



Summary of Agromet Advisory Services for different States of the country
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(For the period 21st December to 25th December, 2006)

The extended version of the bulletin is also available at <http://imdagrmet.org>

North West India (Haryana, Punjab, Rajasthan, Uttar Pradesh, Delhi, Himachal Pradesh, Jammu & Kashmir and Uttaranchal)

Punjab

Weather remained mainly dry in the State during the period.

Isolated rain/thundershowers are also likely over the State during next 24 hours and mainly dry weather thereafter. Fall in night temperatures by 2-3 °C over the State from 22nd December onwards.

Advisories

- There was no rain fall in the State during last week and isolated rain/thundershowers are also likely over the State during next 24 hours and mainly dry weather thereafter. Under the circumstances, apply irrigation to sugarcane, gram, lentil and wheat.
- Continue sowing of late wheat variety PBW373.
- Undertake necessary weeding and intercultural operation to control weeds in rabi oilseeds, gram and lentil.
- Make necessary arrangements to protect the rabi oilseed, gram, lentil, wheat and vegetable crops from cold/frost injury. Apply light irrigation and arrange for smoke around the field to prevent frost injury.
- Apply top dressed nitrogen to early sown wheat crop.

Haryana

Weather remained mainly dry in the State during the period.

Isolated rain/thundershowers are also likely over the North Haryana during next 24 hours and mainly dry weather thereafter. Mainly dry weather likely in South Haryana. Fall in night temperatures by 2-3 °C over the State from 22nd December onwards.

Advisories

- There was no significant rain fall during last week and isolated rain/thundershowers are also likely over the North Haryana during next 24 hours and mainly dry weather thereafter. Under the circumstances, apply irrigation to sugarcane, gram, lentil and wheat.
- There was no significant rain fall during last week and mainly dry weather is likely over South Haryana for the next three days. Under the circumstances, apply irrigation to sugarcane, gram, lentil and wheat.
- Complete sowing of gram, and lentil. Continue sowing of late varieties of wheat i.e. Sonalika, WH-291, 396, PBW373, 138 and RAJ-3765 and sunflower.
- Incidence of shoot borer, top borer, gurdaspur borer, pyrilla, termite and red rot is reported in sugarcane. To control pyrilla spray 600-800 ml malathion in 800 litre of water per acre.
- Make necessary arrangements to protect the rabi oilseed, gram, lentil, wheat and vegetable crops from cold/frost injury. Apply light irrigation and arrange for smoke around the field to prevent frost injury.

Rajasthan

Weather remained dry in the State. Night average temperature was generally normal in all the divisions of the State.

Mainly dry weather is likely over the State.

Warning: Cold wave conditions may occur at few places in North Rajasthan during next 48 hours.

Advisories

- Apply irrigation and arrange for smoke near the field in north Rajasthan to safeguard the crops from cold injury.
- Wipe out water droplets on the leaves by pulling rope from the twosides of field. This will prevent formation of ice crystals during nighttime.
- This is proper time for sowing late varieties of **barley** and **wheat**. Continue land preparation and sowing. Undertake seed treatment before sowing.
- Apply pre-sowing irrigation before sowing of **wheat**. Select varieties from GW-173, 190, PBW-343, HD-2329, Raj-1482, 3077, 3765 etc. for sowing.
- Undertake intercultural operations in early sown **mustard, cumin, maize** and **gram** to keep the field weed free. Top dress urea in mustard crop before light irrigation.

Uttar Pradesh

Weather was mainly dry in all divisions of U.P. from 18th to 20th December.

Weather will be mainly dry over the State. Fall in night temperatures by 2-3 °C likely over the West U.P from 22nd December onwards.

Advisories

- There was no significant rain fall during last week and mainly dry weather is likely over the State for the next three days. Under the circumstance, apply irrigation to bring the soil moisture to its field capacity in **rabi oilseed, pulses** and **winter vegetable** crops.
- Continue weeding and hoeing along with top dressing of nitrogen in winter **vegetables**, and **rabi oilseeds** and **pulses**.
- Sowing of **rabi wheat**, late varieties of **gram** and **barley** crops may be completed.
- Harvesting of **sugarcane** may be continued.
- Make necessary arrangements to protect the **wheat** and **barley** crops from cold injury. Apply light irrigation and arrange for smoke around the field.

Himachal Pradesh

The precipitation occurred at isolated places.

Isolated rain / snowfall is likely to occur over the State during next 24 hours and weather will be mainly dry thereafter.

Advisories

- As there was no significant rain during last week in the State and isolated rain/snowfall is likely to occur over the State during next 24 hours and weather will be mainly dry thereafter, apply irrigation to **vegetable** crops, **gram**, **rapeseed** and **mustard** and early sown **wheat** and **barley** wherever crops are at vegetative stage.
- Complete land preparation and nursery sowing and transplanting of **cauliflower** and **cabbage** in low and mid hills, sowing of **radish**, **turnip** and **carrot** and also sowing of **wheat** and **barley** in rain fed areas.
- Select varieties from HPW-42 and HS-295 for late sowing of **wheat**, and Vimal (HBL-113) Dolma; Sonu

(HBL-87);Gopi(HBL-316);Harit(HBL-276)for **barley**.

