

Summary of Agromet Advisory Services for different States of the country Issued by

Agricultural Meteorology Division, India Meteorological Department, Pune, India

Thursday, 5th April, 2007

(For the period 5th April to 9th April, 2007)

The extended version of the bulletin is also available at http://imdagrimet.org

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

Punjab

Weather remained dry in the State during the period and likely to remain dry for next 4-5 days.

Mainly dry weather is likely over the State. Gradual rise in day temperatures over the plains of the State.

Advisories

- As there was no rain during last week and mainly dry condition will prevail for next three days, apply irrigation to summer sunflower, wheat and horticultural crops.
- Weather remained dry in the State during the period and likely to remain dry for next 4-5 days. Current meteorological analysis indicates weakening of prevailing northwesterly strong surface winds and as a result day temperatures are expected to register rise in next 3-4 days. Farmers are advised to take advantage of expected weather and undertake / start harvesting of matured crops.
- Undertake planting of early maturing varieties of sugarcane i.e COJ 64, COH 56 and COH 92 and mid season CO 7717, COH 99 and COS 8436.
- Attack of aphids is reported in wheat. Continue spraying of fentitrothion 50 EC @ 250 ml / ha to control the aphids. Remove loose smut affected earhead so that spores of the fungus do not spread.

Haryana

Weather remained dry in the State during the period and likely to remain dry for next 4-5 days.

Mainly dry weather is likely over the State. Gradual rise in day temperatures over the plains of the State.

Advisories

- As there was no rain during last week and mainly dry conditions will prevail for next three days, apply irrigation to summer sunflower, wheat and horticultural crops.
- Weather remained dry in the State during the period and likely to remain dry for next 4-5 days. Current
 meteorological analysis indicates weakening of prevailing northwesterly strong surface winds and as a result
 day temperatures are expected to register rise in next 3-4 days. Farmers are advised to take advantage of
 expected weather and undertake / start harvesting of matured crops.
- Continue planting of early maturing varieties of sugarcane i.e CO J-64, COH 56 and COH 92 and mid season CO 7717, COH 99 and COS 8436.
- Continue sowing of sunflower.
- Attack of aphids and loose smut is reported in wheat. For controlling aphids, continue spraying of fentitrothion 50 EC @ 250 ml / ha. Remove loose smut affected earhead so that spores of the fungus do not spread.

Rajasthan

Weather remained dry in all divisions of the State.

Mainly dry weather is likely over the State.

Advisories

- Heat wave conditions are likely to prevail over south Rajasthan during next 48 hours. As the crops are at harvesting stage, crop damage will be lesser. Arrange immediately for harvesting of the matured crop of wheat.
- Continue harvesting of matured crops of cumin, gram, mustard and barley.
- This is proper time for sowing of cotton and zaide fodder in irrigated areas.

Uttar Pradesh

Heat wave conditions prevailed over some parts of the State on 2nd April and abated from the State on 3rd & 4th April. Weather was dry in all divisions of the State.

Mainly dry weather is likely over the State. Gradual rise in day temperatures over the plains of west U.P. No significant change in day temperatures in East U.P.

Advisories

- As mainly dry condition prevailed in most of the districts of the State and mainly dry weather is likely over the State for the next three days, apply irrigation to wheat in grain formation stage and winter vegetable crops (onion).
- Monitor the violet spot in onion. To control the disease spray the solution of Mancozeb 0.2% @ 2 g / liter of water if damage exceeds ETL.
- The blossoming in mango by 30-45 cm in length affected with malformation disease and to control Bhunga insect, spray the solution of Monocrotophos 1 ml / litre of water or Dimethoate 1.6 ml / litre of water and to control Black rotten disease or internal rotten disease in mango, spray the solution of Barex 0.6 % @ 6 g / litre in water.
- Harvesting of winter vegetables and sugarcane may be continued as dry condition will prevail for next three days.
- Continue the sowing of summer urad, moong, maize, sunflower and sugarcane.

Himachal Pradesh

Mainly dry weather is likely over the State.

Advisories

- As there was no rain during last week over the state and weather will be mainly dry for next three days, apply irrigation to vegetables, wheat, barley, gram and onion.
- Continue land preparation and nursery sowing and transplanting of cauliflower and cabbage in low and mid hills and sowing of bhindi.
- There is mild chance of attack of powdery mildew in vegetables. If attack crosses economic threshold level, spray carbendazime 0.5 % to control the disease.
- There is mild chance of attack of pod borer in gram. If attack crosses economic threshold level, spray Monocrotophos (Monocil 36 EC/SL) or Carbaryl 50 WP (Sevin) @ 875 ml or Endosulfan 35 EC (Thiodan/Hindon/Endocel) @ 1250 ml in 625 litres of water per ha. Spraying can be repeated at 15 days interval, if the pest still persists.
- There is mild chance of attack of purple blotch disease in onion. If attack crosses economic threshold level, spray mancozeb 0.25 % to control the disease.

Uttarakhand

Mainly dry weather prevailed during the period. Sky remained mainly clear to partly cloudy during the period.

Mainly dry weather is likely over the region. Gradual rise in day temperatures over the plains.

Advisories

- Mainly dry weather occurred during last week and likely to continue for next three days over the region. Apply light irrigation to mango, potato and wheat.
- Field preparation and sowing / ratooning of sugarcane may be continued.
- Undertake chemical control for mango and litchi as dry weather expected. Maintain cleanliness in the orchards.
- Monitor crop for smut disease and for zinc deficiency in wheat.
- Undertake mulching to conserve soil moisture and to prevent weeds in apple.

Jammu & Kashmir

Light to moderate rain occurred at a few places on 2nd April. Weather remained mainly dry for rest of the days over J & K State.

Isolated rain thundershowers are likely over J & K on 7th and 8th April.

