



GraminKrishiMausamSewa
Agromet Advisory Bulletin for Rajouri 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)

Bulletin No: - 47/2024-25/Tuesday

Date: 10th September, 2024

No. AUJ/RARS/Raj/Agromet/2024-25/1020

Significant past weather for the preceding 5 days (05th to 09th September, 2024)

Rainfall (mm)	8.0
Maximum Temperature (°C)	30.5 – 33.5
Minimum Temperature (°C)	18.8 – 21.0
Relative Humidity (%)	57 - 93

Medium range weather forecast for Rajouri (11th to 15th September, 2024)

Weather Parameters	11/09/24	12/09/24	13/09/24	14/09/24	15/09/24
Rainfall (mm)	0	0	0	0	0
Maximum Temperature (°C)	34	34	35	35	35
Minimum Temperature (°C)	20	20	19	19	19
RH Morning (%)	80	80	70	70	70
RH Evening (%)	55	55	50	50	50
Wind Speed (kmph)	1	1	1	1	1
Wind Direction	12	25	340	345	355
Cloudiness (octa)	2	2	1	1	1

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

Weather forecast summary:

As per the forecast issued by India Meteorological Department, the sky will remain variably cloudy with mainly dry weather likely to be expected during next five days. The maximum temperature may range between 34 - 35°C and minimum temperature may range between 19 - 20 °C for next five days. Relative humidity may range between 50 to 80%. Wind may blow mainly between North North Eastern (NNE) and Northern (N) direction with the average speed of 1 km/hour.

General Advisory:

- Dry weather likely to be expected during next five days.
- As per Extended Range Forecast System (ERFS), rainfall is likely to be below normal between 11.09.2024 to 15.09.2024 over most parts of the Jammu division.

SMS Advisory: Need to keep strict vigil on symptoms of blast (eye shaped spots) in rice crop. If symptoms observed, framers are advised to apply Trycyclazole @ 0.06 % or 1 ml in 1.5 liters of water.

Agro meteorological Advisory:

Crop	Stage	Insect pest/ Diseases Management & other operations	Weather based Agro meteorological advisories
Paddy	Panicle development	<p>Insect pest management</p> <p>Blast</p> <p>Bacterial Leaf Blight (BLB)</p>	<ul style="list-style-type: none"> - Farmers are advised to remain vigil on attack of rice hispa and leaf folder in main paddy crop fields. If observed, apply Chlorpyriphos + Cypermethrin @ 2 ml/liter or Emamectin benzoate 5% SG @ 0.4 g/liter/ Thiamethoxam 25 WG 0.5 g/liter of water for same. - Need to keep strict vigil on symptoms of blast (eye shaped spots). If symptoms observed, framers are advised to apply Trycylazole @ 0.06 % or 1 ml in 1.5 liters of water. - If attack of BLB (tip burning) is observed, apply Streptocyclin Sulphate @ 1.0 g/10 liter of water.
Maize	Grain Filling	Insect pest Management	<ul style="list-style-type: none"> - Farmers are advised to remain vigil for the attack of aphids in maize crop. If observed, apply Rogor @ 1.5 ml/liter of water for effective control. - Keep vigil on the attack of blister beetle in maize crop. If observed, apply Carbofuron 3G @ 20 kg/ha (apply 3- 4 granules/leaf whorls to control the blister beetle). Also advised to collect blister beetle by hand and kill them by burning or putting in water.
<i>Kharif</i> Pulses (Mash & Moong)	Flowering	<p>Insect pest management</p> <p>Care</p>	<ul style="list-style-type: none"> - Farmers are advised to remain vigilant on attack of white fly in pulse crops. If observed, apply Imidacloprid @ 8 ml/15 liters of water. - To control Blister Beetle in pulse crops, farmers are advised to apply Cypermethrin @ 1.5 ml/liter of water. - For better crop growth, farmers are advised to remove off type plants from <i>kharif</i> pulses.
Vegetables Cole crops	Nursery Sowing	Damping off	<ul style="list-style-type: none"> - Farmers are advised to undertake nursery sowing of main season cole crops (cauliflower, cabbage and Knol khol). Where sown, proper drainage should be provided to nursery beds. - To avoid damping off, farmers are advised to follow following measures: <ul style="list-style-type: none"> • Prepare raised seed beds. • Addition of sand to the seed beds • Use of light and frequent irrigation • Use of <i>Trichodrema</i> formulation with well rotten FYM @ 4 gm per kg of seed before seed sowing.
Root crops	Sowing		<ul style="list-style-type: none"> - Sowing of root crops like carrot and radish can be done on ridges. - Thinning can be done in already germinated crop to maintain plant population.
Okra	Fruiting		<ul style="list-style-type: none"> - In case of open pollinated varieties, farmers are advised to left 2 - 3 fruits in Okra plants for seed production purpose.
Horticulture (Stone Fruits & Nut Fruits)		Care/Staking	<ul style="list-style-type: none"> - Farmers are advised to provide mechanical support to young fruit plants to avoid lodging due to strong winds. - For maximum success, remove off shoots from nurseries as well as other plants when they appear. - Remove tying material from bud/graft union carefully. - Due to rains, weed infestation may increase in the orchards. Regular weeding may be done after normal spells. - Install insect traps such as light trap, sticky traps and pheromones traps to check insect-pest attack. - Weather is congenial for attack of fungal diseases in temperate fruits. Farmers are advised to keep vigil for the same. For any information on diseases management contact nearby Horticulture Department or Krishi Vigyan Kendras.

