

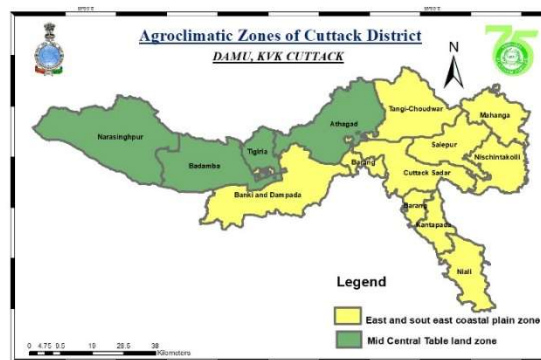


GRAMIN KRISHI MAUSAM SEWA
INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK
 (A Unit of ICAR-National Rice Research Institute)
 Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com

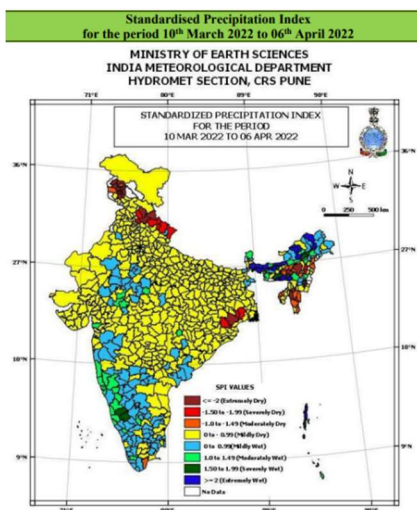


Bulletin No.-287
Date- 12/04/2022

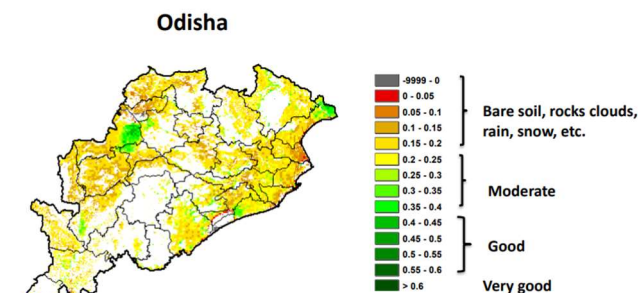
AGROCLIMATIC ZONES OF CUTTACK DISTRICT:



STANDARD PRECIPITATION INDEX AND NDVI MAP



**NOAA/VIIIRS/BLENDED NDVI Composite ending on Week no 14
 (02.04.2022 to 08.04.2022) over Agricultural region**



Agriculture vigour is good over isolated pockets of the state.

As per SPI value (cumulative 4weeks -10 March 2022 – 06th April 2022), mildly dry condition was there in Cuttack district.

According to NDVI map (02.04.2022 to 08.04.2022) the agriculture vigor was light to moderate over isolated places of Cuttack district and very light over some places of Cuuatack sadar, Baarnga, Athagad, Tangi, Tigiria, Banki Dampara.

LEGEND (Medium range block level rainfall forecast)

	No Rainfall	00 mm
	Very light rainfall	01-05 mm
	Light rainfall	06-10 mm
	Light to moderate rainfall	11-30 mm
	Moderate to heavy rainfall	31-65 mm
	Heavy to very heavy rainfall	66-115 mm
	Extremely heavy rainfall	>116 mm

Dr Sujata Sethy
 (Nodal officer)



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



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Bulletin No.-287
 Date- 12/04/2022

Met Sub division	Extended range outlook for subsequent 1 week (6 th to 12 th days) (17-23 April 2022)		
Odisha	<i>Parameter</i>	<i>Departure (%)</i>	<i>Category</i>
	Rainfall	-54.96	Below Normal
	<i>Parameter</i>	<i>Anomaly</i>	<i>Category</i>
	Maximum temperature	1.59	Above Normal
	Minimum temperature	-0.45	Normal

General Agromet Advisory:- As There will be below normal rainfall and above normal maximum temperature is forecasted in subsequent week, after upcoming 5 days, so farmers are advised to go for harvesting of matured green gram, black gram, groundnut and mustard in upcoming 5 days as well as subsequent week and are advised to go for frequent irrigation and mulching in soil to maintain the soil moisture demand of crop and vegetables .

Dr Sujata Sethy
 (Nodal officer)



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Debasish Jena
 SMS (Agrometeorology)
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Bulletin No.-287

Date- 12/04/2022

Weather (Past and Forecasted) based Disease and pest in Major Crops and vegetables

Sl No	Crop	Stage and condition of the crop	Anticipated Disease and pest	
1	Pulses (Green gram and black gram)	Flowering to pod development		Cercospora Leaf spot
				Leaf blight
				Rust
				Wilting
2	Brinjal	Fruiting		Fruit and shoot borer
				Phomopsis Blight
				Cercospora leaf spot
				Helicoverpa caterpillar
3	Tomato	Fruting		Bacterial wilt
4	Cucurbits	Flowering to Fruiting stage		Red Pumpkin beetle

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				Leaf spot
				Late blight
				Stem Rot
				Downy Mildew
				Fruit rot

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Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com



Bulletin No.-287
Date- 12/04/2022

AGROMET ADVISORY BULLETIN FOR ATHAGAD

District Past week average weather condition and Block past week average Rainfall condition

The block received average 0mm and district received average 0mm rainfall during the last week. The mean daily maximum and minimum temperature was **34.71°C (-2.71°C from normal)** and **25.57°C (+1.9°C from normal)**, respectively. Mean relative humidity of the district was around 72-82%.

Forecasted period: Today(8.30IST) to 17thApril (8.30IST)2022

Weather advisory: *Very light rainfall / Thundershower is forecasted for Thursday and Friday and Dry weather is forecasted for other 3days in the block.* The day temperature will be **36-39°C** and night temperature will be **27-28°C** for upcoming 5 days. Maximum and minimum relative humidity will be 67-95% and 15-24% respectively. **There will be clear to partly cloudy sky for next 5days.**

Block	Athagad(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	12/04/2022	13/04/2022	14/04/2022	15/04/2022	16/04/2022
Rainfall (mm)	0	0	5	2	0
T-Max (°C)	38	38	37	36	39
T-Min (°C)	27	28	27	28	27
Cloud Cover (octa)	2	2	2	3	0
RH Max (%)	82	67	91	95	94
RH Min (%)	18	15	24	24	24
Wind Speed (kmph)	17	21	19	17	21
Wind Direction (deg)	201	203	198	180	191

Agromet Advisory

General advisory: *Harvest matured mustard, groundnut, potato, cucurbits and other vegetables before thundershower and keep it in safer places. Farmers should carry out intercultural operations and fertilizer, pesticide applications in dry days. It is the ideal time for sowing of cowpea, okra, cluster bean, pumpkin, cucumber and watermelon. Carry out transplanting of vegetables in afternoon hours. Farmers should stop irrigation activities on rainy days.*

Pulses:

November to December sown crop is at pod formation to seed development (nine to twelve week) stage. **Bacterial leaf blight** are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. **Rust infestation** likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If **wilting** will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control. Present weather is congenial for **Cercospora leaf spot** infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

Summer Maize:

Complete maize sowing by this after receipt of rainfall under optimum soil moisture condition. 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.

Vegetables:

Okra: Now the weather is optimum for okra planting. It can be grown throughout the year. Grow improved high yielding varieties - Utkal Gourav, Arka Anamika, Uphar, Parvati kranti and Hybrid Vars. can be grown - Varsa, Vijay, Vishal, Tara, Adhunik, Atyadhunik, and Supriy. Plough the land thoroughly and remove the weeds. Apply 10 cartloads of FYM per acre during final land preparation and apply 45:25 :35kg NPK/acre as basal for improved vars and 20-25 cartloads of FYM per acre during final land preparation and apply 80:40:40 kg NPK/acre as basal for improved vars. For line sowing use 5 to 7 Kg seeds/acre for improved Vars. and 1250 to 1500 g seeds/acre for hybrid Vars. Sow the seeds in lines at 30x30cm space for improved Vars. and at 60x45 cm. spacing for hybrid Varieties.