- As there is chance of occurrence of frost, farmers are advised to arrange for smoke around the field to save the crops from frost.

Uttaranchal

Weather remained mainly dry during the period. Sky remained mainly clear to mainly cloudy.

Rain/snowfall is likely to occur at a few places over the State during next 24 hours and weather will be mainly dry thereafter. Fall in night temperatures by 2-3 °C over the plains from 22nd December onwards.

Advisories

- There was no significant rain fall during last week and rain/snowfall is likely to occur at a few places during next 24 hours and weather will be mainly dry thereafter over the State. Under the circumstances, apply required irrigation to **mango, potato** and **wheat** crops.
- Carry out intercultural operation, application of fertilizer and plant protection measures to **mango, wheat** and **potato** crop on a non-rainy day.
- Apply light irrigation and arrange for smoke around the field to prevent frost injury in **potato** and **wheat**.
- Continue harvesting of matured crops of **toria, sugarcane** and **pea** on bright sunny days.

Jammu & Kashmir

Weather remained mainly dry over J & K State.

Rain/snowfall activity is likely at a few places over Jammu & Kashmir during next 24 hours and mainly dry weather thereafter.

Advisories

- Apply irrigation and arrange for smoke near the field in Jammu division to safeguard the crops from cold/frost injury.
- Wipe out water droplets on the leaves by pulling rope from the two sides of field. This will prevent formation of ice crystals during nighttime.
- Continue sowing of late varieties of **wheat**. Before sowing, undertake ploughing followed by planking to conserve moisture.
- Remove virus affected crops of **brinjal, tomato, cauliflower** and **cabbage** in Jammu division.

Delhi

Weather remained dry.

Mainly dry weather is likely over the State. Fall in night temperatures by 2-3 °C over the State from 22nd onwards.

Advisories

- As there was no significant rain fall during last few weeks and mainly dry weather is likely over the State for next three days, apply irrigation to **early sown vegetable crops** and **wheat** and also to **barley, gram, mustard** and **toria** to bring the soil moisture to its field capacity.
- Prepare land and perform sowing of Pusa Himani variety of **raddish** and Nanteez variety of **carrot**. Treat the seeds with Captan or Thiram or Dithane M-45 @ 2g/kg seeds.
- Prepare land and continue late sowing of **wheat**.
- Select varieties from HD-2285, Raj-3077 or 3765, UP2338 and PBW-226 or 373 etc. for late sown **wheat**.

Southern Region (AP, Tamilnadu, Karnataka and Kerala)

Kerala

Mainly dry/dry weather prevailed over the State during the period.

Rain/thundershowers are likely to occur at a few places over the State.

Advisories

- There was no significant rainfall in the State during last few weeks and rain/thundershowers are likely to occur at few places for the next three days. Under the circumstance, apply irrigation to **plantation crops** and **mundakan rice** depending upon the rainfall situation.
- Attack of **mahali** disease is reported in **arecanut**. Spray 1% Bordeaux mixture on fruit bunches and crown on a non-rainy day to control **mahali** disease.
- Attack of **pseudostem weevil** and **bunchy top** is reported in **banana**. Eradicate **bunchy top** affected plants to prevent further spread of the disease. Spray Quinalphos @ 0.05% or Chloropyrifos @ 0.03% or Carbaryl @ 0.2% on a non-rainy day to control **pseudostem weevil**. Spraying/drenching may be done on all leaf axils, rhizome, surrounding soil and all around the entire pseudo stem. Repeat the treatment after 3 weeks if infestation persists.
- Attack of **Leaf eating caterpillar, rhinoceros beetle, mite, red palm weevil** insects is reported in **coconut**. Fill the leaf axils with 25 gm Sevidol 8 G and fines sand 200 gm on a non-rainy day for controlling **red palm weevil** and **rhinoceros beetle**. Spray Dichlorovos @ 1 ml per liter of water or use Mercaptothion followed by release of pupal and larval parasites available from bio-control lab, 21 days after spraying on a non-rainy day to control **leaf eating caterpillar**. Spray garlic-neem emulsion on a non-rainy day to control **mite**.
- Attack of **rice bug** is reported on **rice**. Spray Malathion @ 2 ml/litre on a non-rainy day to control **bug**.

Tamilnadu

Mainly dry weather prevailed over the State on 20th December and dry weather prevailed on 18th and 19th December.

Rain/thundershowers are likely at a few places over the State.

Advisories

- There was no significant rainfall in the State and rain/thundershowers are likely to occur at few places in Tamil Nadu. Under the circumstance, apply irrigation to the standing crops to bring the soil moisture to its field capacity.
- Weather conditions are favourable for the outbreak of pests and diseases, particularly for **BPH** and **blast**. Monitor the crop and undertake plant protection measures.
- Monitor **groundnut** for **red hairy caterpillar** and **leaf miner**. If the pest population crosses ETL, spray Monocrotophos @ 625 ml/ha to control **red hairy caterpillar**. Dust 4% Carbaryl or spray Methyl demeton @ 0.02% to control **leaf miner**.
- Continue land preparation and sowing of **cotton, pulses** and **sunflower**.

Karnataka

Dry weather prevailed over the State on all days.

Isolated rain/thundershowers are likely at South Interior Karnataka. Mainly dry weather is likely over the rest of the region.

