



Gramin Krishi Mausam Sewa
Agromet Advisory Bulletin for Doda District
Sher-e-Kashmir University of Agricultural Sciences and Technology – Jammu
RARS, Tandwal, Rajouri – 185131 (Union Territory of Jammu & Kashmir)



Agromet Advisory Bulletin

(Issued jointly by Regional Agricultural Research Station- Rajouri, SKUAST-Jammu and India Meteorological Department)

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No. AUJ/RARS/Raj/Agromet/2024-25/1562

Significant past weather for the preceding 5 days (28th November to 02nd December, 2024)

Rainfall (mm)	0.0
Maximum Temperature (°C)	15.9 – 17.2
Minimum Temperature (°C)	1.2 – 3.5
Relative Humidity (%)	50 - 97

Medium range weather forecast for Doda (04th to 08th December, 2024)

Weather Parameters	04/12/24	05/12/24	06/12/24	07/12/24	08/12/24
Rainfall (mm)	0	0	0	0	0
Maximum Temperature (°C)	15	15	14	14	13
Minimum Temperature (°C)	2	2	2	2	2
RH Morning (%)	65	65	65	60	60
RH Evening (%)	60	60	60	50	50
Wind Speed (kmph)	1	1	1	1	1
Wind Direction	60	82	70	75	18
Cloudiness (octa)	2	1	1	2	3

*Block level weather forecast (District Model Output) of Doda District have been given in Annexure I.

Weather forecast summary:

As per the forecast issued by India Meteorological Department, the sky will remain slightly to variably cloudy with dry weather likely to be expected in coming next five days. The maximum temperature may range between 13 – 15 °C and minimum temperature may be 2 °C for next five days. Relative humidity may range between 50 to 65%. Wind may blow mainly in the East North Eastern (ENE) direction the average speed of 1 km/hour.

General Advisory:

- Anticipating dry weather in coming next five days.

SMS Advisory: As dry weather expected during next five days. Farmers may go for intercultural operations and application of chemical plant protection measures in standing crops.

Agro meteorological Advisory:

Crop	Stage	Insect pest/ Diseases Management & other operations	Weather based Agro meteorological advisories
<u>Wheat</u> (Normal Sown)	CRI/ Tillering	Intercultural operation Weed Management	<ul style="list-style-type: none"> - Anticipating dry weather in coming five days, farmers are advised to carry out hoeing in one month old wheat crop to check weeds. - Farmers are advised to undertake application of following weedicides for effective control of broad leaved as well as grassy weeds, where the wheat crop is 30-35 days old (3-4 leaf stage). <ul style="list-style-type: none"> • For effective management of narrow leaf weeds in wheat crop, farmers are advised to apply clodinafop-propargyl @ 160 g/acre or Fenoxaprop-p-ethyl @ 40 ml/acre after 30-35 DAS. • For broad leaf weeds, farmers are advised to apply 2, 4-D amine salt @ 0.30 kg/acre or 2, 4-D ethyl ester @ 0.20 kg/acre or Metsulfuron @ 1.6 g/acre after 30-35 DAS. • For both narrow and broad leaf weeds, farmers are advised to apply Metribuzin @ 80 g/acre after 30-35 DAS.
<u>Oilseed Crops</u> Torina	Flowering	Aphid Attack	<ul style="list-style-type: none"> - If attack of aphid is observed, farmers are advised to install yellow sticky traps @ 40/hectare. In case of severe attack, apply Dimethoate 30 EC/Rogor @ 1 ml/liter of water.
Mustard	Vegetative stage	Intercultural operations	<ul style="list-style-type: none"> - Taking the advantage of dry weather during next five days, farmers are advised to undertake hoeing cum weeding operation after 30 days of sowing to control weeds and to conserve moisture.
<u>Rabi Pulses</u> (Chick pea & Peas)	Vegetative stage	Intercultural operation	<ul style="list-style-type: none"> - Weather most likely to remain dry in coming next five days. Farmers are advised to carry out hoeing cum weeding in one month old crop to avoid yield loss from weeds.
<u>Vegetables</u> Cole crops Onion and Garlic Leafy vegetables		Insect pest Management Hoeing & Weeding Care	<ul style="list-style-type: none"> - Farmers are advised to stay vigilant for the attack of cabbage butterfly in cole crops. If observed, spray the crop with Chlorpyrifos @ 2ml/liter of water. - Keeping in view the possibility of dry weather during next five days, farmers are advised to go for hoeing cum weeding in onion and garlic crops to keep down weeds. - Farmers are advised to broadcast urea after each cut of leafy vegetables (Spinach, Methi & Coriander) to get higher yields from subsequent cuts. - Protect vegetable crops from frost by covering them with suitable thatching material prepared from Sarkanda/rice straw or any other material.
<u>Horticulture</u> Stone Fruits & Nuts		Layout Canopy Management/ Pruning	<ul style="list-style-type: none"> - Advised lay out for establishment of new orchards of stone fruits (Peach, Plum & Apricot) and nuts (Almond, Walnut & Pecan nut) in intermediate areas (mid to high altitude) subject to availability of dry weather conditions. - Farmers are advised to undertake following instruction during the canopy management in fruit plant with special reference to apple: <ul style="list-style-type: none"> • Canopy management is necessary to promote plant growth health, encourage new growth and maintain plant shape. Regular pruning keeps a fruit tree health overall. • To divide the plants in three portions, like top, inner and bottom, so that the lower and inner branches receive more sunlight with removal of top branches. • To make a plant structure in such a way to ensure that fruit plants will receive sufficient sun light and air circulation, so that quality fruits will be harvested. • Remove the deceased, dead and deformed and criss-cross/overcrowded branches of the fruit tree.

