



National Agromet Advisory Service Bulletin

Friday 30th August 2019

(For the period 30th August to 3rd September 2019)



Issued by

India Meteorological Department

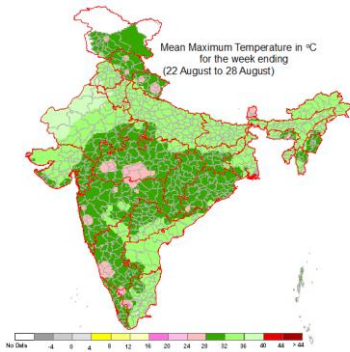
Weblink For

District AAS Bulletin: <http://www.imdagrimet.gov.in/node/3545>

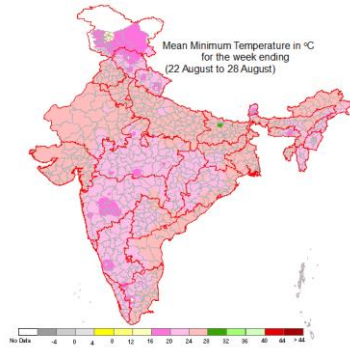
State Composite AAS Bulletin: <http://www.imdagrimet.gov.in/node/3544>

Spatial distribution of weather parameters for the week ending on 28.08.2019

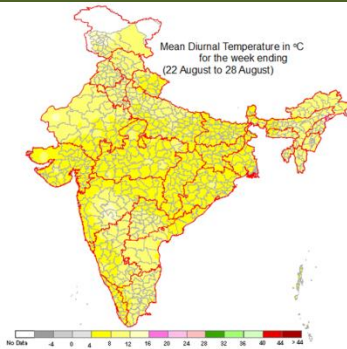
Mean Maximum Temperature (°C) for the week ending on 28.08.2019



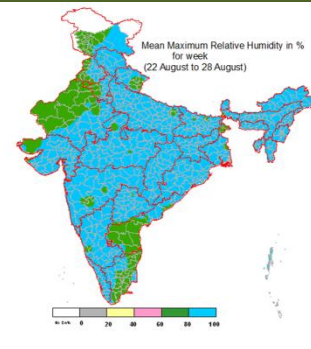
Mean Minimum Temperature (°C) for the week ending on 28.08.2019



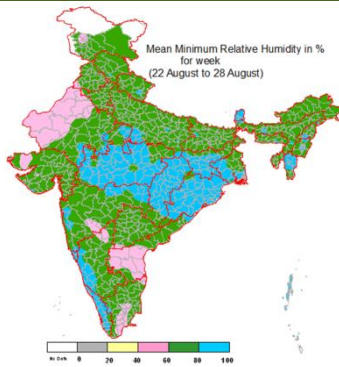
Mean Diurnal Temperature Variation (°C) for the week ending on 28.08.2019



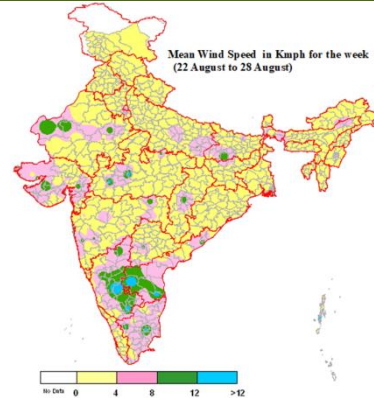
Mean Maximum Relative Humidity (%) for the week ending on 28.08.2019



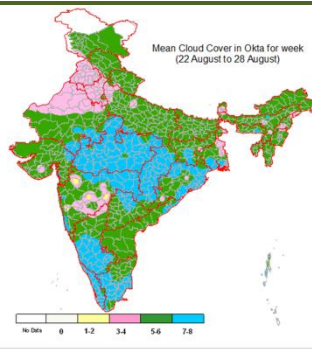
Mean Minimum Relative Humidity (%) for the week ending on 28.08.2019



Mean Wind Speed (km/hr) for the week ending on 28.08.2019

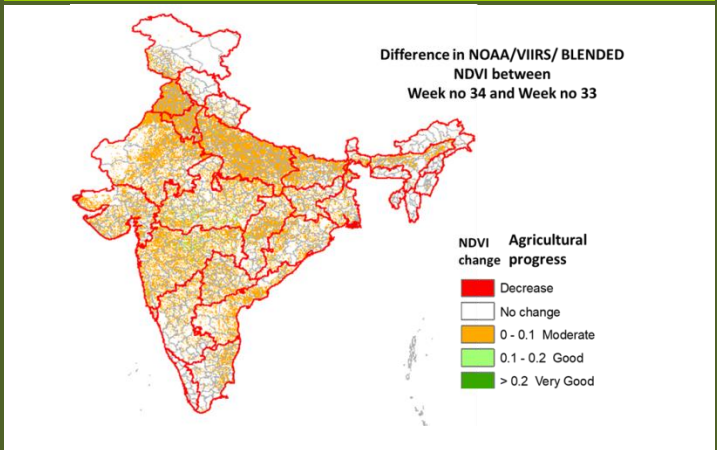
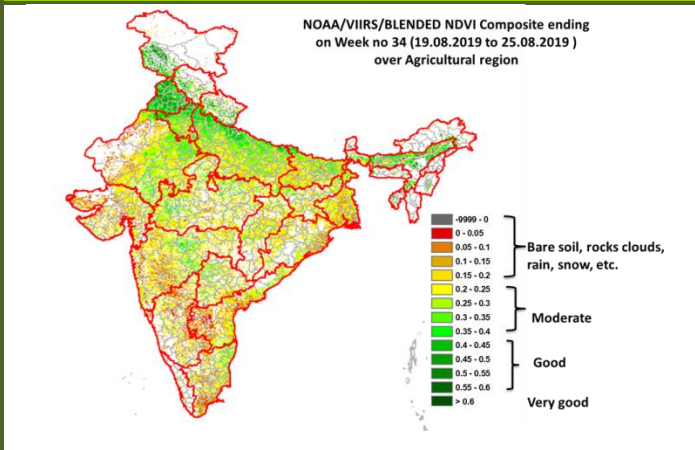


Mean Cloud Cover (okta) for the week ending on 28.08.2019



NOAA/VIIRS/BLENDED NDVI composite for the week number 34 (19.08.2019 to 25.08.2019) over Agricultural regions of India

