



## GRAMIN KRISHI MAUSAM SEWA

Agromet Advisory Bulletin for Sub Tropical Conditions of Jammu Region  
 Issued Jointly by Sher-e-Kashmir University of Agricultural Sciences & Technology Jammu and  
 India Meteorological Department  
 Agromet Research Centre, SKUAST-Jammu, Chatha-180009  
 email:jmu.agrimet@gmail.com



### District : KATHUA

No. AUJ/Agromet/GKMS/24-25/280 - 83

Bulletin No:09/2024-25

Dated:30-04-2024

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#### Weather summary of previous 5 days 25<sup>th</sup> to 29<sup>th</sup> April , 2024)

|   |             |
|---|-------------|
| Range of Max. Temperature ( <sup>o</sup> C) | 27.4 – 36.4 |
| Range of Min. Temperature ( <sup>o</sup> C) | 19.4 – 20.8 |
| Range of Relative Humidity (%)              | NA          |
| Rainfall (mm)                               | 5.6         |

#### Ensembled forecast for next 5 days (0830 hrs 01<sup>st</sup> to 05<sup>th</sup> May, 2024)

| Date     | Rainfall (mm) | Tmax ( <sup>o</sup> C) | Tmin ( <sup>o</sup> C) | RH Morning (%) | RH Evening (%) | Wind Speed (kmph) | Wind Direction ( <sup>o</sup> ) | Cloud Cover (Octa) |
|----------|---------------|------------------------|------------------------|----------------|----------------|-------------------|---------------------------------|--------------------|
| 01-05-24 | 4             | 30                     | 17                     | 70             | 60             | 1                 | 45                              | 7                  |
| 02-05-24 | 0             | 33                     | 18                     | 60             | 50             | 1                 | 350                             | 3                  |
| 03-05-24 | 0             | 33                     | 18                     | 60             | 50             | 1                 | 357                             | 5                  |
| 04-05-24 | 0             | 34                     | 20                     | 60             | 50             | 1                 | 35                              | 8                  |
| 05-05-24 | 0             | 34                     | 20                     | 60             | 50             | 1                 | 356                             | 7                  |

Sky may remain partially cloudy to mainly cloudy with **chances of light rainfall on 1<sup>st</sup> May 2024**. The Maximum Temperature may range from 30<sup>o</sup>C to 34<sup>o</sup>C while the Minimum Temperature may range from 17<sup>o</sup>C to 20<sup>o</sup>C. Wind may blow from North Northerly Easterly to Northerly Westerly direction with the speed of about 1 km/hr. The morning relative humidity may range from 60% to 70% and evening relative humidity may range from 50% to 60% during this period.

As per Extended Range Forecast (ERF), Rainfall may remain below normal limits whereas Maximum and Minimum Temperature may remain moderately below normal limits in J&K Subdivision wef 05-05-2024 to 11-05-2024.

#### Weather Forecast Based Agromet Advisories W.E.F 0830 hrs 01<sup>st</sup> to 05<sup>th</sup> May, 2024

| Crop  | Stage/Cultural Operation                    | Weather based Agro- advisories  |
|---|---|---|
| <b>Wheat</b>                                | Physiological maturity/Harvesting/Threshing | Shift threshed crop immediately to safer places.<br>Keep the bundles of harvested crop in stacks and cover them with polythene sheets/Tarpaulin during rain.<br>Harvesting is recommended after receipt of rain during clear weather.<br>Threshing of crop is recommended during clear weather after proper drying. |
| <b>Mustard</b>                              | Threshing                                   | Shift threshed crop immediately to safer places.<br>Keep the bundles of harvested crop in stacks and cover them with polythene sheets/ Tarpaulin during rain.<br>Threshing of crop is recommended during clear weather after proper drying.   |
| <b>Pulses</b><br>Summer pulses (moong/mash) | Sowing                                      | Farmers may go for sowing of Mash (var.) Pant U-19, Uttara and Moong (var.) PDM-54, ML-131, ML 818, PS-16, PS-7 during clear weather at vattar condition of soil.   |
| Chickpea/lentil/<br>Field pea               | Harvesting                                  | Shift threshed crop immediately to safer places.<br>Cover the harvested crop with polythene sheets/ Tarpaulin.<br>Harvesting is recommended after receipt of rain during clear  |