		Care	<ul style="list-style-type: none"> • Maintain the balance between vegetative and reproductive growth, so that the flower and fruit formation can be maintained for both off and year season. • Clean the orchard floor to avoid disease infestation. <p>- Due to ongoing cold conditions there may be chance of damage to the plants due to frost injury especially young plants. Keeping in view this farmers are advised to protect the plants by taking following measures:</p> <ul style="list-style-type: none"> • Young evergreen plants should be provided with thatches prepared from Sarkanda or any other material, however, it should be kept open on eastern side to allow sufficient sun shine and air for the plant. • The garden waste should be set on fire on a night when frost is expected. Creating smoke screen in the orchard forms a sort of smoke cover over the plants and thus wards off the frost. It may also raise the temperature to some extent.
Button Mushroom	Casing Fruiting Harvesting		<p>- Farmers are advised for casing of those bags in which mycelial run is completed. Well rotted farm yard manure (FYM) and soil in 2:1 ration can be used as casing material. Proper sterilization of casing material with 5 % formalin solution is required for proper production.</p> <p>- Maintain optimum temperature (16 – 18°) and relative humidity (85 – 90%) in cropping room for better fruiting.</p> <p>- Maintain proper hygienic conditions in and around growing room.</p> <p>- Farmers are advised to go for harvesting of matured crop during early morning and after picking of mushrooms water can be used, if moisture level is below the limit.</p>
Apiculture		Care /Feed supplement	<p>- Proper winter packaging of honey bee colonies should be done to avoid mortality of honey bees from cold.</p> <p>- Apiary should be packed with jute bags from inside the brood chamber to protect honey bees from cold. Thick jute bag should be kept below the top cover.</p> <p>- In case of non-availability/insufficient flora, give artificial feeding to the honey bee colonies in 1: 1 ratio after every 7 – 10 days.</p>
Fisheries (Carp)	Fingerlings/ Advanced fingerlings		<p>- Fish farmers should maintain the optimum water level in carp ponds.</p> <p>- Apply regular supplementary feed on daily basis @ 2 - 3 % of total fish biomass (estimated) present in the pond.</p> <p>- In case of appearance of algal bloom, farmers should stop the addition of manure /fertilizers/supplementary feed in the pond for some time.</p>
Live stock(Dairy animals, sheep and goats)		Care/Feed supplement	<p>- Animals should be fed with a balanced diet containing higher amount of minerals and vitamins.</p> <p>- Farmers are advised to include top feeds i.e. leaves of jamun, guava etc. in the diet of small ruminants to decline the parasitic load.</p> <p>- Nomads are advised to vaccinate and deworm their flocks in order to avoid the economic losses caused by viral and parasitic diseases.</p> <p>- As the night temperature is reducing day by day, proper arrangement should be done to provide warming to the livestock.</p> <p>- Farmers are advised to protect animals from cold winds and keep them at dry places.</p> <p>- Newly born calves need special care during cold weather as they are susceptible to attack of pneumonia.</p>
Poultry		Care/Feed supplement	<p>- Keep poultry sheds clean, dry and warm.</p> <p>- Chicks should be supplemented with balanced ration to prevent occurrence of nutritionally deficient diseases.</p> <p>- If symptoms like scabs/pimples seen on comb/face/wattles, farmers are advised to apply glycerin/oil on the affected dry regions. Avoid to come in direct contact of lesions.</p> <p>- Provide curtains at the windows in the poultry sheds to protect from cold winds.</p> <p>- Farmers are advised to keep improved breeds of Backyard poultry i.e Vanraja, chabro to supplement the daily income.</p> <p>- Vaccination of chicks against Fowl pox disease should be done at 6 weeks of age.</p>

