Weekly Crop Situation Report

23.01.2021 to 29.01.2021

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	Punjab = 16.210 Pakistan= 22.635	Weeds have appeared in wheat fields which need proper control.	Good			● If weedicide still not applied, then use recommended dose. The remaining half of nitrogen is top dressed in wet soil. On light textured soils, nitrogen should be applied in three splits ● Be vigilant about rust	
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			● Prepare the field for February plantation of sugarcane ● 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 according to crop	Frequent feedback received from the farmers

								requirement and weather forecast ● Regularly visit the crop, if any problem about insect/ pest, and disease will be solved ● 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 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 ● Save the crop from frost in growing area ● Weeds must be eradicated to minimize plant weed competition	
		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 ● Maintenance of recommended distance 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 production technology for seed production ● No more delay in steckling for better seed production ● Maintenance of recommended distance for better seed production	
		Cauliflower		Cabbage butterfly	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 recommended seed production technology	

		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 ● Adopt recommended seed production technology ● Application of phosphorous fertilizer essential for better growth and development at head formation stage	
		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 ● Maintenance of recommended distance for better seed production	
		Coriander		cutworm	Satisfactory			● Complete thinning of the off type plants in crop sowing ● Keep the field weed free ● Irrigate the field according to climatic conditions. ● Spray against pests and diseases if any ● Save the crop from frost in growing areas	
4	Oilseed Research Institute, Faisalabad	Brassica		Pests: Nil Disease: Nil Weeds: Nil	Satisfactory			● Second irrigation should be provided at flowering ● Sulphur @ 6 Kg/acre with irrigation at flowering for significant increase in yield ● Spray Carbosulfan 20 EC @ 500 ml/acre against Mustard aphid if its population reaches at ETL (50-60) per top 10 cm of central shoot/twig	

		Linseed						● 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			Satisfactory			**Rabi Crop: (Chickpea & lentil)** ● Eradicate the weeds from fields at an early stage. Use of rotary is suitable method in Thall region to eradicate weeds ● Termite infested soils may be treated with proper insecticides in irrigated areas ● 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	
		Masoor							

								the infected plant and buried them deep in the soil	
6	Horticulture Research Institute, Faisalabad	Guava	0.139	Infestation of weeds were recorded	Satisfactory			● Apply completely decomposed farmyard manure ● Continue regular cultural practices	
		Date Palm	0.0148	Spray chlropyriphos around the stems which are exposed to red palm weevil and do earthen up				● Irrigate newly planted field according to the prevailing weather conditions ● Cover newly planted offshoots with rice straw or date palm fronds and tie them firmly from top	
		Ber	0.0135	Apply preventive fungicide against diseases of Ber. Eradicate weeds from field. Apply third spray of tro chlorofon against fruit fly if needed				● Apply fertilizer if not applied yet ● Cover grafted plants with polythene sheet	
7	Agronomic Research Institute, Faisalabad	Sugarcane			Satisfactory	0.0 mm (Faisalabad) 0.0 mm (Farooqabad, S.Pura) 0.0 mm (Khanewal)	20.2/4.5°C (Faisalabad) 19.42/6.14°C (Farooqabad) 20.9/2.57°C (Khanewal) 21.1/3.1°C (Karor,	● Irrigate the crop as per the need ● Rouge out the diseased plants from the field ● Beware of the rodents as well	

						0.0 mm (Karor, Layyah) 17.0/6.0°C (Bahawalpur) 0.0 mm (Bahawalpur)	Layyah) 17.0/6.0°C (Bahawalpur)	● 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 ● Check the weather forecast prior to irrigating the crop	
8	Entomological Research Institute, Faisalabad	Sugarcane		Borers Complex 0-0.2% Pyrilla 0-0.20 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	
		Wheat		Aphid Incidence found					
		Mango		Mango Fruit Fly Nil Mango Hopper 0-0.2 nymph or adult/ branch					

		Citrus		Fruit Fly 0-1.8 % Psylla 0-0.3 per Leafminer 0-2.3% Black Fly 0.2 per leaf					
		Guava		Fruit Fly 0-4.75% infestation 0-5/trap/week Fruit Borer 0-0.25 %					
		Vegetables		Brinjal fruit borer 0-3.7% Thrips Below ETL Mites Above ETL Armyworm In patches Cucurbit sucking insects Below ETL Fruit Fly 0-3.7% Jassid 0-0.1 per leaf					
		Rice		Plant Hopper Nil					
		Maize		Stem borer Nil					
9	Fodder Research Institute, Sargodha	Rabi Fodder		No disease and insect/pest attack was observed on berseem, lucerne and oats crops.	Good			● Take the cut of Berseem when attain the height about two feet ● Weed eradication is necessary especially kasani from seed crop of Berseem	
10	Citrus Research	Citrus		**Plant Pathology Division**	Satisfactory			● Surveillance and monitoring of	

	Institute, Sargodha			Old symptoms of citrus scab, canker, melanose and stem end rot were observed on citrus fruits. However, all the pathogens are silent due to weather conditions, therefore, no new symptoms of any disease were observed. Stem Gummosis was observed on most of the citrus varieties. **Entomology Division** There is minor infestation of mealy bug in the citrus orchard.				mealybug eggs should be carried out at regular interval ● Spray of copper based fungicide like copper hydroxide @ 2.5 gm/ liter of water is recommended where fruit has been harvested ● Stem pasting of fungicides success along with lime @ 1 : 10 is recommended for the control of gummosis	
11	PPRI, Faisalabad	Spinach		Cercospora leaf spot 10%	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 8%	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	
		Sorghum		Red leaf spot & Leaf Blight 11 %	Satisfactory			Spray the crop with ● Topsin-M @ 2.5 gm / lit of water ● Score @ 1 ml / lit. of water ● Mancozeb @ 3gm / lit of water	
12	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			● 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	
		Olive		Very mild attack of wooly aphid is being observed at a few orchards.	Satisfactory			● Advisory services are provided to the farmers at the institute as well as on the farms.	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 for next year fruiting orchard
13	Arid Zone Research Institute, Bhakkar	Wheat						• Narrow leaved weedicides application should be completed before heading • Increase the frequency of irrigation due to heavy frost especially in week soils • In frost effected crops apply ammonium nitrate @ 6 kg / canal for better growth and improvement	
		Chickpea						• Gram bod borer and blight infestation can be problem, so pest/ disease	

								scouting must be performed on weekly basis ● Weed management is dire need of the time for maximum yield	