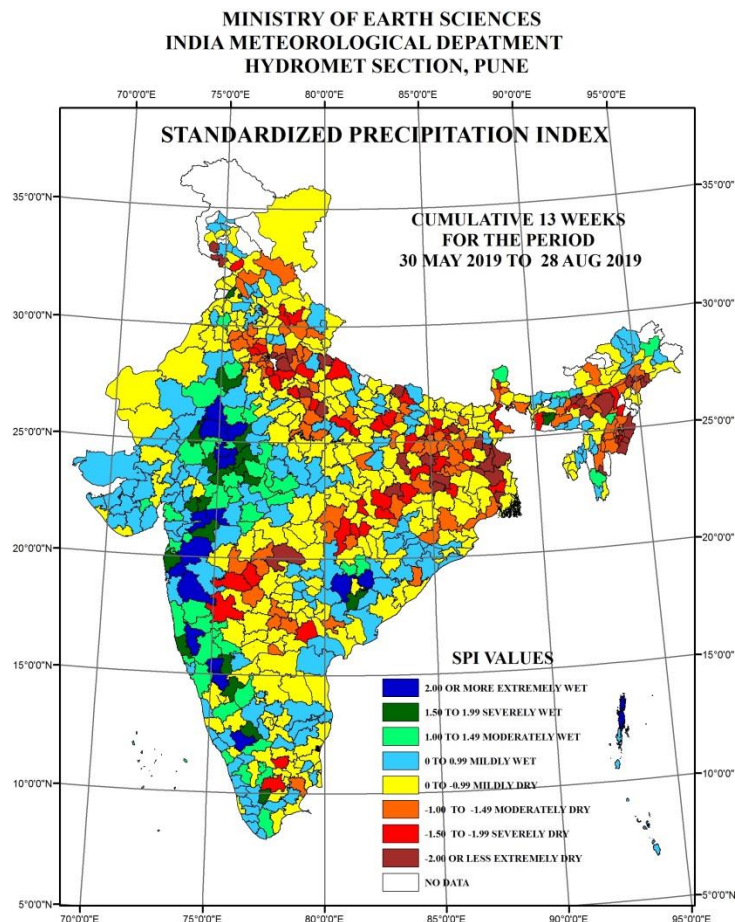
Difference in NOAA/VIIRS/BLENDED NDVI between week number 34 and week number 33



Agriculture vigour was good at many places over Jammu & Kashmir & Punjab; at a few places over North eastern States, Himachal Pradesh, Haryana & Uttarakhand and in isolated places over and Uttar Pradesh, Central Vidarbha and adjoining Marathwada. NDVI could not be captured over rest of the country due to persistant cloud cover.

Good Agricultural vigour has been observed over isolated places of Vidarbha & adjoining Marathwada, West Madhya Pradesh, Konkan, Madhya Maharashtra, Gujarat, East Rajasthan, Jammu & Kashmir, Himachal Pradesh and Uttarakhand.

**Standardised Precipitation Index
Cumulative 13 weeks for the period 30th May to 28th Aug 2019**



- Extremely/Severely wet conditions exist in Chhota Udepur district of Gujarat; Dharwad, Gadag, Haveri, Davangere, Mandya, Mysore districts of Karnataka; Barwani, Mandsaur, Neemuch, Ratlam, Shajapur, Alirajpur, Agar districts of West Madhya Pradesh; Thane, Sindhudurg, Palghar, Dhule, Kolhapur, Nashik, Pune, Nandurbar districts of Maharashtra; East Garo Hills districts of Meghalaya; Kapurthala districts of Punjab; Ajmer, Bhilwara, Bundi, Jhalawar, Kota, Sikar, Rajsamand, Pratapgarh districts of Rajasthan; Theni districts of Tamilnadu; North & Middle Andaman districts of Andaman & Nicobar Islands; Bastar, Bijapur, Sukma districts of Chhattisgarh.
- Moderately wet conditions exist in Lower Dibang Valley district of Arunachal Pradesh; Baksa districts of Assam; Broach, Valsad, Dangs, Botad districts of Gujarat; Uttar Kannada, Bagalkote, Belgam, Chamarajanagar, Chikmagalur, Chitradurga districts of Karnataka; Kozhikode, Palakkad districts of Kerala Bhopal, Dhar, Guna, Hoshangabad, Indore, Jhabua, Khandwa, Raisen, Rajgarh, Sehore, Ujjain, Burhanpur districts of West Madhya Pradesh; Raigad, Ratnagiri, Sangli, Satara districts of Maharashtra; Lunglei districts of Mizoram Paren districts of Nagaland; Bhatinda district of Punjab; Nagaur, Chittorgarh, Jhunjhunu, Sawai Madhopur, Tonk, Udaipur districts of Rajasthan; Tirunelveli, Tirupur districts of Tamilnadu; Dadara & Nagar Haveli district of Union Territory; Lakshadweep district of Andaman & Nicobar Islands; North Sikkim districts of Sikkim; Narayanpur, Kondagaon districts of Chhatisgarh; North Goa districts of Goa.
- Moderately/ mildly dry conditions experienced in remaining districts in the country.

Weather Forecast for next 5 days valid upto 0830 hours of 04th September 2019

- ◆ Meteorological sub-division wise detailed 5 days precipitation forecast is given in Table-1.
- ◆ No significant change in maximum temperatures likely over major parts of the country during next 3-4 days.

5 Day Rainfall Forecast (MID-DAY) 30th August 2019

Met-Sub-Division	30-Aug Today	31Aug Sat	01Sep Sun	02Sep Mon	03Sep Tue
1. Andaman & Nicobar Islands	WS	WS	WS	WS	FWS
2. Arunachal Pradesh	SCT	ISOL	SCT	FWS	FWS
3. Assam & Meghalaya	SCT	ISOL	SCT	FWS	FWS
4. N. M. M. & T.	SCT	SCT	FWS	FWS	FWS
5. S.H. West Bengal & Sikkim	FWS	SCT	SCT	SCT	FWS
6. Gangetic West Bengal	SCT	SCT	SCT	SCT	FWS
7. Odisha	FWS	FWS	WS	WS	WS
8. Jharkhand	SCT	SCT	SCT	FWS	FWS
9. Bihar	ISOL	ISOL	ISOL	SCT	SCT
10. East Uttar Pradesh	ISOL	SCT	SCT	SCT	FWS
11. West Uttar Pradesh	SCT	FWS	FWS	FWS	FWS
12. Uttarakhand	FWS	WS	WS	WS	WS
13. Haryana, Chd & Delhi	ISOL	SCT	FWS	FWS	SCT
14. Punjab	ISOL	SCT	FWS	FWS	SCT
15. Himachal Pradesh	FWS	FWS	FWS	FWS	FWS
16. Jammu & Kashmir	SCT	SCT	SCT	SCT	SCT
17. West Rajsthan	ISOL	SCT	SCT	SCT	ISOL
18. East Rajsthan	FWS	FWS	WS	WS	FWS
19. West Madhya Pradesh	FWS	WS	WS	WS	WS
20. East Madhya Pradesh	WS	WS	WS	WS	WS
21. Gujarat Region	SCT	SCT	SCT	SCT	SCT
22. Saurashtra & Kutch	ISOL	ISOL	SCT	ISOL	ISOL
23. Konkan & Goa	WS	WS	WS	WS	WS
24. Madhya Maharashtra	SCT	SCT	SCT	FWS	FWS
25. Marathawada	SCT	SCT	SCT	FWS	FWS
26. Vidharbha	FWS	FWS	FWS	WS	WS
27. Chhattisgarh	FWS	FWS	FWS	WS	WS
28. Coastal A. P. & Yanam	SCT	FWS	WS	WS	FWS
29. Telangana	FWS	FWS	WS	WS	WS
30. Rayalaseema	SCT	SCT	SCT	SCT	ISOL
31. T.N., Puducherry & Karaikal	ISOL	ISOL	ISOL	ISOL	ISOL
32. Coastal Karnataka	WS	WS	WS	WS	WS
33. North Interior Karnataka	SCT	SCT	SCT	SCT	SCT
34. South Interior Karnataka	FWS	FWS	FWS	FWS	FWS
35. Kerala & Mahe	WS	WS	WS	FWS	FWS
36. Lakshadweep	FWS	FWS	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 during next 5 days

30 August (Day 1): ♦ **Heavy to very heavy rainfall** likely at isolated places over Andaman & Nicobar Islands; **Heavy Rainfall** at isolated places over Jammu & Kashmir, Himachal Pradesh, Uttarakhand, East Rajasthan, Madhya Pradesh, Chhattisgarh, Odisha, Madhya Maharashtra, Konkan & Goa, Coastal Karnataka and Kerala & Mahe.

