

Weekly Crop Situation Report

25.12.2021 to 31.12.2021

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 (1 st estimate, Crop reporting services 2021-22)	Stem borer, Whip Smut in plant crop and Weed infestation in neglected fields.	Satisfactory			<ul style="list-style-type: none"> ● Chemical and cultural practices of weed control should be adopted ● Irrigate the planted sugarcane according to crop requirement and weather forecast ● Stop irrigation one month before harvesting ● Harvest the crop at ground level/one inch below to avoid Larvae attack ● Cover the harvested crop and supply it to Sugar Mills as early as possible to minimize the staling losses ● Spray of bifenthrin or lamada @ 250-400ml respectively should be sprayed in case of attack of black bugs especially on ratoon crop 	Frequent feedback received from the farmers

								<ul style="list-style-type: none"> ● Use recommended insecticide to control borer etc attack to the crop ● Use Chloripyriphose @ 1.5 L/acre to control sugarcane pyrilla ● Use Zinc Phosphide as bait to check rodents attack in lodged crop 	
2	Vegetable Research Institute, Faisalabad	Spinach		Leaf Blight & Army worm	Satisfactory			<ul style="list-style-type: none"> ● Judicious use of fertilizers for better production of fresh crop ● Irrigate the field as per atmospheric conditions ● Spray against insects, pests and diseases ● Weeds must be eradicated to minimize plant weed competition 	
		Bitter gourd		Myrothecium, Leaf minor, Downy Mildew and viral diseases	Satisfactory			<ul style="list-style-type: none"> ● Judicious use of fertilizers for better production ● Keep clean the field from weeds ● Irrigate the crop as per climatic conditions ● Train the plants on net for insurance of 	

							<p>quality of fruit and reducing the chances of disease spread</p> <ul style="list-style-type: none"> ● Spray against insects, pests and diseases 	
	Radish		Medium	Satisfactory			<ul style="list-style-type: none"> ● Careful seed bed preparation ● Use of certified seed with recommended seed rate ● Treatment of seed with fungicide for eradication of soil borne diseases ● Proper utilization of fertilizers to better production ● Spray against insects and pests ● Spray against pre and post emergence weeds 	
	Turnip		Medium	Satisfactory			<ul style="list-style-type: none"> ● Careful seed bed preparation ● Use of certified seed with recommended seed rate ● Treatment of seed with fungicide for eradication of soil borne diseases 	

							<ul style="list-style-type: none"> • Proper utilization of fertilizers to better production • Spray against insects and pests • Spray against pre and post emergence weeds 	
		Cauliflower	Medium to high	Satisfactory			<ul style="list-style-type: none"> • Efficient seed bed preparation • Use of certified seed with recommended seed rate • Treatment of seed with fungicide for eradication of soil borne diseases • Proper utilization of fertilizers to better production • Spray against insects and pests • Spray against pre and post emergence weeds 	
		Cabbage	Medium to high	Satisfactory			<ul style="list-style-type: none"> • Meticulous seed bed preparation • Use of certified seed with recommended seed rate • Treatment of seed with fungicide for eradication of soil borne diseases 	

							<ul style="list-style-type: none"> • Proper utilization of fertilizers to better production • Spray against insects and pests • Spray against pre and post emergence weeds 	
		Carrot			Satisfactory		<ul style="list-style-type: none"> • Balance use of fertilizers during seed bed preparation • Use of certified seed for good production • Complete the sowing of crop with no more delay • Spray against pre emergence as well as post emergence weeds 	
		Coriander		Medium to high	Satisfactory		<ul style="list-style-type: none"> • Complete thinning of the off type plants in crop sowing • Complete the sowing of crop with no more delay • Keep the field weed free • Spray against pests and diseases if any 	
3	Oilseed Research	Brassica		Pests: Nil Disease: Nil Weeds: Nil	Satisfactory		<ul style="list-style-type: none"> • Second irrigation should be provided at flowering 	

	Institute, Faisalabad							<ul style="list-style-type: none"> ● Apply Sulphur @ 6 Kg/acre with irrigation at flowering for significant increase in yield 	
		Linseed			Satisfactory			<ul style="list-style-type: none"> ● Irrigate the field after one month of germination ● Remove excess plants before first irrigation ● Give 1 bag urea with first irrigation 	

4	Pulses Research Institute, Faisalabad	Chickpea & lentil	Sowing is in progress					<p>Rabi Crop: (Chickpea & lentil)</p> <ul style="list-style-type: none"> ● Eradicate the weeds from fields at an early stage ● First hoeing should be done after 30-40 days of sowing and second hoeing after one month of first hoeing ● Use of rotary in is suitable method in Thal region to eradicate weeds ● Apply 1st irrigation to kabuli gram and lentil crops after 60-70 days of sowing in irrigated areas ● Termite infested soils may be treated with proper insecticides in irrigated areas 	
5	Entomological Research Institute, Faisalabad	Sugarcane		Borers Complex 00-0.65% Pyrilla 00-0.15 per leaf Mealybug Nil Whitefly Nil Black bug 0-0.25	In the current situation, fruit borer and fruit fly are present on guava			<ul style="list-style-type: none"> ● Creating awareness among farmers about major insect pests problem and suggested integrated approach for controlling insect pests 	
		Cotton		Crop terminated					

