

# ogimogimetAgromet Forecast Issuing Authority Agro met. Advisory Service Unit

Met. Centre, Lucknow

PART-I

Bulletin No- 98/18

ISSUING DATE: 11.12.2018

<u>Past Weather in different districts of Agro climatic zones for the period From 0830 Significant hrs IST of 08.12.2018 to 0830 hrs IST of 11.12.2018</u>		<u>Weather forecast in different districts Of Agro climatic zones until 0830 hrs IST of 16.12.2018</u>	
<b>(I) <u>NODAL OFFICER, ALLAHABAD:</u> Districts: Fatehpur, Pratapgarh, Allahabad, Chitrakutnagar and Kausambi</b>			
<b>Weather Summary</b>	Weather was dry during the period.	<b>Weather Forecast</b>	Weather will be most likely dry during the period.
<b>Max./Min. Temp</b>	Min temp. will be $-1^{\circ}\text{C}$ to $+1^{\circ}\text{C}$ from normal (Normal min. temp. $10^{\circ}\text{C}$ )	<b>Max./Min. Temp</b>	Min temp. will be $-3^{\circ}\text{C}$ to $+1^{\circ}\text{C}$ from normal (Normal min. temp. $10^{\circ}\text{C}$ )
<b>Wind Dir./Speed</b>	Southwesterly to northeasterly wind with speed 1-5 kmph.	<b>Wind Dir./Speed</b>	Northeasterly to northwesterly wind with speed 5-8 Kmph.
<b>Relative Humidity</b>	Relative Humidity was approximately normal.	<b>Relative Humidity</b>	Relative Humidity will be approximately normal.
<b>Cloud Status</b>	Clear to mainly clear sky.	<b>Cloud Status</b>	Clear to partly cloudy sky.
<b>Chief Amount of R/F (<math>\geq 5</math> cm)</b>	NIL	<b>Weather Warning</b>	NIL
<b>(II) <u>NODAL OFFICER, BAHRAICH:</u> Districts: Baharaich, Shrawasti, Balrampur, Gonda, Kushinagar , Siddharthnagar and Maharajganj</b>			
<b>Weather Summary</b>	Weather was dry during the period.	<b>Weather Forecast</b>	Weather will be most likely dry during the period.
<b>Max./Min. Temp</b>	Min temp. will be $-1^{\circ}\text{C}$ to $0^{\circ}\text{C}$ from normal (Normal min. temp. $11^{\circ}\text{C}$ )	<b>Max./Min. Temp</b>	Min temp. will be $-1^{\circ}\text{C}$ to $+1^{\circ}\text{C}$ from normal (Normal min. temp. $10^{\circ}\text{C}$ )

<b>Wind Dir./Sped</b>	Southwesterly to northeasterly wind with speed 1-2 kmph.	<b>Wind Dir./Speed</b>	Northeasterly to westerly wind with speed 5-7 Kmph.
<b>Relative Humidity</b>	Relative Humidity was approximately normal.	<b>Relative Humidity</b>	Relative Humidity will be above normal.
<b>Cloud Status</b>	Clear sky.	<b>Cloud Status</b>	Clear to mainly clear sky.
<b>Chief Amount of R/F ( &gt;= 5 cm)</b>	<b>NIL</b>	<b>Weather Warning</b>	<b>NIL</b>

(III) **NODAL OFFICERS (BHARARI): Districts: Jalaun, Jhansi, Lalitpur, Mahoba, Banda and Hamirpur**

<b>Weather Summary</b>	Weather was dry during the period.	<b>Weather Forecast</b>	Weather will be most likely dry during the period.
<b>Max./Min. Temp</b>	Min temp. will be +1 <sup>0</sup> C to +2 <sup>0</sup> C from normal (Normal min. temp. 9 <sup>0</sup> C)	<b>Max./Min. Temp</b>	Min temp. will be 0 <sup>0</sup> C to +1 <sup>0</sup> C from normal (Normal min. temp. 09 <sup>0</sup> C)
<b>Wind Dir./Speed</b>	Westerly to southeasterly wind with speed 1-2 kmph.	<b>Wind Dir./Speed</b>	Northeasterly to northwesterly wind with speed 5-9 kmph.
<b>Relative Humidity</b>	Relative Humidity was approximately normal.	<b>Relative Humidity</b>	Relative Humidity will be above normal.
<b>Cloud Status</b>	Clear sky.	<b>Cloud Status</b>	Clear to mainly clear sky.
<b>Chief Amount of R/F ( &gt;= 5 cm)</b>	<b>NIL</b>	<b>Weather Warning</b>	<b>NIL</b>

(IV) **NODAL OFFICERS, (FAIZABAD): Districts: Barabanki, Sultanpur, Amethi, Faizabad, Basti, Raebareli, Ambedkarnagar, Sant Kabirnagar, Gorakhpur, Deoria and Ballia**

<b>Weather Summary</b>	Weather was dry during the period.	<b>Weather Forecast</b>	Weather will be most likely dry during the period.
<b>Max./Min. Temp</b>	Min temp. will be -4 <sup>0</sup> C to -1 <sup>0</sup> C from normal (Normal min. temp. 11 <sup>0</sup> C)	<b>Max./Min. Temp</b>	Min temp. will be -3 <sup>0</sup> C to +1 <sup>0</sup> C from normal (Normal min. temp. 10 <sup>0</sup> C)
<b>Wind</b>	Westerly to northeasterly wind with speed	<b>Wind</b>	Northeasterly to northwesterly wind with