- ♦ **Thunderstorm accompanied** with Squall very likely at isolated places over Andaman & Nicobar Islands and with **lightning** over Bihar, Jharkhand, Gangetic West Bengal, Odisha, Arunachal Pradesh and Nagaland, Manipur, Mizoram & Tripura.
- ♦ **Strong winds**, speed reaching 45-55 kmph, are very likely to prevail over westcentral & southwest Arabian Sea, central & adjoining south Bay of Bengal and north Arabian Sea. Fishermen are advised not to venture into these areas.

31 August (Day 2): ♦ **Heavy to very heavy rainfall** likely at isolated places over Andaman & Nicobar Islands; **Heavy Rainfall** at isolated places over Himachal Pradesh, Uttarakhand, West Uttar Pradesh, East Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, Odisha, Konkan & Goa, Telangana, Coastal Karnataka and Kerala & Mahe.

- ♦ **Thunderstorm accompanied** with Squall very likely at isolated places over Andaman & Nicobar Islands and with **lightning** over Jharkhand and Odisha.
- ♦ **Strong winds**, speed reaching 45-55 kmph, are very likely to prevail over westcentral & southwest Arabian Sea, central & adjoining south Bay of Bengal and north Arabian Sea. Fishermen are advised not to venture into these areas.

01 September (Day 3): ♦ **Heavy to very heavy rainfall** likely at isolated places over Odisha and **Heavy Rainfall** at isolated places over Uttarakhand, West Uttar Pradesh, East Rajasthan, West Madhya Pradesh, Chhattisgarh, Andaman & Nicobar Islands, Nagaland, Manipur, Mizoram & Tripura, Konkan & Goa, Coastal Andhra Pradesh & Yanam, Telangana, Coastal Karnataka and Kerala & Mahe.

- ♦ **Strong winds**, speed reaching 45-55 kmph, are very likely to prevail over westcentral & southwest Arabian Sea, central & adjoining south Bay of Bengal and north Arabian Sea. Fishermen are advised not to venture into these areas.

02 September (Day 4): ♦ **Heavy to very heavy rainfall** likely at isolated places over Odisha and Konkan & Goa and **Heavy Rainfall** at isolated places over Uttarakhand, West Uttar Pradesh, East Rajasthan, Madhya Pradesh, Vidarbha, Chhattisgarh, Gangetic West Bengal, Bihar, Assam & Meghalaya, Madhya Maharashtra, Coastal Andhra Pradesh & Yanam, Telangana and Coastal Karnataka.

- ♦ **Strong winds**, speed reaching 45-55 kmph, are very likely to prevail over westcentral & southwest Arabian Sea and central & adjoining south Bay of Bengal. Fishermen are advised not to venture into these areas.

03 September (Day 5): ♦ **Heavy to very heavy rainfall** likely at isolated places over Chhattisgarh, Odisha and Konkan & Goa and **Heavy Rainfall** at isolated places over Uttarakhand, Uttar Pradesh, East Rajasthan, Madhya Pradesh, Vidarbha, Bihar, Jharkhand, Gangetic West Bengal, Assam & Meghalaya, Madhya Maharashtra, Telangana and Coastal Karnataka.

- ♦ **Strong winds**, speed reaching 45-55 kmph, are very likely to prevail over westcentral & southwest Arabian Sea and central & adjoining south Bay of Bengal. Fishermen are advised not to venture into these areas.

Weather Outlook for subsequent 2 days from 04th September to 06th September 2019

- ♦ Fairly widespread to widespread rainfall with isolated heavy falls likely over East, northeast India, central & adjoining northwest India and along West Coast.
- ♦ Isolated to Scattered rainfall likely over rest parts of the country.

Salient advisories

- **Thunderstorm accompanied with squall** very likely at isolated places over Andaman & Nicobar Islands, thunderstorm accompanied with squall and lightning very likely at isolated places over Jharkhand and Odisha on 30th & 31st August, provide mechanical support to young fruit plants and vegetables to prevent the crops from lodging due to strong winds.
- As rain/thundershowers likely at **most places** over Coastal Karnataka, Kerala and West Madhya Pradesh during the period, at **most / many** places over Kerala, Telangana, South Interior Karnataka, Andaman & Nicobar Islands, Odisha, East Madhya Pradesh and Chhattisgarh during the period, over Coastal Andhra Pradesh from 31st August to 3rd September, over Jharkhand on 2nd & 3rd and West Bengal and Sikkim on 3rd September along with **Heavy to very heavy rainfall** very likely at isolated places over Andaman & Nicobar Islands on 30th & 31st August, over Odisha from 1st to 3rd September, **heavy rainfall** at isolated places over Telangana and Coastal Karnataka during the period, over Kerala from 30th August to 1st September, over Coastal Andhra Pradesh on 1st & 2nd September, **heavy/ Heavy to very heavy rainfall** at isolated places over Chhattisgarh during the period, **heavy rainfall** likely at isolated places over Madhya Pradesh on 2nd & 3rd September; avoid intercultural operation and application of plant protection measures and fertilizers to the standing crops. Provide mechanical support to young fruit plants and staking in vegetables to prevent the crops from lodging due to heavy rain. Provide adequate drainage in standing crop fields in Andaman & Nicobar Islands Odisha and Chhattisgarh.
- In **Odisha**, drain out excess water from paddy nursery and from transplanted main fields. In case the transplanted seedlings got washed away, go for re-transplanting with short duration cultivars. If the crops got totally damaged, clean the field and go for sowing of pre-Rabi crops like green gram, black gram, horse gram, niger, etc. and vegetables like cabbage, cauliflower, radish, cow pea, etc.
- In **Punjab**, remove excess rain water to avoid any damage in maize and pulses fields. Drain out the excess rain water from cotton crop in **Haryana**.
- In Central Zone of **Kerala**, weather is congenial for incidence of bacterial leaf blight in *virippu* rice, mix 20 g of cow dung in one litre of water and spray the cow dung slurry by mixing with 20g of pseudomonas in one litre of water after current spells of rain.
- In Krishna Godavari Zone of **Andhra Pradesh**, weather is congenial for incidence of yellow mosaic on pulses. Remove the affected plants and spray Monocrotophos@ 1.6 ml or Tryazophos @ 1.5 ml per liter of water after current spells of rain.

