

## State: Jammu and Kashmir

### Agriculture Contingency Plan for District: Jammu

| <b>1.0 District Agriculture profile*</b> |  |   |  |            |
|--|--|---|--|------------|
| <b>1.1</b>                               | <b>Agro-Climatic/Ecological Zone</b>   |   |  |            |
|  | Agro Ecological Sub Region (ICAR)  | Western Himalayas, Warm Subhumid (To Humid With Inclusion Of Perhumid) Eco-sub region. (14.2) |  |            |
|  | Agro-Climatic Zone (Planning Commission)   | Western Himalayan Region (I)  |  |            |
|  | Agro Climatic Zone (NARP)  | Low Altitude Sub-Tropical Zone (JK-1) & Mid to High Altitude Intermediate Zone (JK-2)         |  |            |
|  | List all the districts falling under the NARP Zone* (*>50% area falling in the zone)           | Doda, Jammu, Kathua, Udhampur   |  |            |
|  | Geographic coordinates of district headquarters head quarters                                  | Latitude  | Longitude                                    | Altitude   |
|  |  | 32 <sup>o</sup> .33 to 33 <sup>o</sup> . 07 N   | 74 <sup>o</sup> .27 to 77 <sup>o</sup> .21 E | 348 m AMSL |
|  | Name and address of the concerned ZRS/ ZARS/ RARS/ RRS/ RRTTS                                  | SKUAST-J, Main Campus Chatha  |  |            |
|  | Mention the KVK located in the district with full address                                      | KVK R. S. Pura  |  |            |
|  | Name and address of the nearest Agromet Field Unit (AMFU, IMD) for agro-advisories in the Zone | AMFU, Jammu   |  |            |

| 1.2 | Rainfall               | Normal RF(mm) | Normal Rainy days (number) | Normal Onset | Normal Cessation |
|-----|------------------------|---------------|----------------------------|--------------|------------------|
|     | SW monsoon (June-Sep): | 866.0         | 34                         | -            | -                |
|     | NE Monsoon(Oct-Dec):   | 62.9          | 4                          | -            | -                |
|     | Winter (Jan- February) | 97.3          | 9                          | -            | -                |
|     | Summer (March-May)     | 130.3         | 7                          | -            | -                |
|     | Annual                 |               |                            | -            | -                |

| 1.3 | Land use pattern of the district (latest statistics) | Geographical area | Cultivable area | Forest area | Land under non-agricultural use | Permanent pastures | Cultivable wasteland | Land under Misc. tree crops and groves | Barren and uncultivable land | Current fallows | Other fallows |
|-----|--|-------------------|-----------------|-------------|---------------------------------|--------------------|----------------------|--|------------------------------|-----------------|---------------|
|     | <b>Area (000'ha)</b>                                 | 237.024           | -               | 29.793      | 24.816                          | 6.335              | 17.925               | 7.728                                  | 44.173                       | 8.411           | .821          |

| 1.4 | Major Soils (common names like red sandy loam deep soils (etc.,))* | Area ('000 ha)** | Percent (%) of total geographical area |
|-----|--|------------------|--|
|     | Brown red soil   |                  |  |
|     | Sub mountainous soil   |                  |  |
|     | Hapludals  |                  |  |

| 1.5 | Agricultural land use | Area ('000 ha) | Cropping intensity % |
|-----|-----------------------|----------------|----------------------|
|     | Net sown area         | 81.192         | 209                  |

|                          |   |  |
|--------------------------|---|--|
| Area sown more than once | - |  |
| Gross cropped area       | - |  |