<b>Dir./Speed</b>	0-1 kmph.	<b>Dir./Speed</b>	speed 6-8 kmph.
<b>Relative Humidity</b>	Relative Humidity was below normal.	<b>Relative Humidity</b>	Relative Humidity will be approximately normal.
<b>Cloud Status</b>	Clear sky.	<b>Cloud Status</b>	Clear to partly clear sky.
<b>Chief Amount of R/F ( &gt;= 5 cm)</b>	<b>NIL</b>	<b>Weather Warning</b>	<b>NIL</b>
(V) <b><u>NODAL OFFICERS, KANPUR:</u></b> Districts: Kanauji, Hathras, Mathura, Agra, Etah, Mainpuri, Firozabad, Etawah, Auraiya, Kanpur-Rural, Kanpur-Urban, Unnao, Lucknow, Sitapur, Hardoi, Kheri and Kanshiram Nagar			
<b>Weather Summary</b>	Weather was dry during the period.	<b>Weather Forecast</b>	Weather will be most likely dry during the period.
<b>Max./Min. Temp</b>	Min temp. will be normal -2 <sup>0</sup> C to 0 <sup>0</sup> C from normal (Normal min. temp. 9 <sup>0</sup> C)	<b>Max./Min. Temp</b>	Min temp. will be 0 <sup>0</sup> C to +2 C from normal (Normal min. temp. 09 <sup>0</sup> C)
<b>Wind Dir./Speed</b>	Northwesterly to southeasterly wind with speed 1-4 kmph	<b>Wind Dir./Speed</b>	Northeasterly to northerly wind with speed 6-7 Kmph.
<b>Relative Humidity</b>	Relative Humidity was approximately normal.	<b>Relative Humidity</b>	Relative Humidity will be above normal.
<b>Cloud Status</b>	Clear sky.	<b>Cloud Status</b>	Clear to partly cloudy sky.
<b>Chief Amount of R/F ( &gt;= 5 cm)</b>	<b>NIL</b>	<b>Weather Warning</b>	<b>NIL</b>
(VI) <b><u>NODAL OFFICER, MODIPURAM:</u></b> Districts: Meerut, Pilibhit, Saharanpur, Muzaffarnagar, Baghpat, Ghaziabad, Gautambudhnagar, Aligarh, Bulandshahar, Moradabad, Jyotiba phule Nagar, Bijnore, Badaun, Bareilly, Rampur, Shahjahanpur, Farrukhabad, Shamali, Sambhal and Hapur			
<b>Weather Summary</b>	Weather was dry during the period.	<b>Weather Forecast</b>	Weather will be most likely dry during the period.
<b>Max./Min. Temp</b>	Min temp. will be -2 <sup>0</sup> C to +1 <sup>0</sup> C from normal (Normal min. temp. 8 <sup>0</sup> C)	<b>Max./Min. Temp</b>	Min temp. will be -3 <sup>0</sup> C to +4 <sup>0</sup> C from normal (Normal min. temp. 07 <sup>0</sup> C)

<b>Wind Dir./Speed</b>	Southwesterly to southeasterly wind with speed 0-1 kmph.	<b>Wind Dir./Speed</b>	Northeasterly to northwesterly wind with speed 6-9 Kmph.
<b>Relative Humidity</b>	Relative Humidity was approximately normal.	<b>Relative Humidity</b>	Relative Humidity will be above normal.
<b>Cloud Status</b>	Clear to mainly clear sky.	<b>Cloud Status</b>	Clear to partly cloudy sky.
<b>Chief Amount of R/F ( &gt;= 5 cm)</b>	<b>NIL</b>	<b>Weather Warning</b>	NIL
(VII) <b><u>NODAL OFFICER, VARANASI: (B.H.U.):</u></b> Districts: Varanasi, Azamgarh, Ghazipur, Chandauli, Sonbhadra, Mirzapur, Santravidasnagar, Jaunpur and Mau			
<b>Weather Summary</b>	Weather was dry during the period.	<b>Weather Forecast</b>	Weather will be most likely dry during the period.
<b>Max./Min. Temp</b>	Min temp. will be -2 <sup>0</sup> C to -1 <sup>0</sup> C from normal (Normal min. temp. 10 <sup>0</sup> C)	<b>Max./Min. Temp</b>	Min temp. will be -1 <sup>0</sup> C to +2 <sup>0</sup> C from normal (Normal min. temp. 10 <sup>0</sup> C)
<b>Wind Dir./Speed</b>	Calm to northerly wind with speed 0-3 kmph	<b>Wind Dir./Speed</b>	Northeasterly to northwesterly wind with speed 5-8 Kmph.
<b>Relative Humidity</b>	Relative Humidity was approximately normal.	<b>Relative Humidity</b>	Relative Humidity will be approximately normal.
<b>Cloud Status</b>	Clear to mainly clear sky.	<b>Cloud Status</b>	Clear to partly cloudy sky.
<b>Chief Amount of R/F ( &gt;= 5 cm)</b>	<b>NIL.</b>	<b>Weather Warning</b>	NIL

(R P KURIL)  
For DIRECTOR I/C  
M.C. LUCKNOW

**Forecast Issuing Authority Agro met. Advisory Service Unit, Met. Centre, Lucknow**

**PART-II**

**District wise Agro met Advisories**

**Bulletin No.98/18**

**ISSUING DATE: 11.12.2018**

Crops	Crop stage	<b>I. <u>NODAL OFFICER, ALLAHABAD</u> : Districts: Fatehpur, Pratapgarh, Allahabad, Chitrakutnagar and Kausambi.</b>
<b>Rabi Crop/ Soil testing</b>	<b>General</b>	<ul style="list-style-type: none"> <li>➤ Fertilizers Soil testing is the base for management decisions about fertilizer requirements. Fertilizer addition, which is based on soil testing, usually leads to an increase in yields and profits by providing the correct amounts of needed nutrients. Regular soil testing also contributes to environmental sustainability as the use of excess fertilizers can be avoided. For this purpose soil health card is important for every farmer and after registration test the soil in every season in every district's soil testing Laboratory.</li> <li>➤ Lower underground water contamination due to leaching of urea.</li> <li>➤ Neem serves as a natural insecticide.</li> <li>➤ Treat the soil according to the recommendation to protect the land from diseases.</li> </ul>
<b>Wheat</b>	<b>Sowing</b>	<ul style="list-style-type: none"> <li>➤ Undertake line sowing of rain fed crops at proper soil moisture for higher germination and stand establishment.</li> <li>➤ Make sure of the light irrigation of 19 -23 days of sowing in wheat.</li> <li>➤ For late sowing of wheat, make advance arrangement of seed for sowing regional recommended varieties like K-9533, K-9423 from 25 November.</li> <li>➤ In the irrigated condition, the field selective varieties of wheat such as K-0307, H.D.-2687 should be sowed.</li> </ul>
<b>Barley</b>	<b>Sowing</b>	<ul style="list-style-type: none"> <li>➤ Undertake line sowing of rain fed crops at proper soil moisture for higher germination and stand establishment.</li> <li>➤ In the irrigated condition, the field selective varieties of wheat such as Jyoti, Jagriti, Ras-6, Rekha, Pragati should be sowed.</li> </ul>
<b>Rai &amp; mustard</b>	<b>Sowing / Emergence</b>	<ul style="list-style-type: none"> <li>➤ Sowing of recommended species for irrigated areas of rai / mustard, such as Kanti, Rohini, Maya, Urvashi, Basanti (Yellow), Narendra Swarna Rai-8 and sowing of Varuna (T-59) and Vaibhav for non-irrigated areas should be done.</li> </ul>
<b>Pulses</b>	<b>Sowing/ Vegetative growth</b>	<ul style="list-style-type: none"> <li>➤ If pod rollers are found in pods of urad/moong, dissolve b.t. 5 percent w.p. 1.5 kg or quinolphas 25 e.c. 1.5 litre per hectare in 800-1000 liters of water and sprinkle it.</li> <li>➤ Use certified seeds of Bengal gram, chick pea, kabuli, lentil and peas for timely sowing. Seeds should be treated with Rhizobium 6.0 gm/kg seed before sowing.</li> </ul>