Advisories

- Rouge out loose smut and flag smut affected wheat and barley crops in Jammu and destroy them completely
 to prevent further spread.
- Continue harvesting the matured crops of mustard, gram, lentil and pea in Jammu division.
- Continue land preparation and sowing of *summer* mash and moong in Jammu division. Sowing of *summer* vegetable crops should be completed without any further delay. Transplanting of tomato, brinjal and chillies from nursery to field area may be undertaken during this period.

Delhi

Weather remained mainly dry.

Mainly dry weather is likely over the state. Gradual rise in day temperatures over the state.

Advisories

- As there was no significant rainfall during last week over the State and mainly dry weather is likely for next three days, apply irrigation to vegetables and wheat.
- Prepare land and perform sowing of radish. Use Pusa Chetki variety for sowing.
- Monitor red pumpkin beetle in cucurbits and if attack exceeds economic threshold level, spray carbaryl 50% WP @ 750 1000 gms / ha.

Southern Region (AP, Tamilnadu, Karnataka and Kerala)

Kerala

Rain / thundershowers occurred at a few places on 2nd April and at isolated places on 3rd April. Dry weather prevailed on 4th April.

Isolated rain/thundershowers are likely over Kerala.

- Apply irrigation to plantation crops viz., coconut, arecanut, rubber and banana as there was no significant
 rainfall during last few weeks and rain / thundershower is likely to occur only at isolated places for the next
 three days over the state.
- Maintain 4-5 cm standing water in the *puncha* rice field.
- Attack of leaf folder, stem borer, brown plant hopper, rice bug and gall midge and blast and blight diseases is

reported in *puncha* rice. Spray Carbaryl 50% @ 2 kg / ha to control stem borer, leaf folder, brown plant hopper and gall midge. Spray Carbendazim @ 1 g / litre of water to control blast and blight diseases diseases. As a prophylactic measure against rice bug, keep the fields and bunds free of weeds. If severe attack is found, spray malathion 50 EC @ 2 ml per lit.

- Attack of powdery mildew is reported in rubber. Spray Wettable sulphur @ 0.2% or Carbendazim @ 0.05% to control the disease.
- Attack of pseudostem weevil is reported in banana. In endemic area, first remove the outer sheath of all infested and uninfested plants and spray Quinalphos @ 0.05% or Chlorpyriphos @ 0.03% or Carbaryl @ 0.2%. Spraying / drenching may be done on leaf axils, rhizome, surrounding soil and all the bore holes of pseudo stem made by larvae. Repeat the treatment after three weeks if infestation persists.
- Attack of spindle bug is reported in arecanut. Spray Carbaryl @ 4 g / litre of water to control the pest.
- Attack of coried bug and leaf rot is reported in coconut. Spray Sevin @ 4 g / litre of water to control coried bug. Spray crowns and leaves with 1% Bordeaux mixture or 0.5% Copper Oxy Chloride formulation or 0.4% Mancozeb to control leaf rot. In the leaf rot affected plants, remove the rotten portions from spear and two adjacent leaves and pour 300 ml fungicidal solution at the base of the spear which can be prepared by mixing Hexaconazole 5 EC @ 2 ml or Mancozeb @ 3 gm in 300 ml of water.
- Protect the plantation crops from scorching by applying lime.

Tamilnadu

Rainfall occurred at one or two places over the State on 2nd April, at South Tamilnadu on 4th April, dry weather prevailed over North Tamilnadu on 4th April and over the State on 3rd April.

Isolated rain / thundershowers are likely over south Tamil Nadu. Mainly dry weather is likely over rest region of the State.

Advisories

- Apply irrigation to rice, millets, sunflower, maize, sugarcane, pulses, cotton and groundnut as there was no significant rainfall for the past few weeks and mainly dry weather is likely to prevail over the State for the next three days.
- Undertake intercultural operations to keep the field weed free and application of fertilizers in groundnut, cotton and sunflower.
- Monitor rice for stem borer and mealy bug and if the pest population crosses ETL, spray Methyl Parathion 50 EC @ 350 ml / ha to control stem borer and spray Dimecron 100 EC @ 0.5 ml / litre of water to control mealy bug.
- Monitor groundnut for aphids and if the pest population crosses ETL, spray Dimecron 100 EC or Metasystox 25 EC @ 1 ml / litre of water to control the pest.
- Continue land preparation and sowing of *summer* gingelly. Adopt 5 kg / ha seed rate for sowing. Apply M.N. mixture or Manganese Sulphate @ 5 kg / ha after sowing.

Karnataka

Rainfall occurred at isolated places over South Interior Karnataka and dry weather prevailed over Coastal Karnataka and North Interior Karnataka on 2nd April. Rainfall occurred at isolated places over North Interior Karnataka and dry weather prevailed over South Interior Karnataka and Coastal Karnataka on 3rd April. Rainfall occurred at isolated places over Coastal Karnataka and North Interior Karnataka and dry weather prevailed over South Interior Karnataka on 4th April.

Mainly dry weather is likely over the State.

Advisories

• Apply irrigation to summer groundnut, sunflower, sugarcane and rice as there was no significant rainfall during last few weeks and mainly dry weather is likely over the state for the next three days.

- Monitor rice for leaf roller, stem borer and thrips and if the pest population crosses ETL, spray Methyl parathion 50 EC @ 350 ml / ha to control stem borer. Spray Dimecron 100 EC @ 0.5 ml / litre of water to control thrips and leaf roller.
- Monitor groundnut for leaf miner and if the pest population crosses ETL, spray Methyl Demeton @ 0.02%. Apply gypsum @ 200 kg / ha as the crop is now at pegging stage.

Andhra Pradesh

Isolated rain occurred over Rayalaseema on 3rd April and coastal Andhra Pradesh on 4th April. Dry weather prevailed over the State during the rest of the period.

Mainly dry weather is likely over the State.

