



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



**Bulletin No-81**  
**Date-17.04.2020**

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 39°C and 24°C, respectively. Relative humidity of the district was around 76-51%. *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-19 March 2020 to 15 April 2020), mildly wet condition was there.*

Forecasted period: 18<sup>th</sup> April 2020 to 22<sup>nd</sup> April 2020

**General Advisory:** Very light rain or thundershower is forecasted on Saturday and Monday. The day temperature will 35-38°C and night temperature will be 25-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 82-92% and 20-40% 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	Athagad (VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	18/04/2020	19/04/2020	20/04/2020	21/04/2020	22/04/2020
Rainfall (mm)	0	2	0	3	0
T-Max (°C)	37	38	37	35	36
T-Min (°C)	25	25	25	26	26
Cloud Cover (octa)	2	2	4	6	5
RH Max (%)	82	92	91	86	84
RH Min (%)	20	24	25	40	28
Wind Speed (kmph)	18	20	17	18	20
Wind Direction (deg)	203	189	198	162	193

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. P<sub>2</sub>O<sub>5</sub>, and 16 Kg K<sub>2</sub>O 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: 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, Parvani 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 spacing for improved Vars. and at 60x45 cm. spacing for hybrid Varieties.

- **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.
- **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.
- **Onion:** When the leaves turn yellow and fall down then go for harvesting. Keep the neck upto 2-3 cm and cut the top portion and roots. Harvest due to clear and sunny weather.
- **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.

**Dr.Dilip Ranjan Sarangi**  
**(Nodal officer)**

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



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**Bulletin No-81**  
**Date-17.04.2020**

E-mail: [kykcuttack@gmail.com](mailto: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 39°C and 24°C, respectively. Relative humidity of the district was around 76-51%. **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-19 March 2020 to 15 April 2020), mildly wet condition was there.**

**Forecasted period: 18<sup>th</sup> April 2020 to 22<sup>nd</sup> April 2020**

**General Advisory:** Very light rain or thundershower is forecasted on Saturday and Monday. The day temperature will 36-39°C and night temperature will be 24-25°C for upcoming 5 days. Maximum and minimum relative humidity will be 77-88% and 19-36% 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)				
Date	18/04/2020	19/04/2020	20/04/2020	21/04/2020	22/04/2020
Rainfall(mm)	0	2	0	5	0
T-Max(°C)	38	39	38	36	37
T-Min(°C)	24	24	25	25	25
Cloud Cover(octa)	3	2	4	6	3
RH Max (%)	77	83	88	81	81
RH Min (%)	19	23	23	36	27
Wind Speed (Kmph)	15	17	14	15	17
Wind Direction (deg)	199	189	167	158	180

**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: 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, Parvani 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 spacing for improved Vars. and at 60x45 cm. spacing for hybrid Varieties.

- **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 Oxylchloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.
- **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.
- **Onion:** When the leaves turn yellow and fall down then go for harvesting. Keep the neck upto 2-3 cm and cut the top portion and roots. Harvest due to clear and sunny weather.
- **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.

**Dr.Dilip Ranjan Sarangi**  
**(Nodal officer)**

**Debasish Jena**  
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**Contact No-9861445080/7008453427**



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**Bulletin No-81**  
**Date-17.04.2020**

E-mail: [kvkcuttack@gmail.com](mailto:kvkcuttack@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 39°C and 24°C, respectively. Relative humidity of the district was around 76-51%. **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-19 March 2020 to 15 April 2020), mildly wet condition was there.**

**Forecasted period: 18<sup>th</sup> April 2020 to 22<sup>nd</sup> April 2020**

**General Advisory:** Very light rain or thundershower is forecasted on Saturday and Monday. The day temperature will 35-38°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-90% and 21-44% 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)				
Date	18/04/2020	19/04/2020	20/04/2020	21/04/2020	22/04/2020
Rainfall(mm)	0	3	0	4	0
T-Max(°C)	38	38	37	35	36
T-Min(°C)	25	24	25	26	26
Cloud Cover(octa)	2	2	4	6	3
RH Max (%)	83	90	89	84	83
RH Min (%)	21	26	27	44	31
Wind Speed (Kmph)	19	20	18	18	20
Wind Direction (deg)	201	180	171	162	180

**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. P<sub>2</sub>O<sub>5</sub>, and 16 Kg K<sub>2</sub>O 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: 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, Parvani 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 spacing for improved Vars. and at 60x45 cm. spacing for hybrid Varieties.