<b>Sugarcane</b>	<b>Planting</b>	<ul style="list-style-type: none"> <li>➤ Apply potatoes, garlic, fennel, coriander, lentil and vegetables in the form of inner crops as per available resources between two lines of sugarcane.</li> <li>➤ Tie the sugarcane triangular.</li> <li>➤ Seed Sett to be treated with recommended fungicides/insecticides before planting.</li> </ul>
<b>Early vegetables</b>	<b>Sowing/transplanting</b>	<ul style="list-style-type: none"> <li>➤ Transplant the prepared rabi vegetables and do weeding in the transplanted plants, top-dressing and irrigation as required.</li> <li>➤ It is the proper time for sowing of spices crops like coriander, fennel, fenugreek, celery and soya.</li> <li>➤ Sow the varieties of vegetable peas like Azad Pea-1 and Kashshakti.</li> <li>➤ Transplant the plant for hybrid tomatoes.</li> <li>➤ Spray 0.2% of mancozeb to prevent from Jhulsa disease to crops.</li> <li>➤ Sow recommended species of spinach, radish, capsicum, beetroot, carrot on med.</li> </ul>
<b>Garlic</b>	<b>Sowing/Emergence</b>	<ul style="list-style-type: none"> <li>➤ Sow the advanced varieties of garlic such as Yamuna white G-1, Yamuna white-2 and Yamuna white-3.</li> </ul>
<b>Potato</b>	<b>Planting</b>	<ul style="list-style-type: none"> <li>➤ Irrigate the potato as per the requirement and use soil according to the recommended fertilizer.</li> <li>➤ Undertake planting after tuber treated with recommended pesticide to control soil and tuber born diseases.</li> </ul>
<b>Banana</b>	<b>General</b>	<ul style="list-style-type: none"> <li>➤ Undertake intercultural operation and apply recommended dose of manure and fertilizers as per age of tree.</li> </ul>
<b>Mango</b>	<b>Pest control/General</b>	<ul style="list-style-type: none"> <li>➤ Undertake intercultural operation and apply recommended dose of manure and fertilizers as per age of tree.</li> <li>➤ In the case of the outbreak of tent caterpillar (caterpillar), sprinkle quinolphas 2 ml per litre of water.</li> <li>➤ Cut the twigs from the die back disease. After cutting twigs 5-8 cm below from green part, sprinkle the copper oxychloroide 3 gram per litre water at 15-days interval.</li> </ul>
<b>Lemon</b>	<b>General</b>	<ul style="list-style-type: none"> <li>➤ Undertake intercultural operation and apply recommended dose of manure and fertilizers as per age of tree.</li> </ul>

(R P KURIL)  
For DIRECTOR I/C  
M.C.LUCKNOW

**Forecast Issuing Authority Agro met. Advisory Service Unit, Met. Centre, Lucknow**

**PART-II**

**District wise Agro met Advisories**

**Bulletin No.98/18**

**ISSUING DATE: 11.12.2018**

Crops	Crop stage	<b>II. NODAL OFFICER, BAHRAICH: Districts: Baharaich, Shrawasti, Balrampur, Gonda, Kushinagar , Siddharthnagar and Maharajganj,</b>
<b>Rabi Crop/ Soil testing</b>	<b>General</b>	<ul style="list-style-type: none"> <li>➤ Fertilizers Soil testing is the base for management decisions about fertilizer requirements. Fertilizer addition, which is based on soil testing, usually leads to an increase in yields and profits by providing the correct amounts of needed nutrients. Regular soil testing also contributes to environmental sustainability as the use of excess fertilizers can be avoided. For this purpose soil health card is important for every farmers and after registration test the soil in every season in every district's soil testing Laboratory.</li> <li>➤ Lower underground water contamination due to leaching of urea.</li> <li>➤ Neem serves as a natural insecticide.</li> <li>➤ Treat the soil according to the recommendation to protect the land from diseases.</li> </ul>
<b>Wheat</b>	<b>Sowing</b>	<ul style="list-style-type: none"> <li>➤ Undertake line sowing of rainfed crops at proper soil moisture for higher germination and stand establishment.</li> </ul>
<b>Barley</b>	<b>Sowing</b>	<ul style="list-style-type: none"> <li>➤ Undertake line sowing of rainfed crops at proper soil moisture for higher germination and stand establishment.</li> </ul>
<b>Paddy</b>	<b>Harvesting</b>	<ul style="list-style-type: none"> <li>➤ Dry paddy in shade after harvesting. Drying in the Sun can crack the grains.</li> <li>➤ Paddy should be harvested at 90% maturity or in the state of receiving golden color of paddy grains, otherwise the scramble can reduce productivity.</li> <li>➤ Undertake harvesting and threshing of mature crop.</li> </ul>
<b>Rai &amp; mustard</b>	<b>Sowing / Emergence</b>	<ul style="list-style-type: none"> <li>➤ Sowing of recommended species for irrigated areas of rai / mustard, such as Kanti, Rohini, Maya, Urvashi, Basanti (Yellow), Narendra Swarna Rai-8 and sowing of Varuna (T-59) and Vaibhav for non-irrigated areas should be done.</li> </ul>
<b>Pulses</b>	<b>Sowing/ Vegetative growth</b>	<ul style="list-style-type: none"> <li>➤ If pod rollers are found in pods of urad/moong, dissolve b.t. 5 percent w.p. 1.5 kg or quinolphas 25 e.c. 1.5 litre per hectare in 800-1000 liters of water and sprinkle it.</li> <li>➤ Use certified seeds of Bengal gram, chick pea, kabuli, lentil and peas for timely sowing. Seeds should be treated with Rhizobium 6.0 gm/kg seed before sowing.</li> </ul>
<b>Sugarcane</b>	<b>Planting</b>	<ul style="list-style-type: none"> <li>➤ Apply potatoes, garlic, fennel, coriander, lentil and vegetables in the form of inner crops as per available resources between two lines of sugarcane.</li> <li>➤ Tie the sugarcane triangular.</li> <li>➤ Seed Sett to be treated with recommended fungicides/insecticides before planting.</li> </ul>

