

# Weekly Crop Situation Report

23.10.2021 to 29.10.2021

Sr#	Institute	Crop	Sowing Area	Pest/Disease/Weeds Infestation	Overall condition of crop	Rainfall mm	Temp.°C	Advisory to farmers	Additional remarks
1	Sugarcane Research Institute, Faisalabad	Sugarcane	776 (000) ha (1st estimate, Crop reporting services 2021-22)	Stem borer, Whip Smut in plant crop and Weed infestation in neglected fields.	Normal			<ul style="list-style-type: none"> <li>● Chemical and cultural practices of weed control should be adopted</li> <li>● Irrigate the Autumn and Spring planted sugarcane according to crop requirement and weather forecast</li> <li>● Spray of bifenthrin or lamada @ 250-400ml respectively should be sprayed in case of attack of black bugs especially on ratoon crop</li> <li>● Use recommended insecticide to control borer etc attack to the crop</li> <li>● Use Chloripyriphose @ 1.5 L/acre to control sugarcane pyrilla</li> <li>● Use Zinc Phosphide as bait to check rodents attack in</li> </ul>	Frequent feedback received from the farmers

								<ul style="list-style-type: none"> <li>● lodged crop</li> <li>● Rouge out diseased/ smut plants from the field ratoon crop</li> <li>● Regularly visit the crop, if any problem about insect/ pest, and disease will be solved</li> <li>● Keep the water courses and roads etc free of weeds as these harbour insect pests</li> </ul>	
2	Vegetable Research Institute, Faisalabad	Spinach		Leaf Blight & Army worm	Satisfactory			<ul style="list-style-type: none"> <li>● Judicious use of fertilizers for better production of fresh crop</li> <li>● Irrigate the field as per atmospheric conditions</li> <li>● Spray against insects, pests and diseases</li> <li>● Weeds must be eradicated to minimize plant weed competition</li> </ul>	New flesh of the crop may increase fresh production of the crop.
		Bitter gourd		Myrothecium, Leaf minor, Downy Mildew and viral diseases	Satisfactory			<ul style="list-style-type: none"> <li>● Judicious use of fertilizers for better production</li> <li>● Keep clean the field from weeds</li> <li>● Irrigate the crop as per climatic</li> </ul>	

								<ul style="list-style-type: none"> <li>• conditions</li> <li>• Train the plants on net for insurance of quality of fruit and reducing the chances of disease spread</li> <li>• Spray against insects, pests and diseases</li> </ul>	
		Radish		Medium	Satisfactory			<ul style="list-style-type: none"> <li>• Meticulous seed bed preparation</li> <li>• Use of certified seed with recommended seed rate</li> <li>• Treatment of seed with fungicide for eradication of soil borne diseases</li> <li>• Proper utilization of fertilizers to better production</li> <li>• Spray against insects and pests</li> <li>• Spray against pre and post emergence weeds</li> </ul>	Early crop production from Punjab is in market.
		Turnip		Medium	Satisfactory			<ul style="list-style-type: none"> <li>• Meticulous seed bed preparation</li> <li>• Use of certified seed with recommended seed rate</li> <li>• Treatment of seed with fungicide for eradication of soil</li> </ul>	Early crop production from Punjab is in market.

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		Cauliflower		Medium to high	Satisfactory			<ul style="list-style-type: none"> <li>● Meticulous seed bed preparation</li> <li>● Use of certified seed with recommended seed rate</li> <li>● Treatment of seed with fungicide for eradication of soil borne diseases</li> <li>● Proper utilization of fertilizers to better production</li> <li>● Spray against insects and pests</li> <li>● Spray against pre and post emergence weeds</li> </ul>	Early crop production from Punjab is in market.
		Cabbage		Medium to high	Satisfactory			<ul style="list-style-type: none"> <li>● Meticulous seed bed preparation</li> <li>● Use of certified seed with recommended seed rate</li> <li>● Treatment of seed with fungicide for eradication of soil borne diseases</li> </ul>	Early crop production from Punjab is in market.

