



# Sher-e-Kashmir University of Agricultural Sciences and Technology – Jammu

## RARS, Tandwal, Rajouri – 185131



### GRAMIN KRISHI MAUSAM SEWA

### Agromet Advisory Bulletin for District Rajouri

(22<sup>nd</sup> July to 26<sup>th</sup> July, 2017)

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

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### Significant past weather for the preceding 5 days (16<sup>th</sup> to 20<sup>th</sup> July, 2017)

Rainfall (mm)	35.2
Maximum Temperature (°C)	25.4 – 32.4
Minimum Temperature (°C)	20.0 – 22.0
Relative Humidity (%)	59 - 95

### Medium range weather forecast for Rajouri (22<sup>nd</sup> to 26<sup>th</sup> July, 2017)

DATE	22/07/17	23/07/17	24/07/17	25/07/17	26/07/17
RAINFALL (mm)	5	5	0	15	10
Maximum Temperature (°C)	32	32	33	31	31
Minimum Temperature (°C)	24	24	25	23	23
Cloudiness (okta)	5	5	4	7	7
RH (Max) (%)	85	85	85	85	85
RH (Min) (%)	70	70	70	70	70
Wind Speed in kmph	1	1	1	1	1
Wind Direction	65	100	52	75	75

**Weather forecast summary:** The sky will remain mainly cloudy with possibility of light to moderate rain/thundershowers over the district during next five days. Maximum temperature will range between 31 to 33 °C and minimum temperature will range between 23 to 25 °C. The maximum and minimum relative humidity may range between 70 - 85 %. Wind may blow in the East North Eastern (ENE) direction on 22<sup>nd</sup>, 25<sup>th</sup>, and 26<sup>th</sup> July, Eastern (E) direction on 23<sup>rd</sup> July and in the North Eastern (NE) direction on 24<sup>st</sup> July with the average speed of 1 km/hour during next five days.

### Agro meteorological Advisory

**General Advisory for coming 5 days:** Light to moderate rain/thundershowers would occur at isolated places over the district during the period of next five days. Keeping in view this, farmers are advised to suspend irrigation, inter-cultural operation and application of fertilizers as well as plant protection measures to the standing crops. In view of occurrence of moderate rainfall, arrange for adequate drainage in the crop fields.

Crop	Stage	Insect pest / Diseases & other operations	Agro meteorological advisory

<b>Rice</b>	<b>Establishment of transplanted seedlings</b>	<b>Weed Management</b>	- Farmers are advised to go for first hoeing or weeding in paddy fields where the crop is 15 days old after transplanting (DAT).
		<b>Insect pest management</b>	- Weather is congenial for the attack of insect pest and diseases. Keeping in view this farmers are advised to remain vigil for the same in paddy crop. - To control the stem borer look for egg mass on flag leaf of paddy plant and destroy the mass, if any. Fields with records of infestation during previous years should be applied Carbofuron 3G @ 20 kg/ha in standing water and do not drain or irrigate the field for 72 hrs after application.
		<b>Disease Management</b>	- Need to keep strict vigil on symptoms of blast. If symptoms observed, framers are advised to apply Tricyclazole @ 0.06 % or 1 ml in 1.5 liters of water. Spraying should be done on non-rainy day.
		<b>Others</b>	- In view of possibility of rainfall in coming days, farmers are advised to strengthen the field bunds to retain rain water as much as possible.
<b>Maize</b>	<b>Vegetative stage</b>	<b>Interculture operations</b>	- Keeping in view the possibility of light to moderate rain/thundershowers, farmers are advised to postpone intercultural operations in maize crop till the suitable conditions appear for interculture operations.
		<b>Drainage</b>	- Maize crop is very susceptible to water logging, provide proper drainage in the field as there is chances of moderate rainfall during next five days.
<b>Kharif Pulses</b>	<b>Sowing</b>		- Light to moderate rain is expected during next five days. Keeping in view this farmers are advised to postpone sowing of mash crop till the suitable conditions appear for sowing. Sowing should be done only after optimum moisture condition in the soil.
<b>Vegetables (Summer Vegetables)</b>		<b>Interculture operations</b>	- Due to chances of rainfall in next five days, farmers are advised to postpone all intercultural operations in tomato, brinjal and chilli.
		<b>Disease Management</b>	- Weather is congenial for the attack of alternaria blight particularly in tomato, potato and chilli and phytophthora problem in different vegetable crops. Crops monitoring is needed by farmers, if symptoms observed, farmers are advised to go for spray of Mancozeb @ 2 gm/liter of water on clear sunny days. - Soft root rot may be observed due to chances of moderate to heavy rain in some pockets, farmers are advised to maintain proper drainage and make the ridges around stem of the plants to avoid stagnation of water near the root zone. - To avoid wilting in chillies, tomato and brinjal farmers are advised to avoid water logging conditions in the field.
		<b>Red Pumpkin beetle</b>	- For control of red pumpkin beetle in cucurbits, apply imidachloprid 1 ml/3 liter of water or Dichlorvos 30 EC @ 2 ml/ liter of water on clear sunny day.
		<b>Fruit Fly</b>	- For fruit fly use bait spray containing Malathion 50 EC @ 1 ml + 10 g gur/ 1 L of water at evening hours when fruit fly are congregated on leaf surface. Install methyl eugenol traps @ 5 – 10/ha. *All foliar sprays should be done after picking of fruits and wait for 3 – 4 days for next picking.
		<b>Staking</b>	- Ensure staking with plastic string in tomato and cucurbits (bottle gourd, bitter gourd, sponge gourd and cucumber) for better crop stand.
		<b>Drainage</b>	- Farmers are advised to provide proper drainage facilities in vegetable crops, particularly chilli to avoid wilting problem as good rainfall is expected in next five days. *Farmers are advised to regularly monitor the vegetable crops for the incidence of pest and diseases.

