Weekly Crop Situation Report

24.07.2021 to 30.07.2021

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 (2nd estimate, Crop reporting services 2020-21)	Stem borer, Whip Smut in plant crop and Weed infestation in neglected fields	Normal			● Chemical and cultural practices of weed control should be adopted ● Irrigate the September and Spring planted sugarcane according to crop requirement and weather forecast ● Regularly visit the crop, if any problem about insect/ pest, and disease will be solved ● Spray of bifenthirn or lamada @ 250-400ml respectively should be sprayed in case of attack of black bugs especially on ratoon crop ● Apply 30% more fertilizer to the ratoon crop ● Apply Urea fertilizer to the	Frequent feedback received from the farmers

								spring planted crop of sugarcane ● Use recommended insecticide to control borer etc attack to the crop ● Use Chloripyriphose @ 1.5 L/acre to control sugarcane pyrilla ● Rouge out diseased/ smut plants from the field ratoon crop	
2	Vegetable Research Institute, Faisalabad	Spinach		Leaf Blight, Aphid and Jassid	Satisfactory			● Judicious use of fertilizers for better seed production as well as 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 ● Remove extra raining water from the field	The crop is at seed setting stage hence fresh production is decreasing. Heavy rains may deteriorate fresh production/seed quality.
		Chilies		Aphid, Thrips and viral infestation	Satisfactory			● Judicious use of fertilizers and proper irrigate the	The crop is at seed setting stage

								field ● Adopt recommended seed production technology ● Spray against sucking insects if required ● Keep filed weed free in both tunnels and open field ● Maintain proper irrigation at flowering and fruit development stages ● Remove extra raining water from the field	hence fresh production is decreasing. Heavy rains may deteriorate fresh production/seed quality.
		Bottle gourd		Red pumpkin beetle, girding weevil and fruit fly	Satisfactory			● Adopt recommended seed production technology ● Keep the field weed free to remove crop plant and weed competition ● Maintain proper irrigation at flowering and fruit development stages. Remove extra raining water from the field	The crop is at seed setting stage hence fresh production is decreasing. Heavy rains may deteriorate fresh production/seed quality.
		Okra/Lady Finger		Red pumpkin beetle, gray mold, rotening, Aphid & Fungal	Satisfactory			● Judicious use of fertilizers for better production. ● Adopt	The crop is at seed setting stage hence fresh

				Diseases.				recommended seed production technology ● Keep the field in weed free condition ● Irrigate the field as per climatic conditions. Remove extra raining water from the field	production is decreasing. Heavy rains may deteriorate fresh production/seed quality.
		Bitter gourd		Myrothecium, Leaf minor, Aphid, Jassid, Downy Mildew and viral diseases	Satisfactory			● Judicious use of fertilizers for better production ● Adopt recommended seed production technology ● Keep clean the field from weeds ● Irrigate the crop as per climatic conditions ● Remove extra raining water from the field	Sowing of Karali segment is in progress that would ensure the availability of bitter gourd through the whole Rabi season.
3	Oilseed Research Institute, Faisalabad	Sesame		Pests: Nil Disease: Nil Weeds: Nil	Satisfactory			● Thinning should be done at earliest to maintain appropriate plant population ● First irrigation should be provided 20-25 days after germination ● Second irrigation at flowering stage, third irrigation at	

								pod formation stage and fourth irrigation should be provided at seed setting stage ● ½ bag urea should be provided with first irrigation and ½ bag Urea should be provided at flowering stage in case of TS-5 ● 1/3 bag urea should be provided each time with first, second and third irrigation in case of TH-6 ● Remove rain water from field as soon as possible ● Spray imidacloprid 100 SL@ 200 ml/acre to control mirid bug infestation	
4	Pulses Research Institute, Faisalabad	Mung						**Kharif Crop:** ● Prepare soil, arrange input for mung and mash and complete sowing on first monsoon rain when temperature is below 40 degrees ● Use only certified seed of latest approved varieties	
		Mash							