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|  |                                   |  |
|--|-----------------------------------|--|
|  |                                   | <p>weather.</p> <p>Threshing of crop is recommended during clear weather after proper drying.</p>  |
| <b>Fodder</b><br>Summer fodder                 | Sowing                            | Farmers may go for sowing of summer fodder (maize+cowpea+charri) and bajra during clear weather.   |
| <b>Floriculture</b><br>Summer annuals          | Nursery Seed                      | Farmers can resort to nursery land preparation for summer annuals during clear weather at vattar condition of soil. Add 5kg FYM/ m <sup>2</sup> at the time of land preparation.   |
|  | Early vegetative                  | Hoeing and weeding is recommended.   |
| Chrysanthemum                                  | Mother stock                      | Cover Mother stock with shade net.   |
| Ornithogalum/<br>Rose                          | Full bloom                        | Hoeing and weeding is recommended.   |
| <b>Vegetables:</b><br><b>Cucurbits</b>         | Vegetative stage                  | Install 5 pheromone traps per kanal, if fruit fly is observed. Spray Dithane M-45 @2-5gm/lit of water during clear to control downey mildew.   |
| <b>Tomato/brinjal</b>                          | Fruiting/flowering/<br>vegetative | Monitor tomato crop for leaf curl. Remove virus infected plants. Spray imidacloprid @ 0.5ml/lit of water during clear weather to check further spread of disease by whitefly.  |
| <b>Okra</b>                                    | vegetative                        | If yellow leaves (YVMV) are observed, uproot and bury deep in soil and wash hands after that.  |
| <b>Horticulture:</b><br>Mango/Citrus/<br>Guava | Young/ Bearing                    | White wash the tree trunks with slaked lime and copper sulphate during clear weather against sunburn and fungal diseases.<br>Spray 2,4-D @ 10ppm during clear weather against citrus fruit drop in citrus.<br>Spray dimethoate @1ml/lit during clear weather against hoppers in mango. |
| <b>Button mushroom</b><br>Oyster mushroom      | Spawn run                         | Open the bags after complete spawn run (15-20 days). Maintain temperature to 22-28 <sup>o</sup> C and humidity to 85-90%.  |
|  | Fruiting                          | Temperature to be maintained for Button Mushroom produced in upper reaches of Jammu region is 16-18 <sup>o</sup> C and humidity to be maintained at 85-90%.  |
| <b>Sericulture</b><br>Silkworm crop            | Harvested cocoon<br>crop          | Keep the bags in wire mesh covered racks to avoid rodent attack till marketing. Keep cocoon bags in well ventilated rooms to avoid dampness.   |
| <b>Apiculture</b>                              |                                   | It is the right time to start bee keeping especially for beginners as pollen and nectar are in plenty and bee activity is at its peak. Migrate bee colonies near to floral resources and shady places. Prepare colonies for honey flow. Ensure water availability near beehives.       |
| <b>Poultry</b>                                 |                                   | Avoid hurdling of chicks.<br>Adequate clean drinking water should be available all the time. Provide starter feed for first 14 days and provide finisher feed from 15 <sup>th</sup> day till sale.   |



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|                                      |                                   |  |
|--------------------------------------|-----------------------------------|--|
|                                      |                                   | Proper hygiene should be maintained.<br>Give vaccination against infectious bursal dermatitis IBD & Gumbroo at 7 <sup>th</sup> & 14 <sup>th</sup> day after birth.   |
| <b>Fisheries</b><br>Carp farming     | Advance<br>Fingerlings/ yearlings | Add supplementary feed (mustard oilcake and Rice/Wheat bran) @ 3% of total fish biomass on daily basis.<br>Farmers may go for partial harvesting/sale of marketable size<br>Farmers should go for liming (250-300kg/ha/yr) and manuring applications (10-20tons/ha/yr) at monthly interval in equal doses.<br>Farmers who are going to stock new seeds of fish in next month may go for pre-stocking management practices such as dewatering and sun drying (if possible), liming, manuring etc. |
| <b>Live stock:</b><br>Dairy animals/ |                                   | Provide hay of green forage like stala, lobia, maize, jowar and bajra etc. with kadbi and other green grasses to the milch animals to increase milk production and also to prevent from bloat (aafara).  |

