cloud Cover(octa)	1	1	0	4	3
RH Max (%)	67	70	80	86	83
RH Min (%)	35	36	48	59	56
Wind Speed (Kmph)	27	31	32	29	28
Wind Direction (deg)	204	203	203	203	203

COVID-19 ADVISORY: in view of threat of Corona virus, measures of personal hygiene and social distancing to be followed by those engaged in different farm operations. Farmers are advised to take adequate personal safety measures for loading and transporting of farm produce and while participating in sale at market/mandi.

Agromet Advisory

Due to likely increase in temperature, efficient water management is essential.

1. Sprinkler irrigation brings down the heat effect. 2. Irrigate in alternate rows. 3. Plan for irrigation observing the soil moisture and forecasted rain. 4. Adopt drip/sprinkler irrigation. 4. Apply mulches in row crops and around the fruit plants to maintain moisture status in the soil. 5. Mulching of leaves around newly planted cashewnut plants to conserve moisture. Irrigate 20 to 25 lit per plant. 6. Cover with paper caps on the newly planted vegetable seedlings during day time. 7. The high temperature increases the water requirement of maize crop. Irrigate the crop. Never allow water to remain stagnant for more than six hour in the field. Maize crop is at silking stage and top dress the crop with 8 kg N/acre. 8. Transplanting of vegetables should be done in afternoon hour to avoid high temperature. 9. Temperature is rising; animals may preferably be grazed during early morning to avoid exposure to extreme hot conditions. Proper ventilation should be maintained for free circulation of air in the sheds. 10. Due to high temperature and dry weather, make drinking water available around the animals and birds.

Summer Maize: Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbenazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyriphos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P₂O₅, and 16 Kg K₂O per acre. Go for sowing in lines at 45 x15 cm.

Sesame: The early sown crop at 2 to 3 week stage. Go for weeding and hoeing. Apply 13 kg. urea followed by earthing up. Irrigate the crop after fertilizer application. Intercultural operations should be completed within 25 days as the flowering starts after 25 days. To control leaf webber, spray 400 ml Endosulphan. per acre.

Vegetables and fruits:

- Go for sowing of summer vegetables like ridge gourd, bottle gourd, bitter gourd, cucumber, cucurbita can be grown throughout the year. Grow the Improved varieties. Ridge gourd- Pusa Chikney, Bitter gourd- Mou sumi, Long green, Arka Harit, Nakhara, Bottle gourd-Pusa Summer, Prolific Round, Coimbatore 1, Coimbatore-2, Pusa Manjari and Pusa Meghdoot, Cucumber- Punerikhira, Green long and Chaitali, Cucurbita-Arka Suryamukhi, Arka Chandan, Basumati, Hybrid Vars. Can be grown. Ridge gourd- Surekha, Rohini, NRG-7 Gourav, Bitter gourd-Hyb-49, Vivek, Shriya, White long, Green long, Bottle gourd-Pusa Meghdoot, Mulayam, Ganesh Gupta, New Swati, Harit and NBGH-2, Cucumber- Priya, Royal, Regal, Click, Lucky and Strike, Cucurbita-MPH-1
- Downy mildew infestation** may occur after the rain in vegetables like cucumber, pumpkin, bittergourd. Spray 2g Metalaxyl + Mancozeb per litre of water 2 to 3 times. Current weather is favourable for attack of **fruit fly in cucurbits**. So install cue lure for mass trapping of the insects. Go for placement of poison baits and spraying of solution made with 2g Cartap hydrochloride+100g gur per litre of water.
- FRUIT AND SHOOT BORER IN BRINJAL**-Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval.
- Tomato**- In present weather condition, **fruit borer, leaf eating caterpillar and leaf miner** are major pest observed in the field. To control these pest, spray Spinosad 45SC@70ml/acre with 200 litres of water.
- Mango:** Spray NAA @ 0.4 g/15 litre of water at flowering stage and second spray at 4 week of fruit setting to increase fruit retention. Present condition is congenial for mango hopper, spray two rounds with imidacloprid 17.8% sl @ 0.3 ml/litre of water or thiamethoxam 25% wg @ 0.2 g/litre of water.

Dr. Dilip Ranjan Sarangi
(Nodal officer)

Debasish Jena

SMS (Agrometeorology)

Contact No-9861445080/7008453427



GRAMIN KRUSHI MAUSAM SEVA
INDIA METEOROLOGICAL DEPARTMENT
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KRISHI VIGYAN KENDRA CUTTACK
(A Unit of ICAR-National Rice Research Institute)



Bulletin No-80
Date-15.04.2020

E-mail: kvkcuttack@gmail.com

AGROMET ADVISORY BULLETIN FOR TIGIRIA

District Past week weather condition

The district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 38°C and 23°C, respectively. Relative humidity of the district was around 74-50%. *According to NDVI map (01.04.2020 to 07.04.2020) the agriculture vigor was moderate over maximum blocks, whereas according to SPI value (cumulative 4weeks-12 March 2020 to 08 April 2020), mildly wet condition was there.*

Forecasted period: 16th April 2020 to 20th April 2020

General Advisory: Light rain or thundershower with partly cloudy sky is forecasted on Saturday. The day temperature will 38-40°C and night temperature will be 24-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 51-88% and 15-21% respectively. There will be clear to partly cloudy sky for next 5 days. *The south west monsoon (June-September) forecast in 2020 over the country, predicted by IMD is likely to be Normal (96-104%). Hence Farmers should prepare the crop plan depending upon the land type, soil fertility and Variety availability, irrigation facility.*