Detailed Agromet Advisories

SOUTH INDIA [TAMIL NADU, TELANGANA, ANDHRA PRADESH, KARNATAKA, KERALA]

Realised Rainfall: Significant rainfall occurred in all the districts except East Godavari, Nellore, Prakasam, Visakhapatnam, Anantapur, Chittoor districts of Andhra Pradesh; in Hyderabad, Jangaon, Jogulamba Gadwal, Kamareddy, Karimnagar, M. Malkajgiri, Medak, Nagarkurnool, Nalgonda, Ranjanna

Sircilla, Rangareddy, Sangareddy, Siddipet, Warangal_Urban and Y. Bhuvangiri districts of Telangana; in all the districts of Kerala, Ariyalur, Coimbatore, Cuddalore, Karaikal, Nagapattinam, Nilgiris, Puducherry, Thanjavur, Tiruvarur, Villupuram of Tamilnadu, in all districts of Coastal Karnataka, in Yadgir district of North Interior Karnataka, in Chikkamagaluru, Kodagu, Ramanagara, Shivamogga districts of South Interior Karnataka during the week.

Advisories:

- As rain/thundershowers likely at most places over **Coastal Karnataka** and **Kerala** during the period, at most / many places over Kerala, Telangana and South Interior Karnataka during the period, over Coastal Andhra Pradesh from 31st August to 3rd September along with heavy rainfall at isolated places over Telangana and Coastal Karnataka during the period, over Kerala from 30th August to 1st September, over Coastal Andhra Pradesh on 1st & 2nd September, avoid intercultural operation and application of plant protection measures and fertilizers to the standing crops. Provide mechanical support to banana, young fruit plants and staking in vegetables to prevent the crops from lodging due to heavy rain. Provide adequate drainage in standing crop fields.

Kerala

- In High Altitude Zone, weather is congenial for soft rot in ginger, drench the soil with 1% Bordeaux mixture/0.3% Mancozeb and apply green leaf mulching to prevent soil erosion and to increase the organic matter content in the soil.
- In Southern Zone, weather is congenial for attack of rhizome weevil in banana, apply neem cake 1 kg/plant at the time of planting.
- In Central Zone, weather is congenial for incidence of bacterial leaf blight in *virrupu* paddy, mix 20 g of cow dung in one litre of water and spray the cow dung slurry by mixing with 20g of pseudomonas in one litre of water after current spells of rain.
- In Northern Zone, weather is congenial for for attack of shoot borer in mango, spray combination of Rogor (Dimethoate) @ 3 ml per litre and Mancozeb @ 2 g per litre after current spells of rain.

Andhra Pradesh

- In Andhra Pradesh there is possibility for increase of intensity of fall army worm in maize. Install 10 pheromone traps per acre to monitor Fall army worm. For each catch if population exceeds 10 no. spray neem oil 5 ml./L of water followed by spraying of thiodicarb 2g/L after 15 days if the larval population is still above ETL.
- In North Coastal Andhra Pradesh, continue transplanting of rice. Spray Bispyribac sodium @ 100 ml / 200 lit. per acre to control weeds in 15 -20 days aged crop.
- In Scarce rainfall Zone of Rayalaseema, farmers of Chilamathur, Hindupur and Lepakshi mandals of Anantpur and Kurnool district are advised to sow contingency crops like bajra, korra, jowar, cowpea and horsegram by utilizing the realized rainfall.
- In Krishna Godavari Zone of Andhra Pradesh, weather is congenial for incidence of yellow mosaic on pulses. Remove the effected plants, and to control spray monocrotophos@ 1.6 ml or tryazophos @ 1.5 ml per liter of water after current spells of rain.
- In Southern Zone of Andhra Pradesh, the present weather conditions are favourable for stem rot in groundnut. To control spray hexaconazole @ 2 ml./L of water after current spells of rain.

Telangana

- In Southern Telangana zone, prevailing weather is congenial for incidence of Spodoptera in soybean. To control, spray Chlorpyriphos @ 2.5 ml or Novaluron @ 1 ml or Emamectin benzoate @ 0.4 g per liter of water after current spells of rain.
- In Northern Telangana, continue sowing of sesame & cowpea. Incidence of hispa is noticed in paddy crop. To control, spray profeno phos @ 2ml or chloripyriphos @2.5 ml per lit of water after current spells of rain.

Tamil Nadu

- In Puducherry, undertake land preparation for nursery sowing of Samba rice with long duration varieties like CR 1009, ADT 50 and KKLR 1.
- In High Rainfall Zone, avoid moisture loss by the application of mulching in clove and cinnamon field through farm waste materials.
- In Cauvery Delta Zone, undertake land preparation for sowing of rainfed cotton, maize and *Samba* rice using the expected rainfall.
- In Western Zone, undertake sowing of winter irrigated cotton. Also samba season nursery as raised bed

may be prepared as for sowing medium duration rice.

Karnataka

- In North Interior Karnataka, continue harvesting of green gram crop.
- In South Interior Karnataka, continue planting of mango, Jack fruit, Jamun on bunds and planting of lime, pineapple, banana and cardamom. Carry out hand weeding in rice crop.
- In Coastal Karnataka, drain out excess rain water from the standing crop fields. Maintain 3-5 cm water level in rice fields. To control broad leafy weeds in rice, spray 2,4-D Sodium salt (4 gm /litre of water) before fertilizer application after current spells of rain.
- In North Interior Karnataka, if stem borer is noticed in maize crop apply Carbofuron 3% Granules @7.5 kg per hectare in leaf oral after current spells of rain.
- In South Interior Karnataka, to manage blast in ragi crop, spray Mancozeb @ 2 g/litre or Carbendizim @ 1 g/litre or Jineb @2.5 g/litre of water after current spells of rain.

Animal Husbandry

- In Karnataka, vaccinate (ET vaccine) sheep and goats against Enterotoxemia.
- In Southern Zone of Tamilnadu, Hemorrhagic Septicaemia disease may occur during the rainy season. This disease mainly affects the cow, buffalo and cross breed cows. The main symptoms are fever, dysentery, swelling of lower mandible and death. Advised to approach the nearby veterinarian and vaccinate the animal once in a year before onset of rainy season.
- In Northeastern Zone of Tamilnadu, livestock shed should be sprayed with any ectoparasiticides to avoid parasite infestation.

NORTHEAST INDIA [ARUNACHAL PRADESH, NMM&T, ASSAM, MEGHALAYA]

Realised Rainfall : Rainfall occurred in Anjaw, East Siang, Lower Dibang Valley, Papumpare and Tirap districts of Arunachal Pradesh; Barpeta, Cachar, Chirang, Dhubri, Dibrugarh, Goalpara, Golghat, Hailakandi, Kamrup(Rural), Karimganj, Kokrajhar, Lakhimpur, Nowgaon, Sibsagar and Tinsukia districts of Assam; all districts of Meghalaya except East Garo Hills; all districts of Mizoram except Champhai and Chhimtuipei; Imphal West district of Manipur; Dimapur, Mokokchung and Paren districts of Nagaland and Dhalai and North Tripura districts of Tripura.

Advisories:

Arunachal Pradesh

- In Arunachal Pradesh, maintain optimum water level in rice fields. Maintain periphery of Jhum rice field weed free and clean to prevent disease and pest harbouring in weeds. Undertake sowing of soybean and nursery bed raising for early cauliflowers.

