

# Advisory for DD Kisan dated 16.03.18

(Agromet Advisories mentioned in the inputs are prepared by different Agromet Field Units in the country)

## Low Pressure Area

- A **low pressure area** lies over Lakshadweep area and adjoining southeast Arabian Sea with associated upper air cyclonic circulation extending upto 1.5 km above mean sea level. An anticyclonic circulation over the southwest Bay of Bengal is giving rise to moisture incursion over peninsular India. Due to this scattered to fairly widespread rainfall/thundershowers likely over peninsular India and isolated to scattered rainfall/thundershowers activity likely over adjoining central and east India during next 2-3 days.

## Realised Rainfall

(From 0830 hours IST of yesterday to 0830 hours IST of today):

- Heavy rainfall occurred at isolated places over Lakshadweep and Meghalaya from 0830 hours IST of yesterday to 0830 hours IST of today.
- Rain/snow observed at most places over Jammu & Kashmir and Himachal Pradesh; at a few places over Uttarakhand. Rain/thundershowers observed at many places over Lakshadweep, Kerala, South Interior Karnataka, Arunachal Pradesh and Assam & Meghalaya; at a few places over Vidarbha, North Interior Karnataka and Tamil Nadu; at isolated places over East Uttar Pradesh, Chandigarh, Rajasthan, Telangana, Rayalaseema, Coastal Karnataka, Konkan & Goa, Madhya Maharashtra, Marathwada, Nagaland, Manipur, Mizoram & Tripura, Odisha, West Bengal & Sikkim, Bihar and Jharkhand.

## Maximum temperature

- **Maximum temperature departures as on 15.03.2018:** Maximum temperatures were **appreciably above normal** (3.1°C to 5.0°C) at most places over West Uttar Pradesh; at a few places over Punjab and Haryana, Chandigarh & Delhi; at isolated places over northwest Rajasthan; **above normal** (1.6°C to 3.0°C) at most places over north Madhya Pradesh; at many places over East Rajasthan; at a few places over Jammu & Kashmir, East Uttar Pradesh, Saurashtra & Kutch, Gangetic West Bengal, Odisha and Assam & Meghalaya.
- **The highest maximum temperature of 39.4°C** recorded at **Anantapur (Rayalaseema)** over the country.

## Temperature Forecast:

- Rise in maximum temperatures by 2-4°C likely over northwest India during next 3 days.
- No significant change in maximum temperatures likely over west and central India during next 24 hours and over east India during next 48 hours and rise by 2-3°C thereafter.
- No significant change in maximum and minimum temperatures likely over rest of the country during next 3 days.

## 5 Day Rainfall Forecast (Mid-day) 16<sup>th</sup> March 2018

Met-Sub-Division	16-Mar Today	17Mar Sat	18Mar Sun	19Mar Mon	20Mar Tue
1. Andaman & Nicobar Islands	ISOL	ISOL	DRY	ISOL	ISOL
2. Arunachal Pradesh	FWS	SCT	ISOL	ISOL	ISOL
3. Assam & Meghalaya	SCT	SCT	ISOL	DRY	DRY
4. N. M. M. & T.	SCT	SCT	ISOL	DRY	DRY
5. S.H. West Bengal & Sikkim	ISOL	ISOL	ISOL	ISOL	ISOL
6. Gangetic West Bengal	ISOL	ISOL	DRY	DRY	DRY
7. Odisha	SCT	ISOL	ISOL	DRY	DRY
8. Jharkhand	SCT	ISOL	DRY	DRY	DRY
9. Bihar	DRY	DRY	DRY	DRY	DRY
10. East Uttar Pradesh	DRY	DRY	DRY	DRY	DRY
11. West Uttar Pradesh	DRY	DRY	DRY	DRY	DRY
12. Uttarakhand	ISOL	DRY	DRY	DRY	DRY
13. Haryana, Chd & Delhi	DRY	DRY	DRY	DRY	DRY
14. Punjab	DRY	DRY	DRY	DRY	DRY
15. Himachal Pradesh	ISOL	DRY	DRY	DRY	DRY
16. Jammu & Kashmir	ISOL	DRY	DRY	ISOL	ISOL
17. West Rajasthan	DRY	DRY	DRY	DRY	DRY
18. East Rajasthan	DRY	DRY	DRY	DRY	DRY
19. West Madhya Pradesh	DRY	DRY	DRY	DRY	DRY
20. East Madhya Pradesh	ISOL	DRY	DRY	DRY	DRY
21. Gujarat Region	DRY	DRY	DRY	DRY	DRY
22. Saurashtra & Kutch	DRY	DRY	DRY	DRY	DRY
23. Konkan & Goa	ISOL	ISOL	DRY	DRY	DRY
24. Madhya Maharashtra	ISOL	ISOL	DRY	DRY	DRY
25. Marathwada	ISOL	ISOL	DRY	DRY	DRY
26. Vidharbha	ISOL	ISOL	DRY	DRY	DRY
27. Chhattisgarh	ISOL	ISOL	DRY	DRY	DRY
28. Coastal Andhra Pradesh	ISOL	SCT	ISOL	DRY	DRY
29. Telangana	ISOL	ISOL	DRY	DRY	DRY
30. Rayalaseema	SCT	SCT	ISOL	DRY	DRY
31. Tamilnadu & Puducherry	SCT	SCT	SCT	ISOL	DRY
32. Coastal Karnataka	SCT	ISOL	ISOL	DRY	DRY
33. North Interior Karnataka	SCT	ISOL	ISOL	ISOL	ISOL
34. South Interior Karnataka	FWS	FWS	ISOL	ISOL	DRY
35. Kerala	SCT	SCT	SCT	ISOL	ISOL
36. Lakshadweep	FWS	ISOL	ISOL	DRY	DRY