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3	Pulses Research Institute, Faisalabad	Chickpea & lentil			Satisfactory			<p><b>Rabi Crop:</b> (Chickpea &amp; lentil)</p> <ul style="list-style-type: none"> <li>● Purchase quality seed of approved varieties from Punjab Seed Corporation, Pulses Research Institute, Faisalabad and its sub-station at Kallur kot, District Bhakkar</li> <li>● Use gram seed @ 30-35 kg/acre and Lentil seed @ 10-12 kg/acre</li> <li>● Use seed dressing of insecticides &amp; fungicides before sowing to overcome termite attack and wilt disease</li> </ul> <p><b>Mung &amp; Mash:</b></p> <ul style="list-style-type: none"> <li>● Prepare to harvest the crop when 80-90% pods maturity keeping in view the weather situation</li> </ul>	

								<ul style="list-style-type: none"> <li>● For mechanical harvesting apply any suitable defoliant 6-8 days before harvesting to defoliate the crop.</li> <li>● Store harvested mung and mash after proper drying and fumigate the produce. Use Phostoxin pills to keep the store free from grain store pests</li> </ul>	
4	Horticulture Research Institute, Faisalabad	Guava	0.139	Infestation of weeds were recorded Remove weeds by ploughing the field	Satisfactory			<ul style="list-style-type: none"> <li>● Install methyl eugenol traps top manage fruit fly</li> <li>● Recharge traps at fortnightly basis</li> </ul>	
		Date Palm	0.0148	Control red palm weevil by inserting phostoxin tablets in holes made by RPW and mud the holes with chlori mix paste	Satisfactory			<ul style="list-style-type: none"> <li>● Apply NPK fertilizer to all physically weak plants</li> </ul>	Apply chloropyriphos with irrigation in newly planted date fields against termites
		Ber	0.0135	Apply 1 <sup>st</sup> spray of trichlorphon on bearing plants against fruit fly				<ul style="list-style-type: none"> <li>● Apply 1<sup>st</sup> dose of nitrogenous fertilizer to all bearing plants</li> </ul>	

5	Entomological Research Institute, Faisalabad	Sugarcane	Borers Complex 00-1.25% Pyrilla 00-0.85 per leaf Mealybug Nil Whitefly Nil Black bug 0-0.50				<ul style="list-style-type: none"> <li>In the current situation, fruit borer and fruit fly are present on guava</li> </ul>	Creating awareness among farmers about major insect pests problem and suggested Integrated approach for controlling insect pests.
		Cotton	Whitefly 0-01 Thrips Negligible Jassid 0-0 American Bollworm Nil Pink Bollworm 3% Dusky Cotton Bug Nil					
		Mango	Mango Fruit Fly Nil Mango Hopper 00-0.50 nymph or adult/ branch					
		Citrus	Fruit Fly 0- 3.35% infestation Psylla 00-1.00 per leaf Leafminer 00-2.20 % Black Fly 0-0.55 per leaf					
		Guava	Fruit Fly 0-6.95% infestation 0-21/trap/week Fruit Borer 0-0.40 %					
		Vegetables	Brinjal fruit borer 00-5.85 % Thrips Above ETL Mites Below ETL Armyworm					

				In patches Cucurbit sucking insects Below ETL Fruit Fly 0-5.45% Jassid 0-0.10 per leaf					
		Rice		Plant Hopper Nil					
		Maize		Stem borer Nil					
6	Agronomic Research Institute, Faisalabad	Sugarcane			Satisfactory	0.0 mm (Faisalabad) 0.0 mm (Farooqabad, S.Pura) 0.0 mm (Khanewal) 0.0 mm (Karor, Layyah) 0.0 mm (Bahawalpur )	29.8 /15.0 °C (Faisalabad) 31.42/18.00 °C (Farooqabad) 30.42/15.00 °C (Khanewal) 30.1 /13.9 °C (Karor, Layyah) 31.00/15.00 °C (Bahawalpur)	<ul style="list-style-type: none"> <li>● Irrigate the crop as per the need</li> <li>● Use appropriate insecticide for the control of root borer</li> <li>● Apply urea to the spring planted crop</li> </ul>	Effective weed control is a prerequisite for ensuring healthier and vigorous crop growth and yield. For any type of assistance/help regarding weed control in all crops, please contact Mr. Muhammad Ashiq (Senior Scientist) of this institute. His contact number is 0300-76 57 249.
		Maize						<ul style="list-style-type: none"> <li>● Irrigate the crop as per the need</li> <li>● Use appropriate</li> </ul>	