Brinjal:

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. If **phomopsis blight** will occur in brinjal, then spray zineb75%WP 2gram/litr of water. **Cercospora leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb75%WP 2gram/litr of water. If **helioverpa infestation** will be found, spray Flunendiamide or indoxacarb 2ml/litr of water.

Cucurbits:

To manage **Red Pumpkin Beetle** in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/ acre or Chlorpyriphos 20% EC @ 400-ml/acre. **Late Blight** may happen due to rising day temperature. There are chances of infestation of **Downy Mildew**, leaf in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre.

Pointed gourd is at flowering and fruiting stage. Don't go for weeding .The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot.

High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. Present weather may aggravate fruit and vine rot (symptoms: **leaf spot, leaf blight, stem rot, fruit rot**) of pointed gourd. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Animal husbandry: Keep farm animals indoor during thunderstorm period.

Dr Sujata Sethy
(Nodal officer)



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Debasish Jena
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DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK
(A Unit of ICAR-National Rice Research Institute)
Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com



Bulletin No.-287
Date- 12/04/2022

AGROMET ADVISORY BULLETIN FOR BADAMBA

District Past week average weather condition and Block past week average Rainfall condition

The block received average 0mm and district received average 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was **34.71°C (-2.71°C from normal)** and **25.57°C (+1.9°C from normal)**, respectively. Mean relative humidity of the district was around 72-82%.

Forecasted period: Today(8.30IST) to 17th April(8.30IST)2022

Weather advisory: *Very light rainfall / Thundershower is forecasted for Thursday and Friday and Dry weather is forecasted for other 3 days in the block.* The day temperature will be **37-40°C** and night temperature will be **26-28°C** for upcoming 5 days. Maximum and minimum relative humidity will be 57-94% and 14-23% respectively. **There will be clear to partly cloudy sky for next 5 days.**

Block	Badamba (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	12/04/2022	13/04/2022	14/04/2022	15/04/2022	16/04/2022
Rainfall(mm)	0	0	3	2	0
T-Max(°C)	38	39	37	38	40
T-Min(°C)	26	28	27	28	27
Cloud Cover(octa)	2	3	3	3	1
RH Max (%)	79	57	83	93	94
RH Min (%)	17	14	23	21	22
Wind Speed (Kmph)	14	17	16	13	17
Wind Direction (deg)	180	201	180	167	193

Agromet Advisory

General advisory: *Harvest matured mustard, groundnut, potato, cucurbits and other vegetables before thundershower and keep it in safer places. Farmers should carry out intercultural operations and fertilizer, pesticide applications in dry days. It is the ideal time for sowing of cowpea, okra, cluster bean, pumpkin, cucumber and watermelon. Carry out transplanting of vegetables in afternoon hours. Farmers should stop irrigation activities on rainy days.*

Pulses:

November to December sown crop is at pod formation to seed development (nine to twelve week) stage. **Bacterial leaf blight** are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. **Rust infestation** likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If **wilting** will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control. Present weather is congenial for **Cercospora leaf spot** infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

Summer Maize:

Complete maize sowing by this after receipt of rainfall under optimum soil moisture condition. 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% Chloropyrifos 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.

Vegetables:

Okra: Now the weather is optimum for okra planting. It can be grown throughout the year. Grow improved high yielding varieties - Utkal Gourav, Arka Anamika, Uphar, Parvati kranti and Hybrid Vars. can be grown - Varsa, Vijay, Vishal, Tara, Adhunik, Atyadhunik, and Supriy. Plough the land thoroughly and remove the weeds. Apply 10 cartloads of FYM per acre during final land preparation and apply 45:25 :35kg NPK/acre as basal for improved vars and 20-25 cartloads of FYM per acre during final land preparation and apply 80:40:40 kg NPK/acre as basal for improved vars. For line sowing use 5 to 7 Kg seeds/acre for improved Vars. and 1250 to 1500 g seeds/acre for hybrid Vars. Sow the seeds in lines at 30x30cm space for improved Vars. and at 60x45 cm. spacing for hybrid Varieties.

Brinjal:

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. If **phomopsis blight** will occur in brinjal, then spray zineb75%WP 2gram/litr of water. **Cercospora leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb75%WP 2gram/litr of water. If **helicoverpa infestation** will be found, spray Flunendiamide or indoxacarb 2ml/litr of water.

Cucurbits:

To manage **Red Pumpkin Beetle** in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/ acre or Chlorpyrifos 20% EC @ 400-ml/acre. **Late Blight** may happen due to rising day temperature. There are chances of infestation of **Downy Mildew**, leaf in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre.

Pointed gourd is at flowering and fruiting stage. Don't go for weeding .The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot.

High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. Present weather may aggravate fruit and vine rot (symptoms: **leaf spot, leaf blight, stem rot, fruit rot**) of pointed gourd. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Animal husbandry: Keep farm animals indoor during thunderstorm period.

Dr Sujata Sethy
(Nodal officer)



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Debasish Jena
SMS (Agrometeorology)
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(A Unit of ICAR-National Rice Research Institute)
Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com



Bulletin No.-287
Date- 12/04/2022

AGROMET ADVISORY BULLETIN FOR BANKI

District Past week average weather condition

The district received average 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was **34.71°C (-2.71°C from normal)** and 25.57°C (+1.9°C from normal), respectively. Mean relative humidity of the district was around 72-82%.

Forecasted period: Today(8.30IST) to 17th April(8.30IST)2022

Weather advisory: *Very light rainfall / Thundershower is forecasted for Thursday and Friday and Dry weather is forecasted for other 3 days in the block.* The day temperature will be 37-39°C and night temperature will be 27-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 66-95% and 17-28% respectively. **There will be clear to partly cloudy sky for next 5 days.**

Block	Banki (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	12/04/2022	13/04/2022	14/04/2022	15/04/2022	16/04/2022
Rainfall(mm)	0	0	3	2	0
T-Max(°C)	38	39	37	37	39
T-Min(°C)	27	28	27	28	27
Cloud Cover(octa)	1	2	3	3	0
RH Max (%)	81	66	89	95	94
RH Min (%)	21	17	27	28	26
Wind Speed (Kmph)	18	21	20	17	22
Wind Direction (deg)	198	203	198	167	193

Agromet Advisory

General advisory: *Harvest matured mustard, groundnut, potato, cucurbits and other vegetables before thundershower and keep it in safer places. Farmers should carry out intercultural operations and fertilizer, pesticide applications in dry days. It is the ideal time for sowing of cowpea, okra, cluster bean, pumpkin, cucumber and watermelon. Carry out transplanting of vegetables in afternoon hours. Farmers should stop irrigation activities on rainy days.*

Pulses:

November to December sown crop is at pod formation to seed development (nine to twelve week) stage. **Bacterial leaf blight** are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. **Rust infestation** likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If **wilting** will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control. Present weather is congenial for **Cercospora leaf spot** infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

Summer Maize:

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Vegetables:

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Brinjal:

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Cucurbits:

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Pointed gourd is at flowering and fruiting stage. Don't go for weeding .The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot.

High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. Present weather may aggravate fruit and vine rot (symptoms: **leaf spot, leaf blight, stem rot, fruit rot**) of pointed gourd. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Animal husbandry: Keep farm animals indoor during thunderstorm period.