<b>Early vegetables</b>	<b>Sowing/ transplanting</b>	<ul style="list-style-type: none"> <li>➤ Transplant the prepared rabi vegetables and do weeding in the transplanted plants, top-dressing and irrigation as required.</li> <li>➤ It is the proper time for sowing of spices crops like coriander, fennel, fenugreek, celery and soya.</li> <li>➤ Sow the varieties of vegetable peas like Azad Pea-1 and Kashshakti.</li> <li>➤ Transplant the plant for hybrid tomatoes.</li> </ul>
<b>Garlic</b>	<b>Sowing/ Emergence</b>	<ul style="list-style-type: none"> <li>➤ Sow the advanced varieties of garlic such as Yamuna white G-1, Yamuna white-2 and Yamuna white-3.</li> </ul>
<b>Potato</b>	<b>Planting</b>	<ul style="list-style-type: none"> <li>➤ Irrigate the potato as per the requirement and use soil according to the recommended fertilizer.</li> <li>➤ Undertake planting after tuber treated with recommended pesticide to control soil and tuber born diseases.</li> </ul>
<b>Banana</b>	<b>General</b>	<ul style="list-style-type: none"> <li>➤ Undertake intercultural operation and apply recommended dose of manure and fertilizers as per age of tree.</li> </ul>
<b>Mango</b>	<b>Pest control/ General</b>	<ul style="list-style-type: none"> <li>➤ Undertake intercultural operation and apply recommended dose of manure and fertilizers as per age of tree.</li> <li>➤ In the case of the outbreak of tent caterpillar (caterpillar), sprinkle quinolphas 2 ml per litre of water.</li> <li>➤ Cut the twigs from the die back disease. After cutting twigs 5-8 cm below from green part, sprinkle the copper oxychloroide 3 gram per litre water at 15-days interval.</li> </ul>
<b>Lemon</b>	<b>General</b>	<ul style="list-style-type: none"> <li>➤ Undertake intercultural operation and apply recommended dose of manure and fertilizers as per age of tree.</li> </ul>

(R P KURIL)  
For DIRECTOR I/C  
M.C.LUCKNOW

**Forecast Issuing Authority Agro met. Advisory Service Unit, Met. Centre, Lucknow**

**PART-II**

**District wise Agro met Advisories**

**Bulletin No.98/18**

**ISSUING DATE: 11.12.2018**

<b>Crops</b>	<b>Crop stage</b>	<b>III. <u>NODAL OFFICERS (BHARARI):</u> Districts: Jalaun, Jhansi, Lalitpur, Mahoba, Banda, Hamirpur</b>
<b>Rabi Crop/ Soil testing</b>	<b>General</b>	<ul style="list-style-type: none"> <li>➤ Fertilizers Soil testing is the base for management decisions about fertilizer requirements. Fertilizer addition, which is based on soil testing, usually leads to an increase in yields and profits by providing the correct amounts of needed nutrients. Regular soil testing also contributes to environmental sustainability as the use of excess fertilizers can be avoided. For this purpose soil health card is important for every farmers and after registration test the soil in every season in every district's soil testing</li> </ul>



		<p>Laboratory.</p> <ul style="list-style-type: none"> <li>➤ Lower underground water contamination due to leaching of urea.</li> <li>➤ Neem serves as a natural insecticide.</li> <li>➤ Treat the soil according to the recommendation to protect the land from diseases.</li> </ul>
<b>Wheat</b>	<b>Sowing</b>	<ul style="list-style-type: none"> <li>➤ Undertake line sowing of rainfed crops at proper soil moisture for higher germination and stand establishment.</li> </ul>
<b>Barley</b>	<b>Sowing</b>	<ul style="list-style-type: none"> <li>➤ Undertake line sowing of rainfed crops at proper soil moisture for higher germination and stand establishment.</li> </ul>
<b>Paddy</b>	<b>Harvesting</b>	<ul style="list-style-type: none"> <li>➤ Dry paddy in shade after harvesting. Drying in the Sun can crack the grains.</li> <li>➤ Paddy should be harvested at 90% maturity or in the state of receiving golden color of paddy grains, otherwise the scramble can reduce productivity.</li> <li>➤ Undertake harvesting and threshing of mature crop.</li> </ul>
<b>Rai &amp; mustard</b>	<b>Sowing / Emergence</b>	<ul style="list-style-type: none"> <li>➤ Sowing of recommended species for irrigated areas of rai / mustard, such as Kanti, Rohini, Maya, Urvashi, Basanti (Yellow), Narendra Swarna Rai-8 and sowing of Varuna (T-59) and Vaibhav for non-irrigated areas should be done.</li> </ul>
<b>Pulses</b>	<b>Sowing/ Vegetative growth</b>	<ul style="list-style-type: none"> <li>➤ If pod rollers are found in pods of urad/moong, dissolve b.t. 5 percent w.p. 1.5 kg or quinolphas 25 e.c. 1.5 litre per hectare in 800-1000 liters of water and sprinkle it.</li> <li>➤ Use certified seeds of Bengal gram, chick pea, kabuli, lentil and peas for timely sowing. Seeds should be treated with Rhizobium 6.0 gm/kg seed before sowing.</li> </ul>
<b>Sugarcane</b>	<b>Planting</b>	<ul style="list-style-type: none"> <li>➤ Apply potatoes, garlic, fennel, coriander, lentil and vegetables in the form of inner crops as per available resources between two lines of sugarcane.</li> <li>➤ Tie the sugarcane triangular.</li> <li>➤ Seed Sett to be treated with recommended fungicides/insecticides before planting.</li> </ul>
<b>Early vegetables</b>	<b>Sowing/ transplanting</b>	<ul style="list-style-type: none"> <li>➤ Transplant the prepared rabi vegetables and do weeding in the transplanted plants, top-dressing and irrigation as required.</li> <li>➤ It is the proper time for sowing of spices crops like coriander, fennel, fenugreek, celery and soya.</li> <li>➤ Sow the varieties of vegetable peas like Azad Pea-1 and Kashshakti.</li> <li>➤ Transplant the plant for hybrid tomatoes.</li> </ul>
<b>Garlic</b>	<b>Sowing/ Emergence</b>	<ul style="list-style-type: none"> <li>➤ Sow the advanced varieties of garlic such as Yamuna white G-1, Yamuna white-2 and Yamuna white-3.</li> </ul>
<b>Potato</b>	<b>Planting</b>	<ul style="list-style-type: none"> <li>➤ Irrigate the potato as per the requirement and use soil according to the recommended fertilizer.</li> <li>➤ Undertake planting after tuber treated with recommended pesticide to control soil and tuber born diseases.</li> </ul>

