



# Summary of Agromet Advisory Services for different States of the country

Issued by

Agricultural Meteorology Division, India Meteorological  
Department, Pune, India

Thursday, 28<sup>th</sup> February, 2008

(For the period 28<sup>th</sup> February to 3<sup>rd</sup> March, 2008)

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

## *Agromet Advisory*

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

### **Punjab**

- Weather remained mainly dry during the period.
- Mainly dry weather is likely over the State.

### **Advisories**

- There was no rainfall during last week in the State and mainly dry weather is likely over the State for next three days. Under these circumstances, apply irrigation to the standing crops.
- Monitor the sugarcane crop for shoot borer & if the damage exceeds economic threshold level, spray Endosulfan 50 EC @ 600 ml in 600 liter of water/acre.
- Late blight of potato has been observed in pockets. If required, spray Ridomil MZ or Curzate@700 g per acre in 250 -350 liter of water.
- Continue sowing of short duration sunflower hybrids. Apply 15 kg Nitrogen/ha in early sown crop.
- Prepare field and undertake sowing of spring sugarcane crop as delayed sowing may affect yield.

### **Haryana**

- Weather remained mainly dry during the period.
- Mainly dry weather is likely over the State.

### **Advisories**

- As there was no rainfall during last week and mainly dry weather is likely over the State for next three days, apply irrigation to sugarcane, *rabi* oilseeds, pulses, wheat and horticultural crops.
- Monitor the sugarcane crop for shoot borer infestation & if exceeds economic threshold level, spray 600 ml Endosulfan 50 EC in 600 liter of water/acre.
- Continue sowing of short duration sunflower hybrids. Apply 15 kg Nitrogen/ha to early sown crops.
- Prepare field and undertake sowing of spring sugarcane crop as delayed sowing may affect yield.

### **Rajasthan**

- Weather remained dry in all divisions of the State.
- Mainly dry weather is likely over the State.

### **Advisories**

- Apply irrigation to *rabi* crops viz., wheat, potato, mustard, barley, taramira and gram as there was no rainfall in the State during last week and mainly dry weather is likely for the next three days.

- Monitor gram for pod borer and undertake plant protection measures if the pest population crosses ETL.

### **Uttar Pradesh**

- Weather was mainly dry during the period.
- Mainly dry weather is likely over the State.

#### **Advisories**

- As mainly dry weather is likely over the State for the next three days, apply irrigation to wheat, vegetable, pulses, rai, and mustard crops.
- To control rot disease in onion spray the solution of carbendazim 0.1% in onion.
- Harvest the matured sugarcane, winter vegetables and potato.
- To control pod borer in gram, spray the solution of Monocrotophos 750 ml or NPV 250 LE.
- Start field preparation and sowing of spring sugarcane.

### **Himachal Pradesh**

- The weather was mainly dry in the State.
- Mainly dry weather is likely over the State.

#### **Advisories**

- As there was no significant rain during last week in most of the districts of the State and mainly dry weather is likely for next three days, apply irrigation to vegetables, potato, toria, rapeseed, mustard, wheat and barley.
- There is mild chance of attack of leaf spot disease in cabbage and cauliflower. If attack crosses economic threshold level, spray Dithane M – 45 to control the disease.
- Monitor oilseeds for aphids and if 50 aphids or 4 mm aphid infestation level per central shoot is noticed, spray 750 ml cypermethrin 10 EC or 750 ml methyl demeton 25 EC or 750 ml Dimethoate 30 EC or 1.5 litre Formothion 25 EC or 200-250 ml Phosphamidon in 750 L water / ha.
- Continue the pruning/trimming of the apple plants in the presence of experts. The cut-end of the branches more than pencil thickness should not be allowed to remain naked but have to be covered with Bordeaux paint or copper oxy chloride paint. The twigs/branches infected with diseases like canker may be pruned at least two- three inches beyond the infected portion and burned it at the earliest.

### **Uttarakhand**

- Mainly dry weather prevailed during the week.
- Mainly dry weather is likely over the State.

#### **Advisories**

- As mainly dry weather is likely over the State for next three days, apply irrigation to wheat.
- Monitor mango for mealy bug. Undertake deep plough around the tree trunk and wrap 25 cm wide, 400 gauge polythene around the trunk to prevent mealy bug attack.
- Undertake intercultural operations in orchards to keep the field weed free.
- Undertake harvesting of matured sugarcane.
- Harvest the matured crop of potato.

### **Jammu & Kashmir**

- Light rain/snow occurred at isolated places on 25<sup>th</sup> and 26<sup>th</sup> February. Weather remained mainly dry on 27<sup>th</sup> February over J&K divisions.
- Isolated rain/snow is likely over the State on 1<sup>st</sup> & 2<sup>nd</sup> March and dry thereafter.

#### **Advisories**

- Due to low minimum temperature, farmers are advised to arrange for smoking in the field to prevent the crops from cold injury.
- Monitor tomato, brinjal, cabbage and cauliflower for virus infection. Rouge out virus affected plants and destroy completely.
- Monitor mustard for aphid attack and to control the pest spray the crop with Phosphamidon @ 0.03% or Metasystox @ 0.03% when 50 to 60 aphids per 10 cm terminal shoot are infected.
- Monitor potato for late blight and rouge out the affected plants and destroy to prevent further spread.
- Continue sowing of vegetables like bhindi, beans and cucurbits during these days and nursery sowing of tomato, brinjal and chilly crops.
- Apply second dose of urea a 3% foliar spray in wheat and barley.

### **Delhi**

- Weather remained mainly dry.
- Mainly dry weather is likely over the State.

### **Advisories**

- As there was no significant rainfall in the State during last few weeks and no rain is likely to occur over the State for the next three days, apply irrigation to vegetables, mustard, gram, barley and wheat.
- Prepare land and undertake sowing of Purvani Kranti, Pusa Savnee and Pusa Sadabahar varieties of ladies finger, All Green and Pusa Jyoti varieties of Spinach and beans.
- There is mild chance of attack of red pumpkin beetle on cucurbits. If infestation of red pumpkin beetle is noticed on cucurbits, apply carbaryl 50 WP @ 750 – 1000 g per ha.

## ***Southern Region (AP, Tamilnadu, Karnataka and Kerala)***

### **Kerala**

- Mainly dry / dry weather prevailed over the State during this period.
- Isolated rain/thundershowers are likely over southern districts of the State during next 24 hours and mainly dry thereafter. Mainly dry weather is likely over the rest region of the State.

### **Advisories**

- As there was no significant rainfall during last week and rain/thundershowers are likely at isolated places over south Kerala during next 24 hours and mainly dry weather there after, apply irrigation to plantation crops viz., coconut, areca nut, rubber and banana.
- Attack of leaf eating caterpillar, coried bug, leaf rot and stem bleeding is reported in coconut. As a prophylactic measure affected leaves may be cut and burnt and release larval and pupal parasitoids to control leaf eating caterpillar. Spray sevin @ 4 g per litre of water to control coried bug. To control leaf rot spray Bordeaux mixture or 0.5% copper oxychloride formulation or 0.4% mancozeb. In the leaf rot affected plants, remove the rotten portions from the spear and the two adjacent leaves and pour 300 ml of fungicidal solution at the base of the spear which can be prepared by mixing 2 ml of hexaconazole 5 EC or mancozeb 3 g in 300 ml of water. To control stem bleeding, chisel out completely the affected tissues and paint the wound with tridemorph 5%. Apply coal tar after 1-2 days. Root feed with tridemorph 5% to prevent further spread of lesions.
- Attack of pseudo stem weevil, banana rhizome weevil and bunchy top disease is reported in banana. Adopt strict field sanitation. If the attack is severe spray Quinalphos @ 0.05%. Spraying / drenching may be done on the leaf axils, rhizome, surrounding soil and all around the entire pseudo stem. Apply 12.5 g Phorate 10G or 10 g Carbofuran 3G per plant in leaf axil or 25 gm Phorate or 20 g Carbofuran per pit in soil, 70 days and again 165 days after planting to control bunchy top disease.