|   |  |                        |                |   |
|---|--|------------------------|----------------|---|
| <b>1.6</b>  | <b>Irrigation</b>  | Area ('000 ha)         |                |   |
|   | Net irrigated area   | 55.748                 |                |   |
|   | Gross irrigated area   |                        |                |   |
|   | Rainfed area   |                        |                |   |
|   | <b>Sources of Irrigation</b>   | Number                 | Area ('000 ha) | Percentage of total irrigated area  |
|   | Canals   |                        | 49.810         | -   |
|   | Tanks  |                        | 1.624          |   |
|   | Open wells   |                        | 2.400          |   |
|   | Bore wells/ Tube wells   | 46                     |                |   |
|   | Lift irrigation schemes  |                        |                |   |
|   | Micro-irrigation   |                        |                |   |
|   | Other sources (please specify)   |                        | 1914           |   |
|   | Total Irrigated Area   |                        |                |   |
|   | Pump sets  |                        |                |   |
|   | No. of Tractors  |                        |                |   |
|   | <b>Groundwater availability and use* (Data source: State/Central Ground water Department /Board)</b> | No. of blocks/ Tehsils | (%) area       | Quality of water (specify the problem such as high levels of arsenic, fluoride, saline etc) |
|   | Over exploited   |                        |                |   |
|   | Critical   |                        |                |   |
|   | Semi- critical   |                        |                |   |
|   | Safe   |                        |                |   |
|   | Wastewater availability and use  |                        |                |   |
|   | Ground water quality   |                        |                |   |
| *over-exploited: groundwater utilization > 100%; critical: 90-100%; semi-critical: 70-90%; safe: <70% |  |                        |                |   |

1.7 Area under major field crops & horticulture

| 1.7 | Major field crops cultivated | Area ('000 ha) |         |       |             |         |       |        |             |
|-----|------------------------------|----------------|---------|-------|-------------|---------|-------|--------|-------------|
|     |                              | <i>Kharif</i>  |         |       | <i>Rabi</i> |         |       |        |             |
|     |                              | Irrigated      | Rainfed | Total | Irrigated   | Rainfed | Total | Summer | Grand total |
|     | Rice                         | 33.33          | -       | -     | -           | 22.22   | -     | -      | -           |
|     | Maize                        | 3.44           | -       | -     | -           | 10.01   | -     | -      | -           |
|     | Wheat                        | 52.51          | -       | -     | -           | 35.10   | -     | -      | -           |
|     | Millets                      | -              | -       | -     | -           | 10.88   | -     | -      | -           |
|     | Pulses                       | -              | -       | -     | -           | 4.679   | -     | -      | -           |

|  | Horticulture crops - Fruits | Area ('000 ha) |           |                   |
|--|-----------------------------|----------------|-----------|-------------------|
|  |                             | Total          | Irrigated | Rainfed           |
|  | <b>Peach</b>                | -              | -         | <b>18.46 ha</b>   |
|  | <b>Citrus</b>               | -              | -         | <b>2143.90 ha</b> |
|  | <b>Mango</b>                | -              | -         | <b>2990.00 ha</b> |
|  | <b>Ber</b>                  | -              | -         | <b>2783.54 ha</b> |
|  | <b>Guava</b>                | -              | -         | <b>647 ha</b>     |
|  | <b>Horticulture crops -</b> | -              | -         | -                 |

|  |  |         |   |   |
|--|--|---------|---|---|
|  | <b>Vegetables</b>  |         |   |   |
|  | <b>Medicinal and Aromatic crops</b>  | -       | - | - |
|  | <b>Plantation crops</b>  | -       | - | - |
|  | <b>Fodder crops</b>  | -       | - | - |
|  | <b>Total fodder crop area</b>  | -       | - | - |
|  | <b>Grazing land, reserve areas etc</b>   | 3995 ha |   |   |
|  | <b>Availability of unconventional feeds/by products eg., breweries waste, food processing, fermented feeds bamboo shoots, fish etc</b> | -       | - | - |
|  | <b>Sericulture etc</b>   | -       | - | - |
|  | <b>Other agro enterprises (mushroom cultivation etc specify)</b>   |         |   |   |
|  | <b>Others (specify)</b>  |         |   |   |