### % Station Reporting Rainfall

% Stations	Category	% Stations	Category
76-100	Widespread (WS/Most Places)	26-50	Scattered (SCT/ A Few Places)
51-75	Fairly Widespread (FWS/ Many Places)	1-25	Isolated (ISOL)
No Rain	Dry		

### Weather Warning

- 16 March (Day 1):** Thunderstorm accompanied with gusty winds very likely at isolated places over Odisha, Jharkhand, south Chhattisgarh, Vidarbha, Telangana, Rayalaseema, South interior Karnataka, interior Tamil Nadu and Kerala.  
 Thunderstorm accompanied with squall very likely at isolated places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 17 March (Day 2):** Thunderstorm accompanied with gusty winds very likely at isolated places over Odisha, Jharkhand, Gangetic West Bengal, Coastal Andhra Pradesh, Telangana, Rayalaseema, South interior Karnataka and Interior Tamil Nadu.  
 Thunderstorm accompanied with squall very likely at isolated places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura.
- 18-20 March (Day 3 to 5):** No weather warning.

## Thunderstorm accompanied with gusty winds

### Warning:

- Thunderstorm accompanied with gusty winds very likely at isolated places over Odisha, Jharkhand, south Chhattisgarh, Vidarbha, Telangana, Rayalaseema, South interior Karnataka, interior Tamil Nadu, Gangetic West Bengal, Coastal Andhra Pradesh and Kerala and thunderstorm accompanied with squall very likely at isolated places over Assam & Meghalaya and Nagaland, Manipur, Mizoram & Tripura during next 48 hours.

### Advisory:

- In view of expected thunderstorm accompanied with gusty winds/ squall in above regions arrange support to young fruit plants and vegetables, propping up in sugarcane to prevent the crops from lodging due to strong winds. Keep harvested produce at safe places. Avoid chemical spraying/dusting during the period.

## Agromet Advisories for *rabi* /summer crops from different AMFUs in the country

- In **South Interior Karnataka**, as rainfall is expected at many places on 16th & 17th March, avoid irrigation, application of fertilizers and plant protection methods in standing crops and in mango orchards.
- Utilizing expected rainfall, in **Arunachal Pradesh**, undertake sowing of summer vegetables. Continue sowing of summer green gram in Gangetic West Bengal, Chhattisgarh, Gujarat and Punjab.
- In Eastern Dry Zone of **Karnataka**, there is chances of incidence of powdery mildew in mango, spray Lamda Cyhalothrin 5 EC@ 0.5 ml/ litre of water or Sulphur dust (SULTAF) 80 W @3g/litre of water after current spells of rain.