<b>Banana</b>	<b>General</b>	➤ Undertake intercultural operation and apply recommended dose of manure and fertilizers as per age of tree.
<b>Mango</b>	<b>Pest control/ General</b>	<ul style="list-style-type: none"> <li>➤ Undertake intercultural operation and apply recommended dose of manure and fertilizers as per age of tree.</li> <li>➤ In the case of the outbreak of tent caterpillar (caterpillar), sprinkle quinolphas 2 ml per litre of water.</li> <li>➤ Cut the twigs from the die back disease. After cutting twigs 5-8 cm below from green part, sprinkle the copper oxychloroide 3 gram per litre water at 15-days interval.</li> </ul>
<b>Lemon</b>	<b>General</b>	➤ Undertake intercultural operation and apply recommended dose of manure and fertilizers as per age of tree.

(R P KURIL)  
For DIRECTOR I/C  
M.C.LUCKNOW

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**PART-II**

**District wise Agro met Advisories**

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**ISSUING DATE: 11.12.2018**

Crops	Crop stage	<b>IV. NODAL OFFICERS, (FAIZABAD) : Districts: Barabanki, Sultanpur, Amethi, Faizabad, Basti, Raebareli, Ambedkarnagar, Sant Kabirnagar, Gorakhpur, Deoria, and Ballia.</b>
<b>Rabi Crop/ Soil testing</b>	<b>General</b>	<ul style="list-style-type: none"> <li>➤ Fertilizers Soil testing is the base for management decisions about fertilizer requirements. Fertilizer addition, which is based on soil testing, usually leads to an increase in yields and profits by providing the correct amounts of needed nutrients. Regular soil testing also contributes to environmental sustainability as the use of excess fertilizers can be avoided. For this purpose soil health card is important for every farmers and after registration test the soil in every season in every district's soil testing Laboratory.</li> <li>➤ Lower underground water contamination due to leaching of urea.</li> <li>➤ Neem serves as a natural insecticide.</li> <li>➤ Treat the soil according to the recommendation to protect the land from diseases.</li> </ul>
<b>Wheat</b>	<b>Sowing</b>	➤ Undertake line sowing of rainfed crops at proper soil moisture for higher germination and stand establishment.
<b>Barley</b>	<b>Sowing</b>	➤ Undertake line sowing of rainfed crops at proper soil moisture for higher germination and stand establishment.

<b>Paddy</b>	<b>Harvesting</b>	<ul style="list-style-type: none"> <li>➤ Dry paddy in shade after harvesting. Drying in the Sun can crack the grains.</li> <li>➤ Paddy should be harvested at 90% maturity or in the state of receiving golden color of paddy grains, otherwise the scramble can reduce productivity.</li> <li>➤ Undertake harvesting and threshing of mature crop.</li> </ul>
<b>Rai &amp; mustard</b>	<b>Sowing / Emergence</b>	<ul style="list-style-type: none"> <li>➤ Sowing of recommended species for irrigated areas of rai / mustard, such as Kanti, Rohini, Maya, Urvashi, Basanti (Yellow), Narendra Swarna Rai-8 and sowing of Varuna (T-59) and Vaibhav for non-irrigated areas should be done.</li> </ul>
<b>Pulses</b>	<b>Sowing/ Vegetative growth</b>	<ul style="list-style-type: none"> <li>➤ If pod rollers are found in pods of urad/moong, dissolve b.t. 5 percent w.p. 1.5 kg or quinolphas 25 e.c. 1.5 litre per hectare in 800-1000 liters of water and sprinkle it.</li> <li>➤ Use certified seeds of Bengal gram, chick pea, kabuli, lentil and peas for timely sowing. Seeds should be treated with Rhizobium 6.0 gm/kg seed before sowing.</li> </ul>
<b>Sugarcane</b>	<b>Planting</b>	<ul style="list-style-type: none"> <li>➤ Apply potatoes, garlic, fennel, coriander, lentil and vegetables in the form of inner crops as per available resources between two lines of sugarcane.</li> <li>➤ Tie the sugarcane triangular.</li> <li>➤ Seed Sett to be treated with recommended fungicides/insecticides before planting.</li> </ul>
<b>Early vegetables</b>	<b>Sowing/ transplanting</b>	<ul style="list-style-type: none"> <li>➤ Transplant the prepared rabi vegetables and do weeding in the transplanted plants, top-dressing and irrigation as required.</li> <li>➤ It is the proper time for sowing of spices crops like coriander, fennel, fenugreek, celery and soya.</li> <li>➤ Sow the varieties of vegetable peas like Azad Pea-1 and Kashshakti.</li> <li>➤ Transplant the plant for hybrid tomatoes.</li> </ul>
<b>Garlic</b>	<b>Sowing/ Emergence</b>	<ul style="list-style-type: none"> <li>➤ Sow the advanced varieties of garlic such as Yamuna white G-1, Yamuna white-2 and Yamuna white-3.</li> </ul>
<b>Potato</b>	<b>Planting</b>	<ul style="list-style-type: none"> <li>➤ Irrigate the potato as per the requirement and use soil according to the recommended fertilizer.</li> <li>➤ Undertake planting after tuber treated with recommended pesticide to control soil and tuber born diseases.</li> </ul>
<b>Banana</b>	<b>General</b>	<ul style="list-style-type: none"> <li>➤ Undertake intercultural operation and apply recommended dose of manure and fertilizers as per age of tree.</li> </ul>
<b>Mango</b>	<b>Pest control/ General</b>	<ul style="list-style-type: none"> <li>➤ Undertake intercultural operation and apply recommended dose of manure and fertilizers as per age of tree.</li> <li>➤ In the case of the outbreak of tent caterpillar (caterpillar), sprinkle quinolphas 2 ml per litre of water.</li> <li>➤ Cut the twigs from the die back disease. After cutting twigs 5-8 cm below from green part, sprinkle the copper oxychloroide 3 gram per litre water at 15-days interval.</li> </ul>
<b>Lemon</b>	<b>General</b>	<ul style="list-style-type: none"> <li>➤ Undertake intercultural operation and apply recommended dose of manure and fertilizers as per age of tree.</li> </ul>

