

# Advisory for DD Kisan dated 15.06.18

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

## Significant Weather Features

- Strong dust raising winds of the order of 25-35 kmph likely to continue over Rajasthan, Punjab, Haryana, Chandigarh & Delhi and West Uttar Pradesh during next 24 hours. The density of dust loading is likely to decrease from today evening, with the likely development of weather systems leading to thundershowers over parts of northwest India.
- Heavy to very heavy rainfall occurred at isolated places over Assam & Meghalaya and heavy at isolated places over Himachal Pradesh, Nagaland, Manipur, Mizoram & Tripura and Coastal Karnataka during past 24 hours ending at 0830 hours IST of today.

## Realised Rainfall

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

- Rain/thundershowers observed at most places over Uttarakhand, Arunachal Pradesh, Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Coastal Karnataka, Kerala and Lakshadweep; at many places over Andaman & Nicobar Islands; at a few places over Himachal Pradesh and Sub-Himalayan West Bengal & Sikkim; at isolated places over Jammu & Kashmir, East Uttar Pradesh, Gangetic West Bengal, Madhya Maharashtra, South Interior Karnataka and Tamil Nadu & Puducherry.

## Maximum temperature

- **Maximum temperature departures as on 14.06.2018:**
- Maximum temperatures were markedly above normal (5.1°C or more) at a few places over Jammu & Kashmir; above normal (1.6°C to 3.0°C) at many places over Gangetic West Bengal; at a few places over Himachal Pradesh, Coastal Andhra Pradesh and Konkan & Goa; at isolated places over Punjab, West Uttar Pradesh, East Madhya Pradesh, Gujarat, Coastal Karnataka and Tamilnadu & Puducherry.
- The highest maximum temperature of **43.7°C** recorded at **Fatehgarh** (West Uttar Pradesh) over plains of the country.

## Temperature Forecast:

- Day maximum temperatures are very likely to rise by 2-3°C over eastern parts of India during next 2-3 days. They are likely to continue in the range of 40-42° C over parts of northwest and adjoining central India during next 2 days.

## 5 Day Rainfall Forecast (Mid-day)

15<sup>th</sup> June 2018

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

% 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

- 15 June (Day 1):** Heavy to very heavy rain at isolated places very likely over Arunachal Pradesh, Assam & Meghalaya, Coastal & South Interior Karnataka and Kerala and heavy rain at isolated places over Sub-Himalayan West Bengal & Sikkim, Nagaland, Manipur, Mizoram & Tripura, Uttarakhand and Tamil Nadu.  
 Thunderstorm accompanied with squall very likely at isolated places over Jammu division and Himachal Pradesh.  
 Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over Uttarakhand, Punjab, Haryana, Chandigarh & Delhi, Bihar, and Interior Tamil Nadu.  
 Duststorm/ Thunderstorm very likely at isolated places over West Uttar Pradesh.  
 Duststorm very likely at isolated places over Rajasthan.

Sea conditions are likely to be rough to very rough along and off Karnataka-Kerala coasts, Tamil Nadu Coast, Lakshadweep coast, Odisha West Bengal Coasts and Andaman & Nicobar Islands. Fishermen are advised not to venture into these areas.

- **16 June (Day 2):** Heavy to very heavy rain at isolated places very likely over Coastal Karnataka and Kerala; heavy rain at isolated places very likely over Arunachal Pradesh, Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim, Uttarakhand, Konkan & Goa and South Interior Karnataka.

Thunderstorm accompanied with squall very likely at isolated places over Jammu division, Himachal Pradesh, Punjab, Haryana, Chandigarh & Delhi and West Uttar Pradesh.

Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over Uttarakhand, East Uttar Pradesh, Bihar and Interior Tamil Nadu.

Duststorm/ Thunderstorm likely at isolated places over Rajasthan.

- **17 June (Day 3):** Heavy rain at a few places with very heavy rain at isolated places very likely over Konkan & Goa and heavy rain at isolated places over Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim, Coastal Karnataka and Kerala.