Dr Sujata Sethy
(Nodal officer)



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



GRAMIN KRISHIMAUSAM SEWA INDIA METEOROLOGICAL DEPARTMENT DISTRICT AGROMET UNIT KRISHI VIGYAN KENDRA CUTTACK

(A Unit of ICAR-National Rice Research Institute)

Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com



Bulletin No.-287

Date- 12/04/2022

AGROMET ADVISORY BULLETIN FOR BANKI-DAMPARA

District Past week average weather condition and Block past week average Rainfall condition

The block received average 0mm and district received average 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34.71°C (-2.71°C from normal) and 25.57°C (+1.9°C from normal), respectively. Mean relative humidity of the district was around 72-82%.

Forecasted period: Today(8.30IST) to 17th April(8.30IST)2022

Weather Advisory: Very light rainfall / Thundershower is forecasted for Thursday and Friday and Dry weather is forecasted for other 3 days in the block. The day temperature will be 36-39°C and night temperature will be 27-28°C for upcoming 5 days. Maximum and minimum relative humidity will be 67-95% and 17-29% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Banki-Dampara (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	12/04/2022	13/04/2022	14/04/2022	15/04/2022	16/04/2022
Rainfall(mm)	0	0	3	2	0
T-Max(°C)	38	39	36	36	39
T-Min(°C)	27	28	27	28	27
Cloud Cover(octa)	1	2	2	3	0
RH Max (%)	81	67	90	95	93
RH Min (%)	22	17	28	29	26
Wind Speed (Kmph)	18	22	20	18	22
Wind Direction (deg)	201	203	201	180	193

Agromet Advisory

General advisory: Harvest matured mustard, groundnut, potato, cucurbits and other vegetables before thundershower and keep it in safer places. Farmers should carry out intercultural operations and fertilizer, pesticide applications in dry days. It is the ideal time for sowing of cowpea, okra, cluster bean, pumpkin, cucumber and watermelon. Carry out transplanting of vegetables in afternoon hours. Farmers should stop irrigation activities on rainy days.

Pulses:

November to December sown crop is at pod formation to seed development (nine to twelve week) stage. Bacterial leaf blight are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. Rust infestation likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If wilting will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control. Present weather is congenial for Cercospora leaf spot infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

Summer Maize:

Complete maize sowing by this after receipt of rainfall under optimum soil moisture condition. 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% Chlorpyrifos 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.

Vegetables:

Okra: Now the weather is optimum for okra planting. It can be grown throughout the year. Grow improved high yielding varieties - Utkal Gourav, Arka Anamika, Uphar, Parvati kranti and Hybrid Vars. can be grown - Varsa, Vijay, Vishal, Tara, Adhunik, Atyadhunik, and Supriy. Plough the land thoroughly and remove the weeds. Apply 10 cartloads of FYM per acre during final land preparation and apply 45:25 :35kg NPK/acre as basal for improved vars and 20-25 cartloads of FYM per acre during final land preparation and apply 80:40:40 kg NPK/acre as basal for improved vars. For line sowing use 5 to 7 Kg seeds/acre for improved Vars. and 1250 to 1500 g seeds/acre for hybrid Vars. Sow the seeds in lines at 30x30cm space for improved Vars. and at 60x45 cm. spacing for hybrid Varieties.

Brinjal:

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. If phomopsis blight will occur in brinjal, then spray zineb75%WP 2gram/litr of water. Cercospora leaf spot may be found after rainfall, if observe, then spray Carbendazim or zineb75%WP 2gram/litr of water. If helicoverpa infestation will be found, spray Flunendiamide or indoxacarb 2ml/litr of water.

Cucurbits:

To manage Red Pumpkin Beetle in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/ acre or Chlorpyrifos 20% EC @ 400-ml/acre. Late Blight may happen due to rising day temperature. There are chances of infestation of Downy Mildew, leaf in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre.

Pointed gourd is at flowering and fruiting stage. Don't go for weeding. The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot.

High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. Present weather may aggravate fruit and vine rot (symptoms: leaf spot, leaf blight, stem rot, fruit rot) of pointed gourd. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Animal husbandry: Keep farm animals indoor during thunderstorm period.

Dr Sujata Sethy
(Nodal officer)



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



GRAMIN KRISHIMAUSAM SEWA
INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK
(A Unit of ICAR-National Rice Research Institute)
Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com



Bulletin No.-287
Date- 12/04/2022

AGROMET ADVISORY BULLETIN FOR BARANGA

District Past week average weather condition and Block past week average Rainfall condition

The block received average 0mm and district received average 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was **34.71°C (-2.71°C from normal)** and **25.57°C (+1.9°C from normal)**, respectively. Mean relative humidity of the district was around 72-82%.

Forecasted period: Today(8.30IST) to 17th April(8.30IST)2022

Weather advisory: Very light rainfall / Thundershower is forecasted for Thursday and Friday and Dry weather is forecasted for other 3 days in the block. The day temperature will be **36-38°C** and night temperature will be **27-28°C** for upcoming 5 days. Maximum and minimum relative humidity will be 71-93% and 18-33% respectively. **There will be clear to partly cloudy sky for next 5 days.**

Block	Baranga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	12/04/2022	13/04/2022	14/04/2022	15/04/2022	16/04/2022
Rainfall(mm)	0	0	4	2	0
T-Max(°C)	36	38	36	36	38
T-Min(°C)	27	28	27	28	28
Cloud Cover	1	2	1	2	0
RH Max (%)	79	71	91	93	89
RH Min (%)	27	18	30	33	31
Wind Speed (Kmph)	23	27	25	23	26
Wind Direction (deg)	203	203	203	203	203

Agromet Advisory

General advisory: Harvest matured mustard, groundnut, potato, cucurbits and other vegetables before thundershower and keep it in safer places. Farmers should carry out intercultural operations and fertilizer, pesticide applications in dry days. It is the ideal time for sowing of cowpea, okra, cluster bean, pumpkin, cucumber and watermelon. Carry out transplanting of vegetables in afternoon hours. Farmers should stop irrigation activities on rainy days.

Pulses:

November to December sown crop is at pod formation to seed development (nine to twelve week) stage. **Bacterial leaf blight** are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. **Rust infestation** likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If **wilting** will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control. Present weather is congenial for **Cercospora leaf spot** infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

Summer Maize:

Complete maize sowing by this after receipt of rainfall under optimum soil moisture condition. 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.

Vegetables:

Okra: Now the weather is optimum for okra planting. It can be grown throughout the year. Grow improved high yielding varieties - Utkal Gourav, Arka Anamika, Uphar, Parvati kranti and Hybrid Vars. can be grown - Varsa, Vijay, Vishal, Tara, Adhunik, Atyadhunik, and Supriy. Plough the land thoroughly and remove the weeds. Apply 10 cartloads of FYM per acre during final land preparation and apply 45:25 :35kg NPK/acre as basal for improved vars and 20-25 cartloads of FYM per acre during final land preparation and apply 80:40:40 kg NPK/acre as basal for improved vars. For line sowing use 5 to 7 Kg seeds/acre for improved Vars. and 1250 to 1500 g seeds/acre for hybrid Vars. Sow the seeds in lines at 30x30cm space for improved Vars. and at 60x45 cm. spacing for hybrid Varieties.

Brinjal:

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. If **phomopsis blight** will occur in brinjal, then spray zineb75%WP 2gram/litr of water. **Cercospora leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb75%WP 2gram/litr of water. If **helioverpa infestation** will be found, spray Flunendiamide or indoxacarb 2ml/litr of water.