- **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 Oxylchloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.
- **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.
- **Onion:** When the leaves turn yellow and fall down then go for harvesting. Keep the neck upto 2-3 cm and cut the top portion and roots. Harvest due to clear and sunny weather.
- **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.

**Dr. Dilip Ranjan Sarangi**  
 (Nodal officer)

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**Bulletin No-81**  
**Date-17.04.2020**

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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 39°C and 24°C, respectively. Relative humidity of the district was around 76-51%. **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-19 March 2020 to 15 April 2020), mildly wet condition was there.**

**Forecasted period: 18<sup>th</sup> April 2020 to 22<sup>nd</sup> April 2020**

**General Advisory:** Very light rain or thundershower is forecasted on Saturday and Monday. The day temperature will 35-38°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-90% and 21-44% 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	18/04/2020	19/04/2020	20/04/2020	21/04/2020	22/04/2020
Rainfall(mm)	0	3	0	5	0
T-Max(°C)	37	38	37	35	36
T-Min(°C)	25	24	25	26	26
Cloud Cover(octa)	1	1	4	5	3
RH Max (%)	83	90	89	85	84
RH Min (%)	21	26	27	44	32
Wind Speed (Kmph)	19	20	18	18	20
Wind Direction (deg)	203	167	191	162	180

**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. P<sub>2</sub>O<sub>5</sub>, and 16 Kg K<sub>2</sub>O 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: 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, Parvani 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 spacing for improved Vars. and at 60x45 cm. spacing for hybrid Varieties.

- **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 Oxylchloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.
- **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.
- **Onion:** When the leaves turn yellow and fall down then go for harvesting. Keep the neck upto 2-3 cm and cut the top portion and roots. Harvest due to clear and sunny weather.
- **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.

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**Date-17.04.2020**

**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 39°C and 24°C, respectively. Relative humidity of the district was around 76-51%. **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-19 March 2020 to 15 April 2020), mildly wet condition was there.**

**Forecasted period: 18<sup>th</sup> April 2020 to 22<sup>nd</sup> April 2020**

**General Advisory:** Very light rain or thundershower is forecasted on Saturday and Monday. The day temperature will 33-36°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-90% and 25-47% 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)				
	18/04/2020	19/04/2020	20/04/2020	21/04/2020	22/04/2020
Rainfall(mm)	0	1	0	4	0
T-Max(°C)	36	36	36	33	35
T-Min(°C)	26	25	26	26	27
Cloud Cover	1	2	4	6	4
RH Max (%)	83	88	89	90	84
RH Min (%)	25	32	31	47	33
Wind Speed (Kmph)	25	24	20	20	24
Wind Direction (deg)	203	198	203	203	201

**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. P<sub>2</sub>O<sub>5</sub>, and 16 Kg K<sub>2</sub>O 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: 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, Parvani 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 spacing for improved Vars. and at 60x45 cm. spacing for hybrid Varieties.

- **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 Oxylchloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.
- **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.
- **Onion:** When the leaves turn yellow and fall down then go for harvesting. Keep the neck upto 2-3 cm and cut the top portion and roots. Harvest due to clear and sunny weather.
- **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.

**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-81**  
**Date-17.04.2020**

E-mail: [kykcuttack@gmail.com](mailto: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 39°C and 24°C, respectively. Relative humidity of the district was around 76-51%. **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-19 March 2020 to 15 April 2020), mildly wet condition was there.**

**Forecasted period: 18<sup>th</sup> April 2020 to 22<sup>nd</sup> April 2020**

**General Advisory:** Very light rain or thundershower is forecasted on Saturday and Monday. The day temperature will 33-36°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 83-90% and 23-43% 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	Cuttack sadar(VALID TILL 08:30 IST OF THE NEXT 5 DAYS)				
	18/04/2020	19/04/2020	20/04/2020	21/04/2020	22/04/2020
Rainfall(mm)	0	1	0	3	0
T-Max(°C)	36	36	36	33	35
T-Min(°C)	26	25	26	26	27
Cloud Cover(octa)	1	2	4	6	5
RH Max (%)	83	90	90	90	84
RH Min (%)	23	26	28	43	31
Wind Speed (Kmph)	22	23	19	19	22
Wind Direction (deg)	203	200	203	201	198

**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. P<sub>2</sub>O<sub>5</sub>, and 16 Kg K<sub>2</sub>O 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: 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, Parvani 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 spacing for improved Vars. and at 60x45 cm. spacing for hybrid Varieties.

