

Weekly Crop Situation Report

22.05.2021 to 28.05.2021

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		Good			<ul style="list-style-type: none"> ● Harvesting of wheat has been completed in Punjab. 20.9 Million Ton Production of wheat in Punjab has been recorded ● Please keep in mind Covid-19 epidemic and follow all the recommended SOPs and avoid unnecessary gathering 	
2	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			<ul style="list-style-type: none"> ● Chemical and cultural practices of weed control should be adopted ● In September planted sugarcane crop, Earthing up should be done ● In September planted apply one bag of Urea and one bag granular/acre ● Irrigate the September and 	Frequent feedback received from the farmers

							<p>Spring planted sugarcane according to crop requirement and weather forecast</p> <ul style="list-style-type: none"> ● Regularly visit the crop, if any problem about insect/ pest, and disease will be solved ● Spray of bifenthrin 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 first dose of Urea fertilizer to the spring planted crop of sugarcane ● Use recommended insecticide to control borer etc attack to the crop 	
3	Vegetable Research Institute, Faisalabad	Spinach		Aphid and Jassid	Satisfactory		<ul style="list-style-type: none"> ● Judicious use of fertilizers for better seed production as well as better production of fresh crop ● Irrigate the field as 	The crop is at seed setting stage hence the fresh crop production is decreasing in

							<ul style="list-style-type: none"> 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 	yield and quality.
	Coriander		Aphid, Jassid and cutworm	Satisfactory			<ul style="list-style-type: none"> ● Judicious use of fertilizers for better seed production as well as better production of fresh crop ● Irrigate the field according to climatic conditions ● Apply nitrogen fertilizer after every cutting of crop ● Spray against pests and diseases if any 	The crop is at seed setting stage hence the fresh crop production is decreasing in yield and quality.
	Tomato		Aphid Jassid, Blight, Grey mold.	Satisfactory			<ul style="list-style-type: none"> ● Judicious use of fertilizers and proper irrigation at flowering and fruit development stage ● Spray against insect pests and diseases ● Maintain proper irrigation at flowering and fruit 	The favorable climatic conditions supplant the fresh production of crop. Moreover, the gradual

							development stages during high temperature days <ul style="list-style-type: none"> • Weeds must be eradicated to minimize plant weed competition 	temperature fluctuations may badly affects the fruit quality.
	Chilies		Aphid, Thrips, viral infestation	Satisfactory			<ul style="list-style-type: none"> • Judicious use of fertilizers and proper irrigate the field • Remove the plastic sheet to manage high temperature effects • 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 during high temperature days 	The crop is at flowering and fruit setting stage hence boost up of fresh production.
	Vegetable Marrow		Red pumpkin beetle, gray mold, rotening, Aphid & Fungal Diseases.	Satisfactory			<ul style="list-style-type: none"> • Judicious use of fertilizer for proper growth and development • Keep clean the field from pre-emergence weeds and remove post emergence weeds • Irrigate the field 	Open filed crop is at flowering and fruiting stage. The heavy storm and rainfall may deteriorate the fruit

							properly according to climatic conditions at flowering and fruit development stage in tunnel sown crop	quality and yield.
	Bottle gourd		Red pumpkin beetle, girding weevil and fruit fly	Satisfactory			<ul style="list-style-type: none"> • Spray against insect pests & diseases • Maintain proper irrigation at flowering and fruit development stages during high temperature days 	
	Okra/Lady Finger		Red pumpkin beetle, gray mold, rotening, Aphid & Fungal Diseases.	Satisfactory			<ul style="list-style-type: none"> • Judicious use of fertilizers after each picking • Keep the field weed free and irrigate the field according to climatic conditions 	Low production due temperature fluctuation and heat waves.
	Bitter gourd		Myrothecium, Leaf minor,	Satisfactory			<ul style="list-style-type: none"> • Judicious use of fertilizers for better production • Fertilizer application after each picking • Planting on both side of ridges keeping field in weed free condition • Irrigate the field climatic conditions and keep the field in wattar conditions 	Low production due temperature fluctuation and heat waves.
							<ul style="list-style-type: none"> • Judicious use of fertilizers for better production 	Low production

				Aphid, Jassid, Downy Mildew and viral diseases				<ul style="list-style-type: none"> ● production ● Fertilizer application after each picking ● Keep clean the field from weeds ● Irrigate the crop twice in a week for reducing high temperature effects and keep the field in watar conditions 	due temperature fluctuation and heat waves.
		Tinda gourd		Leaf minor, Aphid, Jassid, Downy Mildew and viral diseases	Satisfactory			<ul style="list-style-type: none"> ● Balanced fertigation to boost fruiting spell and crop growth ● Fertilizer application after each picking ● Weeds must be eradicated to minimize plant weed competition ● Irrigate the field twice in a week to mitigate high temperature effects and keep the field in watar conditions 	Low production due to delay in sowing, temperature fluctuation and heat waves.
4	Oilseed Research Institute, Faisalabad	Sunflower			Satisfactory			<ul style="list-style-type: none"> ● Spray Emamectin benzoate 1.9 EC @ 200 ml/acre, when head moth larvae are found at onion stage ● Don't Spray 15 days before 	