Button Mushroom			- Since at present room temperature is in the range of 25 – 30 °C, so farmers are advised to start preparing compost preparation for cultivation of white button mushroom so that spawning for first (early) crop is done in last week of September.
Apiculture		Care /Feed supplement	- During cloudy/rainy days farmers are advised to not open honey bee colonies. - Provide proper ventilation by slightly raising the brood chamber. Make sure that bees do not pass through the ventilation otherwise robbing may be induced. - In case of continuous rains, provide artificial feed (sugar) or honey to bees after every 7 – 10 days due to shortage of nectar. - For protection of ants put the legs of apiary into water so that ants could not attack apiary.
Fisheries (Carp fish)	Fry/ Fingerlings/ Table size	Feeding/ Water management	- Farmers who have already stocked fish livestock in their ponds are advised to maintain proper water level in their fish ponds. - Farmers who have already stocked fish seed should apply supplementary feed @ 2-3% of total estimated fish biomass in the pond. - Farmers are advised to follow regular manuring and liming at fortnightly or monthly interval. - In case of appearance of algal bloom, farmers should stop/suspend the addition of manure/fertilizers/supplementary feed in the ponds for some days.
Live stock (Dairy animals, sheep and goats)		Care/Feed supplement	- Mineral mixture (Agrimin forte @ 40 gm per day) should be supplemented in the diet of dairy animals particularly pregnant ones. - Farmers are advised to keep proper aeration, ventilation and hygiene in the cattle sheds as humidity is rising. - 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. - Due to cloudy weather and rains, possibility of contagious and infectious diseases arises in cattles. Farmers are advised to remain vigilant for same.
Poultry		Care/Feed supplement	- Keeping in view the present weather conditions farmer are advised to undertake following measure in their poultry farms: • Turn bedding material (husk/straw) on regular basis to avoid chances of infection in poultry birds. • Add vimral supplement and jaggery in the clean drinking water to avoid any sort of stress in poultry birds. • Chicks should be supplemented with balanced ration to prevent occurrence of nutritionally deficient diseases. • Brooder houses for newly born should be well ventilated, rain proof and protected from predators. • Disinfectant tray should be kept at entrance of the poultry house to prevent occurrence of infectious diseases.. • Farmers are advised to keep improved breeds of Backyard poultry i.e Vanraja, chabro to supplement the daily income.