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Annexure “I”

Date: 03-12-2024

Block Level Weather Forecast (District Model Output) for Doda District (Valid for next 5 days)

Assar

Weather Parameters	Rainfall (mm)	Maximum Temperature (°C)	Minimum Temperature (°C)	RH Morning (%)	RH Evening (%)	Wind Speed (kmph)	Wind Direction	Cloudiness (octa)
04/12/24	0.2	9.4	-0.6	47.8	30.4	6.4	47.3	1
05/12/24	0	9.9	-1	41	25.1	7.1	45	0
06/12/24	0	10.4	-1.2	30.8	22.2	7.4	43	1
07/12/24	0	9.1	-1.9	29.7	21.9	7.1	45	1
08/12/24	0	8	-2.4	32	25	4.8	42	2

Bhaderwah

Weather Parameters	Rainfall (mm)	Maximum Temperature (°C)	Minimum Temperature (°C)	RH Morning (%)	RH Evening (%)	Wind Speed (kmph)	Wind Direction	Cloudiness (octa)
04/12/24	0.2	7.6	-1.4	59.5	36	2	225	1
05/12/24	0	7.9	-1.8	46.6	29.1	3.3	220.6	0
06/12/24	0.1	8.4	-2	35.5	24.6	3.3	229.4	0
07/12/24	0	7	-2.8	33.2	24.8	3.1	234.4	0
08/12/24	0	6.8	-3.4	36.6	26.1	2	225	2

Bhagwah

Weather Parameters	Rainfall (mm)	Maximum Temperature (°C)	Minimum Temperature (°C)	RH Morning (%)	RH Evening (%)	Wind Speed (kmph)	Wind Direction	Cloudiness (octa)
04/12/24	0.5	-7.5	-15.4	71.9	52.2	6	107.4	2
05/12/24	0	-6.8	-16.4	57.6	32.7	8.3	85	0
06/12/24	0.1	-6.8	-16.9	55.1	30.9	6.6	99.5	1
07/12/24	0	-8.1	-17.9	55.4	35.2	6	107.4	0
08/12/24	0.1	-9.2	-18.9	64	40.4	6.1	130.3	3

Bhalesa

Weather Parameters	Rainfall (mm)	Maximum Temperature (°C)	Minimum Temperature (°C)	RH Morning (%)	RH Evening (%)	Wind Speed (kmph)	Wind Direction	Cloudiness (octa)
04/12/24	1	7	-3.3	54.7	30.6	8.9	63.4	1
05/12/24	0	8.1	-4	47.4	21.1	9.7	63.4	0
06/12/24	0	7.7	-4.1	44.7	20.4	9.8	66.2	0

07/12/24	0	6.4	-5.4	44.6	19.2	9.4	67.4	0
08/12/24	0	5.2	-5.8	44.8	20.9	8	71.6	2

Bhalla

Weather Parameters	Rainfall (mm)	Maximum Temperature (°C)	Minimum Temperature (°C)	RH Morning (%)	RH Evening (%)	Wind Speed (kmph)	Wind Direction	Cloudiness (octa)
04/12/24	0.3	11.2	-0.5	49.7	25.9	6.9	47.1	0
05/12/24	0.1	12.4	-0.9	41.7	22	7.1	40.9	0
06/12/24	0.1	12.2	-1.4	37.7	18.6	7.4	43	0
07/12/24	0.1	10.7	-2.5	36.4	18.9	7.1	45	0
08/12/24	0.1	9.5	-2.6	40.6	22	6.3	59	2