Assam & Meghalaya

- In Upper Brahmaputra Valley Zone of Assam, continue sowing of green gram. Farmers who have not yet started cultivation of sali rice, can go for directly sowing the sprouted seeds of short duration photo-insensitive varieties in the main field.
- In Lower Brahmaputra Valley Zone, continue sowing of green gram/black gram. To control of rice stem borer and leaf folder, 6-8 releases of Trichogramma Japonicum and T. Chilonis@ 50,000/ha/week starting from 30 days after transplanting.
- In Hill Zone of Assam, continue the sowing of Arhar, green gram/ blackgram/ sesamum.
- In Central Brahmaputra Valley, continue land preparation and sowing of kharif pulses (green gram & black gram). Prevailing weather is very conducive for heavy infestation of Rice Hispa of rice at tillering stage. Spray Chloropyriphos 20EC or Monocrotophos 40EC @ 1.5ml per litre of water to control rice hispa on a non rainy day.
- In North Bank Plain Zone of Assam, there is chance of attack of leaf folder /rice hispa in seedling and tillering stage of early transplanted rice. If there is one damage leaf per hill due to attack of leaf folder or appearance of one adult hispa per hill is observed, the farmers are advised to spray Chloropyriphos 20EC or Monocrotophos 40EC @ 1.5ml per litre of water. Farmers of flood affected areas are advised for sowing of short duration cultivars like Luit, Kapilee, Kolong and Dishang in the nursery bed within the 3rd week of August. 20-25 days seedling of these cultivars can be transplanted in the main field with a spacing of 15x15 cm up to mid of September. Continue sowing of kharif Sesame and pulses (green gram

and black gram).

- In Meghalaya, maintain proper drainage in the field of ginger, turmeric and maize fields. Undertake nursery raising for cole crops (cabbage, cauliflower, broccoli). Undertake harvesting of maize.

Manipur, Mizoram, Tripura and Nagaland

- In Nagaland, in ginger fields, in ginger fields, remove the affected clumps and drench the soil with Bordeaux mixture 1% at 15 days interval against Rhizome rot disease.
- In Manipur, continue sowing of black gram, groundnut, black gram, rice bean and millet. Undertake planting of potato and onion. Maintain water level of 5-8 cm in the *kharif* rice field Spray Carbendazim @ 0.5g / lit of water to control tikka disease in groundnut on a non rainy day.
- In Mizoram, maintain optimum water level in jhum rice. To control rice blast spray Tricyclazole @ 1 gram per litre of water on a non rainy day.
- In Mizoram, continue transplanting of rice. Continue harvesting of matured cobs of maize and pods of green gram.
- In Tripura, continue harvesting of *Aus* rice. Undertake nursery bed preparation for sowing of *Aman* rice and land preparation for sowing of black & green gram and sesame. Due to cloudy and humid weather, there is chance of attack of leaf blight and stem borer in maize field. Spray Zineb, 3gm per litre of water at 20 days interval against leaf blight and spray Novacron 2ml per litre of water against stem borer to manage the attack.

Animal Husbandry

- In Upper Brahmaputra valley zone of Assam, during the monsoon season, to prevent the livestock from worm infestations, it is advised to give Piperzine or Mebendazole at recommended dose after proper consultation with veterinary doctor.
- In Lower Brahmaputra valley zone of Assam, After flood livestock are generally infected by parasite, therefore, it is important to provide anthelmintic treatment after consultation with Registered Veterinary Practitioner to the livestock to prevent parasitic infection after flood.
- In Tripura, monsoon weather could lead to gastrointestinal parasites infection in pig. It is advised to maintain good sanitary conditions of pig sheds.

Fishery

- In Arunachal Pradesh, provide additional feed for the fishes in the pond. There is possibility of muddy water influx from the surrounding areas into the fishery resulting reduction of dissolved oxygen contents. Stirring the water with a bamboo pole will help in increasing the gaseous exchange and protect the fishes from suffocation.

EAST INDIA [JHARKHAND, BIHAR, ODISHA, WEST BENGAL & SIKKIM, ANDAMAN & NICOBAR ISLANDS]

Realised Rainfall: Rainfall occurred in all districts of Andaman & Nicobar Islands; in Araria, Aurangabad, Bhabua, Bhagalpur, Bhojpur, Darbhanga, Gaya, Gopalganj, Jahanabad, Jamui, Kishanganj, Nalanda, Nawada, Patna, Saharsa, Samastipur, Sheikpura, Vaishali and West Champaran districts of Bihar; in all districts of Jharkhand except Chatra, Deogarh, Giridih, Godda, Hazaribagh, Latehar and Pakur; in all districts of Odisha; in all districts of Gangetic West Bengal except Howrah and Murshidabad and in all districts of Sub-Himalayan West Bengal and Sikkim except Malda, North Dinajpur and South Sikkim.

Advisories:

- **Thunderstorm accompanied with squall** very likely at isolated places over Andaman & Nicobar Islands, **Thunderstorm accompanied with lightning** very likely at isolated places Jharkhand and Odisha on 30th & 31st August, provide mechanical support to young fruit plants and vegetables to prevent the crops from lodging due to strong winds.
- As rain/thundershowers likely at most/ many places over Andaman & Nicobar Islands and Odisha during the period, over Jharkhand on 2nd & 3rd and West Bengal and Sikkim 3rd September along with **Heavy to very heavy rainfall** very likely at isolated places over Andaman & Nicobar Islands on 30th & 31st August, over Odisha from 1st to 3rd September; avoid intercultural operation and application of plant protection measures and fertilizers to the standing crops. Provide adequate drainage in standing crop fields in Andaman & Nicobar Islands and Odisha.

Odisha

- Drain out excess water from paddy nursery and from transplanted main fields. In case the transplanted seedlings got washed away, go for re-transplanting with short duration cultivars. If the crops got totally damaged, clean the field and go for sowing of pre-Rabi crops like green gram, black gram, horse gram,

niger, etc. and vegetables like cabbage, cauliflower, radish, cow pea, etc. Take up planting of mango and lemon.

- In case of attack of red hairy caterpillar in pulses, go for application of 10kg Chloropyrifos dust per acre. In case of fruit borer in tomato, apply 80 ml Spinosad 14.5SC in 200 litres of water/acre. Undertake plant protection measures after current spells of rain.

Bihar

- Apply light irrigation to the paddy field and carry out weeding. Take up sowing of pigeon pea in the upland areas in the month of September. Undertake planting of pointed gourd. Carry out weeding in turmeric, cauliflower, chilli, brinjal, kharif onion and other vegetable crops. Continue planting new saplings of fruit plants such as mango, litchi, jackfruit, guava, custard apple, lemon, etc.
- Spray Imidacloprid @ 0.3ml/litre of water for the management of Yellow Vein Mosaic Virus (YMV) disease in black gram as well as for control of white fly, leaf hoppers and aphids in vegetable crops. Undertake plant protection measures after current spells of rain.

Jharkhand

- Maintain the bunds of rice field to store rain water. If the upland remained still fallow, go for sowing crops like Kulthi and Niger during clear weather conditions. Farmers having assured irrigation may proceed for early potato or table pea cultivation.
- Timely sown direct seeded paddy crop is at flowering stage and susceptible to the attack of Gandhi bug. To control, carry out dusting of Chlorpyrifos / Quinolphos / Methyl Parathion dust @ 10 kg per acre. Undertake plant protection measures after current spells of rain.