Advisories

- Attack of Brown Plant Hopper is noticed in rice. Incidence of stem rot and sheath blight is noticed in East Godavari district. Incidence of blast is noticed in Nellore, Prakasm, East Godawari, West Godawari, Guntur and Nizamabad districts. Avoid spraying as the crop is now at maturity stage.
- Continue harvesting of matured crops of groundnut and red gram.

Eastern Region (Assam, Arunachal Pradesh, Bihar, Jharkhand, Sikkim, West Bengal)

Assam

Light to Moderate rain occurred at few places on 2nd & 3rd and light rain on 4th April over the state.

Scattered rain / thundershowers are likely over the State.

- Maintain 3 5 cm water in the *boro* rice field.
- Mild incidence of Brown Plant Hopper, Yellow stem borer and blast and sheath blight diseases in *boro* rice is reported in a few localities.
- Monitor attack of Brown Plant Hopper and blast and sheath blight diseases in *boro* rice. If attack crosses economic threshold level, to control Brown Plant Hopper insecticides like Chloropyriphos 20 E.C. @ 1.5 ml per litre of water or Phosphamidon @ 1ml per litre of water is to be applied. For control of Blast diseases as soon as 1 or 2 spots on leaf are seen Hinosan 50 E.C. @ 1ml per litre of water or Blitox @ 4gm per litre of water is to be applied and spraying is to be continued at an interval of 10-15 days till the diseases is controlled. For control of sheath blight diseases Carbendazim (Bavistin) @ 0.5 gm per litre of water is to be applied.
- To control rat in wheat field use Celphos / Quickphos tablet (1 or 2 per hole) or prepare poison bait using 80 gm Atta / Crushed Maize, 5gm Gur, 5 gm Dry fish and 5 gm Zinc Phosphate.
- Apply plant protection measures on a non-rainy day.
- Harvest already matured crops of wheat on bright sunny days. Wheat is ready for harvest when grain will produce cracking sound while pressed between teeth.
- Prepare land and continue sowing of summer vegetables like ladies finger, ridge gourd, cucumber etc., transplanting of early *ahu* rice and sowing of jute and maize.
- Field should be prepared well for transplanting of early ahu rice and well rotten FYM or compost manure has to be applied @ 1.5 tonnes per bigha in addition to Urea @ 12 Kg, single super phosphate @ 18 Kg & MOP @ 3 Kg per bigha. The roots of uprooted seedlings are to be washed and dipped in 0.02% solution of chloriphos 40 E.C @ 1 ml per litre of water along with 1% Urea for 3 hours as a protective measure against Stem borer, Gall midge and plant hoppers. Maintain 2 3 cm water in the field 2 3 days after transplanting.
- Plough land and ladder 5 -6 times to obtain a fine seed bed for sowing of jute. In termite and cricket infested field the soil is to be treated with Malathion 5% dust @ 30 kg per hectare. Use seeds of varieties JRC 212, 321, 7447 etc. for sowing.
- Well drained soil is suitable for Maize cultivation. Apply Compost @ 1 tonne along with Urea @ 18 kg, SSP

@ 33 kg and MOP @ 9 kg per bigha at the time of land preparation for sowing of maize. Use seeds of varieties Ganga-5, Hi- Starch, Campo – NLD, Naviot etc. for sowing.

Arunachal Pradesh

Rain / thundershower occurred at most places on 4th April, at many places on 3rd April and at a few places on 2nd April.

Scattered rain / thundershowers are likely over the state.

Advisories

- As there is no significant rain over the State during last week, apply irrigation to summer vegetables, millet, maize, *jhum* paddy and ginger.
- Harvest the matured crops of wheat on bright sunny days.
- Land should be thoroughly prepared and final puddling should be done 4 − 5 days before transplanting of WRC rice.

Bihar

Weather was dry.

Mainly dry weather is likely over the State. No significant change in day temperature.

Advisories

- As there was no significant rainfall for last few weeks over the State and mainly dry weather is likely for next three days, apply irrigation to vegetables, maize, green gram and sesamum.
- If onion crop is affected due to thrips insect and purple blotch disease and tips are burning, spray Acephate @ 800 g / ha and companion @ 2 kg / ha with sticker.
- Maintain 3–5 cm water in the *boro* rice field.
- In mango, if fruits have formed give frequent irrigation and spray insecticides / fungicides with planifix.

Iharkhand

Weather remained mainly dry.

Mainly dry weather is likely over the State.

Advisories

- Mainly dry weather prevailed in the State during last week and mainly dry weather is likely for next three days. Under the circumstances, apply irrigation to late sown wheat, mango and litchi.
- Maintain 3 5 cm water in the *boro* rice field.
- Maintain regular irrigation in mango and litchi. To protect the fall of litchi fruits, planofix harmone @ 4 ml / litre water should be sprayed.

Sikkim

Moderate to nearly heavy rain occurred at most places on 4th April and moderate rain occurred at many places on 3rd April. Light rain occurred on 1st April over East Sikkim. No rain occurred on 29th to 31st March and 2nd April. Rainfall was excess during the period.

Isolated rain/ thundershowers are likely over the state. No significant change in day temperatures.

Advisories

• As there was excess rain in the State during last week and isolated rain is expected, postpone irrigation to the

crop.

- Continue harvesting of matured crops of wheat and mustard on bright sunny days. Wheat is ready for harvest when grain will produce cracking sound while pressed between teeth.
- Monitor large cardamom for stem borer and if the pest population crosses ETL, spray Endosulfan 35 EC @ 1 ml / litre of water to control the pest. Chirkey and Foorkey affected plants may be destroyed by burning.
- Continue land preparation and sowing of maize and ginger. Pre treated healthy and certified seeds of ginger, preferably rhizome weighing 50-60gms and having 2-3 eyes to be selected for sowing.