- Attack of rice bug is reported in *puncha* rice. Spray Monocrotophos @ 1.5 ml/litre of water to control the pests. If the infestation is found severe, spray Malathion 50 EC @ 2 ml in one litre of water. Spraying may be done either before 9 am or after 3 pm, so that fertilization of the flowering is not affected.
- Continue land preparation and nursery preparation of pepper.

### **Tamilnadu**

- Dry weather prevailed over the State on 25<sup>th</sup>, 26<sup>th</sup> and 27<sup>th</sup> February.
- Isolated rain/thundershowers are likely over southern districts during next 24 hours and mainly dry thereafter. Mainly dry weather is likely over the rest region of the State.

### **Advisories**

- Apply irrigation to groundnut, sugarcane and pulse crops as there was no rainfall during last week and rain/thundershower is likely only at isolated places in south Tamilnadu for the next 24 hours and dry weather thereafter.
- Monitor rice for bacterial leaf blight (BLB) and blast in the current *samba* and *Thaladi* rice crops. To control the diseases spray Carbendazim @ 100b g or Ediphenphos @ 200 ml or Tricyclozole @ 200 g by mixing with 200 litre of water using the hand sprayer.
- Monitor sugarcane for shoot borer and if the pest population crosses ETL, undertake spraying of Endosulfan 35 EC or Monocrotophos 40 EC @ 1.5 litres/ha. Release parasite @ 1 cc per time for stem borers after 15 days of spraying. Release parasite @ 1 cc per time for the control of stem borers.
- Complete picking of matured cotton bolls on bright sunny days. Picking may be done at early morning hours to maintain quality of kapas.
- Undertake intercultural operations in the standing crops to keep the field weed free.

### **Karnataka**

- Dry weather prevailed over the State on all days.
- Mainly dry weather is likely over the State.

### **Advisories**

- As dry condition prevailed over the State during last week and mainly dry weather is likely for the next three days, apply irrigation to sugarcane and early sown summer crops.
- Undertake intercultural operations in sugarcane and early sown summer crops to keep the field weed free and propping to prevent the crop from lodging.
- Continue harvesting of matured *rabi* sunflower, cotton and maize crops.
- Continue land preparation and nursery sowing of summer rice.

### **Andhra Pradesh**

- Dry weather prevailed over the State during the period.
- Mainly dry weather is likely over the State.

### **Advisories**

- As there was no significant rainfall in the State during last week and mainly dry weather is likely for next three days, apply irrigation to red gram, groundnut, black gram and chillies.
- Prevailing weather conditions are congenial for incidence of blast in rice. Monitor the crop and spray Tricyclazole @ 0.6 g per litre of water as soon as the disease symptoms are noticed. To prevent the incidence of paddy stem borer in nursery apply Carbofuran @ 160 g per cent of nursery.
- Monitor black gram for *Maruca* pod borer and if the pest population crosses ETL, spray Dichlorvas @ 1 ml + Lamda Cyhalothrin @ 2 ml or Dichlorvas 1 ml + Chlorpyrifos @ 2.5 ml per litre of water.

- To control incidence of thrips in groundnut spray Monocrotophos @ 1.6 ml or Dimethoate @ 2ml per litre of water if the crop is between 15-40 days. As the prevailing conditions are congenial for the incidence of rust and late leaf spot in 70-80 days old crop and if noticed spray Mancozeb @ 2gm or Hexaconazole @ 2ml per litre of water.

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

### **Assam**

- Light to moderate rain occurred at a few places on 25<sup>th</sup> & 26<sup>th</sup> February with isolated rather heavy falls on 26<sup>th</sup> February and very light rain at isolated places on 27<sup>th</sup> February over the State.
- Mainly dry weather is likely over the State.

### **Advisories**

- As there was no significant rain during last week in most of the district of the State and mainly dry weather is likely over the State for next three days, apply irrigation to winter vegetables and wheat.
- Maintain 3 – 5 cm of water in *boro* rice field at tillering stage.
- Continue harvesting of already matured crops of potato, arhar and other *rabi* crops.
- Incidence of aphids and saw fly was noticed in mustard and rapeseed in few localities. As the crops are at maturity stage, avoid application of plant protection measures.
- For control of late blight of tomato, spray dithane M-45 @ 2.5 g per litre of water / bavistin @ 1 g per litre of water should be sprayed.
- For control of leaf blight and leaf spot diseases of wheat, Dithane Z-78 @ 2.5 gm per litre of water may be sprayed.
- Monitor *boro* rice for blast disease. As soon as one or two spots on leaves are seen, Hinosan 50 EC @ 1 ml or Blitox 4 g per litre of water is to be sprayed and spraying is to be continued till the disease is controlled. For control of Sheath blight disease apply bavistin @ 1gm per litre of water.

### **Arunachal Pradesh**

- Rain/thundershowers occurred at many places on 26<sup>th</sup> February & at a few places on 25<sup>th</sup> February and at one or two places on 27<sup>th</sup> February.
- Isolated rain/thundershowers are likely over State during next 24 hours and mainly dry weather thereafter.

### **Advisories**

- As isolated rain/thundershowers are likely during next 24 hours and mainly dry weather thereafter over the State apply irrigation to wheat, *rabi* maize and mustard.
- Harvest the matured crops of pea, ginger, vegetables and potato.
- Undertake weeding and hoeing in wheat, mustard and *rabi* maize to keep the field weed free.

### **Bihar**

- Weather was mainly dry over the State.
- Mainly dry weather is likely over the State.

### **Advisories**

- As mainly dry weather is likely over the State for the next three days, apply irrigation to vegetables, arhar, wheat, gram, fodder maize and sugarcane.
- Monitor potato for late blight disease, if the symptoms are noticed, spray Ridomil MZ @ 2 kg/ha as first spray.

- Monitor rai / sarsoon crop for aphid attack. To control aphids, spray Methyl demeton 25 EC or Quinphos 25 EC @ 1 liter/ha.
- Monitor the gram crop for pod borer, to control the pest spray Endosulphan @ 1.5 lit/ha.
- In wheat crop sown under the irrigated late / very late situation, if top dressing of nitrogen was not done then apply 40 kg/ha after weeding.

### **Jharkhand**

- Weather remained mainly dry over the State.
- Mainly dry weather is likely over the State.

### **Advisories**

- Apply irrigation to the vegetables, wheat, mustard and gram as mainly dry conditions are likely over Jharkhand during next three days.
- Hoeing and weeding, top dressing with 55kg Urea per hectare and irrigation may be done in wheat.
- Prepare field and undertake sowing of summer vegetables.