<b>Horticulture</b>		<b>Care</b>  <b>Staking</b>  <b>Insect pest Management</b>  <b>Weed Management</b>  <b>Drainage</b>	<ul style="list-style-type: none"> <li>- Proper care should be taken of the grafted fruit plants. Do not allow any sucker to grow from the root stock. Remove water sprouts from below grafted union.</li> <li>- Plants planted during the months of February - March should be looked-after carefully and staked properly for their upright growth, if not done earlier.</li> <li>- Farmers are advised to protect fruit plants from termite attack. If observed, drench the affected area with Chlorpyrifos @ 2 ml/ liter of water under dry conditions on clear sunny day or apply Carbofuron 3 G @ 1 kg/kanal in affected area under moist conditions.</li> <li>- Due to rainy season, weed infestation may increase in the orchards. Regular weeding may be done after current spells of rain.</li> <li>- In view of occurrence of moderate rainfall in next 5 days, arrange for adequate drainage in orchards. *Climate is congenial for attack of fungal diseases in temperate fruits. Farmers are advised to keep vigil for the same. For any information on diseases contact nearby Krishi Vigyan Kendra.</li> </ul>
<b>Milky mushroom</b>			<ul style="list-style-type: none"> <li>- Farmers are advised to go for cultivation of milky mushroom (<i>Calocybe indica</i>).</li> </ul>
<b>Apiculture</b>		<b>Care</b>	<ul style="list-style-type: none"> <li>- Keeping in view the present weather condition, farmers are advised to shift the honey bee colonies towards shady conditions.</li> <li>- Provide proper ventilation by slightly raising the brood chamber. Make sure that bees do not pass through the ventilation otherwise robbing may be induced.</li> <li>- For protection of ants put the legs of apiary into water so that ants could not attack apiary.</li> <li>- In case of continuous rains, provide artificial feed (sugar) to bees.</li> </ul>
<b>(Dairy animals &amp; sheep and goats)</b>		<b>Care/Feed supplement</b>	<ul style="list-style-type: none"> <li>- Vaccination against FMD, HS should be done in Dairy animals to avoid economic losses due to viral diseases.</li> <li>- Farmers are advised to maintain hygiene in sheds and surroundings especially in rainy season.</li> <li>- Farmers are advised to follow regular and periodic deworming, grooming and dipping to control the external parasites of the animals. 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.</li> </ul>
<b>Poultry</b>		<b>Care/Feed supplement</b>	<ul style="list-style-type: none"> <li>- Chicks should be supplemented with balanced ration to prevent occurrence of nutritionally deficient diseases.</li> <li>- Farmers are advised to keep poultry feed/grains in clean and dry place to avoid fungal/mould contamination in rainy season.</li> <li>- Brooder houses for newly born should be well ventilated, rain proof and protected from predators.</li> <li>- Fumigate the poultry sheds before keeping the new lot of chicks to prevent the economic losses.</li> <li>- Farmers are advised to keep improved breeds of Backyard poultry i.e Vanraja, chabro to supplement the daily income.</li> </ul>

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