



**Composite Agromet Advisory Service Bulletin
for the State of Jharkhand**

BULLETIN NO. 58

Tuesday, 20th July, 2010

For the period: 21st to 25th July 2010

issued by
Meteorological Centre, Ranchi
INDIA METEOROLOGICAL DEPARTMENT

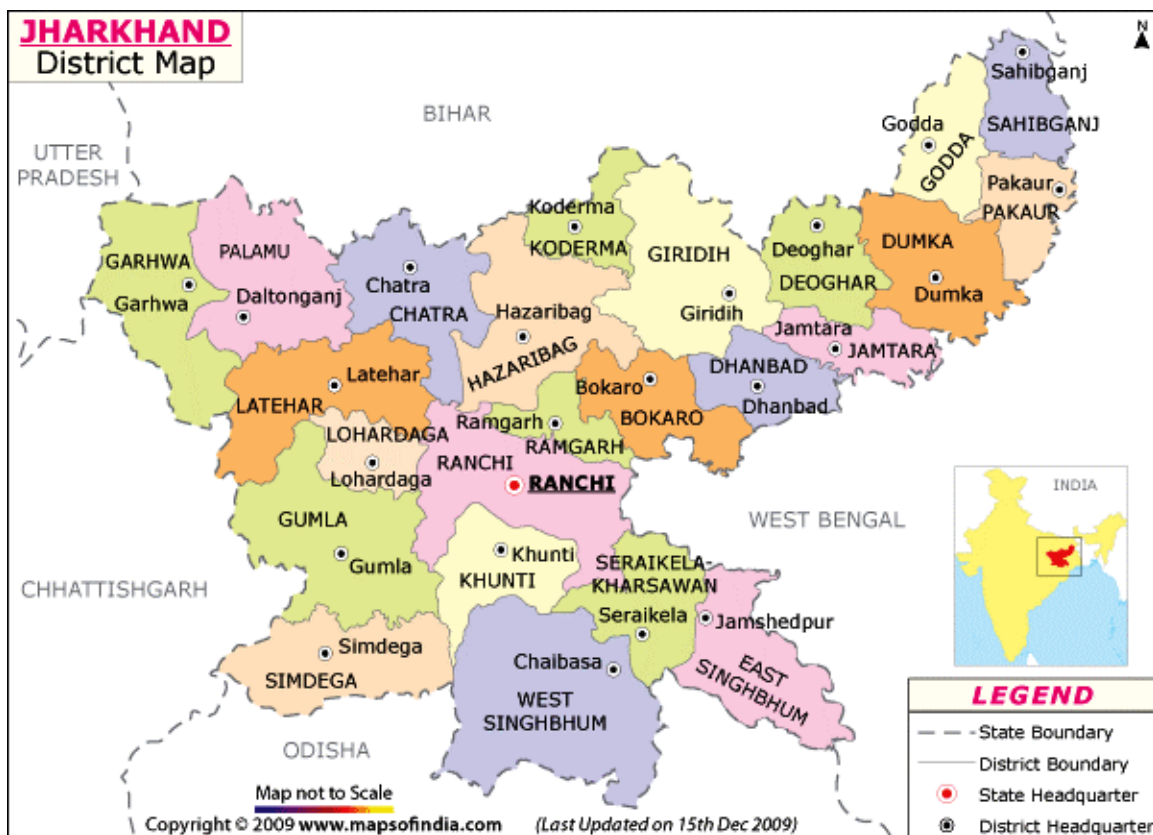
in collaboration with
Birsa Agricultural University, Kanke, Ranchi
&
Department of Agriculture, Govt. of Jharkhand

Meteorological sub-division of the state

As per IMD classification Jharkhand State consisting of twenty four districts is considered as one meteorological subdivision.