Thunderstorm accompanied with squall likely at isolated places over Himachal Pradesh, Haryana, Chandigarh & Delhi, West Uttar Pradesh and Punjab.

Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over Jammu & Kashmir and East Uttar Pradesh.

Duststorm/ Thunderstorm likely at isolated places over Rajasthan.

- **18 June (Day 4):** Heavy to very heavy rain at isolated places likely over South Konkan & Goa and Coastal Karnataka and heavy rain at isolated places over Assam & Meghalaya, Sub-Himalayan West Bengal & Sikkim, Madhya Maharashtra and Kerala.

Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over Jammu & Kashmir and Himachal Pradesh.

- **19 June (Day 5):** Heavy rain at a few places with very heavy rain at isolated places likely over Coastal Karnataka; heavy to very heavy rain at isolated places likely over south Konkan & Goa, South Interior Karnataka and Kerala and heavy rain at isolated places over Assam & Meghalaya and North Interior Karnataka and Madhya Maharashtra.

### Salient Advisories

- Continue transplanting of *Viruppu* rice in **Kerala**. Continue nursery sowing for Sali rice in **Assam**, sowing of normal sown WRC in **Meghalaya** and sowing of soybean, groundnut, black gram and rice bean in **Manipur** after the current spells of heavy rain. Continue nursery bed preparation for *kharif* rice in **Konkan** after current spells of heavy rain. In **Coastal Karnataka**, continue nursery raising of rice after current spells of heavy rain and undertake main field preparation for transplanting of rice. Continue sowing of cow pea, groundnut, green gram and black gram in **South Interior Karnataka**. In **North Interior Karnataka**, undertake sowing of soybean, green gram, black gram (DU-1, DBGV-5), red gram (TS-3R), groundnut (G 2-52, GPBD-4, GPBD -5 (rainfed), HD-86, TAG-24 (irrigated) and maize (Arjun, GH-0727) crops where sufficient rainfall is received. In **Andhra Pradesh**, continue land preparation for rainfed crops viz., pulses, ragi, groundnut and green manure crops. Keep the seed ready for sowing and take up sowings of rainfed crops after receipt of sufficient rain. In **Telangana**, continue land

preparation for sowing of *kharif* crops and undertake sowing of rainfed crops like soybean, jowar, maize, redgram, greengram, cotton etc., after receiving cumulative rainfall of 50-60 mm in light soils and 60-75 mm in heavy soils or the soil should be wet up to 15-20 cm depth. In Madhya Maharashtra, complete preparatory tillage operations and undertake sowing of *kharif* crops like cotton, tur and soybean after receipt of sufficient rain. In **Marathwada**, complete preparatory tillage and undertake sowing of *kharif* soybean, sorghum bajra and planting of adsali sugarcane after receipt of sufficient rain.

- As further advance of southwest monsoon is not likely during next one week due to the likely prevalence of weak monsoon pattern, undertake preparatory tillage and keep inputs ready for sowing of *kharif* crops in Madya Pradesh and Chhattisgarh. Undertake land preparation for sowing of direct seeded upland rice, maize, groundnut, pigeon pea, urad and moong in Jharkhand.

### **Thunderstorm accompanied with Squally winds/ Gusty winds/Duststorm**

- Thunderstorm accompanied with gusty winds and lightning very likely at isolated places over Uttarakhand, Bihar, and Interior Tamil Nadu during next 48 hours, over Punjab, Haryana, Chandigarh & Delhi during next 24 hour, over East Uttar Pradesh on 16<sup>th</sup> and 17<sup>th</sup>, over Jammu & Kashmir on 17<sup>th</sup> and 18<sup>th</sup> and over Himachal Pradesh on 18<sup>th</sup> June.
- Thunderstorm accompanied with squall very likely at isolated places over Himachal Pradesh during next 3 days, over Jammu division during next 48 hours, over Punjab Haryana, Chandigarh & Delhi, and West Uttar Pradesh on 16<sup>th</sup> and 17<sup>th</sup> June.
- Duststorm/ Thunderstorm very likely at isolated places over West Uttar Pradesh and Rajasthan during next 24 hours and likely at isolated places over Rajasthan on 16<sup>th</sup> & 17<sup>th</sup> June.

