



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

## RARS, Tandwal, Rajouri – 185131



### GRAMIN KRISHI MAUSAM SEWA

### Agromet Advisory Bulletin for District Doda

(21<sup>st</sup> February to 25<sup>th</sup> February, 2018)

(Issued jointly by Regional Agricultural Research Station- Rajouri, SKUAST-Jammu and India Meteorological Department)  
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**Date: 20<sup>th</sup> February, 2018**

### Significant past weather for the preceding 5 days (15<sup>th</sup> to 19<sup>th</sup> February)

Rainfall (mm)	0.0
Maximum Temperature (°C)	13.5 – 17.1
Minimum Temperature (°C)	1.4 – 2.5
Relative Humidity (%)	47 - 85

### Medium range weather forecast for Doda (21<sup>st</sup> to 25<sup>th</sup> February, 2018)

DATE	21/02/18	22/02/18	23/02/18	24/02/18	25/02/18
RAINFALL (mm)	1	0	0	1	3
Maximum Temperature (°C)	20	17	19	20	17
Minimum Temperature (°C)	3	5	3	3	5
Cloudiness (okta)	4	2	1	4	4
RH (Max) (%)	80	70	70	80	90
RH (Min) (%)	50	50	50	50	60
Wind Speed in kmph	1	1	1	1	1
Wind Direction	50	60	60	60	60

**Weather forecast summary:** The sky will remain partly to mainly cloudy with possibility of light rain on 21<sup>st</sup>, 24<sup>th</sup> and 25<sup>th</sup> February. Maximum temperature will range between 17 – 20 °C and minimum temperature will range between 3 – 5 °C. The maximum relative humidity may range between 70 - 90 % and minimum relative humidity may range between 50 - 60 % from 21<sup>st</sup> to 25<sup>th</sup> February. Wind may blow in the in the East North Eastern (ENE) direction with the average speed of 1 km/hour during next five days.

### Agro meteorological Advisory

**General Advisory for coming 5 days:** Farmers are advised to schedule all interculture operations, plant protection measures and application of fertilizers after expected rains or on clear weather conditions vide next five days.

Crop	Stage	Insect pest / Diseases & other operations	Agro meteorological advisory
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<b>Wheat (Normal Sown (Jointing) &amp; Late sown (Tillering)</b>		<b>Fertilizer Application</b>  <b>Disease Management</b>	<ul style="list-style-type: none"> <li>- Possibility of light rainfall on 21<sup>st</sup>, 24<sup>th</sup> and 25<sup>th</sup> February. Keeping in view the, farmers are advised to schedule application of urea under normal sown wheat crop after expected rains or on clear weather conditions vide next five days.</li> <li>- Weather is congenial for the infestation of yellow rust infestation in wheat crop. Farmers are advised to keep strict vigil on appearance of disease. If observed, apply prophylactic spray on the crop with Propiconazole (Tilt) 25 EC @ 0.1 % (1ml/ltr of water). Schedule the spray after expected rain or on clear weather conditions vide next five days.</li> </ul>
<b>Mustard</b>	<b>Flowering</b>	<b>Insect pest Management</b>  <b>Disease Management</b>	<ul style="list-style-type: none"> <li>- Weather is favourable for outbreak of sucking pest in mustard. Farmers are advised to monitor the attack of aphids on mustard crop. If observed, install 3 - 5 yellow sticky traps/kanal for the control of aphids. Spray neem oil @ 2 ml/liter of water during aphid infestation.</li> <li>- If attack of aphids is severe, spray Rogor (Dimethoate) 30 EC @ 1 ml/ltr of water or Chlorpyrifos 20 EC @ 2 ml/ltr of water at fifteen days interval. Schedule the spray after expected rain or on clear weather conditions vide next five days.</li> <li>- Weather is the congenial for the development of Alternaria infestation. Keep strict vigil on the same. If the spots of alternaria blight is observed in the crop, apply Mancozeb @ 2.5 g/liter of water and ridomil MZ @ 2.5 g/liter of water alternately as curative measure. Schedule the spray after expected rain or on clear weather conditions vide next five days.</li> </ul>
<b>Rabi pulses (Gram &amp; Pea)</b>	<b>Branching/ Flowering</b>	<b>Disease Management</b>  <b>Insect Pest Management</b>	<ul style="list-style-type: none"> <li>- Prevailing weather is favourable for wilt and blight incidence in <i>rabi</i> pulses. Monitor the pulse crops for wilt and blight incidence. If symptoms observed drench the affected spots with Carbendazim @ 1 gm in 1 liter of water. Farmers are advised to schedule the spray after expected rainy day or on clear weather conditions vide next five days.</li> <li>- As there was good rainfall received during past few days and chances of light rainfall in coming days. Maintain the drainage of the field to avoid stagnation of water in <i>rabi</i> pulses for lowering down the soft rot/root rot diseases.</li> </ul>
<b>Vegetables Garden Pea</b>  <b>Summer Vegetables</b>	<b>Vegetative/ Flowering stage</b>  <b>Nursery Sowing</b>	<b>Staking</b>  <b>Disease Management</b>  <b>Disease Management</b>  <b>Wilt/root rot</b>	<ul style="list-style-type: none"> <li>- In pea crop, farmers are advised to go for staking with dry wooden branches to trail vines over them and.</li> <li>- Weather is favourable for the attack of fusarium wilt in pea. If observed, drench the soil with Carbendazim @ 1 gm/liter of water (0.1 %) or drench the soil with Trichoderma suspension with 1 x 10<sup>6</sup> spores/ml.</li> <li>- Prevailing weather condition is favourable for nursery sowing of summer vegetables like tomato, brinjal, chilli, capsicum and cucurbits (cucumber, bottle gourd and bitter gourd) etc. under protected structures (Poly house, Poly tunnel etc.). Farmers are advised to raise seedlings of cucurbits in polybags filled with sand, silt and FYM in 1:1:1 ratio.</li> <li>- Use Trichoderma culture @ 4gm/kg of seed or 10 gm culture/m<sup>2</sup> of area of the nursery bed to prevent damping off of seedlings. Use well rotten FYM in the nursery bed for proper multiplication of trichoderma. Damping off of the seedlings can also be minimized by raised seed beds.</li> <li>- As rainy conditions are prevailing and there may be possibility of rainfall in coming days. Hence, chances of wilt/root rot especially in heavy soils are more. Keeping in view this farmers are advised to make necessary arrangements to drain out excess water from the field.</li> </ul>