West Bengal

During the said period very light to light rain occurred at isolated places on 2nd, very light to light rain at many places along with moderate to rather heavy rain at a few places on 3rd, light rain along with moderate to rather heavy rain at isolated places occurred on 4th April over the districts of Sub Himalyan West Bengal. Weather was mainly dry over rest of the state.

Isolated rain / thundershowers are likely over the State. No significant change in day temperatures.

Advisories

- As there was no significant rain in the State during last few weeks and isolated rain / thundershowers are likely for next three days, apply irrigation to sugarcane, sesamum, groundnut and green gram crops.
- Continue harvesting of matured crops of wheat on bright sunny days. Wheat is ready for harvest when grain will produce cracking sound while pressed between teeth.
- Apply second split dose of 25 30 kg N / ha at 6 weeks after transplanting of *boro* rice. Maintain 3 5 cm water in the field after 2 3 days of application of fertilizer.
- No supplementary fertilizer dose of N is required if sesame is sown after harvesting of potato crop. Otherwise apply 12.5 kg N per ha at 25 30 days after sowing.
- Prepare land and continue planting of sugarcane. Select early maturing varieties (10 months) form C.O.J. 7218, C.O. 62197, C.O. 87263 and medium maturing varieties (10 12 months) form B.O.91, C.O. 62033, C.O. 7202, C.O. 7224, C.O. 1148, C.O. 87268, C.O.S. 776 etc. for planting of sugarcane. Sett rate is 50 62.5 q / ha. Use top 1/3rd portion of the cane as a seed for best germination. Soak in water for 24 hours for better sprouting. Treat the seed in 100 gm Mithoxy Ethyl Mercuric chloride per 40 litres of water for 20 minutes and then dry in shade. Alternatively you can treat the seeds by Carbendazim 50%@ 1 gm / litre of water.
- Prepare land for sowing of jute in North Bengal. Apply compost manure @ 7.5 12.5 tonnes / ha. Apply N, P₂O₅ and K₂O each @ 25 kg / ha also before last land preparation. Select improved variety from Shyamali, Sonali & Sobujsona etc. for *C. capsularis* and Chaitali, Basudev, Baisakhi, Nabin etc. for *C. olitorius* for sowing. Seed rate is 7.5 kg per ha for *C. capsularis* and 5 kg per ha for *C. olitorius*. Seeds may be treated with 1 gm carbendazime per kg of seeds before sowing.

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

Gujarat

Hot day conditions prevailed in parts of Coastal Saurashtra on 2nd April & in Coastal Saurashtra, Kutch on 3rd April.

Mainly dry weather is likely over the state. Heat Wave conditions are likely over some parts of Gujarat during next 48 hours.

- As there was no rain during last few weeks in the State and mainly dry weather will prevail along with the probability of Heat Wave condition in some parts of the State which may cause higher evapotranspiration loss from the crops for next three days, apply irrigation to new sugarcane crop, summer groundnut and summer bajra to bring the soil moisture to field capacity.
- Maintain 3 5 cm water in the rice field. Apply 30 kg N / ha as a supplementary dose to the crop at tillering stage. Water may be drained out before fertilizer application & maintain water level after 2 days.

- Apply 75 kg N / ha as top dressing at 45 days after planting of new sugarcane crop. For saving of 25% Nitrogen fertilizer apply 2 kg Bio fertilizer azetobactor mixed with 100 kg FYM / ha in furrows at an interval of 30 & 60 days from sowing.
- If groundnut appears yellowish spray mixture of 100 gm ferrous sulphate + 10 gm citric acid (lemon arc) dissolved in 10 liters of water and spray over the crop in 500 liters of water.
- Apply 60 kg N as a supplementary dose to summer bajra.
- Continue harvesting of Castor and Wheat.

Chhattisgarh

Weather remained dry over the state.

Mainly dry weather is likely over the State. Gradual rise in day temperatures over the State.

Advisories

- As there was no rain during last few weeks in the State and mainly dry weather will prevail along with the
 probability of increase in temperature which may cause higher evapotranspiration loss from the crops for next
 three days, apply irrigation to new sugarcane crop, vegetables, sunflower, summer groundnut, sesamum and
 green gram crops.
- Maintain 3 5 cm water in summer rice field.
- Apply 75 kg N / ha as top dressing at 45 days after planting of sugarcane.
- Apply 30 kg Nitrogen / ha after 25 30 days from sowing of sunflower.
- Apply 15 kg Nitrogen / ha after 25 30 days from sowing of sesamum.

Maharashtra

Mainly dry weather prevailed all over the State.

Mainly dry weather will prevail all over the state. Gradual rise in day temperatures in Vidarbha.

- As there was no rain during last few weeks in the State and mainly dry weather will prevail along with the probability of increase in temperature in North Marathwada and Vidarbha which may cause higher evapotranspiration loss from the crops for next three days, apply irrigation to sugarcane (Pre-seasonal), summer groundnut, summer sunflower, summer bajra, summer maize and sugarcane (Suru).
- Apply 140 kg Nitrogen / ha along with 85 kg each of P₂O₅ and K₂O at the time of earthing up in sugarcane (Pre-seasonal).
- Undertake intercultural operation wherever summer groundnut crops are at flowering stage (within 6 weeks of sowing) to keep the field weed free.
- Maintain 3 5 cm water in summer rice field. Second dose of 40 kg Nitrogen / ha may be applied after 30 days from transplanting. Use 1 kg Neem cake powder in 6 kg urea at the time of above application. Water may be drained out before fertilizer application & maintain water level after 2 days.
- To increase pollination at flowering stage, hand covered with woolen cloth may be moved 3 to 5 times on floral disc of summer sunflower smoothly early in the morning.
- Second dose of 100 kg Nitrogen / ha may be applied after 6 to 8 weeks from transplanting of sugarcane (Suru). Use 1 kg Neem cake powder with 6 kg Urea at the time of application.
- Mild incidence of sap sucking insects and tikka disease in Latur in summer groundnut is reported.
- Monitor summer groundnut for sap sucking insects and if exceeds economic threshold level, spray Chlorpyriphos or Rogor @ 15 ml in 10 liters of water. Use 500 liters of above solution for spraying one hectare of land.