**Ensembled Block Level Forecast for next 5 days (0830 hrs 01<sup>st</sup> to 05<sup>th</sup> May, 2024) for district Kathua**  
**Chances of light rainfall on 1<sup>st</sup>, 2<sup>nd</sup>, 4<sup>th</sup> & 5<sup>th</sup> May at isolated places locations.**

| DATE       | BLOCK NAME | Rain mm | Temp. Max °C | Temp. Min °C | RH Morn. (%) | RH Even. (%) | Wind Speed (kmph) | Wind Direction (deg) | Cloud Cover (octa) |
|------------|------------|---------|--------------|--------------|--------------|--------------|-------------------|----------------------|--------------------|
| 01-05-2024 | Baggan     | 0       | 29           | 16           | 38           | 20           | 12                | 26                   | 5                  |
| 02-05-2024 | Baggan     | 0       | 28.7         | 14.4         | 37           | 17           | 11                | 26                   | 1                  |
| 03-05-2024 | Baggan     | 0       | 29.9         | 16.6         | 30           | 13           | 12                | 23                   | 2                  |
| 04-05-2024 | Baggan     | 0       | 32.8         | 20.5         | 27           | 12           | 12                | 23                   | 7                  |
| 05-05-2024 | Baggan     | 0       | 34.9         | 18.9         | 36           | 13           | 12                | 26                   | 3                  |
| 01-05-2024 | Bani       | 3.9     | 28.4         | 14.1         | 60           | 35           | 12                | 26                   | 5                  |
| 02-05-2024 | Bani       | 0.5     | 26.8         | 12.8         | 51           | 27           | 10                | 20                   | 2                  |
| 03-05-2024 | Bani       | 0       | 29.3         | 14.8         | 43           | 24           | 11                | 23                   | 2                  |
| 04-05-2024 | Bani       | 0.2     | 32.1         | 18.7         | 43           | 22           | 11                | 23                   | 7                  |
| 05-05-2024 | Bani       | 1.3     | 32.3         | 17.1         | 56           | 27           | 10                | 30                   | 5                  |
| 01-05-2024 | Barnoti    | 0.1     | 30.7         | 17.4         | 34           | 15           | 11                | 296                  | 5                  |
| 02-05-2024 | Barnoti    | 0       | 29.1         | 16           | 30           | 14           | 7                 | 30                   | 0                  |
| 03-05-2024 | Barnoti    | 0       | 30.7         | 17.9         | 24           | 10           | 9                 | 26                   | 2                  |
| 04-05-2024 | Barnoti    | 0       | 34.1         | 22.5         | 21           | 9            | 11                | 15                   | 8                  |
| 05-05-2024 | Barnoti    | 0       | 36.3         | 20.4         | 25           | 10           | 11                | 23                   | 3                  |
| 01-05-2024 | Basohli    | 0       | 29.7         | 16.1         | 29           | 18           | 13                | 26                   | 5                  |
| 02-05-2024 | Basohli    | 0       | 29           | 13.8         | 32           | 14           | 9                 | 26                   | 0                  |
| 03-05-2024 | Basohli    | 0       | 29.6         | 15.7         | 27           | 11           | 11                | 23                   | 1                  |
| 04-05-2024 | Basohli    | 0       | 32.5         | 20.1         | 24           | 10           | 12                | 23                   | 7                  |
| 05-05-2024 | Basohli    | 0       | 34.9         | 18.9         | 30           | 10           | 13                | 23                   | 2                  |
| 01-05-2024 | Bhoond     | 0.2     | 28.8         | 15.3         | 38           | 20           | 13                | 26                   | 5                  |
| 02-05-2024 | Bhoond     | 0       | 28.6         | 13.5         | 36           | 15           | 10                | 26                   | 1                  |
| 03-05-2024 | Bhoond     | 0       | 29.7         | 15.4         | 31           | 13           | 11                | 23                   | 1                  |
| 04-05-2024 | Bhoond     | 0       | 32.5         | 19.5         | 28           | 11           | 11                | 23                   | 7                  |