West Bengal

- In Sub-Himalayan West Bengal, take care of the transplanted paddy seedlings and maintain 4 to 5 cm of water level in the field. Select upland for sowing of black gram; treat seeds with Rhizobium before sowing. Take up sowing of early cabbage and cauliflower seeds in the nursery bed after treating them with Bavistin or Mancozeb.
- Spray Neem oil 10,000 ppm @ 3ml + sticker 0.5ml per litre of water in the rice field as a preventive measure at early vegetative stage. Undertake plant protection measures after current spells of rain.
- In Gangetic West Bengal, complete the transplanting of Aman rice immediately to avoid yield loss. Check the bunds around the field. Keep the drainage channels clean and arrange proper aeration in the betel vine gardens. Provide drainage and carry out weeding in tomato, chilli and brinjal fields and provide staking to the plants. Using soil and compost, prepare bed in black wooden boxes for preparing seedlings of early winter vegetables.
- Carry out constant monitoring for brown plant hopper in paddy fields. If insect population is above ETL, spray Imidacloprid 17.8 % SL@ 1.0 ml/ 3 litres of water. Spray Neem oil 10,000ppm @ 3ml/litre + sticker 0.5ml/litre as a preventive measure in the rice field at early vegetative stage. Undertake plant protection measures after current spells of rain.

Andaman & Nicobar Islands

- In Andaman & Nicobar Islands, provide drainage facility in vegetable field to drain out excess water as heavy rainfall is expected. Collect all the fallen coconuts from the field to avoid sprouting and also clean the coconut garden.

Animal Husbandry

- In Bihar, to control the external and internal parasites in animals, give Ivermectin 10 Mg per 50kg body weight.
- In Odisha, go for vaccination for Anthrax & FMD and de-worming of bovines. In poultry birds, do careful litter management & proper vaccination
- In West Bengal, give the animals 30-50 grams of mineral mixture along with their feed on a daily basis. This increases milk productivity and enhances immunity.
- In Andaman & Nicobar Islands, keep cattle in sheds during heavy rainfall period and provide clean drinking water. Provide vaccination to pigs with the consultation of veterinary doctors.

Fishery:

- In West Bengal, stock 1000-1500 numbers of fish fingerlings in/bigha pond.
- In Andaman & Nicobar Islands, initiate breeding of IMC fishes if brooders are available.

WEST INDIA [GOA, MAHARASHTRA, GUJARAT]

Realised Rainfall: Rainfall occurred in all districts of Konkan & Goa except Mumbai city, Mumbai Suburban; in Jalgaon, Nandurbar districts of Madhya Maharashtra, in all districts of Vidarbha except

Buldhana, Washim, Yavatmal; in all districts of Gujarat Region except Ahmedabad, Banaskantha, Bharuch, Patan, Surat, Valsad districts.

Advisories:

- As rain/thundershowers likely at most places over Konkan, at most/ many places over Vidarbha during the period, over Madhya Maharashtra and Marathwada on 2nd & 3rd September along with **Heavy/ Heavy to very heavy rainfall** at isolated places over Konkan; avoid intercultural operation and application of plant protection measures and fertilizers to the standing crops. Provide adequate drainage in standing crop fields in Konkan.

Maharashtra

- In Konkan, maintain 5 cm water level in rice fields. To control downy mildew and powdery mildew in vegetables, spray Dithane M-45 or Dithane Z-78 each @ 2.5 g/litre of water after current spells of rain.
- In Madhya Maharashtra, maintain 5 cm water level in rice fields. To control sucking pest like aphids, jassids and thrips in cotton, spray Imidacloprid @ 3 ml per 10 liter of water on a non-rainy day. To control white grub in sugarcane, spray granular phorate 10% @ 25 kg and Carbofuron 3% @ 15 Kg per ha on a non-rainy day. To control tikka and rust in groundnut, spray Mancozeb @ 25 g + Bavistin @ 25 g in 10 liters of water on a non-rainy day.
- In Marathwada, continue picking of matured green gram during clear weather. To control sucking pest in sugarcane, spray Chlorpyrifos 20 % @ 600 ml or Monocrotophos 36% @ 300 ml per acre during clear weather. To minimize moisture stress in late sown pearl millet, spray Potassium Nitrate @ 150 g per 10 liter of water on a non-rainy day.
- In Vidharbha, maintain 5-7 cm water level in rice fields in East Vidarbha. Undertake picking of matured green gram after current spells of rain. Undertake foliar spray of 2% Urea (200 g Urea +10 litre water) to cotton (flowering stage) for better productivity after current spell of rain. Undertake intercultural operations (weeding/hoeing) in pigeon pea after current spell of rain. Also to control leaf eating caterpillar in pigeon pea, spray Nimboli Arc 5 % per 10 liters of water after current spells of rain.

Gujarat

- In North Gujarat, complete transplanting of tomato, brinjal, chilli and early cauliflower crops after current spells of heavy rain. Continue the planting of saplings of new orchard. Undertake sowing of fodder sorghum crop.
- In South Gujarat, maintain 2-3 cm water level in rice field. Install pheromone traps in cotton for monitoring of pink bollworm in cotton.
- In Middle Gujarat, carry out hand weeding in green gram crop after current spells of rain.
- In Saurashtra & Kutch, carry out intercultural operations in sesame, pearl millet and cotton crops on a non-rainy day.
- In South Gujarat, there is a chance for pseudo stem weevil in banana; spray Clorpyrifos @ 2ml/litre in leaf axils. Present weather condition is favorable for white fly in sugarcane; it can be managed by removing excess water from field.
- **Animal Husbandry:**
- In Gujarat, take care of cattle and stored dry fodder during heavy rainfall period.

CENTRAL INDIA [M.P., CHHATTISGARH]

Realised Rainfall: Rainfall occurred in all districts Madhya Pradesh and Chhattisgarh.

Advisories:

- As rain/thundershowers likely at most places over West Madhya Pradesh, at most/ many places over East Madhya Pradesh and Chhattisgarh during the period along with **heavy/ Heavy to very heavy rainfall** at isolated places over Chhattisgarh during the period, **heavy rainfall** likely at isolated places over Madhya Pradesh on 2nd & 3rd September, avoid intercultural operation and application of plant protection measures and fertilizers to the standing crops. Provide adequate drainage in standing crop fields.

Madhya Pradesh

- In Malwa Plateau Zone, continue intercultural operations in soybean, maize and cotton crops after current spells of rain. Farmers are advised to install Light Trap / Insects specific Pheromone Trap in soybean crop in order to assess the likely infestation of insects and for integrated pest management. For management of

defoliators and white fly in soybean, spray pre-mixed insecticides like Betacyfluthrin + Imidacloprid @ 350 ml/ha or Thimethoxam + Lambda cyhalothrin @ 125 ml/ha after current spells of rain.

- In Jabhua Hill Zone, provide drainage channels in proper distance for drainage of excess rain water in tomato, chilli, brinjal, kharif onion and early cauliflower crop and give recommended dose of fertilizers.
- In Satpura Plateau Zone, if leaf eating caterpillar is observed in soybean crop, apply Trizofas @ 2 ml/acre or Flubendiamide @ 0.5 ml/acre +200 liter water. Bud necrosis disease is observed in groundnut, for control, apply Monocrotophos @ 1.6 ml/liter of water and for stem rot of groundnut spray of Saaf @ 3gram/ liter of water should be done. Undertake plant protection methods after current spells of rain.
- In Central Narmada Valley Zone, complete transplanting of rice and undertake weed management in soybean crops after current spells of rain.