Cucurbits:

To manage **Red Pumpkin Beetle** in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/ acre or Chlorpyriphos 20% EC @ 400-ml/acre. **Late Blight** may happen due to rising day temperature. There are chances of infestation of **Downy Mildew**, leaf in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre.

Pointed gourd is at flowering and fruiting stage. Don't go for weeding. The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot.

High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. Present weather may aggravate fruit and vine rot (symptoms: **leaf spot, leaf blight, stem rot, fruit rot**) of pointed gourd. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Animal husbandry: Keep farm animals indoor during thunderstorm period.

Dr Sujata Sethy
(Nodal officer)



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



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



Bulletin No.-287
Date- 12/04/2022

Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com

AGROMET ADVISORY BULLETIN FOR CUTTACK SADAR

District Past week average weather condition and Block past week average Rainfall condition

The block received average 0mm and district received average 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was **34.71°C (-2.71°C from normal)** and **25.57°C (+1.9°C from normal)**, respectively. Mean relative humidity of the district was around 72-82%.

Forecasted period: Today(8.30IST) to 17thApril (8.30IST)2022

Weather advisory: *Very light rainfall / Thundershower is forecasted for Thursday and Friday and Dry weather is forecasted for other 3days in the block.* The day temperature will be **36-38°C** and night temperature will be **28-29°C** for upcoming 5 days. Maximum and minimum relative humidity will be 69-94% and 17-30% respectively. **There will be clear to partly cloudy sky for next 5days.**

Block	Cuttack sadar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	12/04/2022	13/04/2022	14/04/2022	15/04/2022	16/04/2022
Rainfall(mm)	0	0	5	2	0
T-Max(°C)	36	38	36	36	38
T-Min(°C)	28	29	28	28	28
Cloud Cover(octa)	1	2	1	2	0
RH Max (%)	80	69	91	94	90
RH Min (%)	21	17	26	30	27
Wind Speed (Kmph)	21	25	22	21	24
Wind Direction (deg)	203	203	203	201	201

Agromet Advisory

General advisory: *Harvest matured mustard, groundnut, potato, cucurbits and other vegetables before thundershower and keep it in safer places. Farmers should carry out intercultural operations and fertilizer, pesticide applications in dry days. It is the ideal time for sowing of cowpea, okra, cluster bean, pumpkin, cucumber and watermelon. Carry out transplanting of vegetables in afternoon hours. Farmers should stop irrigation activities on rainy days.*

Pulses:

November to December sown crop is at pod formation to seed development (nine to twelve week) stage. **Bacterial leaf blight** are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. **Rust infestation** likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If **wilting** will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control. Present weather is congenial for **Cercospora leaf spot** infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

Summer Maize:

Complete maize sowing by this after receipt of rainfall under optimum soil moisture condition. 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.

Vegetables:

Okra: Now the weather is optimum for okra planting. It can be grown throughout the year. Grow improved high yielding varieties - Utkal Gourav, Arka Anamika, Uphar, Parvati kranti and Hybrid Vars. can be grown - Varsa, Vijay, Vishal, Tara, Adhunik, Atyadhunik, and Supriy. Plough the land thoroughly and remove the weeds. Apply 10 cartloads of FYM per acre during final land preparation and apply 45:25 :35kg NPK/acre as basal for improved vars and 20-25 cartloads of FYM per acre during final land preparation and apply 80:40:40 kg NPK/acre as basal for improved vars. For line sowing use 5 to 7 Kg seeds/acre for improved Vars. and 1250 to 1500 g seeds/acre for hybrid Vars. Sow the seeds in lines at 30x30cm space for improved Vars. and at 60x45 cm. spacing for hybrid Varieties.

Brinjal:

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. If **phomopsis blight** will occur in brinjal, then spray zineb75%WP 2gram/litr of water. **Cercospora leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb75%WP 2gram/litr of water. If **helioverpa infestation** will be found, spray Flunendiamide or indoxacarb 2ml/litr of water.

Cucurbits:

To manage **Red Pumpkin Beetle** in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/ acre or Chlorpyriphos 20% EC @ 400-ml/acre. **Late Blight** may happen due to rising day temperature. There are chances of infestation of **Downy Mildew**, leaf in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre.

Pointed gourd is at flowering and fruiting stage. Don't go for weeding. The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot.

High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. Present weather may aggravate fruit and vine rot (symptoms: **leaf spot, leaf blight, stem rot, fruit rot**) of pointed gourd. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Animal husbandry: Keep farm animals indoor during thunderstorm period.

Dr Sujata Sethy
(Nodal officer)



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Debasish Jena

SMS (Agrometeorology)

Contact No-9861445080/7008453427



GRAMIN KRISHIMAUSAM SEWA
INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK
(A Unit of ICAR-National Rice Research Institute)
Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com



Bulletin No.-287
Date- 12/04/2022

AGROMET ADVISORY BULLETIN FOR KANTAPADA

District Past week average weather condition and Block past week average Rainfall condition

The block received average 0mm and district received average 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was **34.71°C (-2.71°C from normal)** and **25.57°C (+1.9°C from normal)**, respectively. Mean relative humidity of the district was around 72-82%.

Forecasted period: Today(8.30IST) to 17th April (8.30IST)2022

Weather advisory: *Very light rainfall / Thundershower is forecasted for Thursday and Friday and Dry weather is forecasted for other 3days in the block.* The day temperature will be **35-37°C** and night temperature will be **28°C** for upcoming 5 days. Maximum and minimum relative humidity will be 72-91% and 24-42% respectively. **There will be clear to partly cloudy sky for next 5days.**

Block	Kantapada (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	12/04/2022	13/04/2022	14/04/2022	15/04/2022	16/04/2022
Rainfall(mm)	0	0	3	2	0
T-Max(°C)	36	37	35	36	37
T-Min(°C)	28	28	28	28	28
Cloud Cover(octa)	1	2	2	1	0
RH Max (%)	79	72	88	91	86
RH Min (%)	36	24	38	41	42
Wind Speed (Kmph)	26	29	27	26	27
Wind Direction (deg)	203	203	203	203	203

Agromet Advisory

General advisory: *Harvest matured mustard, groundnut, potato, cucurbits and other vegetables before thundershower and keep it in safer places. Farmers should carry out intercultural operations and fertilizer, pesticide applications in dry days. It is the ideal time for sowing of cowpea, okra, cluster bean, pumpkin, cucumber and watermelon. Carry out transplanting of vegetables in afternoon hours. Farmers should stop irrigation activities on rainy days.*

Pulses:

November to December sown crop is at pod formation to seed development (nine to twelve week) stage. **Bacterial leaf blight** are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. **Rust infestation** likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If **wilting** will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control. Present weather is congenial for **Cercospora leaf spot** infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

Summer Maize:

Complete maize sowing by this after receipt of rainfall under optimum soil moisture condition. 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% Chlorpyrifos 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.

Vegetables:

Okra: Now the weather is optimum for okra planting. It can be grown throughout the year. Grow improved high yielding varieties - Utkal Gourav, Arka Anamika, Uphar, Parvati kranti and Hybrid Vars. can be grown - Varsa, Vijay, Vishal, Tara, Adhunik, Atyadhunik, and Supriy. Plough the land thoroughly and remove the weeds. Apply 10 cartloads of FYM per acre during final land preparation and apply 45:25 :35kg NPK/acre as basal for improved vars and 20-25 cartloads of FYM per acre during final land preparation and apply 80:40:40 kg NPK/acre as basal for improved vars. For line sowing use 5 to 7 Kg seeds/acre for improved Vars. and 1250 to 1500 g seeds/acre for hybrid Vars. Sow the seeds in lines at 30x30cm space for improved Vars. and at 60x45 cm. spacing for hybrid Varieties.