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|            |                 |      |      |      |    |    |    |     |   |
|------------|-----------------|------|------|------|----|----|----|-----|---|
| 05-05-2024 | Bhoond          | 0.3  | 34.3 | 18   | 38 | 13 | 11 | 30  | 3 |
| 01-05-2024 | Billawar        | 0.2  | 29.2 | 16.2 | 37 | 19 | 11 | 23  | 5 |
| 02-05-2024 | Billawar        | 0    | 28.8 | 14.5 | 36 | 17 | 10 | 26  | 1 |
| 03-05-2024 | Billawar        | 0    | 29.9 | 16.7 | 29 | 13 | 11 | 26  | 2 |
| 04-05-2024 | Billawar        | 0    | 32.9 | 20.8 | 26 | 12 | 12 | 23  | 7 |
| 05-05-2024 | Billawar        | 0.1  | 34.9 | 19.1 | 34 | 12 | 12 | 26  | 3 |
| 01-05-2024 | Dhar-Mahanpur   | 0.1  | 29.5 | 16   | 34 | 19 | 12 | 26  | 5 |
| 02-05-2024 | Dhar-Mahanpur   | 0    | 29.1 | 14.2 | 35 | 16 | 9  | 26  | 1 |
| 03-05-2024 | Dhar-Mahanpur   | 0    | 29.7 | 16.1 | 29 | 12 | 11 | 23  | 1 |
| 04-05-2024 | Dhar-Mahanpur   | 0    | 32.6 | 20.3 | 26 | 11 | 11 | 23  | 7 |
| 05-05-2024 | Dhar-Mahanpur   | 0.2  | 35.2 | 18.9 | 34 | 12 | 11 | 30  | 3 |
| 01-05-2024 | Dinga-Amb       | 0    | 30.8 | 17.3 | 34 | 15 | 10 | 23  | 5 |
| 02-05-2024 | Dinga-Amb       | 0    | 28.9 | 15.8 | 31 | 14 | 8  | 23  | 0 |
| 03-05-2024 | Dinga-Amb       | 0    | 30.4 | 17.8 | 25 | 11 | 10 | 26  | 2 |
| 04-05-2024 | Dinga-Amb       | 0    | 34   | 22.2 | 22 | 9  | 11 | 26  | 8 |
| 05-05-2024 | Dinga-Amb       | 0    | 36   | 20.1 | 25 | 11 | 11 | 26  | 3 |
| 01-05-2024 | Duggan          | 20.4 | 27.7 | 13.3 | 84 | 65 | 10 | 56  | 6 |
| 02-05-2024 | Duggan          | 4.7  | 25.9 | 11.7 | 74 | 60 | 8  | 20  | 3 |
| 03-05-2024 | Duggan          | 0    | 28.6 | 13.9 | 61 | 54 | 9  | 23  | 3 |
| 04-05-2024 | Duggan          | 1.5  | 30.7 | 17.2 | 73 | 55 | 8  | 23  | 8 |
| 05-05-2024 | Duggan          | 6.2  | 30   | 16.1 | 80 | 60 | 8  | 25  | 7 |
| 01-05-2024 | Hiranagar       | 0.1  | 30.5 | 17.2 | 37 | 15 | 11 | 293 | 5 |
| 02-05-2024 | Hiranagar       | 0    | 28.9 | 16.2 | 31 | 14 | 7  | 25  | 0 |
| 03-05-2024 | Hiranagar       | 0    | 30.7 | 18.1 | 25 | 12 | 9  | 23  | 3 |
| 04-05-2024 | Hiranagar       | 0    | 34.3 | 22.5 | 21 | 9  | 10 | 23  | 8 |
| 05-05-2024 | Hiranagar       | 0    | 36.1 | 20.2 | 25 | 11 | 10 | 45  | 3 |
| 01-05-2024 | Kathua          | 0    | 30.9 | 17.5 | 34 | 14 | 12 | 296 | 5 |
| 02-05-2024 | Kathua          | 0    | 29.1 | 16.1 | 29 | 13 | 7  | 30  | 1 |
| 03-05-2024 | Kathua          | 0    | 30.8 | 17.9 | 24 | 10 | 9  | 23  | 2 |
| 04-05-2024 | Kathua          | 0    | 34.1 | 22.6 | 20 | 8  | 11 | 23  | 8 |
| 05-05-2024 | Kathua          | 0    | 36.7 | 20.5 | 24 | 9  | 11 | 25  | 4 |
| 01-05-2024 | Keerian-Gangyal | 0.4  | 30.7 | 17   | 38 | 15 | 12 | 296 | 5 |
| 02-05-2024 | Keerian-Gangyal | 0    | 29.1 | 16.1 | 28 | 14 | 7  | 34  | 1 |
| 03-05-2024 | Keerian-Gangyal | 0    | 31   | 17.7 | 24 | 10 | 9  | 63  | 2 |
| 04-05-2024 | Keerian-Gangyal | 0    | 34.4 | 22.6 | 19 | 8  | 10 | 23  | 8 |
| 05-05-2024 | Keerian-Gangyal | 0    | 36.5 | 20.4 | 24 | 9  | 10 | 63  | 4 |