Chhattisgarh

- In Northern Hill Zone, in upland areas, complete sowing of urad, sesamum, moong etc., inter cropping of maize with Urd is advised. Farmers are advised to sow brinjal, early tomato, chilli and onion in the nursery in the upland areas. Undertake intercultural operations in different kharif crops like Maize, Ragi, Arhar, Groundnut, Soybean, Urd, Mung etc after current spells of rain. After weeding, broadcast urea as per requirement.
- In Chhattisgarh Plain Zone, upland rice should be kept weed free and nitrogenous fertilizer should be applied after current spells of rain. Nursery preparation of cauliflower and cabbage may be started. Maintain 5cm water level in rice fields. In the rice crop, continuous monitoring of harmful insects should be done. For this light trap should be used. Light trap should be placed at some distance from the crop and bulb should be lighted from evening 06:30 pm to 10:30 pm. Collected insects should be destroyed in the morning hours.

Animal Husbandry

- In Madhya Pradesh, cattle sheds should be kept dry and farmers are advised to provide dry feed along with green feed in (50:50) ratio and 20-30 g mineral mixture and salt for the dairy animal's every day. . Vaccinate the chicks at 7 days (F1) and at 6 weeks with R2B. Vaccinate the poultry birds to prevent Ranikhet disease. (first F-1 in age of 7 days & second R2B in age of 8 weeks)
- In Chhattisgarh, cattle shed should be kept dry as far as possible to prevent from foot rot disease. Hygiene should be maintained around cattle shed. Bushes, parthenium weeds should be uprooted and pits etc. should be filled to control mosquitoes.

NORTH INDIA [JAMMU & KASHMIR, HIMACHAL PRADESH, UTTARAKHAND, PUNJAB, HARYANA, DELHI, UTTAR PRADESH & RAJASTHAN]

Realised Rainfall: Rainfall occurred in Gurdaspur district of Punjab; in Chandigarh; in Yamunanagar district of Haryana; in North East Delhi and East Delhi districts; in Ajmer, Banswara, Baran, Bhilwara, Bundi, Chittorgarh, Dausa, Dungarpur, Jhalawar, Kota, Pratapgarh, Rajsamand, Sawai Madhopur, Tonk, Udaipur in East Rajasthan, Jalore of West Rajasthan; in Auraiya, Bulandshahar, Etawah, Ferozpur, Hamirpur, Jalaun, Jhansi, Kanshiram Nagar, Lalitpur, Mahamaya Nagar, Mahoba, Muzaffarnagar, Pilibhit, Saharanpur, Sambhal and Shahjahanpur districts in West Uttar Pradesh and in all districts in East Uttar Pradesh except Ballia, Banda, Deoria, Farrukhabad, Fatehpur, Gazipur, Kushi Nagar, Mau, Rai Bareilly and Sant Kabir Nagar; in Kangra, Mandi and Sirmaur districts of Himachal Pradesh; and in most of the districts of Uttarakhand except Champawat, Garhwal Tehri, Haridwar and Udham Singh Nagar.

Advisories:

- As rain/thundershowers likely at most/many places over Uttarakhand, Himachal Pradesh and East Rajasthan during the period, over west Uttar Pradesh from 31st August to 3rd September, over Punjab and Haryana on 1st & 2nd September along with **Heavy Rainfall** at isolated places over Himachal Pradesh, Uttarakhand, West Uttar Pradesh, East Rajasthan from 30th August to 3rd September, avoid intercultural operation and application of plant protection measures and fertilizers to the standing crops. Provide adequate drainage in standing crop fields in Himachal Pradesh, Uttarakhand, West Uttar Pradesh, East Rajasthan.

Jammu & Kashmir

- In Sub Tropical Zone, apply 2nd dose of Nitrogen as top dressing in early and normal transplanted paddy just before panicle initiation stage, if crop is 55 – 65 DAT. Spray Carbendazim @ 0.1%, if attack of sheath blight is observed in paddy crop. If excessive weeds are observed in maize field, uproot the weeds manually and mulch the soil with dead weeds. Top dress nitrogen (Urea) before tassel formation in maize

(30-40 days after sowing) during evening hours. Spray Carbaryl @ 0.1 % during clear weather, if attack of blister beetle is observed on maize. Weather is congenial for hairy caterpillar on kharif pulses. If observed, then destroy young larvae in gregarious phase. If population is high, spray Quinalphos @ 0.03% or Dichlorvos @ 0.05% on a non rainy day.

- In Intermediate Zone, keep strict vigil on attack of blister beetle in maize crop. If observed, apply Carbofuron 3G @ 20 kg/ha (apply 3- 4 granules/leaf whorls to control the blister beetle). Also collect blister beetle by hand and kill them by burning or putting in water. If attack of the white fly is observed in okra, install 2 – 3 yellow sticky traps @ 1 kanal area. Spray Neem oil @ 2 ml/litre of water. In case of severe damage apply imidachloprid @ 0.3 ml/liter of water (5 ml/pump) or Rogor @ 1 ml/litre of water (15ml/pump) or Dichlorvos 30 EC @ 2 ml/lire of water on a non rainy day. Repeat the spray after 10 – 15 days interval.

Himachal Pradesh

- In Sub Montane and Low Hills Sub Tropical Zone, spray Cypermethrin 25 EC @0.5 ml /litres of water to control Hairy caterpillar in pulses. In tomato, brinjal, chilli and capsicum crops, apply dose of urea and carry out intercultural operation. For shoot and fruit borer in brinjal and tomato crops, collect and bury the infested fruits and shoots inside the soil. Also install pheromone trap @25 per hectare. If pest population is high, spray Spinosad 48 EC @ 1 ml /4 litres of water. After harvesting of mature lady finger apply urea @ 5-10 kg/acre. To control mites in lady finger, chilli and cucurbitaceous crops, spray phosmite @ 1.5 - 2 ml per litre of water. To control jassids, spray Dimethoate 30 EC @ 2 ml/litre of water after current spells of rain.
- In High Hill Temperate Dry Zone, carry out weeding operation in pea field. After flowering stage, spray Bavistin 0.25% for control of white rot disease. Spray Streptocycline (1 gram / 10 liter) and Blitox (Copper oxychloride) @ 3gm/liter at 15 days interval after flowering to control black rot in cabbage and cauliflower.
- In Mid Hills Sub Humid Zone, carry out hoeing & weeding operations in vegetable crops like capsicum, French bean, bitter gourd, ladies finger, brinjal and pumpkin. To control fruit blight and fruit rot disease in Pomegrante spray Mencozeb 600g & Carbondazim 100 g@ 200 ltr of water. To control fruit borer in tomato, spary Endoxacarb 14.5 EC 11ml or Lamda Sylothrin 5EC (Krate 18.75 ml) @ 15 litres of water. To control Canker disease in Citrus fruit and Pomegrante spray Copper Oxichloride 600 g and Streptocyclin 40g @ 200 litres of water after current spells of rain.