#### **Advisory:**

- In view of expected thunderstorm accompanied with squall / gusty winds with lightning in above regions, provide support to young fruit plants and vegetables and propping up in sugarcane to prevent the crops from lodging due to strong winds. Keep harvested produce at safe places.
- Farmers are advised not to work in the field and keep cattle in shed during thunderstorm and lightning period.

### **Warning and Advisory for fishermen**

- Sea conditions are likely to be rough to very rough along and off Karnataka-Kerala coasts, Tamil Nadu Coast, Lakshadweep coast, Odisha West Bengal Coasts and Andaman & Nicobar Islands during next 24 hours, fishermen are advised not to venture into these areas.

### **Heavy Rainfall warning and Advisory**

#### **Warning:**

- Heavy to very heavy at isolated places Assam & Meghalaya during next 24 and heavy rain at isolated places thereafter.

- Heavy to very heavy rain/ heavy rain at isolated places over Arunachal Pradesh during next 24 hours.
- Heavy to very heavy at isolated places over Kerala during next 48 hours and isolated heavy on 17<sup>th</sup> & 19<sup>th</sup> June.
- Heavy to very heavy at isolated places over South Interior Karnataka during next 48 hours & on 19<sup>th</sup> and at isolated heavy on 17<sup>th</sup> June.
- Heavy to very heavy at isolated places over Coastal Karnataka during next 48 hours & on 18<sup>th</sup>, at a few places on 19<sup>th</sup> and at isolated heavy on 17<sup>th</sup> June.
- Heavy rain at isolated places over Nagaland, Manipur, Mizoram & Tripura, Tamil Nadu & Puducherry during next 24 hours, over Uttarakhand during next 48 hours and over Sub-Himalayan West Bengal & Sikkim during next 4 days, over South Madhya Maharashtra on 18<sup>th</sup> & 19<sup>th</sup> June and over North Interior Karnataka on 19<sup>th</sup> June.

### **Advisory:**

- In view of realized rainfall and expected isolated heavy /very heavy rain over Assam & Meghalaya, Nagaland, Manipur, Mizoram & Tripura, South Konkan & Goa, Coastal Karnataka, South Interior Karnataka and Kerala avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops. Drain out excess water from rice nursery /vegetable fields in Assam & Meghalaya and Coastal Karnataka and avoid sowing of rice in nursery.

## **Agromet Advisories for *Kharif* crops from different AMFUs in the country**

### **Sate-wise Advisories**

#### **Kerala**

- Continue transplanting of *Viruppu* rice and planting of vegetables. Continue planting of coconut saplings, ginger and turmeric. Undertake planting of seedlings of cucurbits like bitter gourd, snakegourd at 4-5 leaf stage. Undertake main field planting of cardamom.

#### **Andhra Pradesh**

- Rainfed sugarcane can be planted by utilizing the realized rainfall. Take up land preparation for rainfed crops viz., pulses, ragi, groundnut and green manure crops. Keep the seed ready for sowing and take up sowings of rainfed crops after receipt of sufficient rain. Seed treatment should be followed with Mancozeb @ 3 g/ kg seed. Choose high yielding varieties like K 6, K 9, Dharani, Kadiri, Chitravani and Amaravathi for groundnut and LRG 41, PRG 176 and LRG 52 varieties for redgram. Take up timely sowings of early maturing cotton varieties so that the cotton bolls mature before the heavy population of pink bollworm builds up.

## Telangana

- Undertake sowing of rainfed crops like Soybean, Jowar, Maize, Redgram, Greengram, Cotton, etc. only after receiving cumulative rainfall of 50-60 mm in light soils and 60-75 mm in heavy soils or if the soil is wet up to 15-20 cm depth. Take-up sowing of Sunhemp and Dhaincha as in-situ green manure crop preceding rice.