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|            |                |     |      |      |    |    |    |     |   |
|------------|----------------|-----|------|------|----|----|----|-----|---|
| 01-05-2024 | Lohai-Malhar   | 6   | 28.6 | 14.5 | 73 | 38 | 10 | 56  | 5 |
| 02-05-2024 | Lohai-Malhar   | 1.1 | 26.9 | 13.4 | 63 | 35 | 8  | 23  | 2 |
| 03-05-2024 | Lohai-Malhar   | 0   | 29.3 | 15.6 | 49 | 28 | 9  | 23  | 4 |
| 04-05-2024 | Lohai-Malhar   | 0.4 | 32.2 | 19.2 | 52 | 25 | 9  | 23  | 8 |
| 05-05-2024 | Lohai-Malhar   | 0.9 | 33.3 | 18   | 60 | 30 | 8  | 23  | 6 |
| 01-05-2024 | Mahanpur       | 0.1 | 30.2 | 16.6 | 33 | 17 | 11 | 23  | 5 |
| 02-05-2024 | Mahanpur       | 0   | 29.3 | 14.7 | 33 | 15 | 9  | 26  | 1 |
| 03-05-2024 | Mahanpur       | 0   | 29.7 | 16.6 | 27 | 11 | 10 | 26  | 1 |
| 04-05-2024 | Mahanpur       | 0   | 32.8 | 21.1 | 24 | 10 | 11 | 23  | 7 |
| 05-05-2024 | Mahanpur       | 0.1 | 35.6 | 19.5 | 30 | 11 | 11 | 30  | 3 |
| 01-05-2024 | Mandli         | 0   | 29.1 | 16.4 | 38 | 18 | 11 | 27  | 5 |
| 02-05-2024 | Mandli         | 0   | 28.5 | 14.7 | 35 | 16 | 10 | 26  | 1 |
| 03-05-2024 | Mandli         | 0   | 30   | 16.9 | 28 | 13 | 12 | 26  | 2 |
| 04-05-2024 | Mandli         | 0   | 33.1 | 21.1 | 26 | 11 | 12 | 26  | 8 |
| 05-05-2024 | Mandli         | 0   | 34.4 | 19.2 | 32 | 12 | 12 | 26  | 2 |
| 01-05-2024 | Matheen        | 0.1 | 30.6 | 17.3 | 37 | 15 | 11 | 296 | 5 |
| 02-05-2024 | Matheen        | 0   | 29   | 16.3 | 30 | 14 | 7  | 45  | 0 |
| 03-05-2024 | Matheen        | 0   | 30.8 | 18.1 | 25 | 11 | 9  | 23  | 2 |
| 04-05-2024 | Matheen        | 0   | 34.4 | 22.7 | 21 | 9  | 10 | 23  | 8 |
| 05-05-2024 | Matheen        | 0   | 36.4 | 20.4 | 25 | 10 | 10 | 45  | 4 |
| 01-05-2024 | Nagri          | 0.1 | 30.9 | 17.5 | 34 | 14 | 12 | 296 | 5 |
| 02-05-2024 | Nagri          | 0   | 29.1 | 16.1 | 29 | 13 | 7  | 30  | 1 |
| 03-05-2024 | Nagri          | 0   | 30.8 | 17.9 | 24 | 10 | 9  | 23  | 2 |
| 04-05-2024 | Nagri          | 0   | 34.1 | 22.6 | 20 | 8  | 11 | 23  | 8 |
| 05-05-2024 | Nagri          | 0   | 36.7 | 20.5 | 24 | 9  | 11 | 25  | 4 |
| 01-05-2024 | Nagrota-Gujroo | 0.1 | 30.7 | 17.5 | 34 | 15 | 11 | 296 | 5 |
| 02-05-2024 | Nagrota-Gujroo | 0   | 29.1 | 16   | 30 | 14 | 7  | 30  | 1 |
| 03-05-2024 | Nagrota-Gujroo | 0   | 30.6 | 17.8 | 24 | 10 | 9  | 26  | 2 |
| 04-05-2024 | Nagrota-Gujroo | 0   | 34.1 | 22.5 | 21 | 9  | 11 | 15  | 8 |
| 05-05-2024 | Nagrota-Gujroo | 0   | 36.3 | 20.4 | 25 | 10 | 11 | 23  | 3 |

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