|             |  |   |                                  |                          |                                    |  |   |
|-------------|--|---|----------------------------------|--------------------------|------------------------------------|--|---|
| <b>1.8</b>  | <b>Livestock</b>                                       | <b>Male (lakhs)</b>                                 | <b>Female (lakhs)</b>            | <b>Total (lakhs)</b>     |                                    |  |   |
|             | Indigenous cattle                                      | 0.2   | 1.60                             | 2.08                     |                                    |  |   |
|             | Improved / Crossbred cattle                            |   |                                  |                          |                                    |  |   |
|             | Buffaloes (local low yielding)                         | 0.065   | 1.30                             | 1.615                    |                                    |  |   |
|             | Improved Buffaloes                                     |   |                                  |                          |                                    |  |   |
|             | Goat   |   |                                  | 1.54                     |                                    |  |   |
|             | Sheep  |   |                                  | 0.59                     |                                    |  |   |
|             | Pig  |   |                                  | 0.005                    |                                    |  |   |
|             | Mithun   |   |                                  |                          |                                    |  |   |
|             | Yak  |   |                                  |                          |                                    |  |   |
|             | Others (Horse, mule, donkey etc., specify)             |   |                                  | 0.060; ; 0.010           |                                    |  |   |
|             | Commercial dairy farms (Number)                        |   |                                  |                          |                                    |  |   |
| <b>1.9</b>  | <b>Poultry</b>   | <b>No. of farms</b>                                 | <b>Total No. of birds ('000)</b> |                          |                                    |  |   |
|             | Commercial   |   | 6.533 lakhs                      |                          |                                    |  |   |
|             | Backyard   |   |                                  |                          |                                    |  |   |
| <b>1.10</b> | <b>Fisheries (Data source: Chief Planning Officer)</b> |   |                                  |                          |                                    |  |   |
|             | <b>A. Capture</b>                                      |   |                                  |                          |                                    |  |   |
|             | <b>i) Marine</b> (Data Source: Fisheries Department)   | <b>No. of fishermen</b><br><b>1212 (registered)</b> | <b>Boats</b>                     |                          | <b>Nets</b>                        |  | <b>Storage facilities (Ice plants etc.)</b> |
|             |  |   | Mechanized                       | Non-mechanized           | Mechanized (Trawl nets, Gill nets) | Non-mechanized (Shore Seines, Stake & trap nets) |   |
|             |  |   |                                  |                          |                                    |  |   |
|             | <b>ii) Inland</b> (Data Source: Fisheries Department)  | <b>No. Farmer owned ponds</b>                       |                                  | <b>No. of Reservoirs</b> |                                    | <b>No. of village tanks</b>                      |   |
|             |  |   |                                  |                          |                                    |  |   |
|             | <b>B. Culture</b>                                      |   |                                  |                          |                                    |  |   |
|             |  |   | <b>Water Spread Area (ha)</b>    | <b>Yield (t/ha)</b>      | <b>Production ('000 tons)</b>      |  |   |

|  |   |  |  |           |
|--|---|--|--|-----------|
|  | i) <b>Brackish water</b> (Data Source: MPEDA/ Fisheries Department) |  |  | 7520 qtls |
|  | ii) <b>Fresh water</b> (Data Source: Fisheries Department)          |  |  |           |
|  | <b>Others</b>   |  |  |           |

### 1.11 Production and Productivity of major crops

| 1.11   | Name of crop | Kharif              |                      | Rabi                |                      | Summer              |                      | Total               |                      | Crop residue as fodder ('000 tons) |
|--|--------------|---------------------|----------------------|---------------------|----------------------|---------------------|----------------------|---------------------|----------------------|------------------------------------|
|  |              | Production ('000 t) | Productivity (kg/ha) | Production ('000 t) | Productivity (kg/ha) | Production ('000 t) | Productivity (kg/ha) | Production ('000 t) | Productivity (kg/ha) |                                    |
| <b>Major Field crops (Crops to be identified based on total acreage)</b>         |              |                     |                      |                     |                      |                     |                      |                     |                      |                                    |
|  | Rice         | 1085.28             | 19.53 q/ha           | -                   | -                    | -                   | -                    | -                   | -                    | -                                  |
|  | Maize        | 1738.53             | 20.99 q/ha           | -                   | -                    | -                   | -                    | -                   | -                    | -                                  |
|  | Wheat        | 303.35              | 19.86 q/ha           | -                   | -                    | -                   | -                    | -                   | -                    | -                                  |
|  | Millets      | 21.41               |                      | -                   | -                    | -                   | -                    | -                   | -                    | -                                  |
|  | Pulses       | 113.00              |                      | -                   | -                    | -                   | -                    | -                   | -                    | -                                  |
| <b>Major Horticultural crops (Crops to be identified based on total acreage)</b> |              |                     |                      |                     |                      |                     |                      |                     |                      |                                    |

| 1.12 | Sowing window for 5 major field crops | Rice | Maize | Greengram / Mash | Wheat | Oilseeds |
|------|---------------------------------------|------|-------|------------------|-------|----------|
|      | Kharif- Rainfed                       | √    | √     | √                | √     |          |
|      | Kharif-Irrigated                      | √    |       |                  | √     |          |
|      | Rabi- Rainfed                         |      |       |                  |       | √        |
|      | Rabi-Irrigated                        |      |       |                  |       |          |
|      | Summer-irrigated                      |      |       |                  |       |          |