### **Sikkim**

- Very light rainfall occurred at a few places over East Sikkim on 24<sup>th</sup> & 25<sup>th</sup>, otherwise weather was mainly dry during the period. Rainfall was scanty during the week.
- Mainly dry weather is likely over the State.

### **Advisories**

- As there was no significant rainfall during last few weeks and mainly dry weather is likely over the State for the next three days, apply irrigation to orange, large cardamom, wheat, and mustard.
- Keep mustard fields free from Satyanashi weed and wheat fields free from Hirankhuri weed.
- Monitor large cardamom for Chirkey and Foorkey and infected plants may be destroyed by uprooting/burial at regular intervals. Regular inspection may be carried out to observe caterpillar/ shoot borer incidence and may be hand picked and destroyed mechanically.
- Monitor orange for trunk borer and remove the affected portion and pluck the holes made by the insect with mud.
- Continue harvesting vegetable crops depending upon market demand.

### **West Bengal**

- Weather remained mainly dry from 25<sup>th</sup> to 27<sup>th</sup> February over the State.
- Mainly dry weather is likely over the State.

### **Advisories**

- As there was no significant rainfall during last week in most of the districts of the State and no significant rain is likely to occur during next three days, apply irrigation to *rabi* arhar, mustard, rapeseed, gram, lentil, wheat and sunflower.
- Maintain 3 – 5 cm standing water in *boro* rice field. Apply 25 kg N / ha at 3 weeks after transplanting of rice under weed free condition and thin film of water. Maintain 3 – 5 cm of water after 48 hours of application of N.
- Harvest already matured crops of sugarcane and potato.
- Keep vigilance against occurrence of blast disease in *boro* rice. If this disease appears at least one leaf or 25% of the leaves of the plant, then spray water soluble Ediphenphos 50% @ 1 ml or Triamiphos 48% @ 1 ml or Carbendazyme 50% @ 1 gm or Tricyclogol 75% @ 0.5 ml per litre of water. 750 litre of water is required for spraying 1 hectare of land. Keep vigilance against attack of stem borer. Chemicals may be applied under attack of at least 1 larvae or matured pest per hill.
- Prepare land and continue sowing of sesamum. Select varieties from Rama, Tilottama, HT-1 etc. for sowing. Adopt seed rate of 6 – 7.5 kg / ha. Apply 30 kg N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O each / ha

at the time of land preparation. If sesamum is sown after harvesting of potato, application of fertilizer may not be required as the crop can be grown with residual fertility of soil.

- Prepare land and start sowing of groundnut. Improved varieties like JL-24, J-11, A.K-12-24 can be sown. Seedrate is 110-125 kg per ha.
- Prepare land and start sowing of green gram. Chaitali moong may be sown now and select varieties from K-851, Panna, Sonali, Pusha Baishakhi etc. Seedrate is 25-30 kg per ha.

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

### **Gujarat**

- Mainly dry weather is likely over the State.

#### **Advisories**

- As there was no rain during last few weeks over the State and mainly dry weather is likely to prevail for next three days, apply irrigation to cotton, mustard and wheat and early planted sugarcane.
- Maintain 3 – 5 cm water wherever summer rice is at tillering stage.
- Apply 75 kg Nitrogen / ha as top dressing after 45 days from plating of sugarcane.
- Monitor for pest and diseases in cotton. If population of sucking pests like aphids, jassids, thrips in cotton crosses economic threshold level, spray methyle dematon 25% EC @ 10 ml or phosphamidon 85% EC @ 5 ml or dimethioate 30% @ 10 ml in 10 litre of water.
- Prepare land and transplant seedlings of summer rice in the main field with assured irrigation facilities. Apply 60 kg N / ha before transplanting at the time of puddling of soil. Transplant 2 -3 seedlings / hill.
- Prepare land for sowing of summer groundnut with assured irrigation facilities. Apply 25 kg N and 50 kg P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O each at the time of land preparation. Select high yielding varieties from J-11, GG – 2, 4, 6, TG – 26 etc. for sowing.

### **Chhattisgarh**

- Dry weather prevailed in all divisions of State.
- Mainly dry weather is likely over the State.

#### **Advisories**

- As there was no significant rainfall during last week in all the districts of the State and mainly dry weather is likely for next three days, apply irrigation to sugarcane, vegetables, rapeseed and mustard and wheat, potato, and other *rabi* crops and sunflower and groundnut.
- Aphids were observed in mustard, safflower and vegetable crops, hence, it is advised to monitor the crops and if necessary spray Endosulphon or Matasystox @ 2 ml/liter of water.
- There is mild chance of attack of jhulsa disease in tomato and potato. If infestation crosses economic threshold level, apply metalaxyl @ 2 g / litre of water.
- Prepare land and complete transplanting of summer rice with assured irrigation facilities.
- Prepare land and start sowing of green gram.

### **Maharashtra**

- Mainly dry weather prevailed over the State.
- Mainly dry weather is likely over the State.

#### **Advisories**

- As there was no significant rainfall in the State during last few weeks and no significant rain is likely to occur over the State for the next three days, apply irrigation to sugarcane (Pre-seasonal), sugarcane (*suru*), *rabi* jowar, safflower, potato, gram, onion, wheat and maize.
- Harvest already matured crops of *kharif* tur.

- Undertake weeding operation in potato to keep the crop weed free and also carry out earthing up. Second dose of 50 kg Nitrogen / ha may be applied as top dressing after weeding.
- Mild incidence of white woolly aphids in Ahmednagar & Pune districts in Sugarcane (pre-seasonal) & sugarcane (*Suru*) and aphids in Latur & Kolhapur division in safflower is reported.
- Monitor the Sugarcane (pre-seasonal) & sugarcane (*Suru*) for White Woolly Aphids & if exceeds economic threshold level, for effective control spray 500 ml Endosulphan 35%+ Metasystox 1000 ml & 500 ml Sticker or 500 gm detergent powder / ha in 500 liters of water. For the biological control of White Woolly Aphids, release 25000 larvae of *Chrysoperla carnea* or *Dipha aphidivora* / ha as predator after 15 days from the above dose.
- For the biological control of aphids in safflower, release 10000-15000 larvae of *Chrysoperla carnea* or apply 5% neem extract.
- For the protection of blossom in mango, release 10000-15000 *Chrysoperla carnea* predators / ha on trees or spray the mixture of Verticillium lacanae fungicide 4 g / litre of water or 5% neem seed extract.

### **Madhya Pradesh**

- Dry weather prevailed over the State during the period.
- Mainly dry weather is likely over the State.

### **Advisories**

- As mainly dry weather is likely over the State, apply irrigation to sugarcane and wheat.
- Undertake intercultural operation in sugarcane to keep the field weed free.
- Harvest the matured gram, lentil, mustard, masoor and linseed crops.