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Annexure “I”

Date: 10-09-2024

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

Budhal

Weather Parameters	11/09/24	12/09/24	13/09/24	14/09/24	15/09/24
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0
Maximum Temperature (°C)	25.9	25.8	25.8	25.9	25.5
Minimum Temperature (°C)	13.9	14.1	13.5	14.0	14.2

RH Morning (%)	45	46	56	58	60
RH Evening (%)	26	29	33	32	34
Wind Speed (kmph)	9.0	9.0	9.0	10.0	10.0
Wind Direction	23	23	19	23	19
Cloudiness (octa)	1	0	0	0	0

New Budhal

Weather Parameters	11/09/24	12/09/24	13/09/24	14/09/24	15/09/24
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0
Maximum Temperature (°C)	26.0	25.9	25.9	26.0	25.6
Minimum Temperature (°C)	14.0	14.2	13.6	14.0	14.2
RH Morning (%)	44	45	56	58	60
RH Evening (%)	26	29	33	32	34
Wind Speed (kmph)	9.0	9.0	9.0	9.0	9.0
Wind Direction	23	23	19	23	19
Cloudiness (octa)	1	0	0	0	0

Darhal

Weather Parameters	11/09/24	12/09/24	13/09/24	14/09/24	15/09/24
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0
Maximum Temperature (°C)	24.0	23.7	23.6	23.7	23.5
Minimum Temperature (°C)	12.9	12.9	12.2	12.8	13.2
RH Morning (%)	35	38	48	50	51
RH Evening (%)	15	23	26	25	26
Wind Speed (kmph)	9.0	9.0	9.0	10.0	10.0
Wind Direction	45	63	27	23	23
Cloudiness (octa)	0	0	0	0	0

Dhangri

Weather Parameters	11/09/24	12/09/24	13/09/24	14/09/24	15/09/24
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0
Maximum Temperature (°C)	26.9	26.7	26.1	26.4	26.5
Minimum Temperature (°C)	16.1	15.2	14.5	15.3	15.3
RH Morning (%)	28	35	43	44	43
RH Evening (%)	14	18	23	24	22
Wind Speed (kmph)	8.0	9.0	8.0	10.0	10.0
Wind Direction	19	23	23	23	23
Cloudiness (octa)	1	0	0	0	0

Doongi

Weather Parameters	11/09/24	12/09/24	13/09/24	14/09/24	15/09/24
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0
Maximum Temperature (°C)	26.0	25.5	25.1	25.3	25.3
Minimum Temperature (°C)	15.4	14.3	13.8	14.6	14.6
RH Morning (%)	27	35	42	44	43
RH Evening (%)	12	18	22	22	21
Wind Speed (kmph)	8.0	9.0	9.0	10.0	10.0
Wind Direction	68	45	45	23	27
Cloudiness (octa)	1	0	0	0	0

Kalakote

Weather Parameters	11/09/24	12/09/24	13/09/24	14/09/24	15/09/24
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0
Maximum Temperature (°C)	27.3	27.3	26.8	26.8	27.0
Minimum Temperature (°C)	16.1	15.9	15.3	15.9	16.0
RH Morning (%)	28	33	43	45	44
RH Evening (%)	16	18	24	24	24
Wind Speed (kmph)	9.0	9.0	9.0	10.0	11.0
Wind Direction	23	23	23	23	26
Cloudiness (octa)	1	0	0	0	0

Manjakote

Weather Parameters	11/09/24	12/09/24	13/09/24	14/09/24	15/09/24
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0
Maximum Temperature (°C)	24.2	23.7	23.3	23.3	23.4
Minimum Temperature (°C)	13.6	13.0	12.6	13.2	13.4
RH Morning (%)	27	33	42	44	44
RH Evening (%)	9	17	20	19	20
Wind Speed (kmph)	9.0	9.0	10.0	11.0	10.0
Wind Direction	64	68	68	63	68
Cloudiness (octa)	1	0	0	0	0

Moughla

Weather Parameters	11/09/24	12/09/24	13/09/24	14/09/24	15/09/24
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0
Maximum Temperature (°C)	27.8	27.8	27.2	27.3	27.5
Minimum Temperature (°C)	16.6	16.2	15.5	16.2	16.3
RH Morning (%)	29	34	44	45	45

RH Evening (%)	17	18	25	26	24
Wind Speed (kmph)	9.0	9.0	9.0	10.0	10.0
Wind Direction	23	23	23	23	26
Cloudiness (octa)	1	0	0	0	0

Nowshera

Weather Parameters	11/09/24	12/09/24	13/09/24	14/09/24	15/09/24
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0
Maximum Temperature (°C)	27.8	27.0	26.8	26.6	26.5
Minimum Temperature (°C)	16.8	14.6	14.4	15.5	14.7
RH Morning (%)	43	45	49	52	49
RH Evening (%)	22	27	32	33	31
Wind Speed (kmph)	6.0	7.0	6.0	8.0	8.0
Wind Direction	26	27	34	26	34
Cloudiness (octa)	2	1	0	0	0