Advisories

- There was no rainfall during last week and rain/thundershower is likely to occur only at South Interior Karnataka and dry weather is likely to prevail in rest of the region for the next three days. Under the conditions, apply irrigation to early sown **rabi** crops like **jowar, wheat** and **maize** to bring the soil moisture to its field capacity.
- Monitor **ratoon sugarcane** for **wooly aphids** and if the pest population crosses ETL, release **Dipha** sp, adopt wider spacing, inter-cropping with soyabean and pulses of short duration as plant protection measures against wooly aphids in **Mysore, Mandya** and **Hassan** districts.

Andhra Pradesh

Dry weather prevailed over the State.

Isolated rain/thundershower is likely over South Coastal Andhra Pradesh and Rayalaseema. Mainly dry weather is likely to prevail over Telangana.

Advisories

- There was no significant rainfall during last few weeks over the State and rain / thundershowers likely to occur at isolated places over South Coastal Andhra Pradesh and Rayalaseema for the next three days. Under the circumstances, apply irrigation to *rabi* crops like **gram, maize** and **groundnut** to bring the soil moisture to its field capacity.
- Incidences of *Spodoptera exigua* has been reported in **gram** in **Kurnool, Kadappa** and **Anantpur** districts. Spray Thiodecarb @ 1 gm or Acephate @ 1 gm or Chloropyrifos @ 3 ml per liter of water to control the pest.

Eastern Region (Assam, Bihar, Sikkim, West Bengal)

Assam

Weather was mainly dry during the period over the State.

Mainly dry weather is likely over the State during next 24 hours and isolated rain/thundershower there after.

Advisories

- As there was no significant rain in all the districts during last week and mainly dry weather is likely over the State during next 24 hours and isolated rain / thundershowers thereafter, apply irrigation to **wheat, rapeseed** and **mustard, potato, pea, lentil** and early sown **vegetables**.
- Mild incidence of **Pod and apion borer** in **arhar**, **aphids, jassids, flea beetle** and **leaf spot** in **black gram** and **green gram, aphids** and **sawfly** in **mustard** and **late blight** in **tomato** is reported.
- Monitor **aphids** and **sawfly** in **mustard** and if crosses economic threshold level, spray Rogor or malathion @ 2 ml per litre of water.
- Monitor **late blight** of **tomato** and if crosses economic threshold level, spray Indofil M-45, alternatively Indofil Z-78 @ 25 gm in 10 litres of water.
- Continue land preparation and sowing of **winter vegetables** and **transplanting of rice**.
- Maintain 2–3 cm water in the **rice field** after 2–3 days of transplanting.

West Bengal

Weather was mainly dry over the State.

Weather will be mainly dry over the State.

Advisories

- As there was no significant rain in all the districts of the State during last week and mainly dry weather is likely over the State for next three days, apply irrigation to **sugarcane, rapeseed** and **mustard, gram** and **lentil, wheat** and **potato** crops.
- Apply first split dose of nitrogenous fertilizer (25–30 kg N/ha) at 20–25 days after sowing of **wheat**.
- Monitor blight disease in **wheat** and in the event of occurrence of this disease, apply Mancozeb @ 2.5 g per liter of water and spray 2 times at an interval of 7 days.
- Land should be prepared and nursery sowing of **boro rice** may be carried out.
- Select varieties from CR-126-42-1, Khitish, IE-2233, PNR 381, IR-36, Lalamt, Annada, Aditya, Tulsi etc. for short duration and Shasyasri, Prakash, Kunti, Ajaya, Pratap, Suraksha etc. for medium duration **boro rice**.

Bihar

Weather was mainly dry.

Mainly dry weather is likely over the State.

Advisories

- There was no significant rainfall during last week and mainly dry weather is likely over the State for next three days. Under the circumstances, apply required irrigation to bring the soil moisture to field capacity in **vegetables, maize, pulses, oilseeds and wheat**.
- Continue transplanting of winter **vegetables**.
- Continue field preparation and sowing of **flat sown wheat**.
- Preparation of nursery bed for sowing of **bororice** may be undertaken.

Jharkhand

Weather remained mainly dry.

Mainly dry weather is likely over the State.

Advisories

- There was no rainfall during last week and mainly dry weather is likely over the State for next three days. Under the circumstances, apply required irrigation to bring the soil moisture to field capacity in **vegetables, maize and early sown potato, pulses, oilseed and wheat crops**.
- Continue field preparation, sowing / transplanting of **onion, tomato, cabbage, cauliflower, brinjal, chilli, potato, garlic and pea**.
- Sowing of **wheat** may be continued.
- Monitor the crop for attack of **pod borer** in **Arhar** and to control the borers spray Endosulfan or Chlorpyrifos 20E.C (2ml/litre of water).

Sikkim

Sky remained partly cloudy during the period. No rain occurred during the period over East Sikkim.

Mainly dry weather is likely over the State.

Advisories

- There was no significant rainfall during last few weeks and dry weather is likely to prevail over the State for the next three days. Under the circumstances, apply irrigation to **vegetables** to bring the soil moisture to its field capacity.
- Undertake intercultural operations in **wheat, rabi vegetables and mustard** to keep the field weed free. Weeding must be done on monthly basis in mustard to remove **Satyanshi**.