### **Orissa**

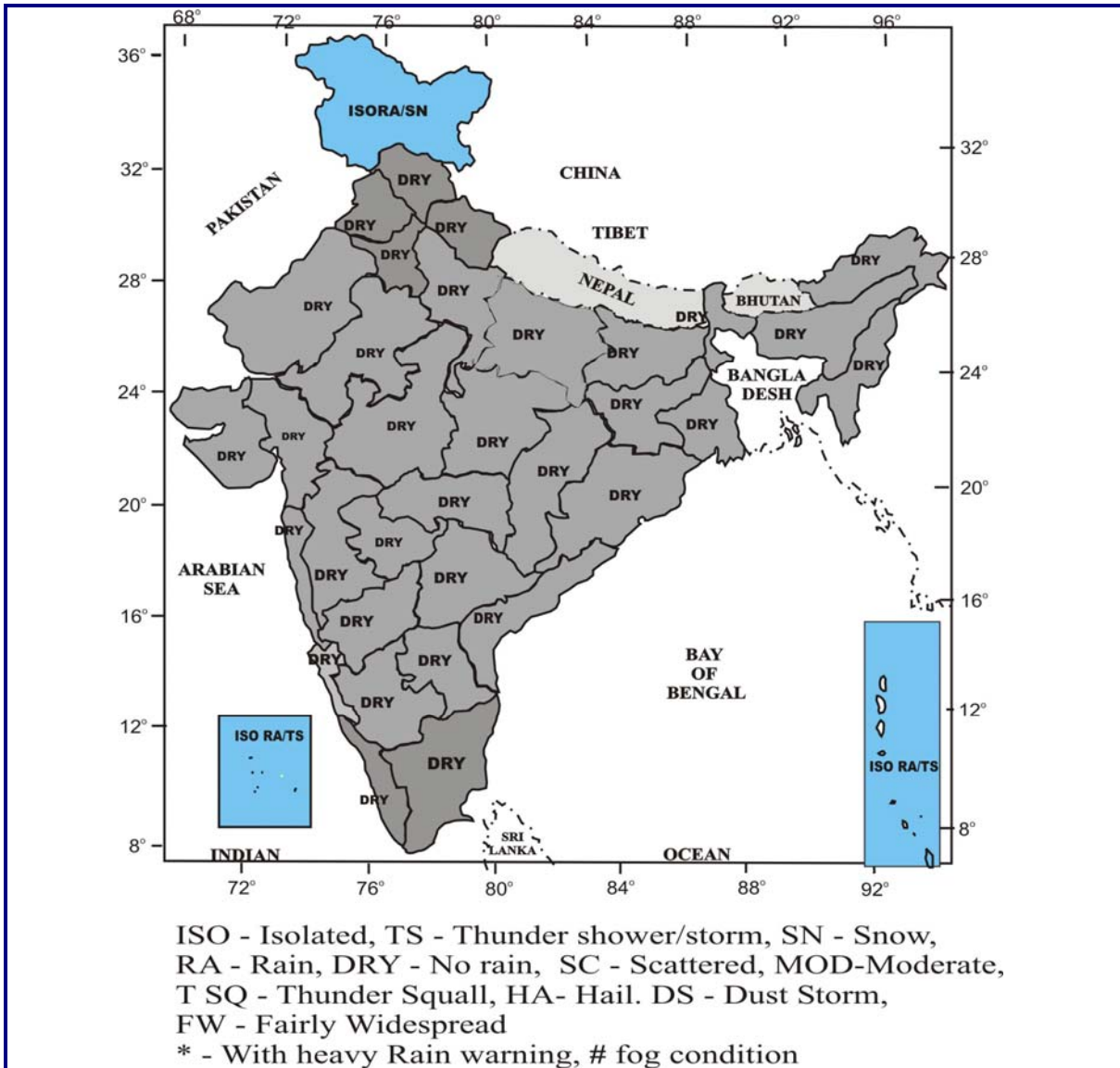
- Mainly dry weather is likely over the State.