		Wheat	Nil					
		Mango	Mango Fruit Fly Nil Mango Hopper 0-0.20 nymph or adult/ branch					
		Citrus	Fruit Fly 0-2.85% infestation Psylla0-.055 per Leafminer 0-1.75% Black Fly 0-0.20 per leaf					
		Guava	Fruit Fly 0-5.70% infestation 0-07/trap/week Fruit Borer 0-0.20 %					
		Vegetables	Brinjal fruit borer 0-4.80% Thrips Above ETL Mites Below ETL Armyworm In patches Cucurbit sucking insects Below ETL Fruit Fly 0-4.80% Jassid 0-0.10 per leaf					
		Rice	Plant Hopper Nil					
		Maize	Stem borer Nil					

6	Fodder Research Institute, Sargodha	Rabi Fodder			Good			<ul style="list-style-type: none"> ● As the temperature is dropping day by day. Light irrigation is recommended to mitigate the harmful effects of low temperature 	
7	Citrus Research Institute, Sargodha	Citrus	0.45 Million Acre	<p><u>Plant Pathology Division</u> Some symptoms of citrus scab and citrus canker diseases observed on fruit and leaves of citrus orchard respectively.</p> <p><u>Entomology Division</u> There was also miner infestation of citrus red scales in orchards and no other insect attack was found.</p> <p><u>Weeds Condition</u> Weeding practice was done where necessary.</p>	Satisfactory			<ul style="list-style-type: none"> ● Regular pest monitoring should be done ● Washing and waxing of fruits before consumption is recommended for citrus fruits ● Spray of copper based fungicide like copper hydroxide @ 2.5 gm/ liter of water for the control of citrus canker and scab is recommended 	
8	PPRI, Faisalabad	Bitter gourd		Myrothecium leaf spot 07%				<p>Spray the crop thoroughly with</p> <ul style="list-style-type: none"> ● Antracol @ 3gm/liter of water 	

								<ul style="list-style-type: none"> ● Mencozeb@ 3gm/liter of water ● Nativo @1gm/liter of water 	
		Spinach		Cercospora leaf spot 07%				Spray the crop with <ul style="list-style-type: none"> ● Amistar-Top @ 2 ml / lit of water ● Score @ 1 ml / lit. of water ● Topsin-M @ 2gm / lit of water 	
9	Arid Zone Research Institute, Bhakkar	Chickpea						<ul style="list-style-type: none"> ● Manual hoeing and weeding should be carried out to control the weeds ● Irrigation should be applied after 20th December by keeping in view the weather forecast 	
		Wheat						<ul style="list-style-type: none"> ● Irrigation should be applied with urea ● Broad leaf weeds should be control by applying recommended weedicides like Broxmonal, Buctural super etc 	
10	BARI, Chakwal	Groundnut	0.22	Hairy caterpillar attack was observed in some areas, which was controlled by spraying insecticides.	Satisfactory			<ul style="list-style-type: none"> ● Harvesting of the crop has been completed. Then dried pods should be separated from immature, empty and damaged pods 	Agricultural Experts should be consulted for the control of insects & diseases. Farmers can

				Weeds infestation was also a serious problem, which was eradicated manually and by spraying weedicides.				to keep quality produce ● Store the pods in cloth or gunny bags for longer storage. Stored the dried pods in gunny bags for longer duration at ventilated place	contact on Mobile phone No. 03345622125 (Fida Hassan Shah) for the production technology and problems of Groundnut crop.
		Olive		No serious attack of insects or diseases	Satisfactory			● Remove suckers from the trunk base of all trees	Advisory services are provided to the farmers at the institute as well as on the farms.
11	Agronomic Research Institute, Faisalabad	Sugarcane			Normal	0.0 mm (Faisalabad) 0.0 mm (Farooqabad, S.Pura) 0.0 mm (Khanewal)	20.8 /5.8 °C (Faisalabad) 19.42/7.57 °C (Farooqabad) 20.28/9.4 °C (Khanewal)	● Irrigate the crop as per the need ● Use appropriate insecticide for the control of root borer	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
		Wheat				0.0 mm (Karor, Layyah) 0.0 mm (Bahawalpur)	20.7 /4.2 °C (Karor, Layyah) 19.00/4.0 °C (Bahawalpur)	● Weeds rob the crop plants of many nutrients, moisture, sunlight and space; thus their effective and timely control is indispensable. Use only the recommended weedicides and methods of spray to control weeds	

							<ul style="list-style-type: none"> • Complete production plan can be assessed at http://dai.agripunjab.gov.pk/ 	<p>Ashiq (Senior Scientist) of this institute. His contact number is 0300-76 57 249.</p> <p>Fertilizer management should be based on soil fertility status and irrigation of crops should be based on weather forecast. Pest scouting may be done where necessary and coordinate the Agri. extension staff.</p>
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