- **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.
- **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.
- **Onion:** When the leaves turn yellow and fall down then go for harvesting. Keep the neck upto 2-3 cm and cut the top portion and roots. Harvest due to clear and sunny weather.
- **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.

**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-81**  
**Date-17.04.2020**

E-mail: [kvkcuttack@gmail.com](mailto: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 39°C and 24°C, respectively. Relative humidity of the district was around 76-51%. **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-19 March 2020 to 15 April 2020), mildly wet condition was there.**

**Forecasted period: 18<sup>th</sup> April 2020 to 22<sup>nd</sup> April 2020**

**General Advisory:** Very light rain or thundershower is forecasted on Monday. The day temperature will 32-35°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 82-88% and 33-50% 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)				
	18/04/2020	19/04/2020	20/04/2020	21/04/2020	22/04/2020
Rainfall(mm)	0	0	0	3	0
T-Max(°C)	34	34	35	32	35
T-Min(°C)	26	26	26	26	27
Cloud Cover(octa)	0	2	4	5	3
RH Max (%)	82	86	87	88	83
RH Min (%)	33	40	38	50	39
Wind Speed (Kmph)	27	25	22	21	25
Wind Direction (deg)	203	201	203	203	201

**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. P<sub>2</sub>O<sub>5</sub>, and 16 Kg K<sub>2</sub>O 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: 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 spacing for improved Vars. and at 60x45 cm. spacing for hybrid Varieties.

- **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 Oxylchloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.
- **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.
- **Onion:** When the leaves turn yellow and fall down then go for harvesting. Keep the neck upto 2-3 cm and cut the top portion and roots. Harvest due to clear and sunny weather.
- **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.

**Dr. Dilip Ranjan Sarangi**  
 (Nodal officer)

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



**Bulletin No-81**  
**Date-17.04.2020**

**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 39°C and 24°C, respectively. Relative humidity of the district was around 76-51%. **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-19 March 2020 to 15 April 2020), mildly wet condition was there.**

**Forecasted period: 18<sup>th</sup> April 2020 to 22<sup>nd</sup> April 2020**

**General Advisory: No rainfall is forecasted for upcoming 5 days.** The day temperature will 33-37°C and night temperature will be 25-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 80-86% and 26-45% 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)				
	18/04/2020	19/04/2020	20/04/2020	21/04/2020	22/04/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	37	36	37	33	36
T-Min(°C)	26	25	26	26	27
Cloud Cover(octal)	1	1	4	6	5
RH Max (%)	80	86	85	86	81
RH Min (%)	26	28	31	45	34
Wind Speed (Kmph)	25	25	21	20	22
Wind Direction (deg)	203	203	203	203	180

**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. P<sub>2</sub>O<sub>5</sub>, and 16 Kg K<sub>2</sub>O 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: 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, Parvani 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 spacing for improved Vars. and at 60x45 cm. spacing for hybrid Varieties.

- **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 Oxylchloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.
- **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.
- **Onion:** When the leaves turn yellow and fall down then go for harvesting. Keep the neck upto 2-3 cm and cut the top portion and roots. Harvest due to clear and sunny weather.
- **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.

**Dr.Dilip Ranjan Sarangi**  
**(Nodal officer)**

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



**Bulletin No-81**  
**Date-17.04.2020**

**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 39°C and 24°C, respectively. Relative humidity of the district was around 76-51%. **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-19 March 2020 to 15 April 2020), mildly wet condition was there.**

**Forecasted period: 18<sup>th</sup> April 2020 to 22<sup>nd</sup> April 2020**

**General Advisory:** Very light rain or thundershower is forecasted on Saturday and Monday. The day temperature will 38-40°C and night temperature will be 23-24°C for upcoming 5 days. Maximum and minimum relative humidity will be 64-84% and 15-22% 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)				
	18/04/2020	19/04/2020	20/04/2020	21/04/2020	22/04/2020
Rainfall(mm)	0	1	0	3	0
T-Max(°C)	40	39	40	38	37
T-Min(°C)	23	24	23	24	24
Cloud Cover(/octa)	3	3	3	5	3
RH Max (%)	71	64	84	71	78
RH Min (%)	15	18	16	22	20
Wind Speed (Kmph)	10	13	9	10	11
Wind Direction (deg)	199	200	162	163	180

**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. P<sub>2</sub>O<sub>5</sub>, and 16 Kg K<sub>2</sub>O 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: 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, Parvani 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 spacing for improved Vars. and at 60x45 cm. spacing for hybrid Varieties.