								insecticide for the control of insect pests and weeds respectively	
		Rice						<ul style="list-style-type: none"> <li>● Beware of the brown leaf spots</li> <li>● Use recommended fungicide where necessary</li> <li>● Keep an eye on the weather forecast as well prior to harvesting the matured crop</li> </ul>	
		Cotton						<ul style="list-style-type: none"> <li>● Clean and neat picking should be given due attention where it is ready for picking</li> </ul>	
7	Fodder Research Institute, Sargodha	Rabi Fodder		.	Good			<ul style="list-style-type: none"> <li>● It is optimum time for the sowing of Rabi fodders</li> </ul>	Good quality seed is pre-requisite for good fodder production.
8	Citrus Research Institute, Sargodha	Citrus	0.45 Million Acre	<p><b><u>Plant Pathology Division</u></b></p> <p>Stem end rot of Kinnow fruit was found very common. Some symptoms of citrus scab and citrus canker diseases observed on fruit and leaves</p>	Satisfactory			<ul style="list-style-type: none"> <li>● Regular pest monitoring should be done</li> <li>● Maintain orchard hygiene for fruit fly control and install pheromone trap @ 5 per acre</li> <li>● Hand picking of larvae of lemon butterfly should be encouraged</li> <li>● Spray Nativo @ 65</li> </ul>	

				of citrus orchard respectively. <b>Entomology Division</b> There is minor infestation of fruit fly in citrus orchard on oranges. Larvae and adults of lemon butterfly were also observed in orchards and nursery. <b>Weeds Condition</b> Weeding practice was done in Sq. No. 13 and 16.				gm per 100 liter of water for the control of stem end rot ● Spray of copper based fungicide like copper hydroxide @ 2.5 gm/ liter of water for the control of citrus canker and scab is recommended	
9	PPRI, Faisalabad	Cotton		CLCuV 4%	Satisfactory			● About 04% cotton field are infested with CLCuV. The infestation may increase in the coming weeks	
		Rice		Brown leaf spots (7%)	Satisfactory			● Use recommended fungicides where necessary	
10	Arid Zone Research Institute, Bhakkar	Chickpea						● Sowing of chickpea crop should be completed up to 1st week of November ● Seed rate @ 30kg per acre may apply	

								<ul style="list-style-type: none"> <li>● DAP @ 1 bag per acre may apply</li> <li>● Sowing of wheat crop should be started from 1st week of November</li> <li>● 45-50 kg seed should be applied in 1 acre</li> <li>● 1.5-2.0 bags of DAP along with 1 bag of SOP should be applied at the time of sowing</li> <li>● Drill sowing should be preferred on broad cost method</li> </ul>	
		Wheat							
11	BARI, Chakwal	Groundnut	0.22	Hairy caterpillar attack was observed in some areas, which was controlled by spraying insecticides. Weeds infestation was also a serious problem, which was eradicated manually and by spraying weedicides.	Satisfactory			<ul style="list-style-type: none"> <li>● Add gypsum @ 200kg per acre at the time of flowering. Use of gypsum can increase pod size and number of pods per plant and also contribute to increase seed quality</li> <li>● Spray is advisable for weeds and insects if observed in the crop. Visit the fields occasionally, when leaves of the plants start drying, examine the plants</li> </ul>	Agricultural Experts should be consulted for the control of insects & diseases. Farmers can contact on Mobile phone No. 03345622125 (Fida Hassan Shah) for the production technology and problems of Groundnut crop.

								by digging out if more than 70-80% pods get matured then harvesting should started	
		Olive		Very mild attack of wooly aphid is being observed at a few orchards.				<ul style="list-style-type: none"> <li>● Control the attack of Wooly Aphid by spraying Biphenthrine @4ml/ L of water</li> <li>● Control Termites attacks in new planted olive plants by applying Chlorpyriphos @ 7ml/L of water</li> <li>● Bring consideration of your activities for next year fruiting orchard</li> </ul>	Advisory services are provided to the farmers at the institute as well as on the farms.