Brinjal:

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. If **phomopsis blight** will occur in brinjal, then spray zineb75%WP 2gram/litr of water. **Cercospora leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb75%WP 2gram/litr of water. If **helicoverpa infestation** will be found, spray Flunendiamide or indoxacarb 2ml/litr of water.

Cucurbits:

To manage **Red Pumpkin Beetle** in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/ acre or Chlorpyrifos 20% EC @ 400-ml/acre. **Late Blight** may happen due to rising day temperature. There are chances of infestation of **Downy Mildew**, leaf in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre.

Pointed gourd is at flowering and fruiting stage. Don't go for weeding .The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot.

High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. Present weather may aggravate fruit and vine rot (symptoms: **leaf spot, leaf blight, stem rot, fruit rot**) of pointed gourd. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Animal husbandry: Keep farm animals indoor during thunderstorm period.

Dr Sujata Sethy
(Nodal officer)



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



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



Bulletin No.-287
Date- 12/04/2022

Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com

AGROMET ADVISORY BULLETIN FOR MAHANGA

District Past week average weather condition and Block past week average Rainfall condition

The block received average 0mm and district received average 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was **34.71°C (-2.71°C from normal)** and **25.57°C (+1.9°C from normal)**, respectively. Mean relative humidity of the district was around 72-82%.

Forecasted period: Today(8.30IST) to 17th April (8.30IST)2022

Weather advisory: *Very light to light rainfall/Thundershower is forecasted for Thursday and Friday and Dry weather is forecasted for other 3 days in the block.* The day temperature will be and it will be **36-38°C** and night temperature will be **27-28°C** for upcoming 5 days. Maximum and minimum relative humidity will be 68-90% and 20-33% respectively. **There will be clear to partly cloudy sky for next 5 days.**

Block	Mahanga (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	12/04/2022	13/04/2022	14/04/2022	15/04/2022	16/04/2022
Rainfall(mm)	0	0	6	2	0
T-Max(°C)	37	38	36	37	38
T-Min(°C)	27	28	28	28	28
Cloud Cover(octal)	1	2	1	2	0
RH Max (%)	77	68	87	90	86
RH Min (%)	24	20	29	32	33
Wind Speed (Kmph)	23	28	24	24	26
Wind Direction (deg)	203	203	203	203	201

Agromet Advisory

General advisory: *Harvest matured mustard, groundnut, potato, cucurbits and other vegetables before thundershower and keep it in safer places. Farmers should carry out intercultural operations and fertilizer, pesticide applications in dry days. It is the ideal time for sowing of cowpea, okra, cluster bean, pumpkin, cucumber and watermelon. Carry out transplanting of vegetables in afternoon hours. Farmers should stop irrigation activities on rainy days.*

Pulses:

November to December sown crop is at pod formation to seed development (nine to twelve week) stage. **Bacterial leaf blight** are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. **Rust infestation** likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If **wilting** will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control. Present weather is congenial for **Cercospora leaf spot** infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

Summer Maize:

Complete maize sowing by this after receipt of rainfall under optimum soil moisture condition. 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% Chlorpyrifos 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.

Vegetables:

Okra: Now the weather is optimum for okra planting. It can be grown throughout the year. Grow improved high yielding varieties - Utkal Gourav, Arka Anamika, Uphar, Parvati kranti and Hybrid Vars. can be grown - Varsa, Vijay, Vishal, Tara, Adhunik, Atyadhunik, and Supriy. Plough the land thoroughly and remove the weeds. Apply 10 cartloads of FYM per acre during final land preparation and apply 45:25 :35kg NPK/acre as basal for improved vars and 20-25 cartloads of FYM per acre during final land preparation and apply 80:40:40 kg NPK/acre as basal for improved vars. For line sowing use 5 to 7 Kg seeds/acre for improved Vars. and 1250 to 1500 g seeds/acre for hybrid Vars. Sow the seeds in lines at 30x30cm space for improved Vars. and at 60x45 cm. spacing for hybrid Varieties.

Brinjal:

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. If **phomopsis blight** will occur in brinjal, then spray zineb75%WP 2gram/litr of water. **Cercospora leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb75%WP 2gram/litr of water. If **helicoverpa infestation** will be found, spray Flunendiamide or indoxacarb 2ml/litr of water.

Cucurbits:

To manage **Red Pumpkin Beetle** in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/ acre or Chlorpyrifos 20% EC @ 400-ml/acre. **Late Blight** may happen due to rising day temperature. There are chances of infestation of **Downy Mildew**, leaf in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre.

Pointed gourd is at flowering and fruiting stage. Don't go for weeding .The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot.

High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. Present weather may aggravate fruit and vine rot (symptoms: **leaf spot, leaf blight, stem rot, fruit rot**) of pointed gourd. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Animal husbandry: Keep farm animals indoor during thunderstorm period.

Dr Sujata Sethy
(Nodal officer)



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Debasish Jena

SMS (Agrometeorology)

Contact No-9861445080/7008453427



GRAMIN KRISHIMAUSAM SEWA
INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK
(A Unit of ICAR-National Rice Research Institute)
Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com



Bulletin No.-287
Date- 12/04/2022

AGROMET ADVISORY BULLETIN FOR NARASINGHPUR

District Past week average weather condition and Block past week average Rainfall condition

The block received average 0mm and district received average 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was **34.71°C (-2.71°C from normal)** and **25.57°C (+1.9°C from normal)**, respectively. Mean relative humidity of the district was around 72-82%.

Forecasted period: Today(8.30IST) to 17th April (8.30IST)2022

Weather advisory: *Very light rainfall / Thundershower is forecasted for Thursday and Friday and Dry weather is forecasted for other 3 days in the block.* The day temperature will be **37-41°C** and night temperature will be **26-29°C** for upcoming 5 days. Maximum and minimum relative humidity will be 46-94% and 12-15% respectively. **There will be clear to partly cloudy sky for next 5 days.**

Block	Narasinghpur (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	12/04/2022	13/04/2022	14/04/2022	15/04/2022	16/04/2022
Rainfall(mm)	0	0	3	2	0
T-Max(°C)	40	38	37	40	41
T-Min(°C)	26	29	27	27	26
Cloud Cover(octa)	2	4	3	2	1
RH Max (%)	76	46	72	90	94
RH Min (%)	14	12	15	13	12
Wind Speed (Kmph)	9	12	10	8	10
Wind Direction (deg)	171	206	189	180	180

Agromet Advisory

General advisory: *Harvest matured mustard, groundnut, potato, cucurbits and other vegetables before thundershower and keep it in safer places. Farmers should carry out intercultural operations and fertilizer, pesticide applications in dry days. It is the ideal time for sowing of cowpea, okra, cluster bean, pumpkin, cucumber and watermelon. Carry out transplanting of vegetables in afternoon hours. Farmers should stop irrigation activities on rainy days.*

Pulses:

November to December sown crop is at pod formation to seed development (nine to twelve week) stage. **Bacterial leaf blight** are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. **Rust infestation** likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If **wilting** will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control. Present weather is congenial for **Cercospora leaf spot** infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

Summer Maize:

Complete maize sowing by this after receipt of rainfall under optimum soil moisture condition. 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% Chloropyrifos 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.

Vegetables:

Okra: Now the weather is optimum for okra planting. It can be grown throughout the year. Grow improved high yielding varieties - Utkal Gourav, Arka Anamika, Uphar, Parvati kranti and Hybrid Vars. can be grown - Varsa, Vijay, Vishal, Tara, Adhunik, Atyadhunik, and Supriy. Plough the land thoroughly and remove the weeds. Apply 10 cartloads of FYM per acre during final land preparation and apply 45:25 :35kg NPK/acre as basal for improved vars and 20-25 cartloads of FYM per acre during final land preparation and apply 80:40:40 kg NPK/acre as basal for improved vars. For line sowing use 5 to 7 Kg seeds/acre for improved Vars. and 1250 to 1500 g seeds/acre for hybrid Vars. Sow the seeds in lines at 30x30cm space for improved Vars. and at 60x45 cm. spacing for hybrid Varieties.