|                |  |  |  |  |  |
|----------------|--|--|--|--|--|
| Summer-rainfed |  |  |  |  |  |
|----------------|--|--|--|--|--|

| 1.13 | What is the major contingency the district is prone to? (Tick mark) | Regular* | Occasional | None |
|------|---|----------|------------|------|
|      | Drought   | √        |            |      |
|      | Flood   | √        |            |      |
|      | Cyclone   |          |            | √    |
|      | Hail storm  | √        |            |      |
|      | Heat wave   | √        |            |      |
|      | Cold wave   | √        |            |      |
|      | Frost   | √        |            |      |
|      | Sea water intrusion   |          |            | √    |
|      | Snowfall  | √        |            |      |
|      | Landslides  | √        |            |      |
|      | Earthquake  | √        |            |      |
|      | Pests and disease outbreak (specify)                                | √        |            |      |
|      | Others (like fog, cloud bursting etc.)                              | √        |            |      |

\*When contingency occurs in six out of 10 years

| 1.14 | Include Digital maps of the district for |   |               |
|------|--|---|---------------|
|      |  | Location map of district within State as Annexure I | Enclosed: Yes |
|      |  | Mean annual rainfall as Annexure 2                  | Enclosed: No  |
|      |  | Soil map as Annexure 3                              | Enclosed:No   |



Annexure-I

*JAMMU AND KASHMIR*





## 2.0 Strategies for weather related contingencies

### 2.1 Drought sss

#### 2.1.1 Rainfed situation (JAMMU) Normal onset & Withdrawal of monsoon: 27<sup>th</sup> June ± 10 days & 21<sup>st</sup> Sept. ± 7 days

| Condition  |  |   | Suggested Contingency measures  |   |                           |
|--|--|---|---|---|---------------------------|
| Early season drought (delayed onset)   | Major Farming situation                                  | Normal Crop / Cropping system                   | Change in crop / cropping system including variety  | Agronomic measures  | Remarks on Implementation |
| Delay by 2 weeks<br>(5 <sup>th</sup> to 15 <sup>th</sup> July)*<br>27 <sup>th</sup> & 28 <sup>th</sup> SMW | High Rainfall<br>Sandy loam soils<br>Sub-Tropical region | <b>Maize</b>                                    | <b>Maize</b><br>(Hybrid: GS-2, Kanchan 517, double dekalb)<br>Composites : Mansar(C-2), Trikuta, C-8,<br>Intercropping of Maize+ pulse (2:1)  | <ul style="list-style-type: none"> <li>For achieving the optimum plant population in crust prone areas, amendments like Branker leaves, FYM, Cowpea straw of 1 cm thick layers may be used on the sown rows.</li> <li>Conserve soil moisture by laying mulches</li> <li>Use foliar application of urea (3%) during dry spells before silking</li> </ul> | -                         |
|  |  | Pulses :Mash (Black gram)<br>Green Gram (Moong) | Pulses : Mash var. Pant U-19, Ultra<br>Green Gram: PDM-54, ML-131<br>Mash 338   | <ul style="list-style-type: none"> <li>Ploughing/Sowing across the slope</li> <li>Compartmental bunding is done to conserve the water</li> </ul>  |                           |
|  |  | <b>Sesame</b>                                   | ➤ <b>Sesame (PB Til-1)</b>  | <ul style="list-style-type: none"> <li>Ploughing/Sowing across the slope</li> <li>Compartmental bunding is done to conserve the water</li> </ul>  |                           |
|  |  | <b>Bajra</b><br>(Hybrid: MHB-110, MH-179)       | <ul style="list-style-type: none"> <li>Intercropping of <b>bajra</b> (Composite: WCC-75, I-CMS-7703) + <b>cowpea</b> (C-152, PS-42, Culture-1) / <b>urd</b> (Pant U-19, Uttara) / <b>moong</b> (PDM-54, ML-131, ML-818).</li> </ul> | <ul style="list-style-type: none"> <li>Compartmental bunding is done to conserve the water</li> </ul>   |                           |