Agro Climatic Zones for the State of Jharkhand

| S.No. | Agro climatic Zone | Districts | Agromet Field Unit(AMFU) |
|-------|---|---|--------------------------|
| 1 | Central & Western Plateau Zone | Ranchi, Khunti, Bokaro, Hazaribag, Ramgarh, Chatara, Garhwa, Palamu, Latehar, Lohardaga, Gumla, Simdega | Ranchi |
| 2 | Central and North Eastern Plateau Zone | Dumka, Sahebganj, Godda, Pakur, Deoghar, Giridih, Dhanbad, Jamtara, Koderma | Dumka |
| 3 | South Eastern Plateau Zone | West Singhbhum, East Singhbhum, Saraikela | Darisai |



DISTRICT LEVEL WEATHER FORECAST
ISSUED ON: 20.07.2010
VALID FOR THE NEXT 5 DAYS

Weather Summary for the period since 0830 hours IST of 16th July, 2010:-

Heavy rainfall occurred at isolated places over Jharkhand on 19th. Rainfall occurred at a few places in Jharkhand on 19th & 20th July, 2010. Chief amount of rainfall reported (in cm): Poraiyahat (Godda) – 8 on 20th.

Summary of observations recorded at Ranchi, Jamshedpur and Daltonganj during 17th to 20th July 2010:

| Stations --- | Ranchi | Jamshedpur | Daltonganj |
|---------------------------------|----------------|----------------|----------------|
| Parameters | | | |
| Total rainfall (mm) | 12.8 | Trace | 3.2 |
| Max Temp range (° c) | 32-33 | 35-37 | 34-36 |
| Min Temp range (° c) | 23-25 | 26-27 | 27-29 |
| Cloud Coverage (octa) | 6 | 5 | 5 |
| Relative Humidity (%) | 55-95 | 42-92 | 50-92 |
| Wind Direction/ Speed (kmph) | Morning | South Westerly | South Westerly |
| | | 07 | 05 |
| | Evening | South Westerly | South Easterly |
| | | 09 | 06 |
| | | Calm | 00 |
| | | Variable | 03 |

Current synoptic condition:

The axis of Monsoon trough passes through Ganganagar, Alwar, Riwa, Ambikapur, Paradip & thence to southeast ward to East-central Bay.

Forecast valid up to 0830 hours IST of 23rd July, 2010:-

Rain or Thundershowers may occur at a few places over Jharkhand.

Outlook for subsequent two days w.e.f. 08.30 hrs IST of 23rd July, 2010:-

Little change.

A.WEATHER FORECAST

AMFU :RANCHI (Districts: Ranchi, Khunti, Bokaro, Hazaribag, Ramgarh, Chatara, Garhwa, Palamu, Latehar, Lohardaga, Gumla, Simdega)