(R P KURIL)

**Forecast Issuing Authority Agro met. Advisory Service Unit, Met. Centre, Lucknow**

**PART-II**

**District wise Agro met Advisories**

**Bulletin No.98/18**

**ISSUING DATE: 11.12.2018**

Crops	Crop stage	V. <b><u>NODAL OFFICERS, KANPUR</u></b> Districts: Kanauji, Hathras, Mathura, Agra, Etah, Mainpuri, Firozabad, Etawah, Auraiya, Kanpur-Rural, Kanpur-Urban, Unnao, Lucknow, Sitapur, Hardoi, Kheri and Kanshiram Nagar.
<b>Rabi Crop/ Soil testing</b>	<b>General</b>	<ul style="list-style-type: none"> <li>➤ Fertilizers Soil testing is the base for management decisions about fertilizer requirements. Fertilizer addition, which is based on soil testing, usually leads to an increase in yields and profits by providing the correct amounts of needed nutrients. Regular soil testing also contributes to environmental sustainability as the use of excess fertilizers can be avoided. For this purpose soil health card is important for every farmers and after registration test the soil in every season in every district's soil testing Laboratory.</li> <li>➤ Lower underground water contamination due to leaching of urea.</li> <li>➤ Neem serves as a natural insecticide.</li> <li>➤ Treat the soil according to the recommendation to protect the land from diseases.</li> </ul>
<b>Wheat</b>	<b>Sowing</b>	<ul style="list-style-type: none"> <li>➤ Undertake line sowing of rainfed crops at proper soil moisture for higher germination and stand establishment.</li> </ul>
<b>Barley</b>	<b>Sowing</b>	<ul style="list-style-type: none"> <li>➤ Undertake line sowing of rainfed crops at proper soil moisture for higher germination and stand establishment.</li> </ul>
<b>Paddy</b>	<b>Harvesting</b>	<ul style="list-style-type: none"> <li>➤ Dry paddy in shade after harvesting. Drying in the Sun can crack the grains.</li> <li>➤ Paddy should be harvested at 90% maturity or in the state of receiving golden color of paddy grains, otherwise the scramble can reduce productivity.</li> <li>➤ Undertake harvesting and threshing of mature crop.</li> </ul>
<b>Rai &amp; mustard</b>	<b>Sowing / Emergence</b>	<ul style="list-style-type: none"> <li>➤ Sowing of recommended species for irrigated areas of rai / mustard, such as Kanti, Rohini, Maya, Urvashi, Basanti (Yellow), Narendra Swarna Rai-8 and sowing of Varuna (T-59) and Vaibhav for non-irrigated areas should be done.</li> </ul>

<b>Pulses</b>	<b>Sowing/ Vegetative growth</b>	<ul style="list-style-type: none"> <li>➤ If pod rollers are found in pods of urad/moong, dissolve b.t. 5 percent w.p. 1.5 kg or quinolphas 25 e.c. 1.5 litre per hectare in 800-1000 liters of water and sprinkle it.</li> <li>➤ Use certified seeds of Bengal gram, chick pea, kabuli, lentil and peas for timely sowing. Seeds should be treated with Rhizobium 6.0 gm/kg seed before sowing.</li> </ul>
<b>Sugarcane</b>	<b>Planting</b>	<ul style="list-style-type: none"> <li>➤ Apply potatoes, garlic, fennel, coriander, lentil and vegetables in the form of inner crops as per available resources between two lines of sugarcane.</li> <li>➤ Tie the sugarcane triangular.</li> <li>➤ Seed Sett to be treated with recommended fungicides/insecticides before planting.</li> </ul>
<b>Early vegetables</b>	<b>Sowing/ transplanting</b>	<ul style="list-style-type: none"> <li>➤ Transplant the prepared rabi vegetables and do weeding in the transplanted plants, top-dressing and irrigation as required.</li> <li>➤ It is the proper time for sowing of spices crops like coriander, fennel, fenugreek, celery and soya.</li> <li>➤ Sow the varieties of vegetable peas like Azad Pea-1 and Kashshakti.</li> <li>➤ Transplant the plant for hybrid tomatoes.</li> </ul>
<b>Garlic</b>	<b>Sowing/ Emergence</b>	<ul style="list-style-type: none"> <li>➤ Sow the advanced varieties of garlic such as Yamuna white G-1, Yamuna white-2 and Yamuna white-3.</li> </ul>
<b>Potato</b>	<b>Planting</b>	<ul style="list-style-type: none"> <li>➤ Irrigate the potato as per the requirement and use soil according to the recommended fertilizer.</li> <li>➤ Undertake planting after tuber treated with recommended pesticide to control soil and tuber born diseases.</li> </ul>
<b>Banana</b>	<b>General</b>	<ul style="list-style-type: none"> <li>➤ Undertake intercultural operation and apply recommended dose of manure and fertilizers as per age of tree.</li> </ul>
<b>Mango</b>	<b>Pest control/ General</b>	<ul style="list-style-type: none"> <li>➤ Undertake intercultural operation and apply recommended dose of manure and fertilizers as per age of tree.</li> <li>➤ In the case of the outbreak of tent caterpillar (caterpillar), sprinkle quinolphas 2 ml per litre of water.</li> <li>➤ Cut the twigs from the die back disease. After cutting twigs 5-8 cm below from green part, sprinkle the copper oxychloroide 3 gram per litre water at 15-days interval.</li> </ul>
<b>Lemon</b>	<b>General</b>	<ul style="list-style-type: none"> <li>➤ Undertake intercultural operation and apply recommended dose of manure and fertilizers as per age of tree.</li> </ul>