Brinjal:

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. If **phomopsis blight** will occur in brinjal, then spray zineb75%WP 2gram/litr of water. **Cercospora leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb75%WP 2gram/litr of water. If **helicoverpa infestation** will be found, spray Flunendiamide or indoxacarb 2ml/litr of water.

Cucurbits:

To manage **Red Pumpkin Beetle** in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/ acre or Chlorpyrifos 20% EC @ 400-ml/acre. **Late Blight** may happen due to rising day temperature. There are chances of infestation of **Downy Mildew**, leaf in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre.

Pointed gourd is at flowering and fruiting stage. Don't go for weeding .The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot.

High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. Present weather may aggravate fruit and vine rot (symptoms: **leaf spot, leaf blight, stem rot, fruit rot**) of pointed gourd. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Animal husbandry: Keep farm animals indoor during thunderstorm period.

Dr Sujata Sethy
(Nodal officer)



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



GRAMIN KRISHIMAUSAM SEWA
INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK
(A Unit of ICAR-National Rice Research Institute)
Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com



Bulletin No.-287
Date- 12/04/2022

AGROMET ADVISORY BULLETIN FOR NIALI

District Past week average weather condition and Block past week average Rainfall condition

The block received average 0mm and district received average 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was **34.71°C (-2.71°C from normal)** and **25.57°C (+1.9°C from normal)**, respectively. Mean relative humidity of the district was around 72-82%.

Forecasted period: Today(8.30IST) to 17th April (8.30IST)2022

Weather advisory: *Very light rainfall / Thundershower is forecasted for Thursday and Friday and Dry weather is forecasted for other 3 days in the block.* The day temperature will be **35-36°C** and night temperature will be **27-28°C** for upcoming 5 days. Maximum and minimum relative humidity will be 74-90% and 31-50% respectively. **There will be clear to partly cloudy sky for next 5 days.**

Block	Niali (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	12/04/2022	13/04/2022	14/04/2022	15/04/2022	16/04/2022
Rainfall(mm)	0	0	3	2	0
T-Max(°C)	35	36	35	35	36
T-Min(°C)	27	28	28	28	28
Cloud Cover(octa)	1	3	2	2	0
RH Max (%)	79	74	87	90	85
RH Min (%)	44	31	44	48	50
Wind Speed(Kmph)	27	30	28	27	28
Wind Direction(deg)	203	203	203	203	203

Agromet Advisory

General advisory: *Harvest matured mustard, groundnut, potato, cucurbits and other vegetables before thundershower and keep it in safer places. Farmers should carry out intercultural operations and fertilizer, pesticide applications in dry days. It is the ideal time for sowing of cowpea, okra, cluster bean, pumpkin, cucumber and watermelon. Carry out transplanting of vegetables in afternoon hours. Farmers should stop irrigation activities on rainy days.*

Pulses:

November to December sown crop is at pod formation to seed development (nine to twelve week) stage. **Bacterial leaf blight** are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. **Rust infestation** likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If **wilting** will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control. Present weather is congenial for **Cercospora leaf spot** infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

Summer Maize:

Complete maize sowing by this after receipt of rainfall under optimum soil moisture condition. 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% Chloropyrphos 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.

Vegetables:

Okra: Now the weather is optimum for okra planting. It can be grown throughout the year. Grow improved high yielding varieties - Utkal Gourav, Arka Anamika, Uphar, Parvati kranti and Hybrid Vars. can be grown - Varsa, Vijay, Vishal, Tara, Adhunik, Atyadhunik, and Supriy. Plough the land thoroughly and remove the weeds. Apply 10 cartloads of FYM per acre during final land preparation and apply 45:25 :35kg NPK/acre as basal for improved vars and 20-25 cartloads of FYM per acre during final land preparation and apply 80:40:40 kg NPK/acre as basal for improved vars. For line sowing use 5 to 7 Kg seeds/acre for improved Vars. and 1250 to 1500 g seeds/acre for hybrid Vars. Sow the seeds in lines at 30x30cm space for improved Vars. and at 60x45 cm. spacing for hybrid Varieties.

Brinjal:

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. If **phomopsis blight** will occur in brinjal, then spray zineb75%WP 2gram/litr of water. **Cercospora leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb75%WP 2gram/litr of water. If **helicoverpa infestation** will be found, spray Flunendiamide or indoxacarb 2ml/litr of water.

Cucurbits:

To manage **Red Pumpkin Beetle** in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/ acre or Chlorpyrphos 20% EC @ 400-ml/acre. **Late Blight** may happen due to rising day temperature. There are chances of infestation of **Downy Mildew**, leaf in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre.

Pointed gourd is at flowering and fruiting stage. Don't go for weeding .The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot.

High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. Present weather may aggravate fruit and vine rot (symptoms: **leaf spot**, **leaf blight**, **stem rot**, **fruit rot**) of pointed gourd. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Animal husbandry: Keep farm animals indoor during thunderstorm period.

Dr Sujata Sethy
(Nodal officer)



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



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

Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com



Bulletin No.-287
Date- 12/04/2022

AGROMET ADVISORY BULLETIN FOR NISCHINTAKOILI

District Past week average weather condition and Block past week average Rainfall condition

The block received average 0mm and district received average 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was **34.71°C (-2.71°C from normal)** and **25.57°C (+1.9°C from normal)**, respectively. Mean relative humidity of the district was around 72-82%.

Forecasted period: Today(8.30IST) to 17th April (8.30IST)2022

Weatheradvisory: *Very light to light rainfall/Thundershower is forecasted for Thursday and Friday and Dry weather is forecasted for other 3 days in the block.* The day temperature will be 36-37°C and night temperature will be 28°C for upcoming 5 days. Maximum and minimum relative humidity will be 69-89% and 21-38% respectively. **There will be clear to partly cloudy sky for next 5days.**

Block	Nischintakoili (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	12/04/2022	13/04/2022	14/04/2022	15/04/2022	16/04/2022
Rainfall(mm)	0	0	6	2	0
T-Max(°C)	37	37	36	37	37
T-Min(°C)	28	28	28	28	28
Cloud Cover(octa)	1	2	1	2	0
RH Max (%)	78	69	87	89	86
RH Min (%)	29	21	32	38	36
Wind Speed (Kmph)	24	29	25	25	27
Wind Direction (deg)	203	203	203	203	201

Agromet Advisory

General advisory: *Harvest matured mustard, groundnut, potato, cucurbits and other vegetables before thundershower and keep it in safer places. Farmers should carry out intercultural operations and fertilizer, pesticide applications in dry days. It is the ideal time for sowing of cowpea, okra, cluster bean, pumpkin, cucumber and watermelon. Carry out transplanting of vegetables in afternoon hours. Farmers should stop irrigation activities on rainy days.*

Pulses:

November to December sown crop is at pod formation to seed development (nine to twelve week) stage. **Bacterial leaf blight** are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. **Rust infestation** likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If **wilting** will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control. Present weather is congenial for **Cercospora leaf spot** infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

Summer Maize:

Complete maize sowing by this after receipt of rainfall under optimum soil moisture condition. 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.