Arunachal Pradesh

Isolated rain/thundershowers are likely over the State during next 24 hours and mainly dry weather thereafter.

Advisories

- There was no rainfall in the State during last week and mainly dry weather is likely during next 24 hours and isolated rain/thundershowers thereafter. Under these conditions, apply irrigation to the standing crops to bring the soil moisture to its field capacity.
- Sowing of **wheat** may be completed.

- First top dressing in early sown **potato** (33 Kg Urea/ha.) followed by earthing up and spray with 1.25 Kg Dithane in 500 Lit. water may be continued. M-45

Central Region (Gujarat, Chhattisgarh, Maharashtra, MP & Orissa)

Gujarat

Weather remained dry during the period.

Mainly dry weather is likely over the State.

Advisories

- As there was no significant rain in the State during last few weeks and weather will be mainly dry over the State for next three days, apply irrigation to **pre-monsoon irrigated cotton**, **Kharif cotton**, **castor**, **mustard** and **wheat** to bring the soil moisture to field capacity.
- If population of sucking pests like **Aphids**, **Jassids**, **Thrips** & **Heliothis** crosses economic threshold level in **cotton**, release chrysope larvae or first instar larvae @ 10000/ha twice at the interval of 15 days.
- There is mild chance of attack of aphids, mustard sawfly and jassids in **mustard**. If aphid population exceeds economic threshold level, spray pesticides phosphamidon @ 4 ml or dimethoate @ 10 ml or monocrotophos @ 12.5 ml in 10 liter water as per requirement. Second spray 10 to 15 days after first spray if required or dust the methyl parathion 2% powder or quinalphos 1.5% @ 25 kg/ha.
- Prepare land and continue late sowing of **wheat** crop. Select varieties from Lok-1, Gw-173 (150 kg seeds/ha) for late sowing of irrigated wheat. Apply basal fertilizer dose 60 kg Nitrogen, 60 kg phosphorus/ha at the time of sowing.

Chhattisgarh

Weather remained dry in the State during the period.

Mainly dry weather is likely over the State. Fall night temperatures over the State from 22nd onwards.

Advisories

- As there was no significant rainfall in all the districts during last week and mainly dry weather is likely over the State for next three days, apply irrigation to **sugarcane**, **vegetables** and **gram**, **mustard**, **potato** and also to early sown **linseed**, **safflower** and **wheat** wherever crops are at vegetative stage.
- Continue preparation of land and sowing of **linseed**, **safflower** and **wheat** and planting of new crop of **sugarcane**.
- Select varieties from Kanchan, Bilasa, G.W.-273, Lok-1, Sujata, Ratna etc. for sowing of **wheat** and CO-62175, C.O.L.K.-8001 etc. for planting of **sugarcane**.

Maharashtra

Mainly dry weather prevailed all over the State.

Mainly dry weather will prevail all over the State. Fall night temperatures over Vidarbha from 22nd onwards.

Advisories

- As there was no significant rain during last week in the State and mainly dry weather is likely over the State for next three days, apply irrigation to **kharif cotton**, **tur** and **cotton (irrigated)** crops and also to **rabi jowar**, **safflower**, **rabi maize**, **sunflower**, **potato**, **onion**, **gram**, **sugarcane (Pre-seasonal)** and **wheat**.
- Second split dose of 50 kg Nitrogen/ha may be applied to **rabi jowar** after 30 to 35 days from sowing.
- Second dose of 60 kg Nitrogen/ha may be applied to **wheat** at 21–25 days after sowing after weeding.

- Second split dose of 30 kg N/ha may be applied to **rabi sunflower**.
- Second dose of 50 kg Nitrogen/ha may be applied to **potato** before irrigation.
- Mild incidence of **White Woolly Aphids** in Aurangabad, Latur, Kohlapur and Pune and **Pyrilla, Whitefly** and **Mealy bug** in Nashik in sugarcane, **Rice hispa & Midge fly** in Nagpur division in **Kharif rice**, **Aphids** and **Jassids** in Vidarbha, **Bollworm** in Latur, Nashik and Amravati div. in irrigated cotton and **Aphids** and **Jassids** in Aurangabad and Vidarbha division in **kharif cotton** and **leaf roller** in Nagpur, **pod borer** in Pune, Aurangabad, Amravati and Latur division in **tur**, **Aphids** and **Leaf caterpillar** in Nashik division and **Sugary disease** in Latur and Pune division in **rabi jowar**, **Podborer** in Latur and Nashik division in **gram** and **downy mildew** in Grapes in Nasik, Pune, Solapur, Sangli and some other districts is reported.
- Monitor **aphids** and **jassids** population in **cotton** and if cross economic threshold level, spray **methyl dimeton 25EC @ 320 ml** or **dimethoate 30EC @ 500 ml** / ha in 500 liter water.
- Monitor **Bollworm** in **cotton** and if exceed economic threshold level, spray **36% Monocrotophos WSC** or **35% Endosulphan WSC @ 850 ml** / ha in 500 liter water.
- Monitor **leafroller** population in **tur** and if cross economic threshold level, spray **1000 ml** endosulphon/ha in 500 liter water.
- Monitor **podborer** population in **tur** and if cross economic threshold level, spray **5% Neem extract** or **20 to 25 ml Fenvalerate** / ha in 100 liter water.
- Monitor infested plant by **Sugary disease**, **aphids** in **rabi jowar** & if exceeds economic threshold level, spray **5% Neem extract** or **Diamethoate 500 ml** or **Methyl Dimeton 400 ml** or **Monocrotophos 300 ml** / ha in 500 liter water.
- Monitor **Podborer** in **gram** and if exceed economic threshold level, spray **5% Neem extract** or spray **35EC Endosulphon @ 1000 ml** or **25EC Quinolphos @ 1000 ml** / ha in 500 liter water.
- For the control of **downy mildew** on **Grapes**, spray **0.2 to 0.4% Bordeaux mixture @ 250 gm** in 100 liter water at 10 days interval. For **powdery mildew** alternate spraying of **Tridimefon @ 100 ml** or **water soluble Sulphur @ 200 gm** in 100 liter may be done at 10 days interval.