- **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.
- **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.
- **Onion:** When the leaves turn yellow and fall down then go for harvesting. Keep the neck upto 2-3 cm and cut the top portion and roots. Harvest due to clear and sunny weather.
- **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.

**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-81**  
**Date-17.04.2020**

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 39°C and 24°C, respectively. Relative humidity of the district was around 76-51%. *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-19 March 2020 to 15 April 2020), mildly wet condition was there.*

**Forecasted period: 18<sup>th</sup> April 2020 to 22<sup>nd</sup> April 2020**

**General Advisory:** No rainfall is forecasted for upcoming 5 days. The day temperature will 33-35°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 82-87% and 40-53% 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)				
	18/04/2020	19/04/2020	20/04/2020	21/04/2020	22/04/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	34	33	34	33	35
T-Min(°C)	26	26	26	26	27
Cloud Cover(octa)	0	2	4	6	3
RH Max (%)	82	84	86	87	83
RH Min (%)	40	46	44	53	45
Wind Speed(Kmph)	28	26	24	22	25
Wind Direction(deg)	203	203	203	203	201

**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. P<sub>2</sub>O<sub>5</sub>, and 16 Kg K<sub>2</sub>O 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: 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, Parvani 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 spacing for improved Vars. and at 60x45 cm. spacing for hybrid Varieties.

- **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 Oxylchloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.
- **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.
- **Onion:** When the leaves turn yellow and fall down then go for harvesting. Keep the neck upto 2-3 cm and cut the top portion and roots. Harvest due to clear and sunny weather. **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.

**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-81**  
**Date-17.04.2020**

E-mail: kvkcuttack@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 39°C and 24°C, respectively. Relative humidity of the district was around 76-51%. *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-19 March 2020 to 15 April 2020), mildly wet condition was there.*

**Forecasted period: 18<sup>th</sup> April 2020 to 22<sup>nd</sup> April 2020**

**General Advisory:** No rainfall is forecasted for upcoming 5 days. 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 80-87% and 28-46% 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)				
	18/04/2020	19/04/2020	20/04/2020	21/04/2020	22/04/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	36	35	36	33	36
T-Min(°C)	26	26	26	26	27
Cloud Cover(octa)	1	1	4	6	5
RH Max (%)	81	85	85	87	80
RH Min (%)	28	31	33	46	35
Wind Speed (Kmph)	26	25	22	20	23
Wind Direction (deg)	203	203	203	203	193

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. P<sub>2</sub>O<sub>5</sub>, and 16 Kg K<sub>2</sub>O 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: 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, Parvani 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 spacing for improved Vars. and at 60x45 cm. spacing for hybrid Varieties.

- **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 Oxochloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.
- **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.
- **Onion:** When the leaves turn yellow and fall down then go for harvesting. Keep the neck upto 2-3 cm and cut the top portion and roots. Harvest due to clear and sunny weather.
- **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.

**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-81**  
**Date-17.04.2020**

E-mail: kvkcuttack@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 39°C and 24°C, respectively. Relative humidity of the district was around 76-51%. *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-19 March 2020 to 15 April 2020), mildly wet condition was there.*

Forecasted period: 18<sup>th</sup> April 2020 to 22<sup>nd</sup> April 2020

**General Advisory:** No rainfall is forecasted for upcoming 5 days. The day temperature will 33-37°C and night temperature will be 26-27°C for upcoming 5 days. Maximum and minimum relative humidity will be 81-87% and 27-46% 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)				
	18/04/2020	19/04/2020	20/04/2020	21/04/2020	22/04/2020
Date	18/04/2020	19/04/2020	20/04/2020	21/04/2020	22/04/2020
Rainfall(mm)	0	0	0	0	0
T-Max(°C)	37	35	36	33	36
T-Min(°C)	26	26	26	26	27
Cloud Cover(octa)	1	2	4	6	5
RH Max (%)	81	86	86	87	81
RH Min (%)	27	30	32	46	34
Wind Speed (Kmph)	26	25	21	20	23
Wind Direction (deg)	203	200	203	203	193

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. P<sub>2</sub>O<sub>5</sub>, and 16 Kg K<sub>2</sub>O 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: 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 spacing for improved Vars. and at 60x45 cm. spacing for hybrid Varieties.

