Weekly Crop Situation Report

25.12.2020 to 01.01.2021

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		No diseases or pests have been observed. Weeds are appearing in wheat fields.	Good			● Farmers are advised to apply 1st irrigation and remaining amount of urea ● Late sowing of wheat should be avoided	Wheat sowing targets have been successfully achieved.
2	Sugarcane Research Institute, Faisalabad	Sugarcane	643	Stem borer, Whip Smut in plant crop and Weed infestation in neglected fields.	Normal			● Regularly visit the crop, if any problem about insect/ pest, and disease will be solved ● 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 ● Irrigate the September planted sugarcane	Frequent feedback received from the farmers

								according to crop requirement and weather forecast ● Chemical and cultural control of weed practices should be adopted ● Use light traps, Trichograma cards and Chrysoperla to control borer and white fly ● Use Zinc Phosphide as bait to check rodents attack in lodged crop ● Spray of bifenthirn or lamada @ 250 ml or 400ml respectively should be sprayed in case of attack of black bugs especially on ratoon crop	
3	Vegetable Research Institute, Faisalabad	Spinach		Army worm, leaf minor and cutworm	Satisfactory			● Judicious use of fertilizers for better seed production as well as better production of fresh crop ● Irrigate the field as per atmospheric condition for better fresh production ● Spray against insects, pests and diseases	

								● Weeds must be eradicated to minimize plant weed competition	
		Bittergourd		Myrothecium, girding weevil and fruit fly	Satisfactory			● Judicious use of fertilizers for better production and continue fertilizer application after every picking ● Irrigate the field as per atmospheric condition for better fresh production ● Weeds eradication to minimize plant weed competition ● Train the plants on net for insurance of quality of fruit and reducing the chances of disease spread ● Spray against insects, pests and diseases	
		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	

								● 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 ● No more delay in steckling for better seed production	
		Cauliflower		Cabbage butterfly	Satisfactory			● Meticulous 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 ● Irrigate the field according to climatic conditions ● Spray against pre and post emergence	

								weeds	
		Cabbage		Cabbage butterfly	Satisfactory			● Proper utilization of fertilizers to better production ● Irrigate the field according to climatic conditions ● Spray against insects and pests ● Spray against pre and post emergence weeds	
		Carrot			Satisfactory			● Judicious use of fertilizers for uniform and significantly higher root yield ● Irrigation according to climatic conditions ● Spray against pre emergence as well as post emergence weeds ● Spray against insect pests and diseases. ● No more delay in steckling for better seed production	
		Coriander		cutworm	Satisfactory			● Complete thinning of the off type plants in crop sowing ● Complete the sowing of crop with no more delay ● Keep the field weed	

								free ● Irrigate the field according to climatic conditions ● Spray against pests and diseases if any	
4	Oilseed Research Institute, Faisalabad	Brassica			Satisfactory			● Second irrigation should be provided at flowering ● Sulphur @ 6 Kg/acre with irrigation at flowering for significant increase in yield ● Spray Lambda cyhalothrin 2.5 EC @ 330 ml/acre against Mustard Sawfly and Painted bug	
		Linseed			Satisfactory			● Irrigate the field after one month of germination ● Remove excess plants before first irrigation ● Give 1 bag urea with first irrigation	
5	Pulses Research Institute, Faisalabad	Gram		Attack of termite and Fusarium wilt may damage crop at this stage in gram.				**Rabi Crop:** (Chickpea & lentil) ● Eradicate the weeds from fields at an early stage. Use of rotary is suitable method in Thall region to eradicate	During 2019-20, area under gram crop in Punjab decreased by 0.7 % however its
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								weeds ● Apply 1st irrigation to gram and lentil crops after 50-60 days of sowing in irrigated areas ● Termite infested soils may be treated with proper insecticides in irrigated areas	production was recorded 14 percent higher in comparison to its 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.
6	Horticulture Research Institute, Faisalabad	Guava		Infestation of weeds were recorded	Satisfactory			● Apply completely decomposed farmyard manure ● Continue regular cultural practices ● Apply light irrigation during expected frosty nights	
		Date Palm		Spray chlropyriphos				● Irrigate newly planted field every	

				around the stems which are exposed to red palm weevil and do earthen up				week ● Cover newly planted offshoots with rice straw or date palm fronds and tie them firmly from top ● Control red palm weevil by insertion of Phostoxin tablets in holes made by red palm weevil and mud the holes with chlori mix paste ● Burn remains of infected stems ● Eradicate weeds from field manually or by hoeing	
		Ber						● Apply preventive fungicide against diseases of Ber ● Eradicate weeds from field ● Apply light irrigation during and fruit setting ● Apply fertilizer if not applied yet ● Remove polythene sheet from sprouted scions ● Cover grafted plants with polythene sheet	