### **Advisories**

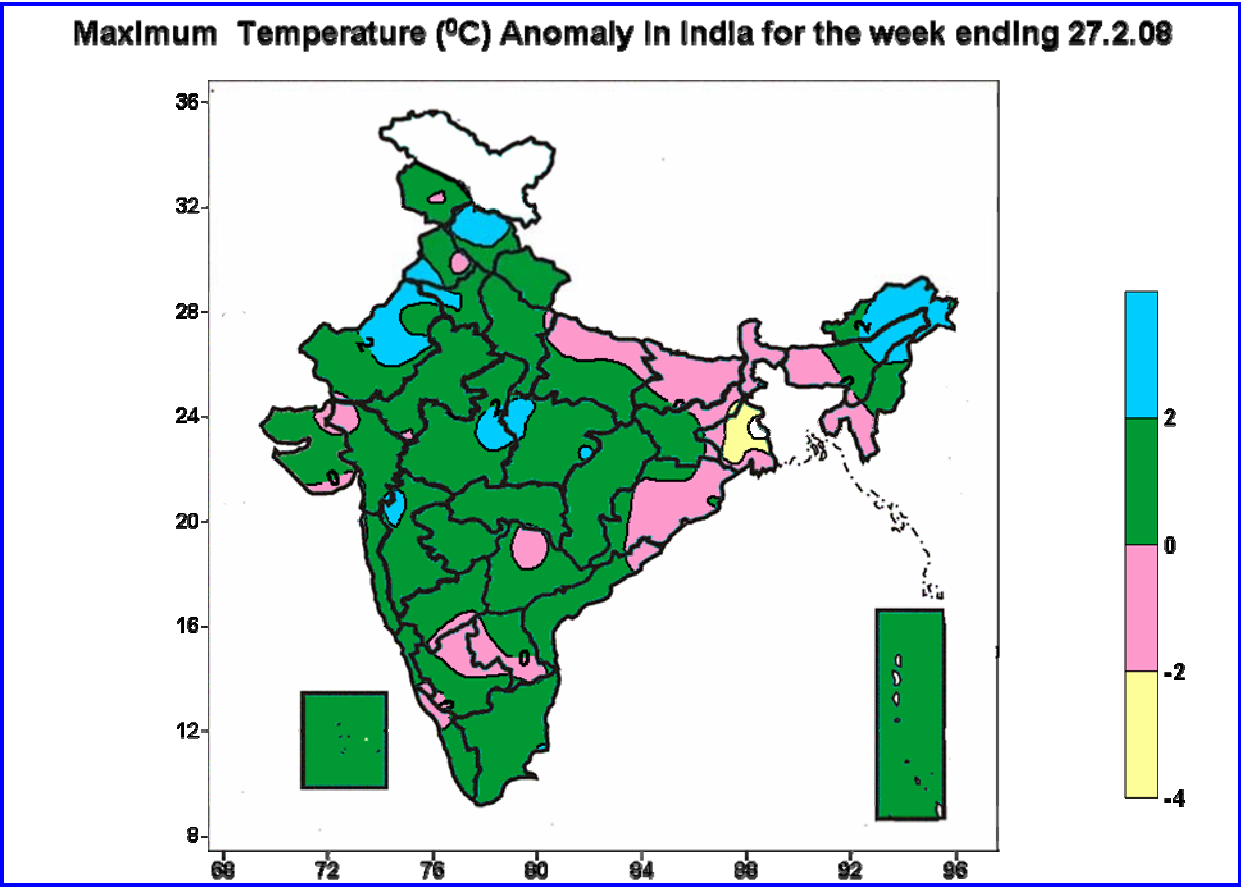
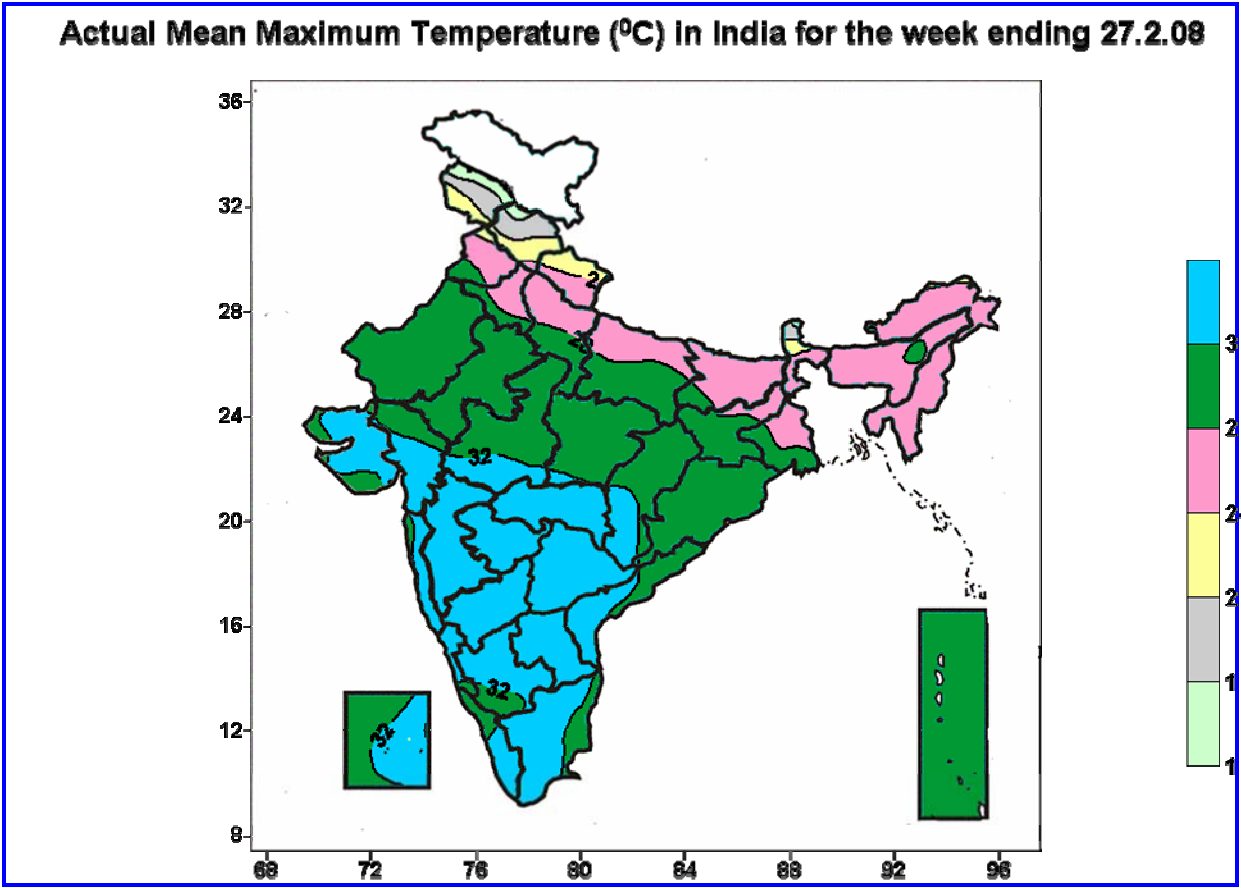
- As there was no significant rainfall during last week and mainly dry weather is likely to occur for next three days over the State, apply irrigation to vegetables, *rabi* oilseed and pulse crops and early sown sugarcane.
- Continue main field preparation and transplanting of *dalua* rice. Use 6 kg N, 12 kg P, and 12 kg K per acre at the time of transplanting in short duration rice.
- Prepare land and start sowing of moong. Select PDM-54 variety for sowing of moong. Apply 8 kg N, 16 kg P<sub>2</sub>O<sub>5</sub> and 8 kg K<sub>2</sub>O / acre at the time of land preparation.
- Complete transplanting of *dalua* rice.
- There is mild chance of occurrence of aphids in vegetables and oilseeds. If population crosses economic threshold level, spray dimethoate or methyl demeton @ 2 ml per litre of water.
- There is mild chance of occurrence of leaf eating caterpillar and tikka disease in groundnut. If crosses economic threshold level, to control leaf eating caterpillar spray endosulfan @ 2ml per litre of water and to control tikka disease spray mancozeb @ 3 g / litre of water.



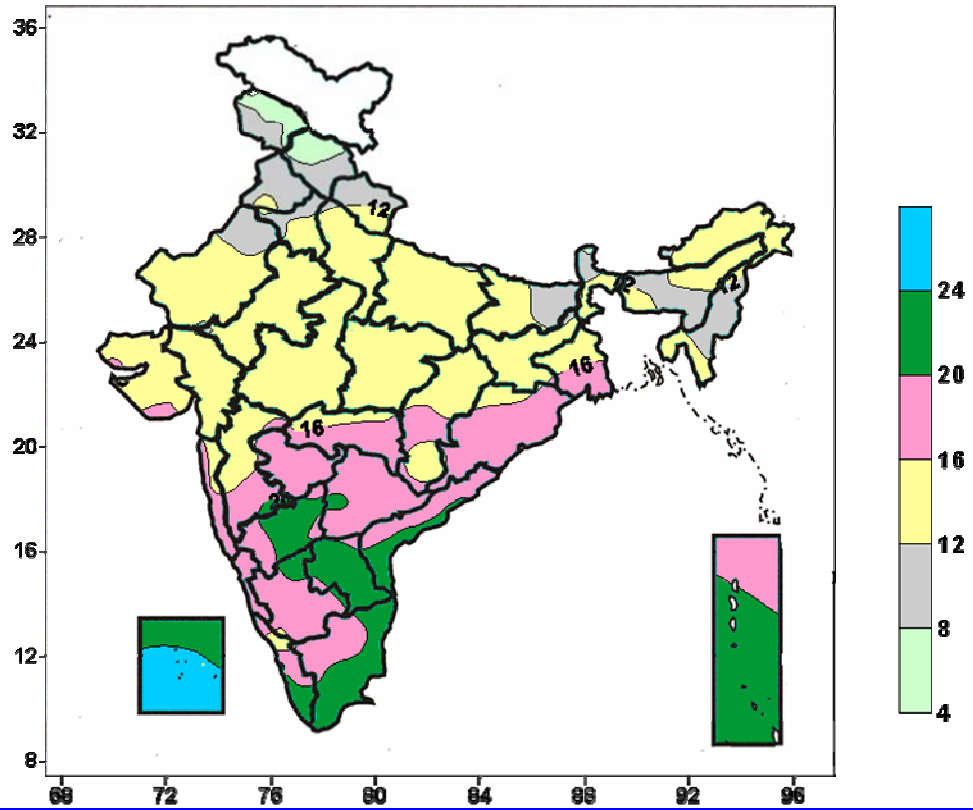
## Forecast Valid upto 2<sup>nd</sup> March, 2008