- **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 Oxylchloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.
- **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.
- **Onion:** When the leaves turn yellow and fall down then go for harvesting. Keep the neck upto 2-3 cm and cut the top portion and roots. Harvest due to clear and sunny weather.
- **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.

**Dr. Dilip Ranjan Sarangi**  
(Nodal officer)

**Debasish Jena**  
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**GRAMIN KRUSHI MAUSAM SEVA**  
**INDIA METEOROLOGICAL DEPARTMENT**  
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**(A Unit of ICAR-National Rice Research Institute)**



**Bulletin No-81**  
**Date-17.04.2020**

E-mail: kvkcuttack@gmail.com  
**AGROMET ADVISORY BULLETIN FOR TANGI-CHOUDWAR**

District Past week weather condition

The district received 0 mm rainfall during the last week. The mean daily maximum and minimum temperature was 39°C and 24°C, respectively. Relative humidity of the district was around 76-51%. *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-19 March 2020 to 15 April 2020), mildly wet condition was there.*

**Forecasted period: 18<sup>th</sup> April 2020 to 22<sup>nd</sup> April 2020**

**General Advisory:** Very light rain or thundershower is forecasted on Saturday and Monday. The day temperature will 34-36°C and night temperature will be 28°C for upcoming 5 days. Maximum and minimum relative humidity will be 82-85% and 46-60% 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)				
	18/04/2020	19/04/2020	20/04/2020	21/04/2020	22/04/2020
Rainfall(mm)	0	2	0	3	0
T-Max(°C)	36	35	35	34	35
T-Min(°C)	28	28	28	28	28
Cloud Cover(octa)	0	0	4	6	4
RH Max (%)	82	85	85	85	82
RH Min (%)	46	51	53	60	55
Wind Speed (Kmph)	29	27	28	24	26
Wind Direction (deg)	203	201	203	204	203

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. P<sub>2</sub>O<sub>5</sub>, and 16 Kg K<sub>2</sub>O 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: 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, Parvani 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 spacing for improved Vars. and at 60x45 cm. spacing for hybrid Varieties.

- **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 Oxylchloride 50% WP @ 3 g/litre of water and Metalaxyl 8% + Mancozeb 64% @ 2.5 g/litre of water in clear and dry weather.
- **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.
- **Onion:** When the leaves turn yellow and fall down then go for harvesting. Keep the neck upto 2-3 cm and cut the top portion and roots. Harvest due to clear and sunny weather.
- **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.

**Dr. Dilip Ranjan Sarangi**  
(Nodal officer)

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**Bulletin No-81**  
**Date-17.04.2020**

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**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 39°C and 24°C, respectively. Relative humidity of the district was around 76-51%. *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-19 March 2020 to 15 April 2020), mildly wet condition was there.*

**Forecasted period: 18<sup>th</sup> April 2020 to 22<sup>nd</sup> April 2020**

**General Advisory:** Very light rain or thundershower is forecasted on Saturday and Monday. The day temperature will 36-39°C and night temperature will be 24-26°C for upcoming 5 days. Maximum and minimum relative humidity will be 80-91% and 19-37% 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)				
	18/04/2020	19/04/2020	20/04/2020	21/04/2020	22/04/2020
Date	18/04/2020	19/04/2020	20/04/2020	21/04/2020	22/04/2020
Rainfall(mm)	0	2	0	5	0
T-Max(°C)	38	39	38	36	37
T-Min(°C)	25	24	25	25	26
Cloud Cover(octa)	2	2	4	6	4
RH Max (%)	80	90	91	85	83
RH Min (%)	19	23	23	37	27
Wind Speed (Kmph)	16	19	15	17	19
Wind Direction (deg)	203	167	180	161	180

**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. P<sub>2</sub>O<sub>5</sub>, and 16 Kg K<sub>2</sub>O 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: 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 spacing for improved Vars. and at 60x45 cm. spacing for hybrid Varieties.

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