| DISTRICTS | | FORECAST | | | | |
|------------|---------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | DAY-1 21-07-10 | DAY-2 22-07-10 | DAY-3 23-07-10 | DAY-4 24-07-10 | DAY-5 25-07-10 |
| BOKARO | Rainfall (mm) | 10 | 6 | 10 | 10 | 10 |
| | Max Temperature (deg C) | 32 | 31 | 29 | 30 | 30 |
| | Min Temperature (deg C) | 25 | 25 | 25 | 25 | 24 |
| | Total cloud cover (octa) | 8 | 8 | 7 | 7 | 8 |
| | Max Relative Humidity (%) | 98 | 98 | 99 | 99 | 99 |
| | Min Relative Humidity (%) | 84 | 79 | 85 | 94 | 87 |
| | Wind speed (kmph) | 7 | 7 | 4 | 4 | 4 |
| | Wind direction (deg) | 160 | 160 | 180 | 160 | 140 |
| HAZARIBAGH | Rainfall (mm) | 11 | 8 | 10 | 12 | 12 |
| | Max Temperature (deg C) | 31 | 30 | 30 | 30 | 30 |
| | Min Temperature (deg C) | 25 | 25 | 24 | 24 | 24 |
| | Total cloud cover (octa) | 8 | 8 | 8 | 6 | 8 |
| | Max Relative Humidity (%) | 95 | 97 | 97 | 98 | 99 |
| | Min Relative Humidity (%) | 85 | 78 | 83 | 91 | 87 |
| | Wind speed (kmph) | 9 | 9 | 7 | 4 | 4 |
| | Wind direction (deg) | 170 | 170 | 190 | 160 | 150 |
| RAMGARH | Rainfall (mm) | 11 | 8 | 10 | 12 | 12 |
| | Max Temperature (deg C) | 31 | 30 | 30 | 30 | 30 |
| | Min Temperature (deg C) | 25 | 25 | 24 | 24 | 24 |
| | Total cloud cover (octa) | 8 | 8 | 8 | 6 | 8 |
| | Max Relative Humidity (%) | 95 | 97 | 97 | 98 | 99 |
| | Min Relative Humidity (%) | 85 | 78 | 83 | 91 | 87 |
| | Wind speed (kmph) | 9 | 9 | 7 | 4 | 4 |
| | Wind direction (deg) | 170 | 170 | 190 | 160 | 150 |
| CHATRA | Rainfall (mm) | 12 | 11 | 10 | 10 | 12 |
| | Max Temperature (deg C) | 31 | 31 | 31 | 31 | 30 |
| | Min Temperature (deg C) | 25 | 25 | 25 | 25 | 25 |
| | Total cloud cover (octa) | 8 | 8 | 7 | 4 | 8 |
| | Max Relative Humidity (%) | 93 | 95 | 97 | 99 | 98 |
| | Min Relative Humidity (%) | 86 | 79 | 86 | 88 | 81 |
| | Wind speed (kmph) | 7 | 9 | 6 | 2 | 4 |
| | Wind direction (deg) | 180 | 170 | 200 | 180 | 240 |
| RANCHI | Rainfall (mm) | 10 | 8 | 10 | 10 | 10 |
| | Max Temperature (deg C) | 32 | 31 | 30 | 30 | 30 |
| | Min Temperature (deg C) | 25 | 25 | 25 | 25 | 25 |
| | Total cloud cover (octa) | 6 | 6 | 6 | 6 | 6 |
| | Max Relative Humidity (%) | 99 | 98 | 99 | 99 | 98 |
| | Min Relative Humidity (%) | 82 | 80 | 84 | 95 | 89 |
| | Wind speed (kmph) | 9 | 7 | 7 | 4 | 4 |
| | Wind direction (deg) | 180 | 180 | 210 | 200 | 240 |
| KHUNTI | Rainfall (mm) | 10 | 8 | 10 | 10 | 10 |
| | Max Temperature (deg C) | 32 | 31 | 30 | 30 | 30 |
| | Min Temperature (deg C) | 25 | 25 | 25 | 25 | 25 |
| | Total cloud cover (octa) | 6 | 6 | 6 | 6 | 6 |
| | Max Relative Humidity (%) | 99 | 98 | 99 | 99 | 98 |
| | Min Relative Humidity (%) | 82 | 80 | 84 | 95 | 89 |
| | Wind speed (kmph) | 9 | 7 | 7 | 4 | 4 |
| | Wind direction (deg) | 180 | 180 | 210 | 200 | 240 |