								Spring sown Mung & Mash: ● Eradicate the weeds from fields ● Manage mature crop harvesting keeping in view the weather ● In case of heavy rains arrange drainage from fields ● For mechanical harvesting apply any defoliate 6-8 days before harvesting the crop	
5	Horticulture Research Institute, Faisalabad	Guava	0.139	Infestation of weeds were recorded Remove weeds by ploughing the field	Satisfactory			● Weed population must be under control as their proliferation attracts insects and diseases ● Apply regular irrigation ● Install methyl eugenol traps top manage fruit fly ● Recharge traps at fortnightly basis	
		Date Palm	0.0148	Control red palm weevil by inserting phostoxin tablets in holes made by RPW and mud				● Arrange the spathes along with fronds to facilitate thinning	Start bunch covering of late varieties against rains

				the holes with chlori mix paste					
		Ber	0.0135	Start pasting of lime and copper sulfate on stem against high temperature				● Collect stones and sow after dipping in fungicide solution in mixture of silt and upper farm soil	Uncover the polythene sheet from grafted plants that sprouted well. Cut sprouts from rootstock.
6	Agronomic Research Institute, Faisalabad	Sugarcane			Satisfactory	0.0 mm (Faisalabad) 0.0 mm (Farooqabad, S.Pura) 0.0 mm (Khanewal) 18.0 mm (Karor, Layyah) 0.0 mm (Bahawalpur)	36.1/28.3°C (Faisalabad) 37.0/24.0°C (Farooqabad) 37.75/27.48°C (Khanewal) 38.81/24.16°C (Karor, Layyah) 42.0/28.0°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.
		Rice						● Complete production technology can be found at http://dai.agripunjab.gov.pk/system/files/RICE%20PLAN%202021-22.pdf. Transplant only the healthy nursery of proper age	
		Cotton						● Irrigate the crop as per the need ● Use appropriate insecticide for the control of sucking insect (Jassid and Thrips) Apply urea	

								to the crop in split dose. Clean and neat picking should be given due attention where it is ready for picking	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.
		Sesame						● Irrigate the crop as per the requirement ● Use appropriate insecticide for the control of sucking insect pest (Sesame Bugs) ● Sucking pest (Jassid + Bugs) should be controlled by the timely application of recommended pesticides	
7	Entomological Research Institute, Faisalabad	Sugarcane		Borers Complex 0-2.10% Pyrilla 0-1.70 per leaf Mealybug Nil Whitefly Nil Black bug 0-2.3				● Creating awareness among farmers about major insect pests problem and suggested integrated approach for controlling insect pests	
		Cotton		Whitefly 2-10 Thrips 0-03 Jassid 0-0.65 American Bollworm Nil Pink Bollworm Negligible Dusky Cotton Bug Nil					
		Mango		Mango Fruit Fly Nil Mango Hopper					

				0-1.9 nymph or adult/ branch					
		Citrus		Fruit Fly 0-4.15 % Psylla0-2.15 per Leafminer 0-4.55% Black Fly 0-1.8 per leaf					
		Guava		Fruit Fly 0-6.95% infestation 0.19/trap/week Fruit Borer 0-0.40 %					
		Vegetables		Brinjal fruit borer 0-6.45% Thrips Below ETL Mites Above ETL Armyworm In patches Cucurbit sucking insects Below ETL Fruit Fly 0-6.15% Jassid 0-0.6 per leaf					
		Rice		Plant Hopper Nil					
		Maize		Stem borer Nil					
8	Fodder Research Institute, Sargodha	Rabi Fodder			Good			● Sowing of kharif fodders' seed crop may be complete as early as possible. Due to unpredictable weather ● Karif fodders seed may also be treated	

								with fungicide and insecticide before sowing	
9	Citrus Research Institute, Sargodha	Citrus		**Plant Pathology Division** Some symptoms of drying of leaves were observed on different citrus varieties. Minor attack of twig blight. Yellowing of leaves due to high temperature on some orange varieties. **Entomology Division** Minor infestation of citrus psylla, white fly and Lemon butterfly was observed at new flush in citrus orchards.	Satisfactory			● Regular pest monitoring should be done ● Apply spray of Novastar @ 2ml/ liter of water for the control of pests i.e. citrus psylla, white fly and lemon butter fly ● Spray of copper based fungicide like copper hydroxide @ 2.5 gm/ liter of water for citrus canker and Azoxystrobin @ 1 ml/liter of water for fungal diseases is recommended where fruit has been harvested	
10	PPRI, Faisalabad	Cotton		CLCuV Traces	Satisfactory			● Keep a close check on crop daily	
11	BARI, Chakwal	Groundnut	0.22	Hairy caterpillar attack was observed in some areas, which was controlled by	Satisfactory			● Add gypsum @ 200kg per acre at the time of flowering ● Use of gypsum can increase pod size	Agricultural Experts should be consulted for the control of insects &

				spraying insecticides. Weeds infestation was also a serious problem, which was eradicated manually and by spraying weedicides.				and number of pods per plant and also contribute to increase seed quality ● Second weeding should be done at the time of flowering to eradicate weeds and facilitate peg penetration for better pod formation	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 ● Irrigate new planted olive plants by applying to avoid heat stress ● Avoid stress at fruit hardening stage	Advisory services are provided to the farmers at the institute as well as on the farms.