Changa

Weather Parameters	Rainfall (mm)	Maximum Temperature (°C)	Minimum Temperature (°C)	RH Morning (%)	RH Evening (%)	Wind Speed (kmph)	Wind Direction	Cloudiness (octa)
04/12/24	1	10.7	-1.2	53.9	27.6	5.1	98.1	1
05/12/24	0.2	12	-1.8	48.1	23.5	5.1	98.1	0
06/12/24	0.4	11.9	-2.2	45.2	19.6	5.6	104.9	0
07/12/24	0.1	10.4	-3.5	43.6	18.3	5.6	104.9	0
08/12/24	0.1	9.7	-3.8	41	19.9	5	0	2

Chilli pigal

Weather Parameters	Rainfall (mm)	Maximum Temperature (°C)	Minimum Temperature (°C)	RH Morning (%)	RH Evening (%)	Wind Speed (kmph)	Wind Direction	Cloudiness (octa)
04/12/24	0.4	11.6	-2	50.5	24.7	7.8	56.3	0
05/12/24	0.1	12.9	-2.6	45	21	7.8	56.3	0
06/12/24	0.1	12.9	-2.8	40.3	17.7	8.1	57.7	0
07/12/24	0	11.5	-3.4	40.7	17.3	8.1	57.7	0
08/12/24	0.1	10.1	-3.9	40.5	20.1	6	65	2

Chiralla

Weather Parameters	Rainfall (mm)	Maximum Temperature (°C)	Minimum Temperature (°C)	RH Morning (%)	RH Evening (%)	Wind Speed (kmph)	Wind Direction	Cloudiness (octa)
04/12/24	0.4	11.6	-2	50.5	24.7	7.8	56.3	0
05/12/24	0.1	12.9	-2.6	45	21	7.8	56.3	0
06/12/24	0.1	12.9	-2.8	40.3	17.7	8.1	57.7	0
07/12/24	0	11.5	-3.4	40.7	17.3	8.1	57.7	0
08/12/24	0.1	10.1	-3.9	40.5	20.1	6	65	2

Dali-Udgyanpur

Weather Parameters	Rainfall (mm)	Maximum Temperature (°C)	Minimum Temperature (°C)	RH Morning (%)	RH Evening (%)	Wind Speed (kmph)	Wind Direction	Cloudiness (octa)
04/12/24	0.3	10.5	-0.9	50.4	25.9	7.8	33.7	1
05/12/24	0.1	11.7	-1.1	41.4	22.9	8.2	28.8	0
06/12/24	0.1	11.4	-1.8	37.4	19.5	8.2	28.8	0
07/12/24	0.1	9.9	-3	36.2	20.2	8.1	32.2	0
08/12/24	0.1	8.6	-3.4	41.2	23.6	7.1	40.9	3

Doda

Weather Parameters	Rainfall (mm)	Maximum Temperature (°C)	Minimum Temperature (°C)	RH Morning (%)	RH Evening (%)	Wind Speed (kmph)	Wind Direction	Cloudiness (octa)
04/12/24	0.2	11.5	-0.4	48.5	25.4	7.4	39.1	0
05/12/24	0.1	12.5	-0.8	39.9	22	8	35.8	0
06/12/24	0	12.2	-1.4	35.9	19.4	8	35.8	0
07/12/24	0	10.7	-2.5	35	20.4	7.9	39.4	0
08/12/24	0.1	9.6	-2.6	39.7	24	7.1	49.1	2

Gundana

Weather Parameters	Rainfall (mm)	Maximum Temperature (°C)	Minimum Temperature (°C)	RH Morning (%)	RH Evening (%)	Wind Speed (kmph)	Wind Direction	Cloudiness (octa)
04/12/24	0.1	10.5	-0.9	48.8	25.7	7.9	30	1
05/12/24	0	11.7	-1.1	39.8	22.6	8.4	25.4	0
06/12/24	0	11.4	-1.8	36.1	19.9	8.5	27.6	0
07/12/24	0	9.9	-3	35.1	21.1	8.4	30.9	0
08/12/24	0.1	8.6	-3.4	39.9	24.5	7.1	40.9	3