Madhya Pradesh

Dry weather prevailed over the State. Night temperatures were normal over the State.

Mainly dry weather is likely over the State. Fall in night temperatures over the State from 22nd December onwards.

Advisories

- There was no significant rain fall in all the districts during the last few weeks and mainly dry weather is likely to prevail for the next three days over the State. Under the circumstances, apply irrigation to early sown **rabi** crops like **wheat, gram** and **mustard** to bring the soil moisture to its field capacity.
- Undertake intercultural operations like weeding in early sown **rabi** crops like **gram, mustard**, **wheat, masoor**, **linseed** etc. to keep the field weed free.
- Monitor **gram** for **leaf eating caterpillar**. If the pest population crosses ETL, spray **Monocrotophos @ 750 ml/ha**.

Orissa

Weather was dry over the State during the above period.

Mainly dry weather is likely over the State.

Advisories

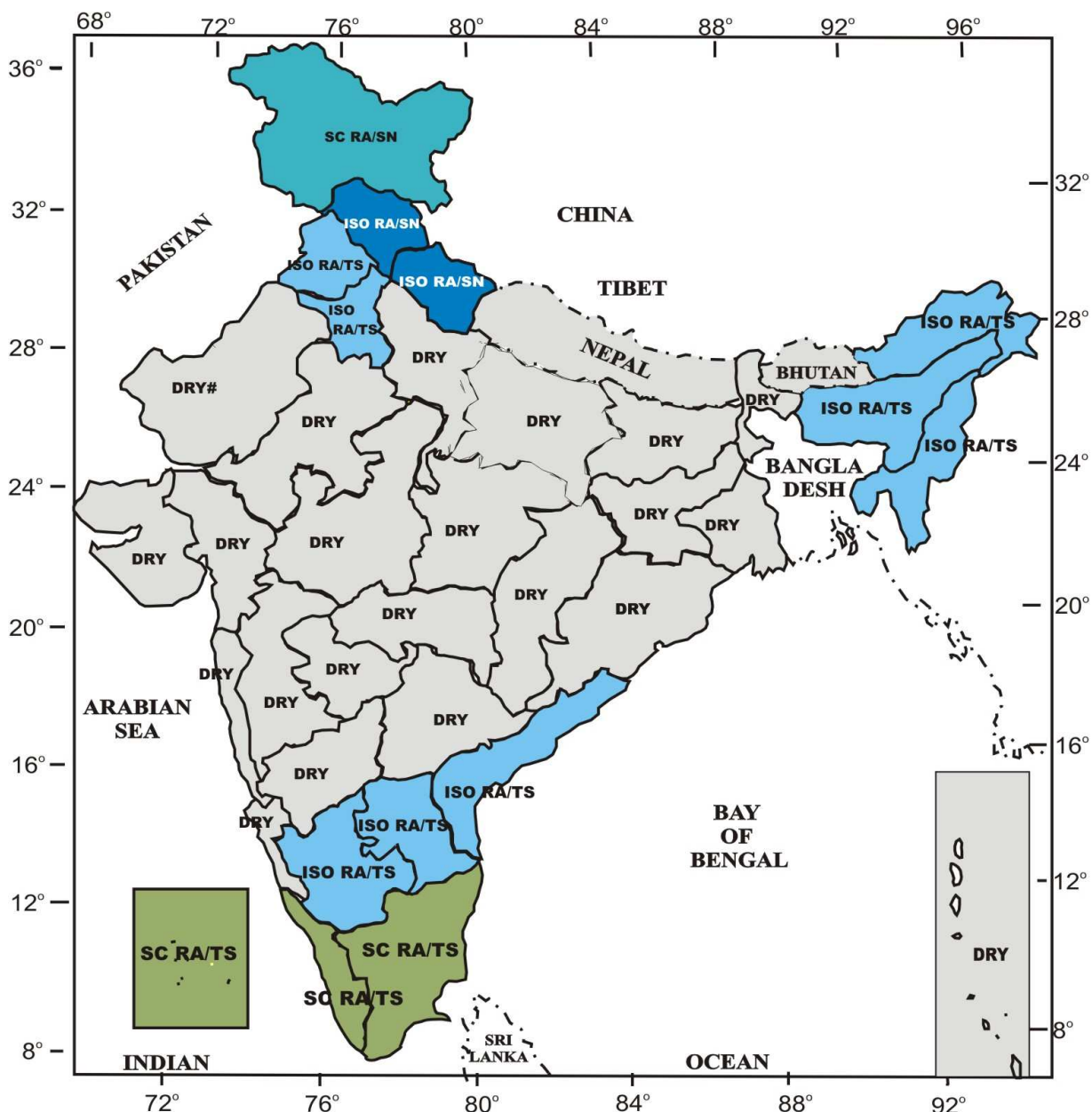
- There was no rain fall in all the districts during last few weeks and mainly dry weather is likely over the State for next 3 days. Under the circumstances, apply required irrigation to **mustard, vegetables, groundnut** and

sugarcane to bring the soil moisture to field capacity.