Vegetables:

Okra: Now the weather is optimum for okra planting. It can be grown throughout the year. Grow improved high yielding varieties - Utkal Gourav, Arka Anamika, Uphar, Parvati kranti and Hybrid Vars. can be grown - Varsa, Vijay, Vishal, Tara, Adhunik, Atyadhunik, and Supriy. Plough the land thoroughly and remove the weeds. Apply 10 cartloads of FYM per acre during final land preparation and apply 45:25 :35kg NPK/acre as basal for improved vars and 20-25 cartloads of FYM per acre during final land preparation and apply 80:40:40 kg NPK/acre as basal for improved vars. For line sowing use 5 to 7 Kg seeds/acre for improved Vars. and 1250 to 1500 g seeds/acre for hybrid Vars. Sow the seeds in lines at 30x30cm space for improved Vars. and at 60x45 cm. spacing for hybrid Varieties.

Brinjal:

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. If **phomopsis blight** will occur in brinjal, then spray zineb75%WP 2gram/litr of water. **Cercospora leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb75%WP 2gram/litr of water. If **helioverpa infestation** will be found, spray Flunendiamide or indoxacarb 2ml/litr of water.

Cucurbits:

To manage **Red Pumpkin Beetle** in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/ acre or Chlorpyriphos 20% EC @ 400-ml/acre. **Late Blight** may happen due to rising day temperature. There are chances of infestation of **Downy Mildew**, leaf in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre.

Pointed gourd is at flowering and fruiting stage. Don't go for weeding .The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot.

High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. Present weather may aggravate fruit and vine rot (symptoms: **leaf spot**, **leaf blight**, **stem rot**, **fruit rot**) of pointed gourd. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Animal husbandry: Keep farm animals indoor during thunderstorm period.

Dr Sujata Sethy
(Nodal officer)



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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)
Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com



Bulletin No.-287
Date- 12/04/2022

AGROMET ADVISORY BULLETIN FOR SALEPUR

District Past week average weather condition and Block past week average Rainfall condition

The block received average 0mm and district received average 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was **34.71°C (-2.71°C from normal)** and **25.57°C (+1.9°C from normal)**, respectively. Mean relative humidity of the district was around 72-82%.

Forecasted period: Today(8.30IST) to 17thApril (8.30IST)2022

Weather advisory: *Very light rainfall / Thundershower is forecasted for Thursday and Friday and Dry weather is forecasted for other 3days in the block.* The day temperature will be **36-37°C** and night temperature will be **28-29°C** for upcoming 5 days. Maximum and minimum relative humidity will be 69-90% and 20-36% respectively. **There will be clear to partly cloudy sky for next 5days.**

Block	Salepur(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	12/04/2022	13/04/2022	14/04/2022	15/04/2022	16/04/2022
Rainfall(mm)	0	0	4	2	0
T-Max(°C)	36	37	36	37	37
T-Min(°C)	28	29	28	28	28
Cloud Cover(octa)	1	2	1	2	0
RH Max (%)	78	69	88	90	86
RH Min (%)	27	20	31	36	34
Wind Speed (Kmph)	24	28	25	24	26
Wind Direction (deg)	203	203	203	203	201

Agromet Advisory

General advisory: *Harvest matured mustard, groundnut, potato, cucurbits and other vegetables before thundershower and keep it in safer places. Farmers should carry out intercultural operations and fertilizer, pesticide applications in dry days. It is the ideal time for sowing of cowpea, okra, cluster bean, pumpkin, cucumber and watermelon. Carry out transplanting of vegetables in afternoon hours. Farmers should stop irrigation activities on rainy days.*

Pulses:

November to December sown crop is at pod formation to seed development (nine to twelve week) stage. **Bacterial leaf blight** are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. **Rust infestation** likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If **wilting** will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control. Present weather is congenial for **Cercospora leaf spot** infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

Summer Maize:

Complete maize sowing by this after receipt of rainfall under optimum soil moisture condition. 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% Chlorpyrifos 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 in 45 x15 cm.

Vegetables:

Okra: Now the weather is optimum for okra planting. It can be grown throughout the year. Grow improved high yielding varieties - Utkal Gourav, Arka Anamika, Uphar, Parvati kranti and Hybrid Vars. can be grown - Varsa, Vijay, Vishal, Tara, Adhunik, Atyadhunik, and Supriy. Plough the land thoroughly and remove the weeds. Apply 10 cartloads of FYM per acre during final land preparation and apply 45:25 :35kg NPK/acre as basal for improved vars and 20-25 cartloads of FYM per acre during final land preparation and apply 80:40:40 kg NPK/acre as basal for improved vars. For line sowing use 5 to 7 Kg seeds/acre for improved Vars. and 1250 to 1500 g seeds/acre for hybrid Vars. Sow the seeds in lines at 30x30cm space for improved Vars. and at 60x45 cm. spacing for hybrid Varieties.

Brinjal:

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. If **phomopsis blight** will occur in brinjal, then spray zineb75%WP 2gram/litr of water.**Cercospora leaf spot** may be found after rainfall, if observe,then spray Carbendazim or zineb75%WP 2gram/litr of water.If **helicoverpa infestation** will be found, spray Flunendiamide or indoxacarb 2ml/litr of water.

Cucurbits:

To manage **Red Pumpkin Beetle** in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/ acre or Chlorpyrifos 20% EC @ 400-ml/acre. **Late Blight** may happen due to rising day temperature. There are chances of infestation of **Downy Mildew**,leafin cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre.

Pointed gourd is at flowering and fruiting stage. Don't go for weeding .The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot.

High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. Present weather may aggravate fruit and vine rot (symptoms: **leaf spot, leaf blight, stem rot, fruit rot**) of pointed gourd. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Animal husbandry: Keep farm animals indoor during thunderstorm period.

Dr Sujata Sethy
(Nodal officer)



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



GRAMIN KRISHIMAUSAM SEWA INDIA METEOROLOGICAL DEPARTMENT DISTRICT AGROMET UNIT KRISHI VIGYAN KENDRA CUTTACK

(A Unit of ICAR-National Rice Research Institute)

Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com

AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR



Bulletin No.-287

Date- 12/04/2022

District Past week average weather condition and Block past week average Rainfall condition

The block received average 0mm and district received average 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 34.71°C (-2.71°C from normal) and 25.57°C (+1.9°C from normal), respectively. Mean relative humidity of the district was around 72-82%.

Forecasted period: Today(8.30IST) to 17th April (8.30IST)2022

Weather advisory: Very light to light rainfall / Thundershower is forecasted for Thursday and Friday and Dry weather is forecasted for other 3 days in the block. The day temperature will be 35-37°C and night temperature will be 28-29°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-87% and 41-60% respectively. There will be clear to partly cloudy sky for next 5 days.

Block	Tangi-Choudwar (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	12/04/2022	13/04/2022	14/04/2022	15/04/2022	16/04/2022
Rainfall(mm)	0	0	6	2	0
T-Max(°C)	35	37	35	35	35
T-Min(°C)	28	29	28	28	28
Cloud Cover(octa)	1	3	2	0	0
RH Max (%)	80	77	84	87	85
RH Min (%)	54	41	50	55	60
Wind Speed (Kmph)	29	32	29	30	29
Wind Direction (deg)	203	203	203	203	203

Agromet Advisory

General advisory: Harvest matured mustard, groundnut, potato, cucurbits and other vegetables before thundershower and keep it in safer places. Farmers should carry out intercultural operations and fertilizer, pesticide applications in dry days. It is the ideal time for sowing of cowpea, okra, cluster bean, pumpkin, cucumber and watermelon. Carry out transplanting of vegetables in afternoon hours. Farmers should stop irrigation activities on rainy days.