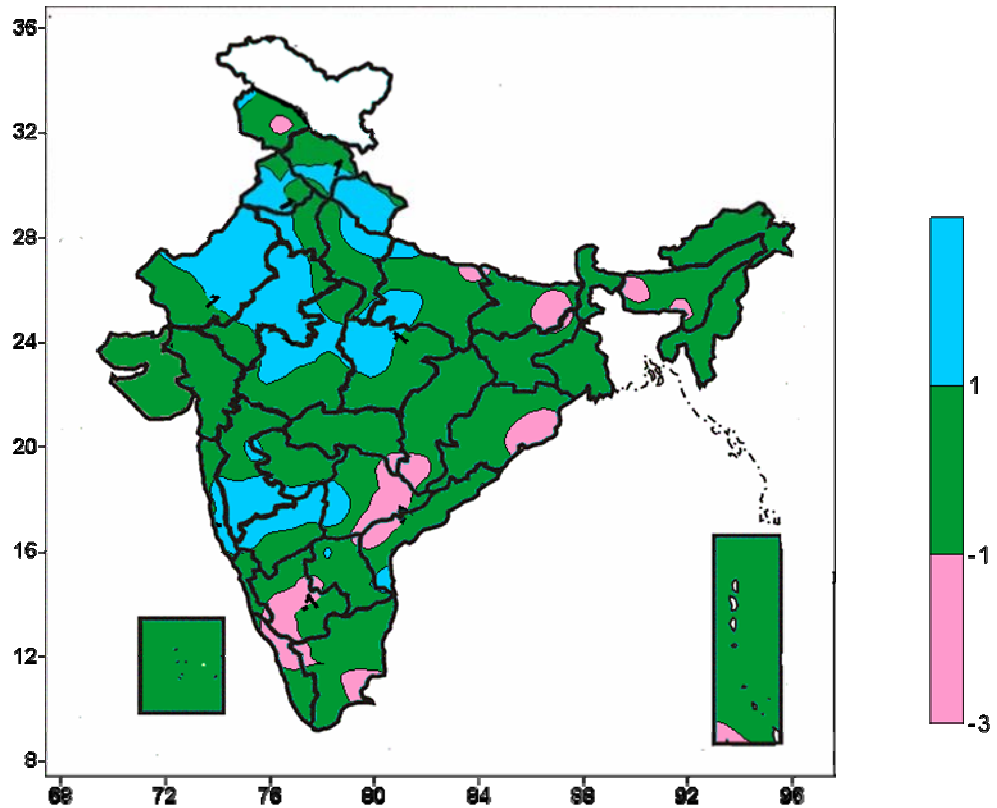
## Contour maps for the week ending 27<sup>th</sup> February, 2008



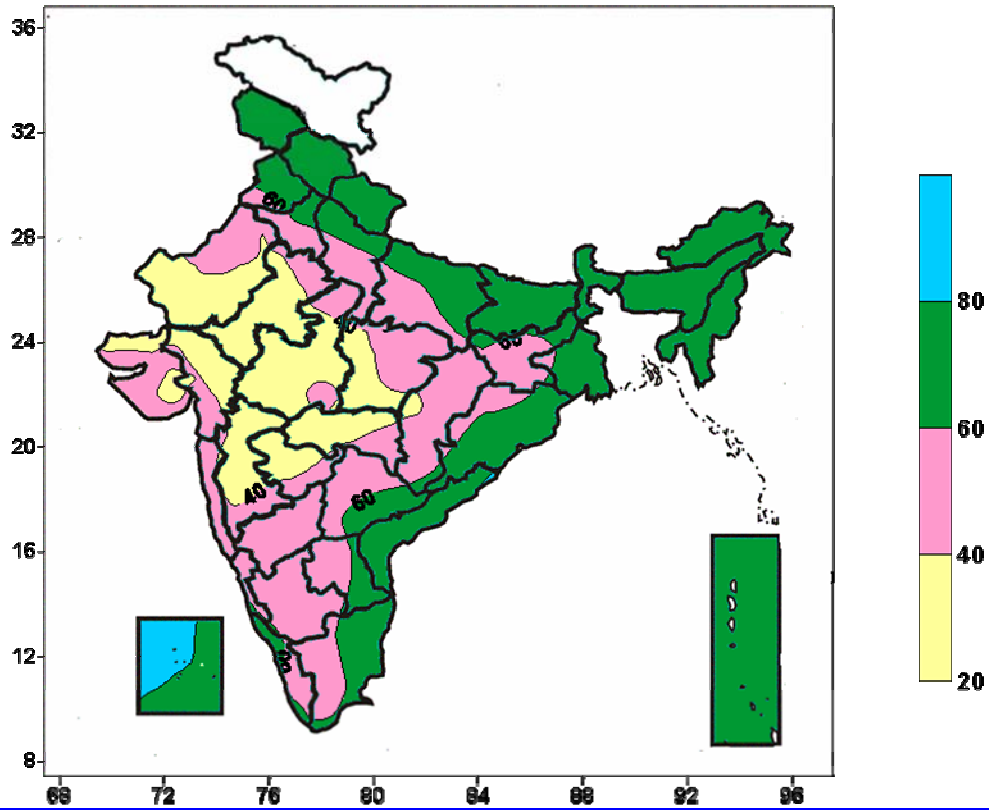
**Actual Mean Minimum Temperature ( $^{\circ}\text{C}$ ) in India for the week ending 27.2.08**



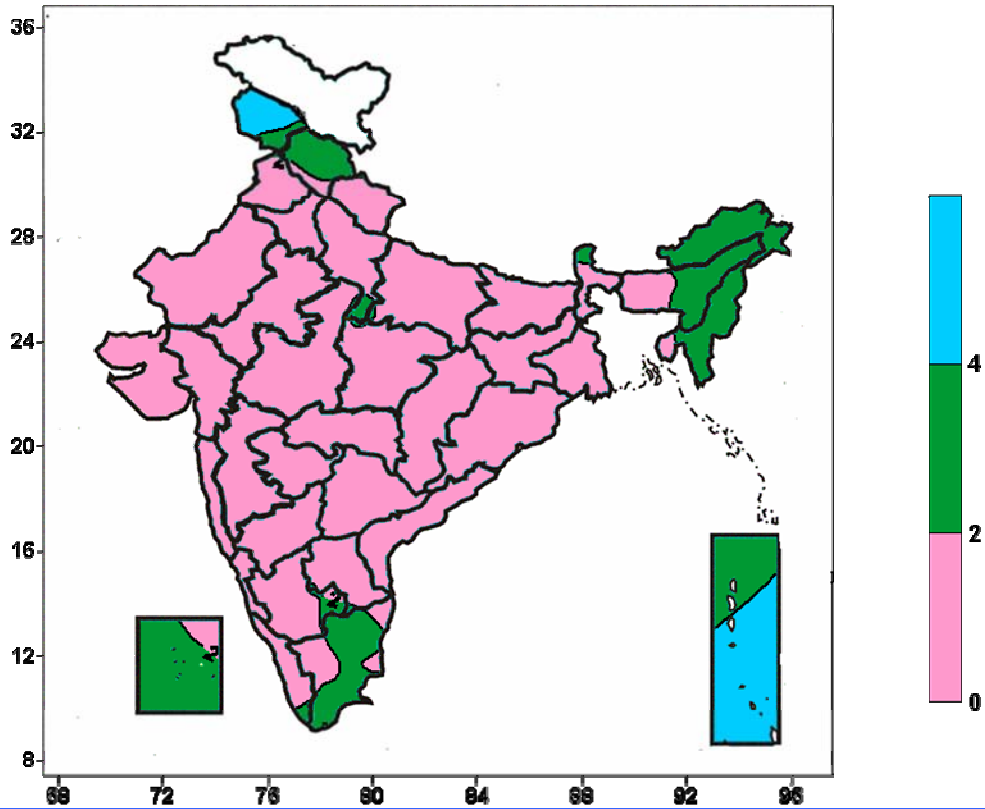
**Minimum Temperature ( $^{\circ}\text{C}$ ) Anomaly in India for the week ending 27.2.08**