Punjab, Haryana and New Delhi

- In Punjab, remove excess rain water to avoid any damage in maize and pulses fields. Continue transplanting of vegetables (tomato, chilli, brinjal, cauliflower) and sowing of maize. Undertake planting of kharif onion crop both with bulbsets as well as seedlings. In early transplanted rice, drying of leaves due to bacterial leaf blight disease may be noticed, avoid ponding of water to check further spreading of infection. Undertake planting of ever green fruit plants like mango, sweet orange, mandarin, lime, lemon, litchi, guava, aonla, loquat and papaya.
- In Western Plain Zone of Punjab, due to persistence of high humidity and cloudy weather false smut may appear in rice, spray with Kocide 46 DF (Chopper hydroxide) @ 500 g in 200 litres of water per acre to control false smut and after 10 days of its application spray Tilt 200 ml in 200 litres of water after current spells of rain.
- In Undulating Plain Zone, use fruit fly trap to control fruit fly damage in guava orchards. Farmers are advised to remove foot rot infected plants from rice field and avoid ponding of water to check further spreading of infection. Weather condition is favourable for planting of evergreen fruit plants like Mango, Litchi, Guava.
- In Haryana, continue transplanting of matured seedlings of tomato, cauliflower, cabbage in prepared field and complete the sowing of ladyfinger, bottle gourd, cucumber, ridge gourd and summer radish. Complete transplanting of rice and continue land preparation for sowing for pulses i.e. green gram, lobia, moth. Drain out the excess rain water from cotton crop. Maintain the water label in the paddy crop filed.
- In Delhi, continue transplanting of early cauliflower, tomato, chilli, brinjal cauliflower and cabbage whose seedlings are ready and make proper arrangement for drainage in the field. Undertake sowing of fodder sorghum, sweet corn and baby corn. Undertake hoeing & weeding in all crops and vegetables and monitor all crops regularly against white flies and sucking pests. Undertake plant protection methods after current spells of rain. Undertake proper arrangement for drainage in all vegetables, pulse, maize and nurseries of the crops. Due to humid weather conditions, there may be increase in population of insect pests of cotton,

install pest specific pheromone traps in the fields for monitoring the insect.

- In Western Zone of Haryana, due to variable weather conditions, high humidity and favourable temperature for the chances of infestation of white fly in cotton. Farmers are advised to keep vigil on leaf hopper, thrips white fly infestation. If infestation of white fly above to the economical threshold level (ETL), apply Dimethoate (Rogor) 30 E.C. @ 400 ml or 500 ml Oxydemeton-methyl 25 E.C. (Metasystox) mixed with 250 liters of water per acre, when sky remain clear. Due to favourable weather condition i.e. high humidity and optimum temperature prevailing in the atmosphere, farmers are advised to monitor the infestation of leaf folder-Larva in rice crop. If observed than spray 400 ml Quinalphas (ekalux) 20 AF or 200 ml Monocrotophas 36 SL mixed with 200 liter water per acre in the crop on a non rainy day.
- In Undulating Plain Zone of Punjab, borers in sugarcane can be managed by using Tricho-cards having 20,000 eggs of *Corcyra cephalonica* parasitized (seven days old) by *Trichogramma chilonis* and *Tricogramma japonicum* per acre at 10 days interval. Remove excess rain water to avoid any damage. Sucking pest population may increase which can also transmit Mosaic disease in mung and mash, spray recommended insecticides for control of sucking pest.
- In Western Zone of Punjab, in case of severe attack of whitefly and jassid in cotton, spray the crop with Ulala 50 WG @ 80g/acre or Osheen 20 SG @ 60g/ acre for the control of whitefly. For the control of jassid, use Osheen 20 SG @ 60g per acre or Ulala 50 WG @ 80g/acre in 125-150 litres of water with manually operated knapsack sprayer.
- In Central Plain Zone of Punjab, prevailing weather is favourable for the development and spread of fruit rot in chilli, give 3-4 sprays of Folicur @ 250 ml of Indofil M-45 or blitox 50 WP @ 750 gm/acre at 10 days interval after current spells of rain.

Uttar Pradesh

- In East Uttar Pradesh, undertake planting of fruit orchards. Continue weeding and thinning in finger millet, pigeon pea, sorghum, bottle gourd, brinjal, chilli and tomato crops. Monitor insect/pest population in standing crops and take appropriate measures if it goes above ETL.
- In West Uttar Pradesh, make proper arrangements for drainage of water in all vegetable crops, pulses and maize and nurseries. Carry out weeding and hoeing in all crops and vegetables after current spells of rain. Take up sowing of recommended varieties of okra (bhindi). Continue transplanting of vegetables such as brinjal, chilli, cauliflower, etc. Complete the sowing of okra, lobia gourd, bitter gourd, cucumber etc. Continue planting of mango, guava, berry, amla, lemon, etc. in new fruit orchards. Carry out harvesting of bhindi, bitter gourd, cucumber and other cucurbitaceous crops at 3-4 days interval. For management of stem borer in paddy, spray Chlorpyrifos 20EC @ 1.5 litres in 500-600 litres of water per hectare after current spells of rain.

Uttarakhand

- In Bhabar and Tarai Zone, to control the leaf blight disease in maize, spray solution of Mancozeb 75 WP @ 3g/litre of water. To control leaf spot disease in cucurbitous crops, spray solution of Mancozeb @ 2.5 g/litre of water. To control the stem and fruit borer in brinjal, spray Emamectin Benzoate 5 SG @ 200g/Ha or Cypermethrin 25EC @200ml/Ha or Lambda Cyhalothrin 5CS @ 300ml/ha after current spells of rain. The fruits should be used 5 days after the last spraying of chemicals.
- In Sub-Humid Sub-Tropic Zone, present weather is conducive for infestation of blast and brown spot diseases in paddy crop. Spray Carbendazim @ 2gm/litre of water on the affected crops. Rice Hispa and rice leaf folder are expected in rice fields. Remove the weeds and spray Chlorpyrifos 20 EC @ 2.5ml /litre of water after current spells of rain.
- In Hill Zone, undertake sowing of pea and potato. Complete transplantation of cabbage seedlings as early as possible. Complete planting of lemon sapling, fodder plants and other fruit plants. Install pest specific pheromone traps @ 3-4/acre in the paddy fields.

Rajasthan

- In Flood Prone Eastern Plain Zone, raise nursery of cauliflower varieties like Pusa Hybrid-2, Improved Japanese and Pusa Himjyoti after current spells of heavy rain. Use 375-400 g seed for transplanting one hectare area.
- In Irrigated North Western Plain Zone, undertake planting of new seedlings of kinnow in prepared pits of orchards. Purchase kinnow plants from certified nursery & keep kinnow orchard free from weed by weeding time to time.
- In Transitional Plain Zone and Inland Drainage Zone, undertake planting of fruit plants like ber, aonla, pomegranate. Also advised to transplant onion seedling in the prepared fields.

- In Sub Humid Southern Plain and Aravali Hill Zone, weather is congenial for planting of papaya and other fruits plants.
 - In Semi-Arid Eastern Plain Zone, due to continuous cloudy sky groundnut may be affected by leaf spot disease, spray Bavistin @ 0.5 gm or Mencozeb @ 2 gm per litre water after current spells of rain.
- Animal Husbandry**
- In Uttar Pradesh, undertake vaccination in Buffallow as per schedule and provide fresh drinking water.

The Agromet Products in this Bulletin are generated by Agrimet Division, weather forecast issued by NWFC, New Delhi and AgrometAdvisories are prepared based on the DAAS Bulletins issued by different Agrometeorological Field Units.