 Monitor summer groundnut for tikka disease and if exceeds economic threshold level, spray Carbendazim (Bavistin) @ 5 gm or Tridemorf @ 7 ml in 10 liters water. Use 500 liters above solution for spraying one hectare of land.

Madhya Pradesh

Heat wave condition prevailed in parts of North M.P. on 2nd April. Dry weather prevailed over the State.

Mainly dry weather is likely over the State. Gradual rise in day temperatures over the State.

Advisories

- As dry weather prevailed over the State during last week and mainly dry weather is likely for next three days, apply irrigation to pulse crops.
- Continue harvesting of matured crop of irrigated wheat.
- Continue land preparation and sowing / planting of *summer* moong and sugarcane. Undertake seed treatment with *Rhizobium* before sowing of moong.
- Do set treatment with *Azospirillum* before planting sugarcane.

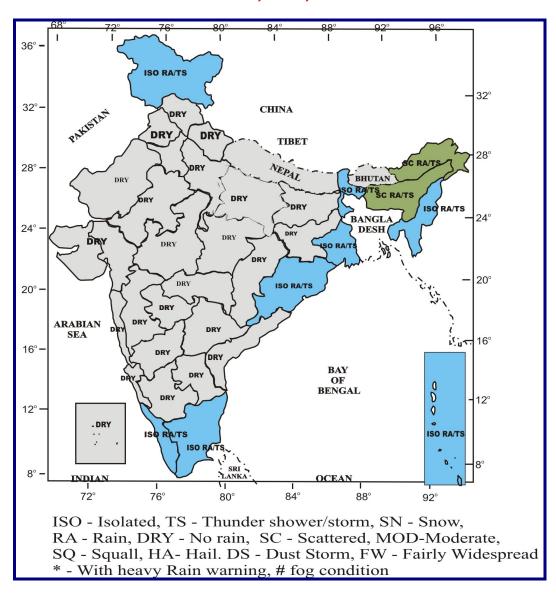
Orissa

Weather was dry during the whole period.

Isolated rain / thundershowers are likely over the State.

- Weather was dry over the State during last week. Mainly dry weather with isolated rain / thunder showers are likely over the State for next three days. Under the circumstances, apply irrigation to vegetables, sugarcane and pulses.
- Continue sowing of summer moong with basal application of 8 kg N, 16 kg P₂O₅ and 8 kg K₂O / acre.
- The prevailing weather conditions may favour the infestation of Spodoptera in summer pulse crop. To manage the pest, spray Chloropyriphos @ 2 ml per litre of water. To control the Yellow vein mosaic spray methyl demeton @ 2 ml per litre of water.

Forecast Map Valid upto 8st April 07



Salient weather features for the week ending 05/04/07

METEOROLOGICAL ANALYSIS

- A western disturbance as an upper air system lay over north Pakistan and neighbourhood on 31st March. It lay over Jammu & Kashmir and adjoining north Pakistan on 1st April and moved away eastward on 2nd April.
- Another feeble western disturbance as an upper air system lay over north Pakistan and adjoining Jammu & Kashmir on 4th April.
- Strong northwesterly winds at lower tropospheric levels prevailed over northwest India and adjoining east India during 2nd to 4th April
- An upper air trough ran from Sub-Himalayan West Bengal & Sikkim to north Chhattisgarh extending upto 1.5 km a.s.l. on 31st March. It ran from Sub-Himalayan West Bengal & Sikkim to north Orissa on 1st April and from Sub-Himalayan West Bengal & Sikkim to north Bay of Bengal during 2nd to 4th April.
- A trough in the easterlies at lower tropospheric levels ran across south Peninsula during 31st March to 4th April.

RAINFALL

Under the influence of the above systems

- Light rain/thundershowers occurred at a few places over Jammu & Kashmir on 2nd April.
- Isolated to scattered rain/thundershowers occurred over Sub-Himalayan West Bengal & Sikkim and northeastern States during 1st to 4th April.
- Isolated rain/thundershowers occurred over Nicobar Islands on 1st and over extreme south peninsula during 1st to 4th April.
- Mainly dry weather prevailed over the remaining parts of the country during the week.

MINIMUM TEMPERATURES

- The minimum temperatures over northwest India were above normal by 2-4 °C during 29th March to 2nd April and were below normal by 2-3 °C thereafter.
- They were above normal by 2-7 °C during 29th March to 2nd April and normal thereafter over west India.
- They were above normal by 2-4 °C over central India during 30th March to 3rd April, over east India on 2nd & 3rd April and over northeast India during 31st March to 4th April. They were normal over these regions during remaining days of the week.
- They were generally normal over south India throughout the week.

MAXIMUM TEMPERATURES

- Heat wave conditions prevailed over some parts of Gujarat during 29-30th March, over Rajasthan during 29th −31st March, over some parts of West Madhya Pradesh on 30th March to 1st April, over north Maharashtra during 30th −31st March and over Haryana, Delhi and East Uttar Pradesh on 31st. The maximum temperatures were above normal by 2-4 °C over remaining parts of northwest, west and central India during 29th March to 1st April. While they were normal over northwest India, they were above normal by 2-4 °C over many parts of west and central India thereafter.
- They were above normal by 2-4 °C over east and northeast India during many days of the week.
- They were normal during first half of the week and above normal by 2-4 °C during second over south India.

RAINFALL DURING THE WEEK (FOR THE WEEK ENDING ON 4TH APRIL, 2007)

Rainfall was excess/normal in 1, deficient/scanty in 11 and no rain in 24 out of 36 meteorological subdivisions (Actual: 1.7 mm, Normal: 7.1 mm and Departure: -76%).