AMFU :RANCHI continued

| DISTRICTS | | FORECAST | | | | |
|-----------|---------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | DAY-1 21-07-10 | DAY-2 22-07-10 | DAY-3 23-07-10 | DAY-4 24-07-10 | DAY-5 25-07-10 |
| GUMLA | Rainfall (mm) | 11 | 6 | 8 | 13 | 17 |
| | Max Temperature (deg C) | 29 | 28 | 30 | 30 | 28 |
| | Min Temperature (deg C) | 25 | 24 | 24 | 24 | 24 |
| | Total cloud cover (octa) | 8 | 8 | 8 | 8 | 8 |
| | Max Relative Humidity (%) | 100 | 100 | 99 | 99 | 99 |
| | Min Relative Humidity (%) | 84 | 85 | 92 | 96 | 97 |
| | Wind speed (kmph) | 9 | 9 | 9 | 6 | 6 |
| | Wind direction (deg) | 180 | 200 | 210 | 220 | 260 |
| SIMDEGA | Rainfall (mm) | 11 | 6 | 8 | 13 | 17 |
| | Max Temperature (deg C) | 29 | 28 | 30 | 30 | 28 |
| | Min Temperature (deg C) | 25 | 24 | 24 | 24 | 24 |
| | Total cloud cover (octa) | 8 | 8 | 8 | 8 | 8 |
| | Max Relative Humidity (%) | 100 | 100 | 99 | 99 | 99 |
| | Min Relative Humidity (%) | 84 | 85 | 92 | 96 | 97 |
| | Wind speed (kmph) | 9 | 9 | 9 | 6 | 6 |
| | Wind direction (deg) | 180 | 200 | 210 | 220 | 260 |
| LOHARDAGA | Rainfall (mm) | 10 | 9 | 10 | 13 | 14 |
| | Max Temperature (deg C) | 29 | 28 | 28 | 29 | 27 |
| | Min Temperature (deg C) | 23 | 23 | 23 | 23 | 23 |
| | Total cloud cover (octa) | 8 | 8 | 8 | 6 | 8 |
| | Max Relative Humidity (%) | 99 | 99 | 98 | 98 | 98 |
| | Min Relative Humidity (%) | 90 | 82 | 87 | 91 | 90 |
| | Wind speed (kmph) | 11 | 11 | 7 | 4 | 4 |
| | Wind direction (deg) | 200 | 190 | 210 | 250 | 320 |
| PALAMAU | Rainfall (mm) | 10 | 10 | 8 | 8 | 8 |
| | Max Temperature (deg C) | 32 | 31 | 32 | 32 | 30 |
| | Min Temperature (deg C) | 26 | 26 | 26 | 26 | 26 |
| | Total cloud cover (octa) | 6 | 6 | 8 | 6 | 8 |
| | Max Relative Humidity (%) | 95 | 95 | 97 | 98 | 98 |
| | Min Relative Humidity (%) | 87 | 80 | 85 | 85 | 83 |
| | Wind speed (kmph) | 4 | 6 | 4 | 2 | 6 |
| | Wind direction (deg) | 220 | 180 | 220 | 200 | 300 |
| GARHWA | Rainfall (mm) | 10 | 10 | 8 | 8 | 8 |
| | Max Temperature (deg C) | 32 | 31 | 31 | 31 | 30 |
| | Min Temperature (deg C) | 26 | 26 | 25 | 25 | 25 |
| | Total cloud cover (octa) | 6 | 6 | 6 | 6 | 6 |
| | Max Relative Humidity (%) | 94 | 95 | 97 | 97 | 98 |
| | Min Relative Humidity (%) | 89 | 82 | 87 | 78 | 87 |
| | Wind speed (kmph) | 6 | 6 | 6 | 6 | 6 |
| | Wind direction (deg) | 220 | 200 | 210 | 260 | 280 |
| LATEHAR | Rainfall (mm) | 10 | 10 | 8 | 8 | 8 |
| | Max Temperature (deg C) | 32 | 31 | 31 | 31 | 30 |
| | Min Temperature (deg C) | 26 | 26 | 25 | 25 | 25 |
| | Total cloud cover (octa) | 6 | 6 | 6 | 6 | 6 |
| | Max Relative Humidity (%) | 94 | 95 | 97 | 97 | 98 |
| | Min Relative Humidity (%) | 89 | 82 | 87 | 78 | 87 |
| | Wind speed (kmph) | 6 | 6 | 6 | 6 | 6 |
| | Wind direction (deg) | 220 | 200 | 210 | 260 | 280 |

AMFU :DUMKA (Districts: Dumka, Sahebganj, Godda, Pakur, Deoghar, Giridih, Dhanbad, Jamtara, Koderma)