Panjgrain

Weather Parameters	11/09/24	12/09/24	13/09/24	14/09/24	15/09/24
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0
Maximum Temperature (°C)	25.8	25.3	24.9	25.1	25.1
Minimum Temperature (°C)	15.2	14.1	13.7	14.4	14.5
RH Morning (%)	27	34	42	44	43
RH Evening (%)	12	17	22	21	21
Wind Speed (kmph)	8.0	9.0	9.0	10.0	10.0
Wind Direction	68	68	45	23	27
Cloudiness (octa)	1	0	0	0	0

Qila-Darhal

Weather Parameters	11/09/24	12/09/24	13/09/24	14/09/24	15/09/24
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0
Maximum Temperature (°C)	29.4	28.5	28.2	28.1	28.0
Minimum Temperature (°C)	18.2	16.2	16.5	17.2	16.7
RH Morning (%)	44	45	48	51	47
RH Evening (%)	21	31	34	36	35
Wind Speed (kmph)	6.0	7.0	6.0	8.0	8.0
Wind Direction	26	27	34	34	26
Cloudiness (octa)	2	0	0	0	0

Rajouri

Weather Parameters	11/09/24	12/09/24	13/09/24	14/09/24	15/09/24
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0
Maximum Temperature (°C)	25.8	25.5	25.1	25.2	25.3
Minimum Temperature (°C)	15.2	14.3	13.8	14.6	14.7
RH Morning (%)	27	34	42	44	44
RH Evening (%)	12	18	22	22	22
Wind Speed (kmph)	8.0	9.0	9.0	11.0	11.0
Wind Direction	23	45	45	23	23
Cloudiness (octa)	1	0	0	0	0

Seri

Weather Parameters	11/09/24	12/09/24	13/09/24	14/09/24	15/09/24
Rainfall (mm)	0.0	0.0	0.0	0.0	0.0
Maximum Temperature (°C)	25.9	25.6	25.2	25.4	25.4
Minimum Temperature (°C)	15.2	14.5	13.9	14.7	14.8
RH Morning (%)	27	34	42	44	44
RH Evening (%)	12	18	22	22	22
Wind Speed (kmph)	8.0	9.0	9.0	11.0	11.0
Wind Direction	19	27	27	23	23
Cloudiness (octa)	1	0	0	0	0

Siot

Weather Parameters	11/09/24	12/09/24	13/09/24	14/09/24	15/09/24
Rainfall (mm)	0	0	0	0	0
Maximum Temperature (°C)	28.8	28.7	27.9	28.3	28.5
Minimum Temperature (°C)	17.8	16.3	15.7	16.6	16.4
RH Morning (%)	35	40	48	49	47
RH Evening (%)	18	21	28	28	27
Wind Speed (kmph)	7	7	7	8	9
Wind Direction	23	23	26	26	26
Cloudiness (octa)	1	0	0	0	0

Sunderbani

Weather Parameters	11/09/24	12/09/24	13/09/24	14/09/24	15/09/24
Rainfall (mm)	0	0	0	0	0
Maximum Temperature (°C)	29.6	29.7	28.7	29	29.1
Minimum Temperature (°C)	18.5	17.3	16.9	17.5	17.5

RH Morning (%)	36	39	47	50	48
RH Evening (%)	19	23	30	32	31
Wind Speed (kmph)	7	7	7	8	9
Wind Direction	23	23	26	26	26
Cloudiness (octa)	1	0	0	0	0

Thana-Mandi

Weather Parameters	11/09/24	12/09/24	13/09/24	14/09/24	15/09/24
Rainfall (mm)	0	0	0	0	0
Maximum Temperature (°C)	23.1	22.1	23.2	22.6	21.3
Minimum Temperature (°C)	12	10.7	11.6	11.4	11.7
RH Morning (%)	54	50	35	39	39
RH Evening (%)	21	18	14	12	14
Wind Speed (kmph)	3	2	3	3	3
Wind Direction	30	68	68	72	60
Cloudiness (octa)	0	0	0	0	0