Pulses:

November to December sown crop is at pod formation to seed development (nine to twelve week) stage. **Bacterial leaf blight** are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. **Rust infestation** likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If **wilting** will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control. Present weather is congenial for **Cercospora leaf spot** infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

Summer Maize:

Complete maize sowing by this after receipt of rainfall under optimum soil moisture condition. 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% Chloropyrifos 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.

Vegetables:

Okra: Now the weather is optimum for okra planting. It can be grown throughout the year. Grow improved high yielding varieties - Utkal Gourav, Arka Anamika, Uphar, Parvati kranti and Hybrid Vars. can be grown - Varsa, Vijay, Vishal, Tara, Adhunik, Atyadhunik, and Supriy. Plough the land thoroughly and remove the weeds. Apply 10 cartloads of FYM per acre during final land preparation and apply 45:25 :35kg NPK/acre as basal for improved vars and 20-25 cartloads of FYM per acre during final land preparation and apply 80:40:40 kg NPK/acre as basal for improved vars. For line sowing use 5 to 7 Kg seeds/acre for improved Vars. and 1250 to 1500 g seeds/acre for hybrid Vars. Sow the seeds in lines at 30x30cm space for improved Vars. and at 60x45 cm. spacing for hybrid Varieties.

Brinjal:

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. If **phomopsis blight** will occur in brinjal, then spray zineb75%WP 2gram/litr of water. **Cercospora leaf spot** may be found after rainfall, if observe, then spray Carbendazim or zineb75%WP 2gram/litr of water. If **helicoverpa infestation** will be found, spray Flunendiamide or indoxacarb 2ml/litr of water.

Cucurbits:

To manage **Red Pumpkin Beetle** in Cucurbit crops spray Cyantraniliprole 10.26% OD @ 400-ml/acre or Imidacloprid 17.8% SL @ 60-ml/ acre or Chlorpyrifos 20% EC @ 400-ml/acre. **Late Blight** may happen due to rising day temperature. There are chances of infestation of **Downy Mildew**, leaf in cucurbit vegetables. To manage this disease in cucurbits spray Copper Hydroxide 77 % WP 12 @ 3-gram/litre or Carbendazim 12 % + Mancozeb 63 % WP @ 2-gram/litre.

Pointed gourd is at flowering and fruiting stage. Don't go for weeding .The grasses and weeds will help in maintaining the humidity and it is safe for creeping of the vines and does not allow the fruit to come in contact with soil and avoid fruit rot.

High temperature leads to fungal wilting in pointed gourd, spray 1.5 ml Carbendazim in 1 litre water. Present weather may aggravate fruit and vine rot (symptoms: **leaf spot**, **leaf blight**, **stem rot**, **fruit rot**) of pointed gourd. If observe remove damaged fruit and vines from the field and should not be kept in and around the field. Spray alternately Copper Oxychloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.

Animal husbandry: Keep farm animals indoor during thunderstorm period.

Dr Sujata Sethy
(Nodal officer)



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INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK
 (A Unit of ICAR-National Rice Research Institute)
 Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com



Bulletin No.-287
Date- 12/04/2022

AGROMET ADVISORY BULLETIN FOR TIGIRIA

District Past week average weather condition and Block past week average Rainfall condition

The block received average 0mm and district received average 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was **34.71°C (-2.71°C from normal)** and **25.57°C (+1.9°C from normal)**, respectively. Mean relative humidity of the district was around 72-82%.

Forecasted period: Today(8.30IST) to 17th April (8.30IST)2022

Weather advisory: *Very light rainfall / Thundershower is forecasted for Thursday and Friday and Dry weather is forecasted for other 3 days in the block.* The day temperature will be **35-39°C** and night temperature will be **26-27°C** for upcoming 5 days. Maximum and minimum relative humidity will be 81-89% and 13-23% respectively. **There will be clear to partly cloudy sky for next 5 days.**

Block	Tigiria (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
Date	12/04/2022	13/04/2022	14/04/2022	15/04/2022	16/04/2022
Rainfall(mm)	0	0	3	2	0
T-Max(°C)	38	38	37	37	40
T-Min(°C)	27	28	27	28	27
Cloud Cover(octa)	2	3	3	3	1
RH Max (%)	81	64	88	95	94
RH Min (%)	17	14	23	21	22
Wind Speed (Kmph)	15	19	17	15	19
Wind Direction (deg)	191	203	180	167	191

Agro met Advisory

General advisory: *Harvest matured mustard, groundnut, potato, cucurbits and other vegetables before thundershower and keep it in safer places. Farmers should carry out intercultural operations and fertilizer, pesticide applications in dry days. It is the ideal time for sowing of cowpea, okra, cluster bean, pumpkin, cucumber and watermelon. Carry out transplanting of vegetables in afternoon hours. Farmers should stop irrigation activities on rainy days.*

Pulses:

November to December sown crop is at pod formation to seed development (nine to twelve week) stage. **Bacterial leaf blight** are likely to increase in present situation in pulses due to realized rainfall; if observe, spray Streptomycin or Plantomycin @ 2 g/litre of water as foliar treatment. **Rust infestation** likely to occur in pulses, if observe spray Mancozeb 35.0%SC 3gram/ltr of water. If **wilting** will be observed after rainfall, then spray Carbendazim 2g/ltr of water to control. Present weather is congenial for **Cercospora leaf spot** infestation in black gram crop. On occurrence, immediately spray Agrimycin or Streptomycin 2 g/litre, at an interval of 12-15 days, to effectively reduce pest population.

Summer Maize:

Complete maize sowing by this after receipt of rainfall under optimum soil moisture condition. 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% Chlorpyrifos 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.

Vegetables:

Okra: Now the weather is optimum for okra planting. It can be grown throughout the year. Grow improved high yielding varieties - Utkal Gourav, Arka Anamika, Uphar, Parvati kranti and Hybrid Vars. can be grown - Varsa, Vijay, Vishal, Tara, Adhunik, Atyadhunik, and Supriy. Plough the land thoroughly and remove the weeds. Apply 10 cartloads of FYM per acre during final land preparation and apply 45:25 :35kg NPK/acre as basal for improved vars and 20-25 cartloads of FYM per acre during final land preparation and apply 80:40:40 kg NPK/acre as basal for improved vars. For line sowing use 5 to 7 Kg seeds/acre for improved Vars. and 1250 to 1500 g seeds/acre for hybrid Vars. Sow the seeds in lines at 30x30cm space for improved Vars. and at 60x45 cm. spacing for hybrid Varieties.

Brinjal:

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Cucurbits:

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Animal husbandry: Keep farm animals indoor during thunderstorm period.

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INDIA METEOROLOGICAL DEPARTMENT
DISTRICT AGROMET UNIT
KRISHI VIGYAN KENDRA CUTTACK
 (A Unit of ICAR-National Rice Research Institute)
 Email: kvkcuttack@gmail.com/damukvkcuttack@gmail.com



Bulletin No.-287
 Date- 12/04/2022

				
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- Kindly install and use **“Meghdoot mobile App”** for Cuttack district weather forecast, warnings and weather based agromet advisory services.
<https://play.google.com/store/apps/details?id=com.aas.meghdoot>
- Kindly install and use **“Damini mobile App”** for location specific for lightening forecast and warnings.
<https://play.google.com/store/apps/details?id=com.lightening.live.damini>
- Follow the **block specific whats app groups** and join in your block wise groups for getting weather based agromet advisory services twice in a week (Tuesday and Friday) and other weather warning based farm management advisories.
- Follow the **Official Website links** to get the weather based agromet advisory service bulletins (**English & Odia**) twice in a week (Tuesday and Friday).

1	ICAR-NRRI, Cuttack, Odisha	https://icar-nrri.in/agromate/	
2	Agrimet division, IMD, Pune	https://imdagrmet.gov.in/imdproject/AGIndex.php	

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