| Condition   |  |                                   | Suggested Contingency measures  |   |                           |
|---|--|-----------------------------------|---|---|---------------------------|
| Early season drought (delayed onset)  | Major Farming situation                                  | Normal Crop / Cropping system     | Change in crop / cropping system <sup>c</sup> including variety   | Agronomic measures  | Remarks on Implementation |
| Delay by 4 weeks<br><br>(16 <sup>th</sup> to 31 <sup>st</sup> July)*<br><br>29 <sup>th</sup> & 30 <sup>th</sup> SMW | High rainfall<br>Sandy loam soils<br>Sub-Tropical region | Maize (Hybrid: GS-2, Kanchan 517) | <ul style="list-style-type: none"> <li>➤ In last week of July: Maize (fodder)</li> <li>➤ Fodder: Mixed fodder of maize (African tall) + cowpea (EC 4216, Type-2)/ cluster bean (Ageta-Guara-III).</li> <li>➤ Maize (African tall) + cowpea (EC-4216, Type-2)</li> <li>➤ Bajra (WCC-75, ICMS-7703) + cowpea (EC-4216, Type-2)</li> <li>➤ Jowar + cowpea (EC-4216, Type-2)</li> </ul> | <ul style="list-style-type: none"> <li>• Ploughing/ Ridges and furrow/ /sowing should be done across the slope to conserve moisture</li> <li>• For achieving the optimum plant population in crust prone areas, amendments like Branker leaves, FYM, Cowpea straw of 1 cm thick layers may be used on the sown rows.</li> <li>• Conserve soil moisture by laying mulches</li> <li>• Use foliar application of urea (3%) during dry spells before silking</li> </ul> |                           |
|   |  | Green gram/ black gram            | <ul style="list-style-type: none"> <li>➤ Local cultivars of green gram or black gram re recommended</li> </ul>  | <ul style="list-style-type: none"> <li>• Ploughing/Sowing across the slope</li> <li>• Compartmental bunding is done to conserve the water</li> </ul>  |                           |
|   |  | Bajra                             | Bajra<br>MHB-110, MH-179  | <ul style="list-style-type: none"> <li>• Ploughing/Sowing across the slope</li> <li>➤ Compartmental bunding is done to conserve the water</li> </ul>  |                           |
|   |  | Sesame                            | <ul style="list-style-type: none"> <li>➤ Intercropping of sesame (Punjab Til-1) + black gram (Local)</li> </ul>   | <ul style="list-style-type: none"> <li>➤ Sesame and black gram should be intercropped with 1 : 1 ratio by following 'Kera' method of sowing.</li> </ul>   |                           |

| Condition   |  |                               | Suggested Contingency measures   |  |                           |
|---|--|-------------------------------|--|--|---------------------------|
| Early season drought (delayed onset)  | Major Farming situation                                  | Normal Crop / Cropping system | Change in crop / cropping system including variety   | Agronomic measures   | Remarks on Implementation |
| Delay by 6 weeks<br>(1 <sup>st</sup> to 14 <sup>th</sup> August)<br>31 <sup>st</sup> & 32 <sup>nd</sup> SMW | High rainfall<br>Sandy loam soils<br>Sub-Tropical region | Maize (fodder)                | Maize (African tall) + cowpea (EC-4216, Type-2) for fodder purposes                                  | <ul style="list-style-type: none"> <li>• Ploughing/Sowing across the slope</li> <li>• Compartmental bunding is done to conserve the water</li> </ul> |                           |
|   |  | Green gram/                   | Green gram (Local) for green manure and moisture conservation for next season purposes.              |  |                           |
|   |  | Black gram                    | Black gram var. utera can be sown under late condition   |  |                           |
|   |  | Mixed fodder                  | Bajra (WCC-75, ICMS-7703) + cowpea (EC-4216, Type-2) for fodder.<br>Jowar + cowpea (EC-4216, Type-2) |  |                           |

| Condition   |  |  | Suggested Contingency measures  |  |                           |
|---|--|--|---|--|---------------------------|
| Early season drought (delayed onset)  | Major Farming situation <sup>a</sup>                     | Normal Crop / Cropping system <sup>b</sup> | Change in crop / cropping system including variety                        | Agronomic measures   | Remarks on Implementation |
| Delay by 8 weeks<br>(15 <sup>th</sup> to 30 <sup>th</sup> August)*<br>33 <sup>rd</sup> & 34 <sup>th</sup> SMW | High rainfall<br>Sandy loam soils<br>Sub-Tropical region | Early sown toria crop                      | Keep fallow for subsequent cultivation of <i>Toria</i> (local or RSPT-1). | Residual moisture of receding monsoon rains should be conserved in-situ through tillage practice<br><ul style="list-style-type: none"> <li>• Ploughing/Sowing across the slope</li> <li>• Compartmental bunding is done to conserve the water</li> </ul> Residual moisture of receding monsoon rains should be conserved in-situ through tillage |                           |
|   |  | Mixed fodder                               | Maize/Bajra/Jowar + Cowpea (for fodder)                                   |  |                           |
|   |  | Green gram/black gram                      | For green manuring purposes   |  |                           |