(R P KURIL)  
For DIRECTOR I/C  
M.C.LUCKNOW

**Forecast Issuing Authority Agro met. Advisory Service Unit, Met. Centre, Lucknow**

**PART-II**

## District wise Agro met Advisories

Bulletin No.98/18

ISSUING DATE: 11.12.2018

Crops	Crop stage	<b>VI. NODAL OFFICER, MODIPURAM:</b> Districts: Meerut, Pilibhit, Saharanpur, Muzaffarnagar, Baghpat, Ghaziabad, Gautambudhnagar, Aligarh, Bulandshahar, Moradabad, Jyotiba phule Nagar, Bijnore, Badaun, Bareilly, Rampur, Shahjahanpur, Farrukhabad, Shamali, Sambhal and Hapur
<b>Rabi Crop/ Soil testing</b>	<b>General</b>	<ul style="list-style-type: none"> <li>➤ Fertilizers Soil testing is the base for management decisions about fertilizer requirements. Fertilizer addition, which is based on soil testing, usually leads to an increase in yields and profits by providing the correct amounts of needed nutrients. Regular soil testing also contributes to environmental sustainability as the use of excess fertilizers can be avoided. For this purpose soil health card is important for every farmers and after registration test the soil in every season in every district's soil testing Laboratory.</li> <li>➤ Lower underground water contamination due to leaching of urea.</li> <li>➤ Neem serves as a natural insecticide.</li> <li>➤ Treat the soil according to the recommendation to protect the land from diseases.</li> </ul>
<b>Wheat</b>	<b>Sowing</b>	<ul style="list-style-type: none"> <li>➤ Undertake line sowing of rainfed crops at proper soil moisture for higher germination and stand establishment.</li> </ul>
<b>Barley</b>	<b>Sowing</b>	<ul style="list-style-type: none"> <li>➤ Undertake line sowing of rainfed crops at proper soil moisture for higher germination and stand establishment.</li> </ul>
<b>Paddy</b>	<b>Harvesting</b>	<ul style="list-style-type: none"> <li>➤ Dry paddy in shade after harvesting. Drying in the Sun can crack the grains.</li> <li>➤ Paddy should be harvested at 90% maturity or in the state of receiving golden color of paddy grains, otherwise the scramble can reduce productivity.</li> <li>➤ Undertake harvesting and threshing of mature crop.</li> </ul>
<b>Rai &amp; mustard</b>	<b>Sowing / Emergence</b>	<ul style="list-style-type: none"> <li>➤ Sowing of recommended species for irrigated areas of rai / mustard, such as Kanti, Rohini, Maya, Urvashi, Basanti (Yellow), Narendra Swarna Rai-8 and sowing of Varuna (T-59) and Vaibhav for non-irrigated areas should be done.</li> </ul>
<b>Pulses</b>	<b>Sowing/ Vegetative growth</b>	<ul style="list-style-type: none"> <li>➤ If pod rollers are found in pods of urad/moong, dissolve b.t. 5 percent w.p. 1.5 kg or quinolphas 25 e.c. 1.5 litre per hectare in 800-1000 liters of water and sprinkle it.</li> <li>➤ Use certified seeds of Bengal gram, chick pea, kabuli, lentil and peas for timely sowing. Seeds should be treated with Rhizobium 6.0 gm/kg seed before sowing.</li> </ul>
<b>Sugarcane</b>	<b>Planting</b>	<ul style="list-style-type: none"> <li>➤ Apply potatoes, garlic, fennel, coriander, lentil and vegetables in the form of inner crops as per available resources between two lines of sugarcane.</li> <li>➤ Tie the sugarcane triangular.</li> <li>➤ Seed Sett to be treated with recommended fungicides/insecticides before planting.</li> </ul>

<b>Early vegetables</b>	<b>Sowing/ transplanting</b>	<ul style="list-style-type: none"> <li>➤ Transplant the prepared rabi vegetables and do weeding in the transplanted plants, top-dressing and irrigation as required.</li> <li>➤ It is the proper time for sowing of spices crops like coriander, fennel, fenugreek, celery and soya.</li> <li>➤ Sow the varieties of vegetable peas like Azad Pea-1 and Kashshakti.</li> <li>➤ Transplant the plant for hybrid tomatoes.</li> </ul>
<b>Garlic</b>	<b>Sowing/ Emergence</b>	<ul style="list-style-type: none"> <li>➤ Sow the advanced varieties of garlic such as Yamuna white G-1, Yamuna white-2 and Yamuna white-3.</li> </ul>
<b>Potato</b>	<b>Planting</b>	<ul style="list-style-type: none"> <li>➤ Irrigate the potato as per the requirement and use soil according to the recommended fertilizer.</li> <li>➤ Undertake planting after tuber treated with recommended pesticide to control soil and tuber born diseases.</li> </ul>
<b>Banana</b>	<b>General</b>	<ul style="list-style-type: none"> <li>➤ Undertake intercultural operation and apply recommended dose of manure and fertilizers as per age of tree.</li> </ul>
<b>Mango</b>	<b>Pest control/ General</b>	<ul style="list-style-type: none"> <li>➤ Undertake intercultural operation and apply recommended dose of manure and fertilizers as per age of tree.</li> <li>➤ In the case of the outbreak of tent caterpillar (caterpillar), sprinkle quinolphas 2 ml per litre of water.</li> <li>➤ Cut the twigs from the die back disease. After cutting twigs 5-8 cm below from green part, sprinkle the copper oxychloroide 3 gram per litre water at 15-days interval.</li> </ul>
<b>Lemon</b>	<b>General</b>	<ul style="list-style-type: none"> <li>➤ Undertake intercultural operation and apply recommended dose of manure and fertilizers as per age of tree.</li> </ul>