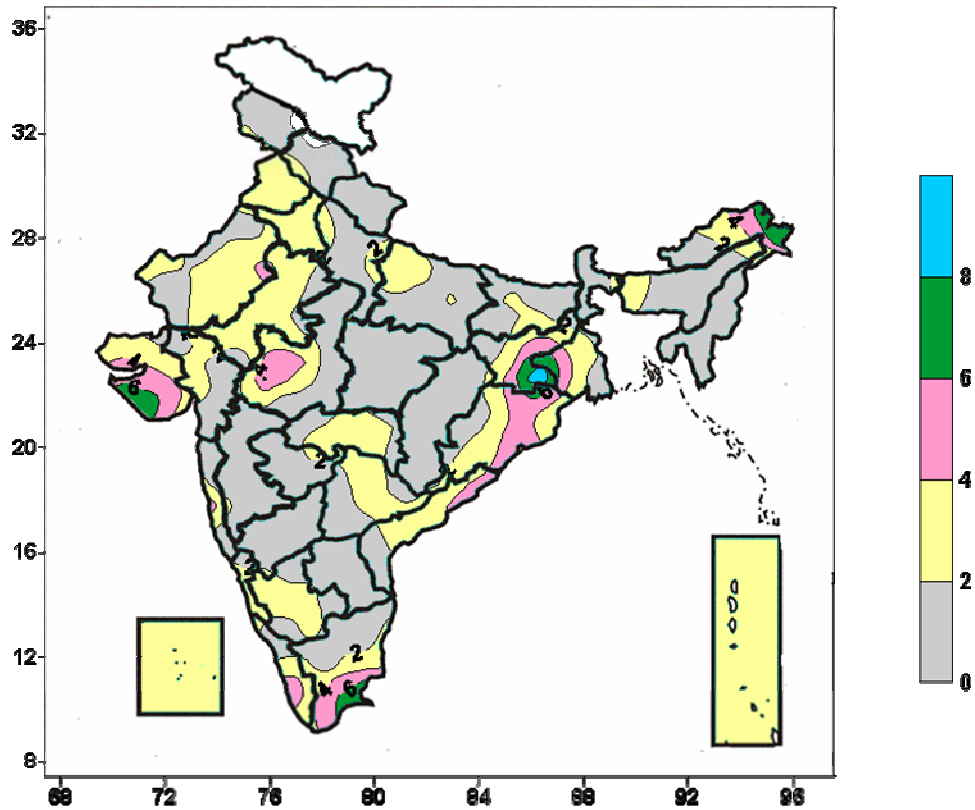
**Relative Humidity (%) over India for the week ending 27.2.08**



**Cloud amount (okta) over India for the week ending 27.2.08**



### Wind speed (knots) over India for the week ending 27.2.08



### Desert Locust Forecasting



Rainfall (mm)							
Station Name	21.02.08	22.02.08	23.02.08	24.02.08	25.02.08	26.02.08	27.02.08
Amritsar	00.0	00.0	00.0	00.0	00.0	00.0	00.0
Barmer	00.0	00.0	00.0	00.0	00.0	00.0	00.0
Sriganganagar	00.0	00.0	00.0	00.0	00.0	00.0	00.0
Jaisalmer	00.0	00.0	00.0	00.0	00.0	00.0	00.0
Kota	00.0	00.0	00.0	00.0	00.0	00.0	00.0
Deesa	00.0	00.0	00.0	00.0	00.0	00.0	00.0
Churu	00.0	00.0	00.0	00.0	00.0	00.0	00.0

### Temperature(°C)

Station Name	21.02.08	22.02.08	23.02.08	24.02.08	25.02.08	26.02.08	27.02.08
Amritsar	16.4	14.4	16.0	13.4	15.7	15.2	15.5
Barmer	23.8	24.5	23.8	22.6	23.0	22.1	23.8
Sriganganagar	19.1	21.6	-	17.6	16.6	19.5	18.9
Jaisalmer	24.8	-	19.7	20.7	19.6	24.0	23.1
Kota	21.3	22.4	24.1	23.3	21.1	20.2	21.7
Deesa	21.9	22.3	23.5	22.1	21.2	20.5	20.9
Churu	21.8	23.7	21.1	19.4	17.0	17.1	20.1

Wind														
Station Name	21.02.08		22.02.08		23.02.08		24.02.08		25.02.08		26.02.08		27.02.08	
	Speed	Dir.	Speed	Dir.	Speed	Dir.	Speed	Dir.	Speed	Dir.	Speed	Dir.	Speed	Dir.
<b>Amritsar</b>	Speed	Dir.	Speed	Dir.	Speed	Dir.	Speed	Dir.	Speed	Dir.	Speed	Dir.	Speed	Dir.
<b>Barmer</b>	-	-	-	-	-	-	-	-	-	-	W	03	WSW	23
<b>Sriganga nagar</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Jaisalmer</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Kota</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>Deesa</b>	-	-	SW	10	-	-	-	-	WNW	09	N	04	N	10
<b>Churu</b>	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	W	13	SSW	13	-	-	-	-	NW	13	NNW	17	NW	10

Under the prevailing weather conditions, there is no chance of locust infestation in Rajasthan and the adjoining areas during this week.

### CROP - STATE - STAGE

#### Delhi

Vegetables	Mustard	Wheat	Barley	Berseem
vegetative / flowering / fruiting / harvesting	Capsule formation/seed formation	Ear initiation/flowering	Flowering/grain formation	Vegetative
<b>Gram</b>				
Flowering /pod formation/seed formation				
Haryana				
Sugarcane / Autumn sugarcane	Horticultural crops	Sunflower	Wheat	Rabi Pulses
Vegetative	Vegetative	Germination	Vegetative	Vegetative
<b>Rabi oilseeds</b>	<b>Irrigated Toria</b>			
Flowering/fruiting	Fruiting			

#### Himachal Pradesh

Vegetables (Ladies finger/ Cabbage, Cauliflower)	Ladies finger	Barley	Gram	Wheat
Flowering/fruiting/harvesting	Fruiting	Tillering/jointing	Vegetative	Tillering/jointing
<b>Potato</b>	<b>Oilseeds (Torai, Rapeseed and mustard)</b>			
Vegetative	Vegetative			

#### Jammu & Kashmir

Vegetable crops	Rice	Pulses	Brown Sarson, Mustard	Barley, Oat
vegetative	Harvesting- Jammu div.	vegetative	Capsule formation	Jointing
<b>Wheat</b>				
Jointing				

#### Punjab

Sugarcane	Horticultural crop	Rabi Oilseeds	Irrigated toria	Sunflower
Vegetative	Vegetative	Fruiting	Fruiting	Early vegetative
<b>Autumn sugarcane</b>	<b>Wheat</b>	<b>Rabi pulses</b>	<b>Rabi oilseeds</b>	
Vegetative	Vegetative	Flowering	Vegetative	