- Also continue inter cultural operation, application of fertilizer and plant protection measures in early sown rabi crops.
- Weather conditions are favourable for the incidences of saw fly in mustard. Monitor the crop and spray Endosulfan @ 2ml./litre of water to control the pest if it crosses ETL.
- Monitor brinjal for Epilachna beetle and if it crosses ETL, spray Carbaryl @ 4g/litre of water.
- Continue harvesting of matured vegetables, sugarcane and pulse crops.

Forecast Map

Valid upto 24th December



ISO - Isolated, TS - Thunder shower/storm, SN - Snow, RA - Rain, DRY - No rain, SC - Scattered, MOD-Moderate, SQ - Squall, HA- Hail. DS - Dust Storm, FW - Fairly Widespread
 * - With heavy Rain warning, # fog condition

Salient weather features for the week ending 20/12/06

METEOROLOGICAL ANALYSIS

- A western disturbance affected Western Himalayan region on 14th December and moved away eastward thereafter.
- A cyclonic circulation at low tropospheric levels lay over Bangladesh and neighbourhood during 17-18th December and over Nagaland, Manipur, Mizoram and Tripura and neighbourhood on 19th December.
- A weak easterly wave affected Nicobar Islands, Tamil Nadu & Pondicherry and Lakshadweep during the week.

RAINFALL

- Scattered rain/thunder shower occurred over Nicobar Islands during 14th -15th December and 17th December and over Lakshadweep Islands on 14th December. Isolated rain / thunder shower also occurred over Tamil Nadu & Pondicherry on 14th December.
- Isolated rain / thunder shower occurred over northeastern States during 18th and 19th December.
- Mainly dry weather prevailed over the remaining parts of the country during the week.

MINIMUM TEMPERATURES

- The minimum temperatures were above normal by 2-3 °C over Rajasthan, on 14th December. This above normal night temperature conditions extended to Gujarat and adjoining Madhya Pradesh during 15-16th December. They were above normal by 2-3°C over above regions and adjoining plains of northwest India on 17th December. Subsequently, they were above normal by 2-3°C only over Gujarat and Rajasthan on 18th December and became normal afterwards over most parts of west & northwest India.
- They were below normal by 1-2 °C over east India on 14th and 15th December and over many parts of east India excluding West Bengal on 16th December.
- The minimum temperatures were above normal by 2-3 °C over north peninsula on 14th December. They were below normal by 1-2 °C over some parts of Peninsula on 15th December and 16th December and by 2-3°C over many parts of peninsula during 17-20th December.
- The night temperatures were above normal by 2-4°C over many parts of northeastern States and West Bengal & Sikkim during 17-20th December.

RAINFALL DURING THE WEEK ENDING ON 20TH DECEMBER, 2006

Rainfall was excess/normal in 2 and deficient/scanty in 5 and no rain in 29 out of 36 meteorological sub-divisions (Actual: 0.1 mm, Normal: 3.7 mm and Departure: -96%).

CUMULATIVE SEASONAL RAINFALL (1ST OCTOBER TO 20TH DECEMBER, 2006)

Rainfall was excess/normal in 11 and deficient/scanty in 25 out of 36 meteorological sub-divisions. (Actual: 98.3 mm, Normal: 119.1 mm and Departure: -17%).

OUTLOOK FOR THE WEEK ENDING ON 27TH DECEMBER, 2006.

- A fresh western disturbance is likely to affect Western Himalayan region during second half of the week.
- Rise in night temperature by 2-3°C over plains of northwest India and Gangetic plains during middle of the week and fall towards the end of the week.
- Subdued rainfall activity over south peninsula during second half of the week.

DesertLocustForecasting



Rainfall(mm)							
StationName	14.12.06	15.12.06	16.12.06	17.12..06	18.12.06	19.12 .06	20.12.06
Amritsar	NIL						
Barmer							
Sriganganagar							
Jaisalmer							
Kota							
Deesa							
Churu							

Temperature(degrecelcius)							
Station Name	14.12.06	15.12.06	16.12.06	17.12..06	18.12.06	19.12 .06	20.12.06
Amritsar	11.5	-	13.0	12.5	-	12.5	-
Barmer	16.0	17.0	19.0	19.0	18.5	18.0	18.5
Sriganganagar	14.5	15.5	16.5	16.5	16.5	15.5	16.5
Jaisalmer	17.0	17.0	17.5	-	18.0	20.0	21.0
Kota	17.5	18.5	19.0	20.5	19.5	19.0	18.5
Deesa	20.0	21.5	22.0	22.0	22.0	21.5	22.0
Churu	-	-	-	-	-	-	-