## Tamil Nadu

- Undertake sowing rice in nursery for kuruvai season ( varieties, viz., ADT 36, ADT 43, ADT 45 and ADT 47 suitable for kuruvai season). By utilizing received rainfall in command areas where rice is grown during August, green manure crops like daincha or sunnhemp may be grown and insitu ploughed @ 45 days after sowing.

## Karnataka

- In Coastal Karnataka, drain out excess water from crop fields. Continue nursery raising of rice after spells of heavy rain; undertake main field preparation for transplanting of rice.
- In South Interior Karnataka, as heavy rainfall is expected, avoid harvesting of rice and ragi. In areas where sufficient rainfall is received, under double cropping, continue sowing of cowpea (TVX-944, KBC-1, TVC-152), green gram (PS-16, PDM-84,178, KKM-3), black gram (Karagao-3, T-9, Rashmi (LBG-625), horse gram, field bean (HA 1, 2, 3 & 4), ragi (Indaf -9, ML-365), sesamum (Navile-1, T-7), groundnut (TMV-2, JL-24, KCG-6), onion (ArkaKalyan, Bhima Super, Bellary Red & Satara Local), maize (Hema Shree, Nitya Shree) and under mono cropping sowing of long duration crops like red gram (TTB-7, BRG-1,2,4,5,7), castor (DCS-9 (Jyothi), DCH-177 & 32), cotton (Bt cotton-Bollgard-I&II).
- In North Interior Karnataka, in areas where soil moisture condition is favorable for sowing, undertake sowing of soybean (JS-335, Dsb-21, JS-93-05), green gram (BGS-9, DGGV-2, S-4, PusaBaisaki), black gram (DU-1, DBGV-5), red gram (TS-3R), groundnut (G 2-52, GPBD-4, GPBD -5 (rainfed), HD-86, TAG-24 (irrigated), cotton and maize (Arjun, GH-0727) crops.

## Arunachal Pradesh

- Provide proper drainage facility in the fields of Jhum rice, vegetables, ginger and turmeric crops. Continue sowing of larger cardamom in primary nursery bed at 2 cm depth & 10 cm. Continue harvesting mature cobs of maize.

## Assam

- Carry out field preparation for early cauliflower. Continue land preparation /nursery sowing of well germinated seeds of high yielding Sali rice varieties such as Ranjit, Bahadur, Kushal, Maniram, Mahsuri, Keteki, Joha, etc. in typical lowland areas and medium duration varieties like Satya and Basundhara in medium lowland areas. Continue land preparation/sowing of groundnut varieties like TG-1A, JL-24, etc. Continue sowing of maize. Undertake sowing/planting of crops after current spells of heavy rain.

## Meghalaya

- Prepare raised nursery bed for lowland Sali/kharif rice HYVs like Shahsarang -1, Lampnah, IR 64, Ranjit, RCPL 1-412, RCPL 1-410, RCPL 1- 411 & local varieties like Mendri, Manipuri, etc. Carry out field preparation for upland kharif rice. Provide support of bamboo structure for climbers of bottle/ash gourd.and carry out weeding & earthing up operations. Continue sowing of okra seeds on raised bed at spacing 45x30cm. Undertake sowing/planting of crops after current spells of heavy rain.

## **Manipur**

- Continue land preparation and sowing of soybean, groundnut, black gram and rice bean after current spells of heavy rain. Maintain optimum water depth of 5-8cm in the pre-kharif rice field. Continue land preparation/seed collection for nursery raising of kharif rice varieties RC Maniphou-7, RC Maniphou- 10 and RC Maniphou- 13. Provide staking to cucurbitous crops and undertake timely harvesting. Harvest mature fruits of tomato in clear weather.

## **Mizoram**

- Carry out land preparation for sowing kharif pulses like green gram, black gram and rajma. Carry out earthing up in Jhum rice, chilli, cowpea, okra and maize fields on a non rainy day.