### Sate-wise Advisories

#### Assam & Meghalaya, Arunachal Pradesh

- In Arunachal Pradesh, undertake harvesting of toria, mustard, cabbage, cauliflower and pineapple on a non-rainy days. Undertake sowing of summer vegetables under present weather conditions.
- In Meghalaya, continue transplanting of tomato and capsicum crops. Continue nursery raising of chilli and brinjal crops.
- In Lower Brahmaputra Valley Zone of Assam, undertake sowing of early Ahu rice (direct seeded) with dwarf varieties such as Luit, Kapilee, IR-36, Kalinga-3 etc. and tall varieties such as Baghlami, Rangadoria, Ahujaha, Kolamanik etc. Undertake sowing of kharif maize. Protect mature Rabi maize from birds by using shiny, coloured strips.
- In the Hill Zone of Assam, undertake land preparation and sowing of okra and green gram (varieties like T44, AAU 34, AAU 39, Pratap etc) and black gram (varieties like T-9, Pant U 19, JU 78 etc) black gram. Undertake sowing of Early Ahu rice (direct seeded) with dwarf varieties such as Luit, Kapilee, IR-36, Kalinga 3 etc. and tall varieties such as Baghlami, Rangadoria, Ahujaha, Kolamanik etc. Undertake transplanting of young seedlings of cucurbits, tomato and chilli.

- In Upper Brahmaputra Valley Zone, undertake land preparation for Bao rice, ginger and banana. Due to possibilities of getting light to moderate rainfall on 17th and 18th March, planting of sugarcane setts may be postponed.
- In the Barak Valley Zone, undertake sowing of Ahu rice (direct seeded) in this month as weather is favourable.
- In the North Bank Plain Zone, continue land preparation for direct-seeded Ahu rice. Collect the seeds of varieties like Banglami, Rangadoria, Ahu joha, Rasi etc. Undertake land preparation/sowing of Bau rice varieties like Maguri, Panikekua, Amona, Negheri etc. Undertake land preparation for sowing of summer green gram and black gram.

### **Nagaland, Mizoram, Manipur and Tripura**

- In Manipur, for broadcasting, seeds of pre-kharif rice should be sprouted before sowing. Undertake transplanting of rice. After 3-4 days of transplanting maintain 2-3 cm water level.
- In Mizoram, harvest matured cobs of maize and potato in clear weather.
- In Tripura, continue transplanting of seedlings of summer brinjal and tomato to the main field.
- In Nagaland, carry out land preparation for summer maize and green gram.

### **Kerala**

- In the Problem Area Zone, continue harvesting of matured nutmeg fruits. Undertake preparation for planting of new cuttings of pepper. Provide shade to vegetables seedlings.
- In the Central Zone, carry out land preparation for ginger.

### **Andhra Pradesh**

- In the North Coastal Zone, continue planting of sugarcane after setts treatment with Propiconazol @ 1.0 ml/litre for 15 minutes before planting.
- In Krishna Godavari Zone, maintain 5 cm water from panicle initiation to grain hardening stage in rice crop.
- In the Scarce Rainfall Zone, for the control of leaf folder/stem borer in rice, spray Chloropyriphos @ 2 ml/litre for control.

### **Telangana**

- In North Telangana Zone, maintain shallow depth of water (2-3 cm) during tillering stage of paddy crop. At the time of flowering stage, maintain 5 cm depth of water. Follow alternate wetting and drying (AWD) method of irrigation.
- In South Telangana Zone, prevailing dry weather conditions are favorable for incidence of aphids in maize. To control, spray Dimethioate @ 2 ml or Methyl Demeton @ 2 ml or Acephate @ 1.5 g per litre of water.

### **Tamil Nadu**

- In the North Eastern Zone, as rain is expected, postpone application of fertilizers and pesticides.
- In the High Rainfall Zone, keep harvested rice in safer place. Provide drainage facility in Marigold fields. Provide support to banana plants to prevent lodging.
- In the Western Zone, utilizing expected rainfall, prepare irrigated fallow land for sowing cumbu during first week of April.
- In the Southern Zone, spray NAA @ 20 ppm at flowering stage in nango to increase fruit retention. Spray 0.5% Urea (5 g/litre) or 1% Potassium Nitrate (10g/litre) to induce flowering, if trees do not flower by that time.