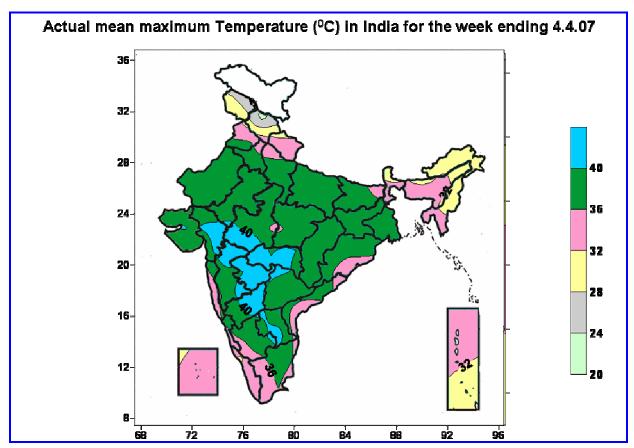
CUMULATIVE SEASONAL RAINFALL (1ST MARCH TO 4TH APRIL, 2007)

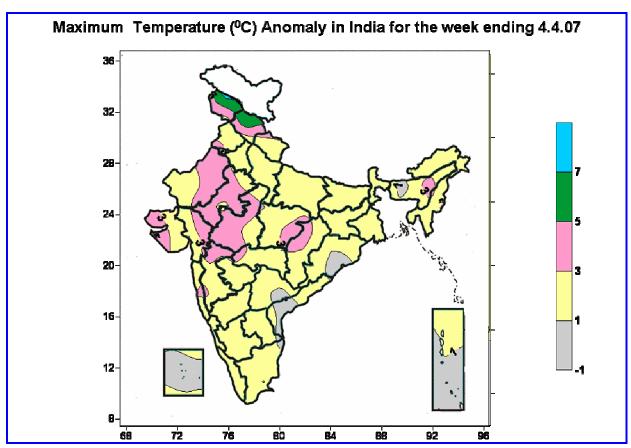
Rainfall was excess/normal in 12, deficient/scanty in 21 and no rain in 3 out of 36 meteorological sub-divisions. (Actual: 35.9 mm, Normal: 35.4 mm and Departure: +2%).

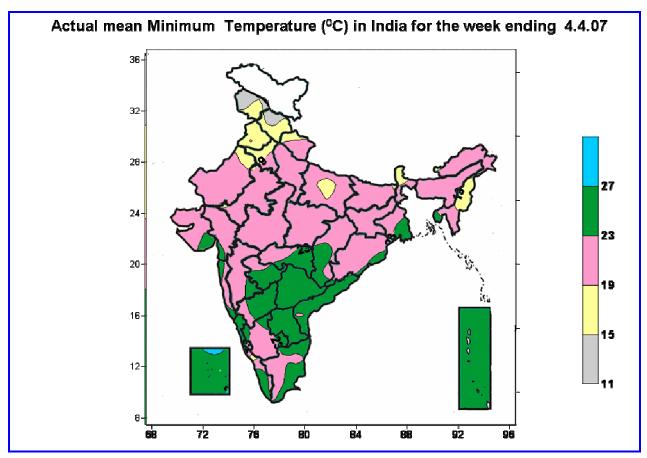
OUTLOOK FOR THE WEEK ENDING ON 11TH APRIL, 2007.

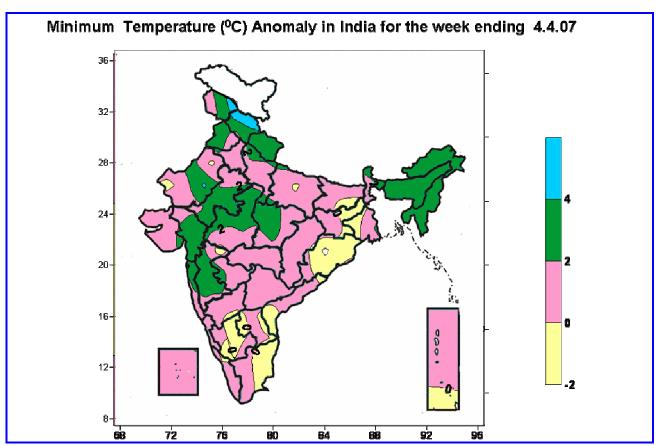
- Isolated to scattered rainfall activity over northeastern States during first half of the week and increase thereafter.
- Increase in rainfall activity over south peninsula during first half of the week.
- Gradual rise in day temperatures over northwest and east India.

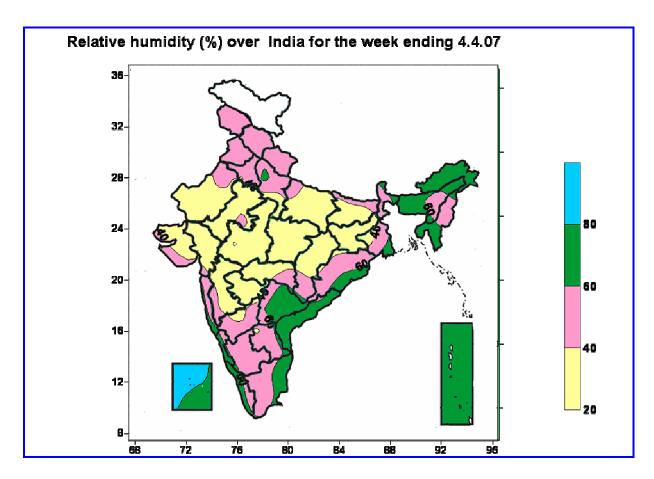
Contour maps for the week ending 4th April, 2007