| DISTRICTS | | FORECAST | | | | |
|-----------|---------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | DAY-1 21-07-10 | DAY-2 22-07-10 | DAY-3 23-07-10 | DAY-4 24-07-10 | DAY-5 25-07-10 |
| SAHEBGANJ | Rainfall (mm) | 11 | 5 | 10 | 10 | 10 |
| | Max Temperature (deg C) | 35 | 35 | 34 | 34 | 34 |
| | Min Temperature (deg C) | 26 | 26 | 26 | 26 | 25 |
| | Total cloud cover (octa) | 6 | 6 | 6 | 6 | 6 |
| | Max Relative Humidity (%) | 98 | 99 | 98 | 100 | 99 |
| | Min Relative Humidity (%) | 90 | 89 | 93 | 76 | 81 |
| | Wind speed (kmph) | 11 | 11 | 7 | 7 | 7 |
| | Wind direction (deg) | 150 | 160 | 160 | 130 | 120 |
| GODDA | Rainfall (mm) | 10 | 10 | 10 | 10 | 10 |
| | Max Temperature (deg C) | 32 | 30 | 30 | 31 | 33 |
| | Min Temperature (deg C) | 26 | 26 | 26 | 26 | 26 |
| | Total cloud cover (octa) | 8 | 8 | 7 | 8 | 8 |
| | Max Relative Humidity (%) | 97 | 97 | 98 | 98 | 98 |
| | Min Relative Humidity (%) | 90 | 88 | 91 | 78 | 79 |
| | Wind speed (kmph) | 9 | 11 | 9 | 7 | 7 |
| | Wind direction (deg) | 140 | 150 | 140 | 120 | 100 |
| PAKUR | Rainfall (mm) | 7 | 7 | 11 | 10 | 11 |
| | Max Temperature (deg C) | 31 | 30 | 30 | 31 | 32 |
| | Min Temperature (deg C) | 26 | 26 | 25 | 25 | 25 |
| | Total cloud cover (octa) | 8 | 8 | 8 | 8 | 8 |
| | Max Relative Humidity (%) | 98 | 99 | 99 | 100 | 99 |
| | Min Relative Humidity (%) | 92 | 87 | 92 | 76 | 82 |
| | Wind speed (kmph) | 11 | 11 | 11 | 7 | 7 |
| | Wind direction (deg) | 150 | 160 | 160 | 140 | 120 |
| DUMKA | Rainfall (mm) | 7 | 10 | 10 | 10 | 10 |
| | Max Temperature (deg C) | 32 | 31 | 30 | 30 | 31 |
| | Min Temperature (deg C) | 26 | 26 | 25 | 25 | 25 |
| | Total cloud cover (octa) | 8 | 8 | 8 | 8 | 8 |
| | Max Relative Humidity (%) | 99 | 99 | 99 | 100 | 99 |
| | Min Relative Humidity (%) | 94 | 88 | 91 | 79 | 82 |
| | Wind speed (kmph) | 11 | 13 | 9 | 7 | 9 |
| | Wind direction (deg) | 160 | 160 | 150 | 140 | 120 |
| DEOGHAR | Rainfall (mm) | 5 | 10 | 10 | 10 | 10 |
| | Max Temperature (deg C) | 31 | 31 | 28 | 29 | 31 |
| | Min Temperature (deg C) | 25 | 25 | 25 | 25 | 25 |
| | Total cloud cover (octa) | 8 | 8 | 7 | 8 | 8 |
| | Max Relative Humidity (%) | 98 | 100 | 99 | 99 | 99 |
| | Min Relative Humidity (%) | 94 | 86 | 90 | 83 | 83 |
| | Wind speed (kmph) | 13 | 15 | 9 | 9 | 7 |
| | Wind direction (deg) | 150 | 160 | 150 | 140 | 110 |
| GIRIDIH | Rainfall (mm) | 5 | 10 | 10 | 11 | 10 |
| | Max Temperature (deg C) | 31 | 31 | 29 | 30 | 31 |
| | Min Temperature (deg C) | 25 | 25 | 25 | 25 | 25 |
| | Total cloud cover (octa) | 8 | 8 | 8 | 8 | 8 |
| | Max Relative Humidity (%) | 98 | 99 | 99 | 99 | 100 |
| | Min Relative Humidity (%) | 88 | 86 | 89 | 90 | 83 |
| | Wind speed (kmph) | 13 | 13 | 7 | 7 | 7 |
| | Wind direction (deg) | 160 | 160 | 150 | 140 | 110 |