7	Agronomic Research Institute, Faisalabad	Sugarcane			Satisfactory			● Irrigate the crop as per the need. Rouge out the diseased plants from the field. Beware of the rodents as well. Use appropriate insecticide for the control of root borer. Do not irrigate the crop which is to be harvested	
		Wheat			Satisfactory			● 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. Use appropriate & recommended herbicides for weed control	
8	Entomological Research Institute, Faisalabad	Sugarcane		Borers Complex 0-0.2% Pyrilla 0-0.10 per leaf Mealybug Nil Whitefly Nil Black bug 0-1.0	Fruit borer and fruit fly are present on guava			● Creating awareness among farmers about major insect 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 0-2.0 % Psylla 0-0.15 per Leafminer 0-1.5% Black Fly 0.1 per leaf					
		Guava		Fruit Fly 0-5.45% infestation 0-4/trap/week Fruit Borer 0-0.15 %					
		Vegetables		Brinjal fruit borer 0-4.15% Thrips Below ETL Mites Above ETL Armyworm In patches Cucurbit sucking insects Below ETL Fruit Fly 0-4.15% Jassid 0-0.10 per leaf					
		Rice		Plant Hopper Nil					
		Maize		Stem borer Nil					
9	Citrus Research Institute, Sargodha	Citrus		**Plant Pathology Division** Symptoms of citrus scab, canker,	Satisfactory			• Surveillance and monitoring of mealybug eggs should be carried out at regular	

				melanose and stem end rot were observed on citrus fruits. Stem Gummosis was observed on most of the citrus varieties. **Entomology Division** There is no serious infestation of any insect pest in the citrus orchard. However, infestation of mealybug is forecasted in the mid-January.				interval ● Spray of Nativo or Top guard was recommended for the control of citrus scab, melanose and stem end rot ● Spray of copper based fungicide like copper hydroxide @ 2.5 gm/ liter of water is recommended for the control of citrus canker ● Stem pasting of fungicides success along with lime @ 1 : 10.	
10	PPRI, Faisalabad	Spinach		Cercospora leaf spot 08%	Satisfactory			Spray the crop with ● Amistar-Top @ 2 ml / lit of water ● Score @ 1 ml / lit. of water ● Topsin-M @ 2gm / lit of water	
		Bell pepper		Collar rot Up to 7%	Satisfactory			Spray the collar potation of plants along with adjacent soil with ● Aleitte @ 2 gm / lit of water ● Acrobat-MZ @ 3 gm / lit. of water	

								● Ridomil gold @ 2.5 gm / lit of water	
		Citrus		Scab 7%	Satisfactory			● Difenconazole @ 1ml./litre of water	
11	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 was eradicated manually and by spraying weedicides.	Satisfactory			● 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 produce. Store the pods in cloth or gunny bags for longer storage	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.
		Olive		Very mild attack of wooly aphid is being observed at a few orchards.	Satisfactory			● Control the attack of Wooly Aphid by spraying Biphenthrine @4ml/ L of water ● Control Termites attacks in new planted olive plants by applying Chlorpyrifos @ 7ml/L of water ● Bring consideration of your activities	Advisory services are being provided to the farmers at the institute as well as on the farms.

								for next year fruiting orchard ● Prepare your olive orchard for next year by pruning ● Apply rotted farm yard manure, first dose pf Nitrogen, all Phosphorus and All Potash after pruning during December-January	
12	Arid Zone Research Institute, Bhakkar	Wheat						● Complete 2nd irrigation 60 days after sowing ● Weedicides application must be completed after 2nd irrigation ● In poor soil urea fertilizer application must be completed up to 3rd irrigation ● Timely irrigation may be applied to avoid frost injury	
		Chickpea						● 1st irrigation to the Gram crop must be applied 70 Days after sowing ● Weed management is dire need of the time for maximum yield	