#### Rajasthan

Wheat & barley	Gram	Early sown mustard, taramira	Potato	
Ear emergence	Pod formation	Podformation/development	Vegetative	

**Uttar Pradesh**

Sugarcane	Vegetables	Rabi pulses	Rai , mustard	Mango
Cane maturity	Flowering / fruiting / maturity	Flowering / grain formation	Pod formation/Maturity	Vegetative/flowering
<b>Wheat</b>				
vegetative/flowering/grain formation				

**Uttarakhand**

Mango/Litchi	Wheat	Sugarcane	Potato	
Vegetative	Tillering / flowering	Maturity	Seedling	

**Assam**

Wheat	Arhar	Horticultural plants	Boro rice	Winter vegetables
Tillering/flowering	Pod formation / maturity	Planting	Tillering	flowering // fruiting / harvesting
<b>Mustard, rapeseed, pea lentil etc.</b>	<b>Potato</b>			
pod formation / early maturity/maturity	early maturity/maturity			

**Arunachal Pradesh**

Ginger	Rabi maize	Pea	Potato	Wheat
Harvesting	Cob formation	Harvesting	Harvesting	Vegetative
<b>Rabi Vegetables</b>	<b>Mustard</b>			
harvesting	Flowering			

**Bihar**

Vegetables & fruit crops	Maize	Arhar	Other Rabi pulses	Wheat
vegetative	Cob formation	Flowering	Pod formation	Vegetative
<b>Sugarcane</b>	<b>Rabi oilseeds (rai, linseed)</b>	<b>Gram</b>	<b>Potato</b>	
Vegetative	Pod formation	sowing	Tuber formation	

**Jharkhand**

Pea, gram, potato	Litchi / Mango	Vegetables (Tomato, Brinjal, Bhendi)	Wheat	Mustard
Vegetative <b>Pea – pod formation</b>	Vegetative (tree)	Vegetative	Active vegetative	Active vegetative
<b>Summer rice</b>				
Transplanting				

**Sikkim**

Orange	Vegetables (Cauliflower, Cabbage, Carot, Beat, tomato)	Large Cardamom	Wheat	Mustard
End Harvesting	End harvesting	Vegetative / flowering	Milking/dough	Capsule formation
<b>Maize</b>				
Sowing				

**West Bengal**

Sugarcane	Arhar	Mustard / Rapeseed / gram / lentil	Potato	Sunflower
Cane maturity / harvesting	Pod maturity / harvesting <b>(Rabi arhar- flowering / pod formation)</b>	Pod formation / seed formation/early maturity	Tuber formation / early maturity/maturity	Vegetative
<b>Boro rice</b>	<b>Early transplanted Boro rice</b>	<b>Wheat</b>	<b>Sesamum</b>	<b>Groundnut / Green Gram</b>
early vegetative / tillering	Early vegetative / tillering	flowering / grain formation	sowing	sowing

**Chhatisgarh**

Sugarcane	Rapeseed, mustard	Toria	Vegetables	Wheat
Cane maturity / harvesting	Pod formation / early maturity	Pod maturity / harvesting	Flowering / fruiting/harvesting	Tillering / jointing/flowering

(Autumn sugarcane – Vegetative)				
<b>Rabi crops(pulses)</b>	<b>Early sown rabi crops</b>	<b>Potato</b>	<b>Summer Rice</b>	<b>Sunflower, Groundnut</b>
Grain filling/early maturity	Germination / early vegetative / vegetative	Tuber formation/early maturity	Transplanting	Early vegetative
<b>Green gram</b>				
Sowing				

**Gujarat**

<b>Sugarcane</b>	<b>Early planted s'cane</b>	<b>Castor</b>	<b>Mustard</b>	<b>Wheat</b>
planting	early vegetative / vegetative	Maturity/harvesting	Pod formation/seed formation/early maturity	Ear initiation/flowering/milk
<b>Summer rice</b>	<b>Early transplanted rice</b>	<b>Kharif Cotton</b>	<b>Summer groundnut</b>	
Land preparation / transplanting	Early vegetative / tillering	Boll formation/ boll maturity / picking	Land preparation / sowing	

**Maharashtra**

<b>Sugarcane Preseasonal (Madhya Maharashtra, Marathwada &amp; Vidarbha)</b>	<b>Sugarcane (Suru) (Madhya Maharashtra, Marathwada and Vidarbha)</b>	<b>Rabi safflower (Madhya Maharashtra, Marathwada &amp; Vidarbha)</b>	<b>Rabi Jowar (Madhya Maharashtra, Marathwada &amp; Vidarbha)</b>	<b>Kharif Tur (Madhya Maharashtra, Marathwada &amp; Vidarbha)</b>
Elongation / cane development	Active growth / elongation	Head formation / seed formation	Flowering / grain filling / maturity	grain maturity / harvesting
<b>Potato (Madhya Maharashtra, Marathwada &amp; Vidarbha)</b>	<b>Rabi onion (Madhya Maharashtra, Marathwada)</b>	<b>Maize (Konkan, Madhya Maharashtra, Marathwada &amp; Vidarbha)</b>	<b>Gram (Konkan, Madhya Maharashtra, Marathwada &amp; Vidarbha)</b>	<b>Mango</b>
Vegetative	vegetative	Vegetative	Pod formation / grain filling / grain maturity	Flowering
<b>Wheat (North Konkan, Madhya Maharashtra, Marathwada &amp; Vidarbha)</b>	<b>Rabi safflower</b>			
Ear head initiation/flowering/grain formation/grain maturity	Flowering / head formation / grain filling			

**Madhya Pradesh**

<b>Sugarcane</b>	<b>Rabi crops (linseed, lentil, gram, mustard)</b>	<b>Wheat</b>		
Grand growth	Harvesting	Grain formation		

**Orissa**

<b>Kharif vegetables</b>	<b>Dalua rice</b>	<b>Sugarcane</b>	<b>Early sown crops</b>	<b>Oilseeds</b>
Vegetative / fruiting	Transplanting	Vegetative	Early vegetative	Pod formation/maturity
<b>Pulses</b>	<b>Rice</b>			
Flowering / Pod formation	Tillering			

**Andhra Pradesh**

<b>Rice</b>	<b>Rabi red gram / Black gram / Groundnut / chillies</b>			
Tillering	Flowering			

**Karnataka**

<b>Sugarcane (Ratoon crop)</b>	<b>Annual sugarcane</b>	<b>Rabi Jowar /Maize/Sunflower</b>	<b>Cotton</b>	<b>Summer rice</b>
Grand growth	Active vegetative / tillering	Harvesting	Boll maturity/picking	Sowing
<b>Early sown maize, groundnut, sunflower</b>				
Vegetative				



**Kerala**

<b>Rubber</b>	<b>Pepper</b>	<b><i>Puncha</i> rice</b>	<b><i>Arecanut</i><i>Coconut</i></b>	<b><i>Banana</i></b>
New planting	nursery preparation	Milking/dough	Harvesting	New planting

**Tamil Nadu**

<b>Rice (<i>Samba</i>)</b>	<b>Sugarcane (Early, Mid season)</b>	<b>Special season sugarcane</b>	<b>Groundnut/Black gram/Green gram/Red gram</b>	<b>Cotton</b>
Panicle initiation	Cane development / maturity	Grand growth	Vegetative	Picking
<b>Jowar/Bajra/Samai</b>				
Vegetative				

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