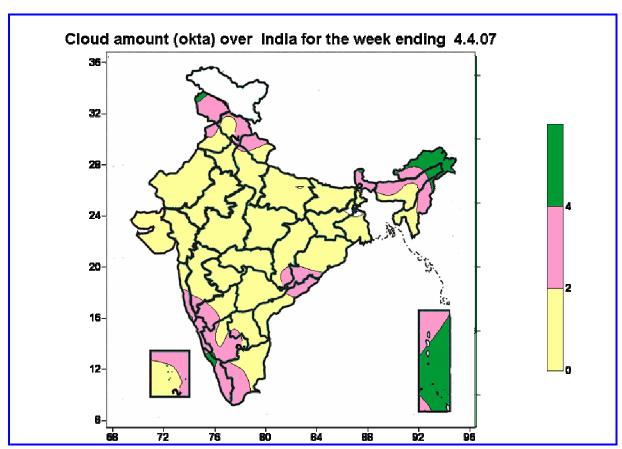


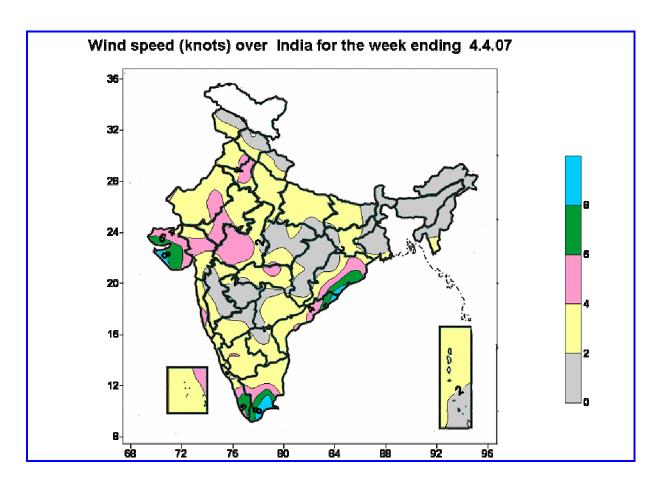














Rainfall (mm)							
Station Name	29.03.07	30.03.07	31.03.07	01.04.07	02.04.07	03.04.07	04.04.07
Amritsar							
Barmer							
Sriganganagar							
Jaisalmer				Nil			
Kota							
Deesa							
Churu							

Temperature (degree Celcius)							
Station Name	29.03.07	30.03.07	31.03.07	01.04.07	02.04.07	03.04.07	04.04.07
Amritsar	23.5	25.0	25.5	25.0	23.5	22.5	22.0
Barmer	20.5	31.5	30.0	-	27.5	28.0	28.5
Sriganganagar	-	-	29.0	-	25.5	23.5	26.5
Jaisalmer	30.0	30.0	29.5	-	26.5	26.0	-
Kota	29.5	31.0	33.0	-	33.0	30.0	-
Deesa	31.0	32.0	31.5	32.0	-	28.0	28.5
Churu	-	-	-	-	-	-	-

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

CROP - STATE - STAGE

Delhi

		Delhi		
Barley	Vegetables (Brinjal, Chilly, Cauliflower and cabbage, raddish, carrot,and turnip	Early sown vegetable crops Vegetative/ flowering/	Wheat Milk / dough /	Gram Pod maturity /
Maturity / harvesting Sowing		fruiting/ harvesting	maturity	harvesting
	Sowing	Haryana	maturity	nai vesting
Early sown Sugarcane	New Sugarcane	Gram /Lentil	Rabi oilseeds	Wheat
				Grain formation /
Vegetative	Sowing	Maturity	Maturity	milking
Summer Sunflower	Horticultural crop			
Early vegetative	Vegetative			
	T	Himachal Pradesh		T
Wheat	Gram	Summer vegetables (Cauliflower, Cabbage in low and mid hills)	Vegetables (Tomato, brinjal, ladies finger)	Barley
Flowering / milk	Pod formation	Nursery sowing /Transplanting	Vegetative/flowering / fruiting / harvesting	Flowering / grain formation
Onion	Rape seeds and Mustard	Fruit plants		
Bulb formation	Pod maturity	Prune		
	T	Jammu & Kashmir		T
Vegetable crops	Brown Sarson	Wheat / Barley (in Kashmir division)	Pea/Lentil/ Mustard	Wheat / Barley (in Jammu)
Fruiting/ Harvesting (in Jammu Division) Vegetative- in Kashmir Division	Seed formation – in Kashmir Division	Flowering	Harvesting	Grain development
Fruit crops	Summer mash and moong			
Plantation	Sowing (Jammu div.)			
		Punjab		
Sugarcane	Early sown Sugarcane	Gram/Lentil	Horticultural crop	Wheat
Sowing	Vegetative	Maturity	Vegetative	Grain formation / Milking
Toria	Summer Sunflower	Rabi oilseeds	Summer Vegetables	
Harvesting	Early vegetative	Maturity	Field preparation	
N/ / 1	****	Rajasthan	C	n ı
Mustard	Wheat	Cumin	Gram Pod harvesting	Barley
Harvesting Zaide Moong, Zaide	Grain maturity	Harvesting	Pou nai vesting	Harvesting
Fodder, Cotton				
Sowing				
		Uttar Pradesh	1	1
Wheat / Barley	Rabi Pulses	Sugarcane	Summer Sugarcane	Winter Vegetables
Maturity (early varieties) Grain formation (late varieties)	Harvesting / Sowing (Moong,Urad)	Sowing	Field preparation	Flowering/harvesting
Rabi Oilseeds(Rai and Mustard)	Early sown Summer Sunflower	Summer Sunflower	Early sown Summer Vegetables	Summer Vegetables
Harvesting	Seedling /early vegetative	Sowing	Seedling/ early vegetative	Sowing
Mango				
Fruit setting				
	T	Uttarakhand		
New crop Potato Germination/Vegetative growth	Mango/Litchi/ Apple Flowering	Wheat Flowering / milky / dough	Sugarcane Sowing and ratooning	Potato Germination / vegetative growth
		Assam	<u> </u>	
Summer vegetables	Sugarcane	Wheat	Boro Rice	Early sown <i>Ahu</i> rice
~ .		1	· - · · · · · · · · · · · · · · · · · ·	

