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Agromet advisory Bulletin
(Govt. of India)

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Period: 16th to 20th Sept

Date: 15-09-2023

Past Weather: During last week the weather remained variable. Maximum and minimum temperatures ranged between 30.2-31.2°C and 20.6-21.4°C and wind speed ranged from 2.0-3.2 kmph in south-west direction.

Weather Forecast for next 5 days (0830 hrs 16th to 20th Sept, 2023)

Date	Rainfall (mm)	Tmax (°C)	Tmin (°C)	RH morning (%)	RH evening (%)	Wind Speed (kmph)	Wind Direction (°)	Cloud Cover (Okta)
16-09-23	15	25	21	90	68	6	120	7
17-09-23	7	28	21	92	67	6	102	7
18-09-23	10	29	20	93	68	4	89	8
19-09-23	5	29	20	89	68	5	32	6
20-09-23	2	30	20	92	67	6	18	5

In the next five days, the weather will remain variable with partly cloudy conditions. Light to moderate rainfall is expected on September 15th at many places, and light rainfall is expected from September 16th to 17th, 2023, at a few places. Maximum & minimum temperatures will range between 25.0-30.0°C and 20.0-21.0°C, respectively. The wind speed will range between 4.0-6.0 kmph in the north-east direction. Relative humidity will fluctuate between 67-93 percent.

District and Blocks	15 th	16 th	17 th	18 th	19 th
Shimla	Rainfall at many places	Rainfall at few places	Rainfall at few places	Rainfall at isolated places	Rainfall at isolated places
Solan	Rainfall at many places	Rainfall at few places	Rainfall at few places	Rainfall at isolated places	Rainfall at isolated places
Dharampur	Rainfall at many places	Rainfall at few places	Rainfall at few places	Rainfall at isolated places	Rainfall at isolated places
Kandaghat	Rainfall at many places	Rainfall at few places	Rainfall at few places	Rainfall at isolated places	Rainfall at isolated places
Kunihar	Rainfall at many places	Rainfall at few places	Rainfall at few places	Rainfall at isolated places	Rainfall at isolated places
Nalagarh	Rainfall at many places	Rainfall at few places	Rainfall at few places	Rainfall at isolated places	Rainfall at isolated places
Solan	Rainfall at many places	Rainfall at few places	Rainfall at few places	Rainfall at isolated places	Rainfall at isolated places
Weather Warning					
	Heavy rainfall, thunderstorm & lightning likely at isolated places.	Thunderstorm and lightning at isolated places	NIL	NIL	NIL

General Advisory:-

- ❖ Farmers are advised to make proper arrangement for drainage of water in the fields to avoid water stagnation.
- ❖ Take precautions against thundering and lightning, farmers are advised to avoid the visit in open fields. Stay away from tall trees or other objects.
- ❖ Keep the basins of fruit trees free of weeds.
- ❖ Farmers are advised to regularly monitor the vegetable crops against the attack of insect/diseases.
- ❖ Ensure proper aeration in vegetable fields through weeding and proper staking of plants.
- ❖ Follow crop base agro advisory regularly.
- ❖ Use **MEGHDOOT** app for acquiring information regarding agromet advisory in the local language.

SMS Advisory:-

- ❖ Due to moisture in the weather there is the chance of increase in insect and disease attack. Farmers are advised to keep regular watch on crop due to disease infestation.

Main Crops	Crop Stage	Crop Advisory
Vegetables/fruits		
Tomato/Brinjal	Fruiting/harvesting	<ul style="list-style-type: none"> ❖ Collect the damaged fruits and leaves and buried them in the soil to avoid the attack of the fruit and shoot borer in tomato and brinjal crops. Install pheromone trap @ 25 per hac if pest population is high. If pest population is high, spraying of recommended chemicals is advised during clear weather condition. ❖ Timely harvest the matured fruit in order to avoid spoilage.
Apple/ Pomegranate	Harvesting	<ul style="list-style-type: none"> ❖ Farmers are advised to collect the dropped, damaged & rotten fruits from the orchards and bury them in a deep pits to avoid the spreading of any disease in the fruit trees ❖ Keep the orchards neat and clean after fruit harvesting.
Spinach	Direct Sowing	<ul style="list-style-type: none"> ❖ Farmers are advised to go for sowing of crop (August-September). ❖ Spinach sowing within first fortnight of September during clear weather for good germination and crop stand. ❖ Seed rate: 25-30 kg/ha, 2-2.5 kg/Bigha, Spacing: 30x10 cm.
Garlic	Field preparation	<ul style="list-style-type: none"> ❖ Preparation of field (2-3 ploughing) and addition of FYM in the soil before sowing of garlic in the fields. ❖ FYM: 8 q/Bigha and 100 q/ha.
Cauliflower, Cabbage	Nursery preparation	<ul style="list-style-type: none"> ❖ Prepare nursery beds for sowing of cole crops.
Maize	Reproductive stage	<ul style="list-style-type: none"> ❖ Fall army worm is a serious pest of maize now days. For the monitoring of this pest install pheromone traps @ 4 traps per acre. Destroy eggs and larvae by crushing them. If the infection is more than 10 percent, then spray neem seed kernel extracts @ 5ml/L or Coragen (Chloratriniliprole) 18.5 SC @ 0.4 ml/L in early morning during clear weather.
Rice	Vegetative stage	<ul style="list-style-type: none"> ❖ Use Leaf color chart for need based urea application. ❖ Monitor the crop against the attack of sheath blight and rice stem borer. ❖ Keep the bunds of the field clean by removing weeds. ❖ Install pheromone traps @ 3-4/acre in the paddy fields for control of stem borer.
Sesame (Til)	Flowering stage	<ul style="list-style-type: none"> ❖ Monitor the crop against sesame leaf hopper and if the infection is more than spray agniastra @ 3.0 percent at weekly interval during clear weather.
Natural farming	-	<ul style="list-style-type: none"> ❖ Farmers doing natural farming can control insect-pest attack by spraying Agniastra, Brahmastra and Neemastra and dashparni ark at weekly interval @3.0 per cent and Jeevaamrit @ 10.0 percent at regular interval during the clear weather condition. ❖ Farmers doing natural farming may follow the above advisory, and other farmers may follow the management practices issued time to time please as per package of practices.
Livestock	-	<ul style="list-style-type: none"> ❖ Care should be taken to avoid water stagnation around the cattle shed and also avoid wetness inside the cattle shed. ❖ Give vaccination against FMD. ❖ Provide adequate amount of fresh cool and clean drinking water to the animals at frequent intervals.

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