Wind															
Station Name	14.12.06		15.12.06		16.12.06		17.12..06		18.12.06		19.12 .06		20.12.06		
	Speed	Dir.	Speed	Dir.	Speed	Dir.	Speed	Dir.	Speed	D ir.	Speed	Dir.	Speed	Dir.	
Amritsar	05	N	05	W	-	-	-	-	-	-	-	-	-	-	
Barmer	09	NNW	-	-	-	-	-	-	08	W	07	W	09	SW	
Sriganga nagar	08	NW	17	WNW	-	-	-	-	12	N	05	WNW	03	NE	
Jaisalmer	09	NE	07	WSW	-	-	-	-	09	W	12	WSW	11	SW	
Kota	05	NE	07	NW	-	-	-	-	11	WNW	03	W	04	NW	
Deesa	06	NE	12	W	-	-	-	-	05	NW	07	SSW	06	WSW	
Churu	13	NNE	15	WNW	-	-	-	-	13	NW	09	NNW	04	S	

There is no chance of locust infestation in Rajasthan and the adjoining areas during this week.

CROP-STATE-STAGE

Delhi

Toria	Vegetables(Brinjal, Chilly,Cauliflower andcabbage,raddish, carrot,andturnip	Earlysownvegetable crops	Wheat	Gram
Flowering/Pod formation	Sowing/Transplanting	Vegetative/flowering/ fruiting/harvesting	LateSowing	Vegetative
Barley	Mustard		EarlysownWheat	
Vegetative	Vegetative		Germination/crown rootinitiation	

Haryana

Horticulturalcrop	Sugarcane	Gram/Lentil	Rabioilseeds	Wheat
Earlyvegetative	Vegetative	Seedling/early vegetative	Earlyvegetative	Sowing/early vegetative

HimachalPradesh

Wheat	Gram	Summervegetables (Cauliflower,Cabbage inlowandmidhills)	Vegetables (Tomato,brinjal, ladiesfinger)	Barley
Landpreparation/Late sowing	Vegetative	Nurserysowing /Transplanting	Vegetative/flowering /fruiting/harvesting	Landpreparation/ Latesowing
EarlysownWheat	Rapeseedsand Mustard	EarlysownBarley	Radish,Turnip, Carrot	
Germination/Early vegetative/Crownroot initiation/tillering	Vegetative	Germination/Early vegetative/vegetative	Sowing	

Jammu&Kashmir

Vegetablecrops	Toria	Mustard	Gram/FieldPea	Wheat
Early vegetative/vegetative	Vegetative	Flowering/Siliqua formation	Vegetative	Sowing
Brownsarson	EarlysownWheat	Lentil	Pea	
Vegetative	Early vegetative/vegetative	Vegetative	Vegetative	

Punjab

Sugarcane	Rabioilseeds	Gram/Lentil	Horticulturalcrop	Wheat
Vegetative	Earlyvegetative	Vegetative	Earlyvegetative	Sowing/early vegetative

Rajasthan

	Mustard	Wheat	Gram	Barley
	Early vegetative/vegetative	Latesowing	Early vegetative/vegetative	Latesowing
EarlysownBarley		Cumin	EarlysownWheat	
Early vegetative/vegetative		Landpreparation/sowing	Early vegetative/vegetative	

UttarPradesh

Wheat/Barley	Rabipulses	Sugarcane	Earlysown Wheat/Barley	WinterVegetables
Sowing	Vegetative	Harvesting	Seedling	Vegetative
Mango	RabiOilseeds(Rai andMustard)	KharifVegetables	Toria	
Activegrowth/matured tree	Vegetative/flowering	Harvesting	Flowering/Seed formation	

Uttaranchal

Pea	Mango/Litchi	Wheat	Sugarcane	Toria
Pod maturity/Harvesting	Activegrowth	Crownroot initiation/tillering	Maturity/harvesting	Pod formation/Maturity
Potato				
Tubergrowth				

Assam

EarlysownVegetables	Sugarcane	Wheat	Vegetables	Balckgramand Greengram
Vegetative	Canematurity/ harvesting	Crownroot initiation/tillering	Landpreparation/ sowing	Podmaturity

	Arhar	RapeseedandMustard	BoroRice	Pea,Lentiland Potato
	Maturity	Vegetative/flowering	Transplanting	Early vegetative/vegetative

ArunachalPradesh

Mustard	Ginger	Potato	Wheat	Wintervegetables
Earlyvegetative	Vegetative	Earlyvegetative	Crown rootinitiation	Vegetative

Bihar

FruitsandVegetables	Wintervegetables	Wheat	Earlys ownWheat	RabiMaize
EarlyVegetative	Sowing/transplanting	Sowing	Germinationtoearly vegetative	Vegetative/ Flowering
Earlysownfruitsand Vegetables	BoroRice	Potato	RabiOilseeds (Toria,Sarson, Linseed)	RabiPulses(Lentil, Gram,Pea)
Vegetative	Fieldpreparation/ nurserysowing	Earlyvegetative	Vegetative	Vegetative/ flowering

