

# Weekly Crop Situation Report

02.01.2021 to 08.01.2021

Sr#	Institute	Crop	Sowing Area	Pest/Disease/Weeds Infestation	Overall condition of crop	Rainfall mm	Temp.°C	Advisory to farmers	Additional remarks
1	Wheat Research Institute, Faisalabad	Wheat		Weeds have appeared in wheat fields which need proper control.	Good			<ul style="list-style-type: none"> <li>● Farmers are advised to use suitable weedicides in wheat fields following field specific recommendations of Agri. Extension workers of their area</li> <li>● Broad and narrow spectrum weedicide should be used in irrigated areas. During spray avoid double dose of spray on the same place</li> </ul>	Wheat sowing targets have been successfully achieved.
2	Sugarcane Research Institute, Faisalabad	Sugarcane	643 (000) ha (Crop reporting services 2019-20)	Stem borer, Whip Smut in plant crop and Weed infestation in neglected fields.	Normal			<ul style="list-style-type: none"> <li>● Regularly visit the crop, if any problem about insect/ pest, and disease will be solved</li> <li>● Stop irrigation one month before harvesting</li> <li>● Harvest the crop at ground level/one inch below to avoid</li> </ul>	Frequent feedback received from the farmers

							<p>Larvae attack</p> <ul style="list-style-type: none"> <li>● Cover the harvested crop and supply it to Sugar Mills as early as possible to minimize the staling losses</li> <li>● Irrigate the September planted sugarcane according to crop requirement and weather forecast</li> <li>● Chemical and cultural control of weed practices should be adopted</li> <li>● Use light traps, Trichograma cards and Chrysoperla to control borer and white fly</li> <li>● Use Zinc Phosphide as bait to check rodents attack in lodged crop</li> <li>● Spray of bifenthirn or lamada @ 250 ml or 400ml respectively should be sprayed in case of attack of black bugs especially on ratoon crop</li> </ul>	
3	Vegetable Research Institute,	Spinach		Army worm and cutworm	Satisfactory		<ul style="list-style-type: none"> <li>● Judicious use of fertilizers for better seed production as</li> </ul>	

	Faisalabad							<p>well as better production of fresh crop</p> <ul style="list-style-type: none"> <li>● Irrigate the field as per atmospheric condition for better fresh production</li> <li>● Spray against insects, pests and diseases</li> <li>● Save the crop from frost in growing area</li> <li>● Weeds must be eradicated to minimize plant weed competition</li> </ul>	
	Bittergourd		Myrothecium, girding weevil and fruit fly	Satisfactory				<ul style="list-style-type: none"> <li>● Judicious use of fertilizers for better production and continue fertilizer application after every picking</li> <li>● Irrigate the field as per atmospheric condition for better fresh production</li> <li>● Weeds eradication to minimize plant weed competition</li> <li>● Train the plants on net for insurance of quality of fruit and reducing the chances of disease spread</li> <li>● Spray against</li> </ul>	

							insects, pests and diseases ● Save the crop from frost in growing area	
	Radish			Satisfactory			● Proper utilization of fertilizers to better production ● Spray against insects and pests ● Irrigate the field according to climatic conditions ● Spray against pre and post emergence weeds ● Adopt the recommended production technology for seed production ● No more delay in steckling for better seed production	
	Turnip			Satisfactory			● Proper utilization of fertilizers to better production ● Spray against insects and pests ● Irrigate the field according to climatic conditions ● Spray against pre and post emergence weeds ● Adopt the recommended	

								<ul style="list-style-type: none"> <li>production technology for seed production</li> <li>● No more delay in steckling for better seed production</li> </ul>	
		Cauliflower		Cabbage butterfly	Satisfactory			<ul style="list-style-type: none"> <li>● Proper utilization of fertilizers to better production</li> <li>● Spray against insects and pests</li> <li>● Irrigate the field according to climatic conditions</li> <li>● Spray against pre and post emergence weeds</li> <li>● Adopt recommended seed production technology</li> </ul>	
		Cabbage		Cabbage butterfly	Satisfactory			<ul style="list-style-type: none"> <li>● Proper utilization of fertilizers to better production</li> <li>● Irrigate the field according to climatic conditions</li> <li>● Spray against insects and pests</li> <li>● Spray against pre and post emergence weeds</li> <li>● Adopt recommended seed production technology</li> <li>● Application of</li> </ul>	

							phosphorous fertilizer essential for better growth and development at head formation stage	
	Carrot			Satisfactory			<ul style="list-style-type: none"> <li>● Judicious use of fertilizers for uniform and significantly higher root yield</li> <li>● Irrigation according to climatic conditions</li> <li>● Spray against pre emergence as well as post emergence weeds</li> <li>● Spray against insect pests and diseases</li> <li>● No more delay in steckling for better seed production</li> </ul>	
	Coriander		cutworm	Satisfactory			<ul style="list-style-type: none"> <li>● Complete thinning of the off type plants in crop sowing</li> <li>● Keep the field weed free</li> <li>● Irrigate the field according to climatic conditions</li> <li>● Spray against pests and diseases if any</li> <li>● Save the crop from frost in growing areas</li> </ul>	