AMFU : DUMKA continued

| DISTRICTS | | FORECAST | | | | |
|-----------|---------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | DAY-1 21-07-10 | DAY-2 22-07-10 | DAY-3 23-07-10 | DAY-4 24-07-10 | DAY-5 25-07-10 |
| DHANBAD | Rainfall (mm) | 7 | 8 | 10 | 10 | 10 |
| | Max Temperature (deg C) | 32 | 31 | 29 | 29 | 30 |
| | Min Temperature (deg C) | 25 | 25 | 25 | 25 | 25 |
| | Total cloud cover (octa) | 8 | 8 | 8 | 8 | 8 |
| | Max Relative Humidity (%) | 99 | 99 | 100 | 100 | 99 |
| | Min Relative Humidity (%) | 90 | 83 | 87 | 89 | 82 |
| | Wind speed (kmph) | 11 | 11 | 7 | 7 | 4 |
| | Wind direction (deg) | 150 | 160 | 140 | 140 | 120 |
| JAMTARA | Rainfall (mm) | 7 | 8 | 10 | 10 | 10 |
| | Max Temperature (deg C) | 32 | 31 | 29 | 29 | 30 |
| | Min Temperature (deg C) | 25 | 25 | 25 | 25 | 25 |
| | Total cloud cover (octa) | 8 | 8 | 8 | 8 | 8 |
| | Max Relative Humidity (%) | 99 | 99 | 100 | 100 | 99 |
| | Min Relative Humidity (%) | 90 | 83 | 87 | 89 | 82 |
| | Wind speed (kmph) | 11 | 11 | 7 | 7 | 4 |
| | Wind direction (deg) | 150 | 160 | 140 | 140 | 120 |
| KODERMA | Rainfall (mm) | 9 | 10 | 12 | 8 | 12 |
| | Max Temperature (deg C) | 32 | 30 | 29 | 30 | 31 |
| | Min Temperature (deg C) | 25 | 25 | 24 | 25 | 25 |
| | Total cloud cover (octa) | 8 | 8 | 8 | 8 | 8 |
| | Max Relative Humidity (%) | 96 | 98 | 99 | 99 | 100 |
| | Min Relative Humidity (%) | 84 | 84 | 84 | 92 | 81 |
| | Wind speed (kmph) | 11 | 11 | 7 | 7 | 7 |
| | Wind direction (deg) | 160 | 160 | 160 | 150 | 120 |

AMFU :DARISAI (Districts: West Singhbhum, East singhbhum, Saraikela

| DISTRICTS | | FORECAST | | | | |
|------------------|---------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| | | DAY-1 21-07-10 | DAY-2 22-07-10 | DAY-3 23-07-10 | DAY-4 24-07-10 | DAY-5 25-07-10 |
| WEST SINGBHUM | Rainfall (mm) | 9 | 4 | 7 | 15 | 15 |
| | Max Temperature (deg C) | 33 | 32 | 31 | 30 | 28 |
| | Min Temperature (deg C) | 25 | 25 | 25 | 25 | 24 |
| | Total cloud cover (octa) | 8 | 8 | 8 | 8 | 8 |
| | Max Relative Humidity (%) | 96 | 96 | 98 | 98 | 98 |
| | Min Relative Humidity (%) | 82 | 80 | 84 | 93 | 93 |
| | Wind speed (kmph) | 7 | 6 | 6 | 4 | 6 |
| | Wind direction (deg) | 170 | 180 | 220 | 230 | 220 |
| EAST SINGBHUM | Rainfall (mm) | 4 | 4 | 5 | 10 | 10 |
| | Max Temperature (deg C) | 36 | 36 | 35 | 35 | 35 |
| | Min Temperature (deg C) | 25 | 25 | 25 | 25 | 25 |
| | Total cloud cover (octa) | 2 | 7 | 6 | 6 | 6 |
| | Max Relative Humidity (%) | 97 | 98 | 98 | 98 | 97 |
| | Min Relative Humidity (%) | 84 | 84 | 84 | 84 | 84 |
| | Wind speed (kmph) | 7 | 4 | 4 | 4 | 4 |
| | Wind direction (deg) | 150 | 140 | 210 | 240 | 230 |
| SARAIKELA | Rainfall (mm) | 4 | 4 | 5 | 10 | 10 |
| | Max Temperature (deg C) | 36 | 36 | 35 | 35 | 35 |
| | Min Temperature (deg C) | 25 | 25 | 25 | 25 | 25 |
| | Total cloud cover (octa) | 2 | 7 | 6 | 6 | 6 |
| | Max Relative Humidity (%) | 97 | 98 | 98 | 98 | 97 |
| | Min Relative Humidity (%) | 84 | 84 | 84 | 84 | 84 |
| | Wind speed (kmph) | 7 | 4 | 4 | 4 | 4 |
| | Wind direction (deg) | 150 | 140 | 210 | 240 | 230 |

B. AGRO-ADVISORIES:-

AMFU : Ranchi, Dumka & Darisai (i.e for all Districts of Jharkhand)

Paddy:

Varieties: For Upland- a. Birsa Gora b. Birsa Vikash Dhan-109/110 c. Bandana d. Anjali. For Medium Land- a. IR-36 b. IR-64 c. Lalat d. MTU-1010 e. Abhishek f. Navin. For Low land- Shankar Dhan-KRH-2. Nursery: For 1000 sq.mts. fertilizer dose, Urea-2kg, SSP-6.25kg MOP-1.4 kg. Seed Rat: for direct sowing 100kg/hectare, for planting, 40-50kg/hect. Seed Treatment: Treated with Carbendazim 50% WP or Mancozeb 75% WP-2gm/kg of seed in 1 lt. of water. Long duration varieties are not advised to sown. Those farmers who have not sown the Paddy are suggested to sown short duration crop of paddy and may be suggested to direct sowing of these varieties. After 15- 20 days sowing of Paddy farmers are advised to give urea @ 2 kg/100Sq. mts.

Mixed cropping :

Farmers are suggested for mixed cropping, which may be followed with Paddy + Maize, Arhar + Maize, Arhar + Urad, Moong, Arhar + Groundnut.

Ragi:

Varieties are : Birsa Marua-2, A-404. Ragi crop should be sown in upland area.

Ginger/Turmeric/Oal:

Farmers are suggested to seed treatment with Mancozeb 45% w.p. or Trichoderma Viridi 5 gm will pasted in 1 kg. of Ginger, Turmeric or Oal. For one acre 8 quintal seed will be required, 80 Quintal compost + 80 Kg. urea + 120 kg SSP and 40 kg murate of Potash.

New Orchard:

For plantation of Mango, Guava, Lichi pit should be dug before onset of Monsoon. For Mango & Lichi distance between plant to plant should be 8 X 8 mts for Amrapali 5 X 5 mts. and that for Guava 6 X 6 mts. Pit should be covered with soil and the required amount of compost & chemical fertilizer. For one year plant of Mango, Lichi & Guava per pit compost 10 kg.+ Urea 200gm.+ SSP 150gm+MOP 100gm should be given.

Pulses:

Arhar- Varieties- Birsa Arhar-1, Bahar, Upas. Seed rate- 20kg/hect.

Urad- Varieties- T-9, Pant, U-19, Birsa Urad-1. Seed rate- 30kg/hect

Mung- Varieties- K-851, Pusa Visal. Seed rate- 30kg/hect. Fertilizer dose for Pulses- Urea-12kg, DAP-112kg, MOP-40kg per hectare. Seed treated with Carbendazim 50% WP or Mencozeb 75% WP- 2gm/kg of seed.

Groundnut:

Varieties-AK-12-24, Spanish, Birsa Bold-1, Birsa G/N-1,2,3, BG-2, JI-24, Virginia. Seedrate-75to80kg/hect. Fertiliser-Urea-12kg,DAP-112kg MOP-40kg/hect.

Til: Varieties are: 1. Kanke white 2. Krishna . Spacing: RxR- 30 cm & plant to plant-10 cm. Fertiliser: Urea 40 kg + SSP 35 kg + MOP 14 kg /hectare.

Maize:

Varieties are: Swan composit-1, HQPN-1 (100 days), Birsa Maize -1 (80-85 days), Birsa Vikash Maize -2 (70-75 days). Fertilizer Dose: Compost – 100 to 150 quintal per hectare, Urea- 80 kg, DAP-130 kg, MOP- 68 kg per hectare. Seed should be treated with carbendazim 2 gm/kg of seed. After 15-20 days of sowing apply Furadan @ 10-15 grains per cop.

Papaya:

Varities are: Pusa Majestic, Pusa Dwarf, Pusa Nanha, Pusa Giant, Pusa delicious, Kurg Honeydew. Distance between plant to plant should be 1.8 mts. & RxR 1.8 mts. Pit dimension should be maintained 0.5 x 0.5 x 0.5 mts. Pit should be covered with soil and the required amount of compost & chemical fertilizer.

(S. Hembrom)
Deputy Director Plant Protection
State Agriculture Dept, Ranchi.

(G.K.Mohanty)
Director
Meteorological Centre, Ranchi

Forwarded to : Director Agriculture, Ranchi, Jharkhand/Director AIR/Director D.D., Ranchi.
M.C.RANCHI UOI No. RNC-DAAS/II/ /20.07.2010

Forwarded to DDGM (Agrimet), Pune)
M.C.RANCHI UOI No. RNC-DAAS/II/ /20.07.2010

(G.K.Mohanty)
Director