Jakyas

Weather Parameters	Rainfall (mm)	Maximum Temperature (°C)	Minimum Temperature (°C)	RH Morning (%)	RH Evening (%)	Wind Speed (kmph)	Wind Direction	Cloudiness (octa)
04/12/24	0.4	6.4	-5.1	49.7	28.3	12.4	73.1	1
05/12/24	0.1	7.7	-5.8	41.4	21.5	12.8	73.6	0
06/12/24	0.1	7.5	-6.1	37.6	19	13.5	74.5	0
07/12/24	0	6.1	-7	36.8	17.7	13.1	74	0
08/12/24	0.1	5.5	-7.3	43	20.3	8.9	76	2

Kahara

Weather Parameters	Rainfall (mm)	Maximum Temperature (°C)	Minimum Temperature (°C)	RH Morning (%)	RH Evening (%)	Wind Speed (kmph)	Wind Direction	Cloudiness (octa)
04/12/24	0.4	10.2	-2.5	50.6	25.1	8.8	55	0
05/12/24	0.1	11.6	-2.9	43.7	21.5	8.8	55	0

06/12/24	0.1	11.6	-3.3	38.9	17.9	9.4	57.5	0
07/12/24	0	10.1	-4	39	17	9.1	56.3	0
08/12/24	0.1	8.6	-4.6	40.7	20	7.2	63.4	2

Kastigarh

Weather Parameters	Rainfall (mm)	Maximum Temperature (°C)	Minimum Temperature (°C)	RH Morning (%)	RH Evening (%)	Wind Speed (kmph)	Wind Direction	Cloudiness (octa)
04/12/24	0.1	13	1.2	49.1	26.9	11.3	30.6	1
05/12/24	0	14	0.2	40.9	23.4	11.9	28.9	0
06/12/24	0	13.7	-0.8	37.2	20.6	11.3	30.6	0
07/12/24	0	12.2	-1.2	35.1	21.3	10.9	34.2	0
08/12/24	0.1	11	-1.9	39.2	24.7	8	35.8	3

Khellani

Weather Parameters	Rainfall (mm)	Maximum Temperature (°C)	Minimum Temperature (°C)	RH Morning (%)	RH Evening (%)	Wind Speed (kmph)	Wind Direction	Cloudiness (octa)
04/12/24	0.3	11.5	-0.4	49.8	25.7	7.4	39.1	0
05/12/24	0.1	12.5	-0.8	40.7	22.2	8	35.8	0
06/12/24	0.1	12.2	-1.4	36.8	18.9	8	35.8	0
07/12/24	0.1	10.7	-2.5	35.6	19.4	7.9	39.4	0
08/12/24	0.1	9.6	-2.6	40.5	22.6	7.1	49.1	2

Marmat

Weather Parameters	Rainfall (mm)	Maximum Temperature (°C)	Minimum Temperature (°C)	RH Morning (%)	RH Evening (%)	Wind Speed (kmph)	Wind Direction	Cloudiness (octa)
04/12/24	0.1	11.7	-0.1	49.3	26.2	8.2	37.8	0
05/12/24	0	12.7	-0.4	40.4	21.9	8.6	33	0
06/12/24	0	12.5	-1.1	36.6	19	8.5	36.4	0
07/12/24	0	11	-2.2	35.5	19.7	8.2	37.8	0
08/12/24	0	9.9	-2.2	40.3	23	7.4	47	2

Thathri

Weather Parameters	Rainfall (mm)	Maximum Temperature (°C)	Minimum Temperature (°C)	RH Morning (%)	RH Evening (%)	Wind Speed (kmph)	Wind Direction	Cloudiness (octa)
04/12/24	0.2	11.5	-0.4	48.5	25.4	7.4	39.1	0
05/12/24	0.1	12.5	-0.8	39.9	22	8	35.8	0
06/12/24	0	12.2	-1.4	35.9	19.4	8	35.8	0
07/12/24	0	10.7	-2.5	35	20.4	7.9	39.4	0
08/12/24	0.1	9.6	-2.6	39.7	24	7.1	49.1	2