(R P KURIL)  
For DIRECTOR I/C  
M.C.LUCKNOW

**Forecast Issuing Authority Agro met. Advisory Service Unit, Met. Centre, Lucknow**

**PART-II**

**District wise Agro met Advisories**

**Bulletin No.98/18**

**ISSUING DATE: 11.12.2018**

<b>Crops</b>	<b>Crop stage</b>	<b>VII. <u>NODAL OFFICER, VARANASI</u> (B.H.U.): Districts: Varanasi, Azamgarh, Ghazipur, Chandauli, Sonbhadra, Mirzapur, Sant Ravidasnagar, Jaunpur and Mau</b>
<b>Rabi Crop/ Soil testing</b>	<b>General</b>	<ul style="list-style-type: none"> <li>➤ Fertilizers Soil testing is the base for management decisions about fertilizer requirements. Fertilizer addition, which is based on soil testing, usually leads to an increase in yields and profits by providing the correct amounts of needed nutrients. Regular soil testing also contributes to environmental sustainability as the use of excess fertilizers can be avoided. For this purpose soil health card is important for every farmers and after registration test the soil in every season in every district's soil testing</li> </ul>

		<p>Laboratory.</p> <ul style="list-style-type: none"> <li>➤ Lower underground water contamination due to leaching of urea.</li> <li>➤ Neem serves as a natural insecticide.</li> <li>➤ Treat the soil according to the recommendation to protect the land from diseases.</li> </ul>
<b>Wheat</b>	<b>Sowing</b>	<ul style="list-style-type: none"> <li>➤ Undertake line sowing of rainfed crops at proper soil moisture for higher germination and stand establishment.</li> </ul>
<b>Barley</b>	<b>Sowing</b>	<ul style="list-style-type: none"> <li>➤ Undertake line sowing of rainfed crops at proper soil moisture for higher germination and stand establishment.</li> </ul>
<b>Paddy</b>	<b>Harvesting</b>	<ul style="list-style-type: none"> <li>➤ Dry paddy in shade after harvesting. Drying in the Sun can crack the grains.</li> <li>➤ Paddy should be harvested at 90% maturity or in the state of receiving golden color of paddy grains, otherwise the scramble can reduce productivity.</li> <li>➤ Undertake harvesting and threshing of mature crop.</li> </ul>
<b>Rai &amp; mustard</b>	<b>Sowing / Emergence</b>	<ul style="list-style-type: none"> <li>➤ Sowing of recommended species for irrigated areas of rai / mustard, such as Kanti, Rohini, Maya, Urvashi, Basanti (Yellow), Narendra Swarna Rai-8 and sowing of Varuna (T-59) and Vaibhav for non-irrigated areas should be done.</li> </ul>
<b>Pulses</b>	<b>Sowing/ Vegetative growth</b>	<ul style="list-style-type: none"> <li>➤ If pod rollers are found in pods of urad/moong, dissolve b.t. 5 percent w.p. 1.5 kg or quinolphas 25 e.c. 1.5 litre per hectare in 800-1000 liters of water and sprinkle it.</li> <li>➤ Use certified seeds of Bengal gram, chick pea, kabuli, lentil and peas for timely sowing. Seeds should be treated with Rhizobium 6.0 gm/kg seed before sowing.</li> </ul>
<b>Sugarcane</b>	<b>Planting</b>	<ul style="list-style-type: none"> <li>➤ Apply potatoes, garlic, fennel, coriander, lentil and vegetables in the form of inner crops as per available resources between two lines of sugarcane.</li> <li>➤ Tie the sugarcane triangular.</li> <li>➤ Seed Sett to be treated with recommended fungicides/insecticides before planting.</li> </ul>
<b>Early vegetables</b>	<b>Sowing/ transplanting</b>	<ul style="list-style-type: none"> <li>➤ Transplant the prepared rabi vegetables and do weeding in the transplanted plants, top-dressing and irrigation as required.</li> <li>➤ It is the proper time for sowing of spices crops like coriander, fennel, fenugreek, celery and soya.</li> <li>➤ Sow the varieties of vegetable peas like Azad Pea-1 and Kashshakti.</li> <li>➤ Transplant the plant for hybrid tomatoes.</li> </ul>
<b>Garlic</b>	<b>Sowing/ Emergence</b>	<ul style="list-style-type: none"> <li>➤ Sow the advanced varieties of garlic such as Yamuna white G-1, Yamuna white-2 and Yamuna white-3.</li> </ul>
<b>Potato</b>	<b>Planting</b>	<ul style="list-style-type: none"> <li>➤ Irrigate the potato as per the requirement and use soil according to the recommended fertilizer.</li> <li>➤ Undertake planting after tuber treated with recommended pesticide to control soil and tuber born diseases.</li> </ul>



<b>Banana</b>	<b>General</b>	➤ Undertake intercultural operation and apply recommended dose of manure and fertilizers as per age of tree.
<b>Mango</b>	<b>Pest control/ General</b>	<ul style="list-style-type: none"> <li>➤ Undertake intercultural operation and apply recommended dose of manure and fertilizers as per age of tree.</li> <li>➤ In the case of the outbreak of tent caterpillar (caterpillar), sprinkle quinolphas 2 ml per litre of water.</li> <li>➤ Cut the twigs from the die back disease. After cutting twigs 5-8 cm below from green part, sprinkle the copper oxychloride 3 gram per litre water at 15-days interval.</li> </ul>
<b>Lemon</b>	<b>General</b>	➤ Undertake intercultural operation and apply recommended dose of manure and fertilizers as per age of tree.

**(R P KURIL)**  
**For DIRECTOR I/C**  
**M.C.LUCKNOW**