Block	Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	16/04/2020	17/04/2020	18/04/2020	19/04/2020	20/04/2020
Rainfall(mm)	0	0	0	8	0
T-Max(°C)	38	39	40	39	40
T-Min(°C)	27	26	25	24	25
Cloud Cover(octa)	2	2	3	4	3
RH Max (%)	51	54	77	88	83
RH Min (%)	16	16	15	21	20
Wind Speed (Kmph)	12	16	16	13	14
Wind Direction (deg)	198	204	199	180	191

COVID-19 ADVISORY: in view of threat of Corona virus, measures of personal hygiene and social distancing to be followed by those engaged in different farm operations. Farmers are advised to take adequate personal safety measures for loading and transporting of farm produce and while participating in sale at market/mandi.

Agromet Advisory

Due to likely increase in temperature, efficient water management is essential.

1. Sprinkler irrigation brings down the heat effect. 2. Irrigate in alternate rows. 3. Plan for irrigation observing the soil moisture and forecasted rain. 4. Adopt drip/sprinkler irrigation. 4. Apply mulches in row crops and around the fruit plants to maintain moisture status in the soil. 5. Mulching of leaves around newly planted cashewnut plants to conserve moisture. Irrigate 20 to 25 lit per plant. 6. Cover with paper caps on the newly planted vegetable seedlings during day time. 7. The high temperature increases the water requirement of maize crop. Irrigate the crop. Never allow water to remain stagnant for more than six hour in the field. Maize crop is at silking stage and top dress the crop with 8 kg N/acre. 8. Transplanting of vegetables should be done in afternoon hour to avoid high temperature. 9. Temperature is rising; animals may preferably be grazed during early morning to avoid exposure to extreme hot conditions. Proper ventilation should be maintained for free circulation of air in the sheds. 10. Due to high temperature and dry weather, make drinking water available around the animals and birds.

Summer Maize: Complete maize sowing by this week. Late sowing afterwards may reduce the yield due to high temperature during April and May. Grow composite varieties like Dhabal and Navjot and Hybrids like Decca, Ganga, Deccan 105, Kargil 900-M, PRO 345, Kargil 633, etc. Use 6 kg seeds per acre. Treat the seeds with 1.5 g Carbendazim or 3 g Thiram per kg seed. Apply 4 to 5 q lime per acre 15 days before sowing. 10 Kg of 1.5% Chloropyriphos dust should be applied to avoid white ant attack. Apply 16 Kg N, 16 Kg. P2O5, and 16 Kg K2O per acre. Go for sowing in lines at 45 x 15 cm.

Sesame: The early sown crop at 2 to 3 week stage. Go for weeding and hoeing. Apply 13 kg. urea followed by earthing up. Irrigate the crop after fertilizer application. Intercultural operations should be completed within 25 days as the flowering starts after 25 days. To control leaf webber, spray 400 ml Endosulphan. per acre.

Vegetables and fruits:

- Go for sowing of summer vegetables like ridge gourd, bottle gourd, bitter gourd, cucumber, cucurbita can be grown throughout the year. Grow the Improved varieties. Ridge gourd- Pusa Chikney, Bitter gourd- Mou sumi, Long green, Arka Harit, Nakhara ,Bottle gourd-Pusa Summer, Prolific Round, Coimbatore 1, Coimbatore-2, Pusa Manjariand Pusa Meghdoot, Cucumber- Punerikhira, Green long and Chaitali, Cucurbita-Arka Suryamukhi, Arka Chandan, Basumati, Hybrid Vars. Can be grown. Ridge gourd- Surekha, Rohini, NRGs-7 Gourav, Bitter gourd-Hyb-49, Vivek, Shriya, White long, Green long , Bottle gourd-Pusa Meghdoot, Mulayam, Ganesh Gupta, New Swati, Harit and NBGH-2, Cucumber- Priya, Royal, Regal, Click, Lucky and Strike, Cucurbita-MPH-1
- Drownymildew infestation** may occur after the rain in vegetables like cucumber, pumpkin, bittergourd. Spray 2g Metalaxyl + Mancozeb per litre of water 2 to 3 times. Current weather is favourable for attack of **fruit fly in cucurbits**. So install cueleur for mass trapping of the insects. Go for placement of poison baits and spraying of solution made with 2g Cartap hydrochloride+100g gur per litre of water.
- FRUIT AND SHOOT BORER IN BRINJAL**-Spray Neem based pesticide 1500ppm@600ml/acre at initial stages. Later on go for alternate spray of Spinosad 45%SC@70ml/acre and Thiodicarb@250g/acre at 15 days interval.
- Tomato**- In present weather condition, **fruit borer, leaf eating caterpillar and leaf miner** are major pest observed in the field. To control these pest, spray Spinosad 45SC@70ml/acre with 200 litres of water.
- Mango:** Spray NAA @ 0.4 g/15 litre of water at flowering stage and second spray at 4 week of fruit setting to increase fruit retention. Present condition is congenial for mango hopper, spray two rounds with imidacloprid 17.8% sl @ 0.3 ml/litre of water or thiamethoxam 25% wg @ 0.2 g/litre of water.

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