<b>Horticulture (Stone Fruits, Almond, Walnut &amp; Pecan nut)</b>	<b>Plantation</b>		- Farmers are advised to continue plantation of new orchards.
	<b>Fertilizer Application</b>		- Apply fertilizers after expected rain or on clear weather conditions vide next five days.
	<b>Training &amp; Pruning</b>		- Farmers are advised to continue training and pruning of fruit trees.
	<b>Staking</b>		- Farmers are advised to go for staking of budded and grafted fruit plants to avoid from snow damage under temperate areas.
	<b>White Wash</b>		- Farmers are advised to undertake white wash of trunk of fruit trees after expected rain or on clear weather conditions vide next five days to protect them from diseases and insect pests.
<b>Button Mushroom</b>	<b>Fructing</b>		- Farmers are advised to maintain the cropping room temperature to 13+ 20 °C and humidity, if pin heading is initiated.
	<b>Harvesting</b>		- 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.
<b>Apiculture</b>		<b>Care /Feed supplement</b>	<ul style="list-style-type: none"> <li>- Farmers are advised to inspect honey bee colonies after every fortnight interval to maintain cleanliness and to avoid mortality of honey bees due to brood and disease infestation. During cloudy/rainy days farmers are advised to not open honey bee colonies.</li> <li>- Due to non-availability/insufficient flora, give artificial feeding of sugar/honey to the honey bee colonies after every 7 – 10 days. Advised to shift honey bee colonies near the field of mustard.</li> <li>- Maintain proper winter packaging of honey bee colonies to avoid mortality of honey bees from cold temperature. 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.</li> </ul>
<b>(Dairy animals &amp; sheep and goats)</b>		<b>Care/Feed supplement</b>	<ul style="list-style-type: none"> <li>- Farmers are advised to supplement mineral mixture @ 40 – 50 gram/day for enhancement of milk production in the existing climatic conditions.</li> <li>- To avoid the contamination in milk, milker's/farmer's should clean their hands, clothes, utensils and udder before milking.</li> <li>- Colostrum should be fed within half to one hour to new born calves.</li> </ul>
<b>Poultry</b>		<b>Care/Feed supplement</b>	<ul style="list-style-type: none"> <li>- Temperature around 95<sup>0</sup> F/37 °C should be maintained for day old chicks in the brooding house with the bukhari.</li> <li>- Light (around 13 -1 4 hours/day) should be maintained in the layers houses with the help of electric bulbs for better egg production.</li> <li>- Bedding material i.e Rice husk should be used in the brooding houses for the protection of new born chicks from decline in temperature.</li> <li>- Grits should be fed along with the whole maize grains for the proper grinding and digestion.</li> </ul>

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