Maturity / harvesting

Dough / maturity

Early vegetative

Sowing

Harvesting

I	T.	arly Summer					
Ahu rice	vegetables		Jute		Maize		
Transplanting	Germination/ early vegetative / vegetative		Land preparation/ Sowing		Land preparation/ Sowing		
			Arunachal P				
Mustard	Ginger		Pot	tato	Wheat		ummer vegetables
Maturity / harvesting	Vegetative		Harvesting		Harvesting		Germination / early vegetative / vegetative
WRC Rice	Foxtail millet		Jhum Paddy		Maize		
Land preparation / transplanting		mination / early ative / vegetative	Germination / early vegetative / vegetative		Germination / eavegetative / vegetative	arly	
			Bihar		vegetative	L	
Summer Vegetables/ Fruit crops	Boro	Summer Rice	Wheat		Potato		Rabi Maize
Vegetative	Till	ering / panicle initiation	Harv	esting	Harvesting		Maturity
Early sown Summer Maize	Su	mmer Maize	Sesa	mum	Green Gran	1	
Early vegetative / vegetative		Sowing	Vegetative / flowering		Vegetative		
			Jharkha	nd			
Boro rice		Rabi Ma	aize		heat E		ly sown wheat
Early vegetative/tilleri		Maturi	ty	Milking / gra	ain development		Harvesting
Rabi vegetables (Toma Cabbage, Cauliflower Brinjal, Chilli)			getables				Potato
Harvesting		Sowing					ber Maturity
Maize /Ginger		Mustard	Sikkim		Wheat L		Large Cardomom
Sowing		Harvesting	Summer vegetables Sowing		Harvesting		Flowering
Orange		sown vegetables	Sowing		Tiai vesting		Howering
Flowering		rly vegetative					
		, ,	West Ben	ıgal	I		
Boro rice		Wheat	Sesamum		Groundnut		Green gram
Tillering/Panicle initiation / flowering / grain formation		Harvesting	Early vegetative / vegetative / flowering / pod formation		Early vegetative vegetative	re / I	Early vegetative / vegetative
New Crop Sugarcane	Early	sown Sugarcane	Early sown Sesamum		Jute		
		routing/Early	Germination/Early		Land preparation	on /	
Planting		ative/Vegetative	vegetative		sowing		
•			Chattisga				
Gram, Mustard		tables (Tomato, nilli, brinjal)	Green Gram		Sugarcane		Wheat
Harvesting		ting / harvesting	Vegetative / flowering		Sprouting/Early vegetative/vegetative		Harvesting
Sunflower, Groundnut	Sum	mer sesamum	Summer Vegetables		Summer rice Tillering / panicle		Linseed
Vegetative / flowering	Vegetative / flowering		Vegetative		initiation		Harvesting
T			Gujara	at		1	
Kharif Cotton	Wheat		Rice		Castor		Summer Bajra
Picking	Harvesting		Tillering		Harvesting		Tillering
Mustard	Summer Groundnut		New Sugarcane				
Harvesting		Vegetative		tative			
Sugarcane Preseasonal (Madhya Maharashtra, Marathwada & Vidarbha)	Summer Maize (Madhya Maharashtra, Marathwada & Vidarbha)		Maharashtra Sugarcane (Suru) (Madhya Mahrashtra, Marthwada and Vidarbha)		Summer Sunflower (Madhya Maharashtra, Marathwada & Vidarbha)		Summer Bajra (Madhya Maharashtra, Marathwada & Vidarbha)
Early vegetative/active growth		ative / Tasseling / g / cob formation	Sprouting/Early vegetative		Vegetative / floral bud formation (flowering in Latur and Amravati)		Vegetative / flag leaf litiation (flowering in Nasik)

Summer Groundnut (Madhya Maharashtra, Marathwada, Vidarbha & Konkan) Flowering / pegging (Pegging / pod	Summer Rice (Konkan, Vidarbha & Kolhapur dist.) Early tillering / tillering - in Vidarbha. Tillering / flag leaf initiation in							
formation in Thane, Raigad & Ratnagiri &	Kolhapur . Flag leaf initiation in Thane, Raigad,							
pod formation / pod	& Ratnagiri dist.							
maturity in Sindhudurga district)	Flowering / panicle initation in Sindhudurg							
	dist.	Madhya Pradesh						
Irrigated Wheat	Summer moong and sugarcane							
Harvesting	Sowing / planting							
		Orissa						
Vegetables	Dalua Rice	Mustard	Pulses	Summer pulses				
Flowering / Fruiting / Harvesting	Tillering / panicle initiation / flowering	Pod maturity/Harvestin	Pod formation Matuirty	Germination/Early vegetative				
Early sown Sugarcane	Sugarcane	Rabi Groundnut						
Harvesting Vegetative Pod maturity/Harvesting								
D.I.C. I.		Andhra Pradesh						
Rabi Groundnut	Rabi red gram	Rabi rice						
Pod harvesting	Pod harvesting	Grain maturity Karnataka						
Sugarcane (Ratoon crop)	Sunflower	Summer groundnut	Summer rice					
Vegetative	Budding	Pegging	Tillering					
		Kerala						
Rubber	Puncha rice							
Tapping	Flowering / milk							
Tamil Nadu								
Rice (Navarai)	Early planted Sugarcane	Cotton	Rice fallow Pulses (Blach gram and Green gram)	Oilseeds (Groundnut)				
Flowering	Vegetative	Vegetative	Pod formation / maturity	Vegetative				
Sunflower	Summer gingelly/ Maize	Early sown Summer gingelly /Maize	, and the second					