## **Karnataka**

- In South Interior Karnataka, as rainfall is expected at many places during next 48 hours, avoid irrigation, application of fertilizers and plant protection methods in standing crops and in mango orchards.
- In Eastern Dry Zone, as rainfall is expected, avoid irrigation in mango orchard.
- In North East Transition Zone, undertake cultivation of green fodder crops such as maize, bajra and jowar respectively.
- In North East Dry Zone, due to increase in day temperature incidence of leaf spot is noticed in groundnut; for control, spray Hexaconazole @ 1ml/litre or Carbendazim @1g/litre of water in clear weather.

## **Jammu & Kashmir**

- Continue sowing of cucurbit seeds in poly bags for early nursery raising inside poly houses in Cold Arid Zone. Undertake training and pruning in orchards.
- In Sub Tropical Zone, continue transplanting of cucurbits, tomato, brinjal and chilli. Undertake digging up of matured tubers of potato.
- Continue nursery bed preparation for raising of vegetables and sowing of cucurbits in polybags inside polyhouse in Valley Temperate Zone.

## **Uttarakhand**

- Complete planting of sugarcane in Bhabar and Tarai Zone. In mid and high hills, continue nursery sowing of brinjal, tomato, capsicum and chilli. Continue sowing of barnyard millet and French bean.
- In Sub Humid Sub Tropic Zone, continue transplanting of onion and tomato.
- Undertake sowing of French bean and okra in Hill Zone.

## **Himachal Pradesh**

- Continue nursery preparation of summer vegetables, raising of seedlings of cucurbits in polythene bags and sowing of okra, French bean, coriander, radish and turnip in Sub-Montane and Low Hill Sub-Tropical Zone. Continue sowing of sunflower in low and mid-hill areas. Undertake sowing of green gram and black gram.
- Continue nursery sowing of vegetables like chilli, tomato, capsicum and sowing of bhindi, gourd etc. in Mid Hills Sub Humid Zone.

## **West Bengal**

- In Coastal Saline Zone, continue sowing of green gram. Start harvesting matured mustard.
- In the New Alluvial Zone, undertake sowing of green gram and black gram. Undertake sowing of French bean, cluster bean and summer radish.
- In the Hill Zone, carry out land preparation for maize, ginger and turmeric cultivation. Harvest matured crop of mustard. Avoid irrigation to potato crop as light rainfall is expected.
- In the Old Alluvial Zone, ensure 2-3 cm standing water in the Boro rice fields. Undertake sowing of summer green gram in a land with good drainage facility.

## **Gujarat**

- In North Gujarat Zone, undertake sowing of green gram and cowpea; continue sowing of sesame, pearl millet, vegetable crops (okra, cluster bean and cowpea) and transplanting of brinjal seedlings. Undertake weeding in groundnut crop.

- In Bhal and Coastal Zone, complete sowing of green gram, cow pea and pearl millet.
- In North Saurashtra Zone, continue sowing of green gram and black gram. Undertake digging out of garlic bulbs.
- In Middle Gujarat Zone, complete land preparation and undertake sowing of summer groundnut, pearl millet, green gram and sesame.

### Maharashtra

- In Konkan, maintain 8-10 cm water level in summer rice. Continue planting of seasonal forage crops like cowpea, maize (African Tall), multicus sorghum and rice bean. If the incidence of fruit borer is observed in developing fruits of mango, spray DDVP (Dichlorovas) @ 10 ml/10 litres of water in clear weather.
- In Madhya Maharashtra, due to present weather condition crops such as guar, okra, tomato, chilli, fenugreek, cucurbitaceous crops etc. may get infested by powdery mildew and attack of aphids and jassids may also occur, for control spray wettable 80% Sulphur @ 20 g or Dinocap 48% EC @5 ml or Penconazol 10% EC @ 5 ml per 10 litres of water along with Imidachloprid 17.8 SL @3 ml or Dimethoate 30 EC @15 ml per 10 litres of water. Complete the sowing of summer *moong*.
- In Marathwada, complete harvesting of rabi crops like wheat, sorghum, turmeric, vegetables and fruits as early as possible and keep the produce in safer place.
- In Vidarbha, keep the harvested produce of wheat, vegetables (onion) and fruits in safer place. In view of gusty winds and scattered rainfall in next 24 hours, give staking of bamboo support to fruit crops like pomegranates, mango, grapes etc.