4	Oilseed Research Institute, Faisalabad	Brassica		Pests: Nil Disease: Nil Weeds: Nil	Satisfactory				<ul style="list-style-type: none"> <li>● Second irrigation should be provided at flowering</li> <li>● Sulphur @ 6 Kg/acre with irrigation at flowering for significant increase in yield</li> <li>● Spray Lambda cyhalothrin 2.5 EC @ 330 ml/acre against Mustard Sawfly and Painted bug</li> </ul>	
		Linseed							<ul style="list-style-type: none"> <li>● Irrigate the field after one month of germination</li> <li>● Remove excess plants before first irrigation</li> <li>● Give 1 bag urea with first irrigation</li> </ul>	
5	Pulses Research Institute, Faisalabad	Gram		Attack of termite and <i>Fusarium</i> wilt may damage crop at this stage in gram.					<p><b>Rabi Crop: (Chickpea &amp; lentil)</b></p> <ul style="list-style-type: none"> <li>● Eradicate the weeds from fields at an early stage. Use of rotary is suitable method in Thall region to eradicate weeds</li> <li>● Termite infested soils may be treated with proper insecticides in</li> </ul>	During 2019-20, area under gram crop in Punjab decreased by 0.7 % however its production was recorded 14 percent higher in comparison to its
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							<p>irrigated areas</p> <ul style="list-style-type: none"> <li>● During the week different areas of the province received rainfall which will improve the overall condition of the crop. However farmers especially in Rawalpindi Division should remain vigilant about the weather conditions. In case of repeated rain splashes in chickpea area the disease Ascochyta Blight of Chickpea may appear. In case disease infestation observed, uproot the infected plant and buried them in the soil</li> </ul>	<p>previous year statistics (2018-19). While in Lentil crop both area sown and production were decreased by 31.6% and 29.6 % respectively as compared to the area and production during 2018-19.</p>
6	Horticulture Research Institute, Faisalabad	Guava		Infestation of weeds were recorded	Satisfactory		<ul style="list-style-type: none"> <li>● Apply completely decomposed farmyard manure</li> <li>● Continue regular cultural practices</li> <li>● Irrigation should be applied by considering the weather conditions</li> </ul>	



		Date Palm		Spray chlropyriphos around the stems which are exposed to red palm weevil and do earthen up				<ul style="list-style-type: none"> <li>● Irrigate newly planted field according to the prevailing weather conditions</li> <li>● Cover newly planted offshoots with rice straw or date palm fronds and tie them firmly from top</li> <li>● Control red palm weevil by insertion of Phostoxin tablets in holes made by red palm weevil and mud the holes with chlori mix paste</li> <li>● Burn remains of infected stems</li> <li>● Eradicate weeds from field manually or by hoeing</li> </ul>	
		Ber						<ul style="list-style-type: none"> <li>● Apply preventive fungicide against diseases of Ber</li> <li>● Eradicate weeds from field</li> <li>● Apply light irrigation during and fruit setting</li> <li>● Apply fertilizer if not applied yet</li> <li>● Remove polythene sheet from sprouted scions</li> </ul>	

								<ul style="list-style-type: none"> <li>● Cover grafted plants with polythene sheet</li> </ul>	
7	Agronomic Research Institute, Faisalabad	Sugarcane			Satisfactory	56.5 mm (Faisalabad) 34.53 mm (Farooqabad, S.Pura) 6.0 mm (Khanewal) 0.5 mm (Karor, Layyah) 0.0 mm (Bahawalpur)	17.5/8.3°C (Faisalabad) 18.42/7.14°C (Farooqabad) 17.84/4.42°C (Khanewal) 19.0/4.7°C (Karor, Layyah) 15.0/4.0°C (Bahawalpur)	<ul style="list-style-type: none"> <li>● Irrigate the crop as per the need</li> <li>● Rouge out the diseased plants from the field. Beware of the rodents as well</li> <li>● Use appropriate insecticide for the control of root borer. Do not irrigate the crop which is to be harvested</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.
		Wheat			Satisfactory			<ul style="list-style-type: none"> <li>● If remain unchecked, weed infestation can result in huge losses in crop yield and quality; therefore effective weed control measures must be adopted well in time</li> <li>● Use appropriate &amp; recommended herbicides for weed control. Check the weather forecast prior to irrigating the crop</li> </ul>	
8	Entomological Research Institute,	Sugarcane		Borers Complex 0-0.2% Pyrilla 0-0.10 per leaf	Fruit borer and fruit fly are present			<ul style="list-style-type: none"> <li>● Creating awareness among farmers about major insect</li> </ul>	

Faisalabad		Mealybug Nil Whitefly Nil Black bug 0-1.0	on guava			pests problem and suggested integrated approach for controlling insect pests
	Cotton	Whitefly Nil Thrips NiL Jassid NiL American Bollworm Pink Bollworm 0-1 Dusky Cotton Bug Nil				
	Mango	Mango Fruit Fly Nil Mango Hopper 0-0.1 nymph or adult/ branch				
	Citrus	Fruit Fly 0-1.8 % Psylla 0-0.15 per Leafminer 0-1.0% Black Fly 0.1 per leaf				
	Guava	Fruit Fly 0-5.25% infestation 0-4/trap/week Fruit Borer 0-0.15 %				
	Vegetables	Brinjal fruit borer 0-4.0% Thrips Below ETL Mites Above ETL Armyworm In patches Cucurbit sucking insects Below ETL Fruit Fly 0-4.0% Jassid 0-0.10 per leaf				
	Rice	Plant Hopper Nil				