## **Tripura**

- Continue sowing of groundnut (varieties are TAG 24, TG 37A, ICGS 76 etc.) and maize (varieties DMH- 849, 117, HQPM 1, BQPM 9, etc.). Maintain 2-3 cm of water level in Aus rice field.

## **Nagaland**

- Undertake nursery preparation for sowing of low-land paddy. Undertake weeding/earthing up in maize and green gram crops after current spells of rain. Maintain proper drainage in ginger field.

## **Odisha**

- Complete land preparation for sowing of non-paddy crops like pulses, oilseeds and kharif vegetables in up land so that sowing can be made immediately after the revival of monsoon.
- Complete dry seeding of paddy in medium land. Before sowing treat the seeds with 3 g Thiram or 1.5 g Topsin-M/kg seeds. Use 20 kg seeds per acre for line sowing and 25 kg for broadcasting. Apply all the recommended dose of fertilizer as basal in upland, while 50% N and all P& K as basal in medium and low land. Wait for nursery sowing of paddy in dry bed to 4th week of this month as the monsoon will be expected to be active in last week of June.

## **West Bengal**

- In the Sub-Himalayan West Bengal, provide proper drainage facility in soybean, round chilli, ginger and turmeric fields. Undertake land preparation for new plantation of large cardamom and shade trees.
- In Gangetic West Bengal, continue land preparation and seed sowing of Aman paddy varieties like Lalswana (long duration) and MTU 1010, PD 12, Pratiksha, Bidhan 1 etc (short duration) with the help of pre monsoon rainfall. Continue sowing of Sweta, Churni, Jagriti, Probhat varieties of arhar during next week after seed treatment with Mancozeb, Thairam or Captan.

## **Maharashtra**

- As rain/thundershowers would occur at most/many places over Konkan & Goa during the period, along with heavy rain at isolated places very likely over Konkan & Goa on 16th and over Madhya Maharashtra on 18<sup>th</sup> and 19<sup>th</sup>, heavy rain at a few places with very heavy rain at isolated places very likely over Konkan & Goa on 17<sup>th</sup>, heavy to very heavy rain at isolated places likely over south Konkan & Goa on 18<sup>th</sup> and 19<sup>th</sup>, avoid irrigation, intercultural operation and application of plant protection measures and fertilizers to the standing crops. Provide adequate drainage in standing crop fields to avoid water stagnation.
- In South Konkan, undertake ploughing and puddling for transplanting. Continue land preparation for sowing of groundnut (varieties: Konkan Gaurav, Trombay Konkan (Tapura), TAG-26, TAG-24 and TPG-41). Plough the field deeply and after last leveling add FYM or Compost @ 10 tonnes of per ha in the soil. Use seed @ 100 to 125 kg per ha for sowing.

- In Madhya Maharashtra, complete preparatory tillage operations and undertake sowing of *kharif* crops like cotton, tur and soybean after receipt of sufficient rain. Complete nursery sowing of rice on raised bed for *kharif* rice and finger Millet.
- In Marathwada, complete preparatory tillage and undertake sowing of *kharif* soybean, sorghum bajra, turmeric and adsali sugarcane after receipt of sufficient rain. Continue sowing of *kharif* vegetables like brinjal, chilli and tomato in raised nursery beds.
- In Vidarbha, prepare rice seed beds at 1.2 x 4.0 m size for rice nursery on uplands field. Undertake seed treatment with 3% brine solution. Undertake field preparation for sowing of pigeon pea (varieties-AKT-8811, PKV-TARA, BSMR-853, BSMR-736 and ICPL-87119 (Aasha), before sowing seeds should be treated with crop specific Rhizobium culture and Phosphate Solubilizing Bacteria.

### Chhattisgarh

- Undertake land preparation for sowing of *kharif* crops. Continue nursery preparation for rice. Continue nursery preparation for vegetables. Undertake line sowing of rice. Undertake digging of pit for planting of fruit crops like papaya, guava, mango, litchi and pomegranate.
- In Bastar Plateau Zone, undertake planting of tuber crops and nursery preparation for papaya and custard apple.