|  |  |  |  |          |  |
|--|--|--|--|----------|--|
|  |  |  |  | practice |  |
|--|--|--|--|----------|--|

### Jammu region

The J& K state comprises of different regions like Jammu region, Kashmir region and Leh & Ladakh region.

Each region has various agroclimatic zones and in particular to Jammu region consists of following zones:

- I. Temperate
- II. Intermediate
- III. Sub-tropical

|                              |   |   |
|------------------------------|---|---|
| Temperate                    | Doda, Poonch Rajouri, part of Kathua (Pir-Panchal range) Ramban, Kishtwar | <b>Maize:</b> Sowing is accomplished during the <b>second fortnight of April</b> . Moisture received from local rains during <b>April</b> .     |
| Intermediate (2000-4000 ft)  | Part of Rajouri, Udamampur, Part of Reasi, part of Kathua                 | <b>Maize:</b> Sowing accomplished in <b>May</b> . Moisture received from local rains during month of <b>May</b> .                               |
| Sub-tropical (below 2000 ft) | Jammu, Samba, Part of Kathua, Reasi, part of Rajouri                      | <b>Maize:</b> Sowing is accomplished in <b>June</b> , soon after receipt of pre-monsoon which is received during the <b>last week of June</b> . |

- Under temperate and intermediate region sowing of *kharif* crop done on the basis of melting of snow, provided sufficient moisture in the soil.
- Under intermediate region enough rainfall for sowing of *kharif* crop during summer months due to local factors

**General agronomic practices to be adopted for different crops under various agroclimatic conditions are as follows:**

- **Maize + Rajmash**                      **Nitrogen : P<sub>2</sub>O<sub>5</sub> : K<sub>2</sub>O**  
60    40                      20                      kg/ha  
(Delay in rain)                      45                      30                      15 kg/ha (25% reduction)
- **Maize + Cowpea 30**                      30                      15 kg/ha (50% reduction in N)  
(Since Cowpea is leguminous crop, there would be a reduction of N by 50%. However, reduction of P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O would remain as earlier i.e. 25%)
- **Rice** (Delay onset)
  - 1) Seedling number/hill should be increased (Normal: 2, Increased 3 to 4)
  - 2) Spacing should be closer (Normal: 20 x 20 cm, Closer 15 x 15 cm)
  - 3) Increase the dose of fertilizer by 25%.
  - 4) Minimum 5t/ha (optimum: 10-15 t/ha) organic manure should be applied.
  - 5) Rainfed rice: a) Direct seeding, b) Higher seed rate, c) Weed management.
- **Maize** (Delay onset)
  - 1) Intercropping of maize with legume (e.g. cowpea, or mash, or moong)
  - 2) Sowing across the slope i.e. adoption of ridge and furrow configuration.
  - 3) Integrated weed management (W.M): Atrazin @ 1 kg a. i./ha (pre-emergence) + One hand-weeding at 3 week after sowing + earthing-up at 6 WAS.

➤ Rice

|          | <b>Temperate</b>                                     | <b>Intermediate</b>                                  | <b>Sub-tropical</b>                                  |
|----------|--|--|--|
| Rajouri  | Irrigated rice<br>(K-39, K-448, China-1039, Giza-14) | Irrigated rice<br>(Giza-14, K-39, K-343, China-1039) | Irrigated rice<br>(Giza-14, K-39, K-343, China-1039) |
| Ramban   | Irrigated rice                                       | Irrigated rice                                       | Irrigated rice                                       |
| Doda     | Irrigated rice                                       | Irrigated rice                                       | -----  |
| Udhampur | Rainfed rice   | Rainfed rice   | Rainfed rice   |
| Poonch   |  |  |  |
| Reasi    | Rainfed rice<br>(K-373)                              | -----  | Rainfed rice<br>(PC-19)                              |