		Maize		Stem borer Nil					
9	Fodder Research Institute, Sargodha	Khariel Fodder		No disease incidence and insect/pest attack was observed on berseem, lucerne and oats crops.	Good				<ul style="list-style-type: none"> <li>• Take the cut of Berseem when attain the height about two feet</li> <li>• Apply light irrigation Berseem and Lucerne crop after getting its cut</li> <li>• Weed eradication is necessary especially kasani from seed crop of Berseem</li> </ul>
10	Mango Research Institute, Multan	Mango		The signs of dieback and salt injuries were visible in some of the mango orchards having sick soils and no proper management.	Satisfactory				<ul style="list-style-type: none"> <li>• It was recommended to irrigate the mango orchards to protect against frost</li> <li>• The application of F.Y.M was also advised in mango orchards if not applied during the month of December</li> <li>• The environmental variables like fog, smog and clouds during the period under report might have negative impact on floral bud induction in mango</li> </ul>
11	Citrus Research	Citrus	0.45	<b><u>Plant Pathology Division</u></b>	Satisfactory				<ul style="list-style-type: none"> <li>• Surveillance and monitoring of</li> </ul>

	Institute, Sargodha		Million Acre	<p>Symptoms of citrus scab, canker, melanose and stem end rot were observed on citrus fruits. Stem Gummosis was observed on most of the citrus varieties.</p> <p><b><u>Entomology Division</u></b></p> <p>There is no serious infestation of any insect pest in the citrus orchard. However, infestation of mealybug is forecasted in the mid-January.</p> <p><b><u>Weeds Condition</u></b></p> <p>Weeding was done manually in Sq. No. 16A, B &amp; C and by Rotavator in Sq. 16A, 16B, 16C, 16D, 16E, 16F, 10/13,10/14,10/07, 10/8, 20/10, 19C, 19D and 19E.</p> <p>Farm yard manure was applied in Sq.</p>				<p>mealybug eggs should be carried out at regular interval</p> <ul style="list-style-type: none"> <li>● Spray of Nativo or Top guard was recommended for the control of citrus scab, melanose and stem end rot</li> <li>● Spray of copper based fungicide like copper hydroxide @ 2.5 gm/ liter of water is recommended for the control of citrus canker</li> <li>● Stem pasting of fungicides success along with lime @ 1 : 10</li> </ul>	
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				No. 16/E.					
12	PPRI, Faisalabad	Spinach		Cercospora leaf spot 09%	Satisfactory			<ul style="list-style-type: none"> <li>● Spray the crop with</li> <li>● Amistar-Top @ 2 ml / lit of water</li> <li>● Score @ 1 ml / lit. of water</li> <li>● Topsin-M @ 2gm / lit of water</li> </ul>	
		Bell pepper		Collar rot Up to 8%	Satisfactory		<ul style="list-style-type: none"> <li>● Spray the collar potation of plants along with adjacent soil with</li> <li>● Aleitte @ 2 gm / lit of water</li> <li>● Acrobat-MZ @ 3 gm / lit. of water</li> <li>● Ridomil gold @ 2.5 gm / lit of water</li> </ul>		
		Sorghum		Red leaf spot & Leaf Blight 10 %	Satisfactory		<ul style="list-style-type: none"> <li>● Spray the crop with</li> <li>● Topsin-M @ 2.5 gm / lit of water</li> <li>● Score @ 1 ml / lit. of water</li> <li>● Mancozeb @ 3gm / lit of water</li> </ul>		
13	BARI, Chakwal	Groundnut		Hairy caterpillar attack was observed in some areas, which was controlled by spraying insecticides. Weeds infestation was also a serious problem, which	Satisfactory		<ul style="list-style-type: none"> <li>● Harvesting of the crop has been completed. After harvest spread the pods on clean floor to sun dry for 3-4 days. Then dried pods should be separated from immature, empty and damaged pods to keep quality</li> </ul>	Agricultural Experts should be consulted for the control of insects & diseases. Farmers can contact on Mobile phone No. 0334562212	

			was eradicated manually and by spraying weedicides.				produce. Store the pods in cloth or gunny bags for longer storage	5 (Fida Hassan Shah) for the production technology and problems of Groundnut crop.
	Olive		Very mild attack of wooly aphid is being observed at a few orchards.	Satisfactory			<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 Chlorpyrifos @ 7ml/L of water</li> <li>● Bring consideration of your activities for next year fruiting orchard</li> <li>● Prepare your olive orchard for next year by pruning</li> <li>● Apply rotted farm yard manure, first dose pf Nitrogen, all Phosphorus and All Potash after pruning during December-January.</li> </ul>	Advisory services are being provided to the farmers at the institute as well as on the farms.