Jharkhand

Rice	RabiMaize	Wheat/EarlysownWheat	Potato
Harvesting	Earlyvegetative/Vegetative	Fieldpreparation,sowing/ Seedling,earlyvegetative	Earlyvegetative
Rabivegetables(Tomato, Cabbage,Cauliflower, Brinjal,Chilli)	Earlyplantedvegetables	Rabipulsesandoilseeds (Gram,masoor,lentil, linseed,oat,mustardand kusum)	Rabipulsesandoilseeds (Arhar)
(Sowing/transplanting- Onion,Pea)	Vegetative	Earlyvegetative	Flowering/pod formation

Sikkim

Orange	Mustard	Rabivegetables	Wheat
---	Vegetative	Vegetative	Early vegetative/vegetative

WestBengal

Bororice	Sugarcane	Wheat	Rapeseedand Mustatrd
Fieldpreparation/ nurserysowing	Canedevelopment	Earlyvegetative/crown rootinitiation/tillering	Vegetative
Gram/Lentil		Potato	
Vegetative		Early vegetative/vegetative	

Chattisgarh

Gram	Vegetables(Tomato, chilli,brinjal)	Sugarcane	Wheat	Linseed,Safflower,
Early vegetative/branching	Vegetative	Canedevelopment	Landpreparationand Sowing	Field preparation/sowing
Mustard	EarlySownLinseed, Safflower,	Potato	EarlysownWheat	Newcrops Sugarcane
Early vegetative/branching	Early vegetative/vegetative	Early vegetative/vegetative	Germination/early vegetative/Crown root initiation/tillering	Planting

Gujarat

Mustard	Wheat	Pre-monsoonirrigated Cotton	Castor	Sugarcane
Vegetative/flowering	Landpreparation/ sowing	Bollformation/picking	Flowering/Pod formation	Maturity/ Harvesting
KharifCotton	EarlySownWheat	SummerRice		
Square/bollformation	Germination/early vegetative/crownroot initiation	Preparationofrice nursery		

Maharashtra

RabiJowar (Madhya Maharashtra, Marathwada& Vidarbha)	Tur (Madhya Maharashtra, Marathwada& Vidarbha)	Irrigated Cotton	Sugarcane (Seasonal)(Madhya Mahrashtra, Marthwadaand Vidarbha)	Rabi Sunflower (Madhya Maharashtra, Marathwada& Vidarbha)
Vegetative/Flagleaf initiation/flowering	Podformation/pod maturity/harvesting	Bollformation/boll maturity/picking	canematurity/ harvesting	Vegetative/Floral budformation

Potato (Madhya Maharashtra, Marathwada& Vidarbha)	Kharifcotton (Madhya Maharashtra, Marathwada& Vidarbha)	Potato (MadhyaMaharashtra, Marathwada& Vidarbha)	Kharifrice (Konkan)	Kharifrice (Vidarbha)
Earlyvegetative/early tuberization	Bollformation/boll maturity/picking	Earlyvegetative/early tuberization	(latevarieties) Harvesting	Grainmaturity/ harvesting
Gram (Madhya Maharashtra, Marathwada& Vidarbha)	Wheat (Madhya Maharashtra, Marathwada& Vidarbha)	Onion (MadhyaMaharashtra, Marathwada& Vidarbha)	EarlysownG ram (Madhya Maharashtra, Marathwada& Vidarbha)	EarlysownWheat (Madhya Maharashtra, Marathwada& Vidarbha)
Branching/Flowering/ podformation(nearly sowncrops)	Germination/seedling/ crownrootinitiation/ tillering	Earlyvegetative/ vegetative(Earlysown crops-bulbformation)	Podformation	Germination/seedling/ crownroot initiation/tillering
Safflower (Madhya Maharashtra, Marathwada& Vidarbha)	Maize (Madhya Maharashtra, Marathwada& Vidarbha)	SugarcanePreseasonal (MadhyaMaharashtra, Marathwada& Vidarbha)	Earlysown Sugarcane Preseasonal (Madhya Maharashtra, Marathwada& Vidarbha)	
Vegetative/flowering	Kneehigh/Tasseling/ Silking	Sprouting/early vegetative	Sprouting/early vegetative	

MadhyaPradesh

Wheat	Mustard	Gram	Masoor	Linseed
Vegetative	Vegetative	Vegetative	Vegetative	Vegetative
IrrigatedWheat				
Earlyvegetative				

Orissa

Vegetables	DaluaRice	Mustard	Pulses	Earlysownpu lses
Flowering/Fruiting/Har vesting	Nursery preparation/sowing	Vegetative/Flowering	Vegetative(Biri/ Mung/Kulthi)	Podmaturity
Sugarcane	RabiGroundnut			
Maturity	Vegetative/flowering			

AndhraPradesh

RabiGroundnut		Gram		RabiMaize
Vegetative		Vegetative		Vegetative

Karnataka

	Sugarcane(Ratoon crop&newcrop)	EarlysownRabi jowar,wheatand maize		
	EndHarvesting	Vegetative		

Kerala

Rubber	Mundakanrice	Pepper		
Tapping	Grainformation	Harvesting		

TamilNadu

Rice(Samba)	Millets	Cotton	Early&mid sugarcane	Oilseeds (Groundnut,)
Vegetative	Vegetative	Vegetative	Harvesting	Vegetative
	Sunflower	Pulses(Blachgram andGreengram)		
	Vegetative	Vegetative		
