Weekly Crop Situation Report

27.11.2021 to 03.12.2021

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 (1st estimate, Crop reporting services 2021-22)	Stem borer, Whip Smut in plant crop and Weed infestation in neglected fields.	Satisfactory			● 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 bifenthirn 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

								● 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			● 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	New flesh of the crop may increase fresh production of the crop.
		Bitter gourd		Myrothecium, Leaf minor, Downy Mildew and viral diseases	Satisfactory			● 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	

								quality of fruit and reducing the chances of disease spread ● Spray against insects, pests and diseases	
		Radish		Medium	Satisfactory			● 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	Early crop production prom Punjab is in market.
		Turnip		Medium	Satisfactory			● Careful seed bed preparation ● Use of certified seed with recommended seed rate ● Treatment of seed with fungicide for eradication of soil borne diseases	Early crop production prom Punjab is in market.

								● Proper utilization of fertilizers to better production ● Spray against insects and pests ● Spray against pre and post emergence weeds	
		Cauliflower		Medium to high	Satisfactory			● 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	Early crop production prom Punjab is in market.
		Cabbage		Medium to high	Satisfactory			● Meticulous seed bed preparation ● Use of certified seed with recommended seed rate ● Treatment of seed with fungicide for eradication of soil borne diseases	Early crop production prom Punjab is in market.

								● Proper utilization of fertilizers to better production ● Spray against insects and pests ● Spray against pre and post emergence weeds	
		Carrot			Satisfactory			● 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			● 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			Satisfactory			● Second irrigation should be provided at flowering	

	Institute, Faisalabad							● Apply 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	
4	Pulses Research Institute, Faisalabad	**(Chickpea & lentil)**						**Rabi Crop: (Chickpea & lentil)** ● Eradicate the weeds from fields at an early stage ● Apply 1st irrigation to gram and lentil crops after 45-60 days of sowing in irrigated areas ● Termite infested soils may be treated with proper insecticides in irrigated areas	
		Mung & Mash:							

								● Appearance of early smog may delay germination **Mung & Mash:** ● Cleaning and drying process be completed before storage ● Store harvested mung and mash after proper drying and fumigate the produce. Use Phostoxin pills to keep the store free from grain store pests	
5	Horticulture Research Institute, Faisalabad	Guava	0.139	Infestation of weeds were recorded Remove weeds by ploughing the field	Satisfactory			● Adopt suitable measures to control fruit borers	Increase in irrigation interval as temperature decreases
		Date Palm	0.0148	Control red palm weevil by inserting phostoxin tablets in holes made by RPW or hang pheromone traps				● Apply NPK fertilizer to all physically weak plants	Earth up around the stems of plants after hoeing
		Ber	0.0135	Apply 1st spray of trichlorphon				● Apply 1st dose of nitrogenous fertilizer to all bearing plants	Continue irrigation on monthly basis to

				on bearing plants against fruit fly					bearing plants and do hoeing after wattar conditions
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)	26.0 /9.5 °C (Faisalabad) 28.71/15.85 °C (Farooqabad) 26.93/8.47 ˚C (Khanewal) 26.5 /9.6 °C (Karor, Layyah) 25.00/9.0 °C (Bahawalpur)	● Irrigate the crop as per the need ● Use appropriate insecticide for the control of root borer ● Apply urea to the spring planted crop	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. Fertilizer management should be based on soil
		Rice						● Keep an eye on the weather forecast as well prior to harvesting and threshing the crop	
		Wheat						● Sown only the area wise recommended varieties. True to type pure and healthy seed should be used for sowing ● Complete production plan can be assessed at http://dai.agripunjab.gov.pk	

									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.
7	Entomological Research Institute, Faisalabad	Sugarcane		Borers Complex 0-1.15% Pyrilla 0-0.75 per leaf Mealybug Nil Whitefly Nil Black bug 0-0.5	In the current situation, 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 Nil Pink Bollworm 3% Dusky Cotton Bug Nil					
		Wheat							
		Mango		Mango Fruit Fly Nil Mango Hopper 0-0.5 nymph or adult/ branch					

		Citrus		Fruit Fly 0-3.3 % Psylla0-1.0 per Leafminer 0-2.15% Black Fly 0-0.5 per leaf					
		Guava		Fruit Fly 0-6.75% infestation 0.10/trap/week Fruit Borer 0-0.35 %					
		Vegetables		Brinjal fruit borer 0-5.65% Thrips Below ETL Mites Above ETL Armyworm In patches Cucurbit sucking insects Below ETL Fruit Fly 0-5.35% Jassid 0-0.1 per leaf					
		Rice		Plant Hopper Nil					
		Maize		Stem borer Nil					
8	Fodder Research Institute, Sargodha	Rabi Fodder		Infestation of weeds was observed in fodder crop.	Good			● Farmers should be vigilant about infestation of weeds especially in fodder	Sowing of Rabi fodder crops should be completed as early as possible.
9	Citrus Research Institute, Sargodha	Citrus	0.45 Millio	**Plant Pathology Division**	Satisfactory			● Regular pest monitoring should be done	

			n Acre	Fruit drop was observed in citrus orchard. Some symptoms of citrus scab and citrus canker diseases observed on fruit and leaves of citrus orchard respectively. Stem end rot of Kinnow fruit was found very common. **<u>Entomology Division</u>** Some population of lemon butterfly was observed in orchard and nursery. Moreover, there was also miner infestation of citrus red scales on some orange varieties. **<u>Weeds Condition</u>** Weeding practice along with stem pasting was done where necessary..				● Hand picking of larvae of lemon butterfly should be encouraged ● Spray Nativo @ 65 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	

10	PPRI, Faisalabad	Bitter gourd		Myrothecium leaf spot 07%				Spray the crop thoroughly with ● Antracol @ 3gm/liter of water ● Mencozeb@ 3gm/liter of water ● Nativo @1gm/liter of water	
		Spinach		Cercospora leaf spot 07%				Spray the crop with ● Amistar-Top @ 2 ml / lit of water ● Score @ 1 ml / lit. of water ● Topsin-M @ 2gm / lit of water	
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			● Harvesting of the crop has been completed. 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. Stored the dried pods in gunny bags for longer duration at ventilated place	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			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.