								harvesting	
5	Pulses Research Institute, Faisalabad	Mung	518.02					Spring sown Mung & Mash: <ul style="list-style-type: none"> ● Eradicate the weeds from fields ● Apply post-emergent herbicides to control broad and narrow leaf weeds ● Remained vigilant against insect pest especially surface hopper, thrips and army worm at this stage. In this case farmers should spray suitable recommended pesticide ● Irrigate the spring sown crop wherever needed Chickpea & Lentil: <ul style="list-style-type: none"> ● Store the harvested Chickpea and Lentil crop produce after drying and cleaning ● Air tight the store after fumigation 	
		Mash	11.669						
6	Horticulture Research Institute, Faisalabad	Guava	0.139	Infestation of weeds were recorded Remove weeds	Satisfactory			<ul style="list-style-type: none"> ● Continue regular cultural practices ● Install pheromone traps to control fruit fly 	

				by ploughing the field				<ul style="list-style-type: none"> ● Prune unwanted, dried and diseased branches 	
		Date Palm	0.0148	Spray chlropyriphos around the stems which are exposed to red palm weevil and do earthen up				<ul style="list-style-type: none"> ● Arrange the spathes along with fronds to facilitate thinning 	
		Ber	0.0135	Arrange lime and copper sulfate for stem pasting against high temperature				<ul style="list-style-type: none"> ● Eradicate weeds from the field ● Do hoeing around grafted plants ● Start annual pruning of bearing plant upto 50% 	
7	Agronomic Research Institute, Faisalabad	Sugarcane			Satisfactory	0.0mm (Faisalabad) 0.0mm (Farooqabad, S.Pura) 0.0 mm (Khanewal) 0.0 mm (Karor, Layyah) 0.0 mm (Bahawalpur)	39.5/23.3°C (Faisalabad) 39.57/26.00°C (Farooqabad) 38.82/23.92°C (Khanewal) 38.9/23.9°C (Karor, Layyah) 42.0/25.0°C (Bahawalpur)	<ul style="list-style-type: none"> ● Irrigate the crop as per the need ● Use appropriate insecticide for the control of root borer ● Apply urea to the spring planted crop ● Give due attention to the area wise recommended varieties for sowing of rice nursery ● Complete production technology can be found at http://dai.agripunjab.gov.pk/system/fil 	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
		Rice			Satisfactory				

							es/RICE%20PLAN%202021-22.pdf	(Senior Scientist) of this institute. His contact number is 0300-76 57 249.
8	Entomological Research Institute, Faisalabad	Sugarcane	Borers Complex 0-1.6% Pyrilla 0-1.55 per leaf Mealybug Nil Whitefly Nil Black bug 0-2.45	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	Crop at maturity					
		Mango	Mango Fruit Fly Nil Mango Hopper 0-1.4 nymph or adult/ branch					
		Citrus	Fruit Fly 0-3.7 % Psylla0-1.95 per Leafminer 0-4.2% Black Fly 0-1.7 per leaf					
		Guava	Fruit Fly 0-6.7% infestation 0.17/trap/week Fruit Borer 0-0.48 %					
		Vegetables	Brinjal fruit borer 0-5.9% Thrips Below ETL Mites Above ETL Armyworm In patches Cucurbit sucking insects Below ETL					

				Fruit Fly 0-5.8% Jassid 0-0.65 per leaf					
		Rice		Plant Hopper Nil					
		Maize		Stem borer Nil					
9	Fodder Research Institute, Sargodha	Rabi Fodder		Infestation of Cucuta was observed in Berseem and Lucerne crops.	Good			<ul style="list-style-type: none"> ● Irrigation should be applied to karif crops. If required ● Pest control measures must be taken according to the recommendations of agriculture department 	
10	Citrus Research Institute, Sargodha	Citrus		<p>Plant Pathology Division Some symptoms of drying of leaves were observed on oranges and Shamber varieties due to harsh weather. Symptoms of Citrus canker were observed on the new flush of citrus nursery.</p> <p>Entomology Division Infestation due to citrus leaf miner and lemon</p>	Satisfactory			<ul style="list-style-type: none"> ● Hand pick the larvae of lemon butterfly ● Apply spray of leufenuron @ 2ml/lit water in nursery to control leaf miner and lemon butterfly ● Install methyl eugenol pheromone traps in the orchards at the rate of 5/acre ● Spray of copper based fungicide like copper hydroxide @ 2.5 gm/ liter of water for citrus canker and 	

				butterfly was observed at minor level. Fruit fly population is also showing increasing trend.				Azoxystrobin @ 1 ml/lit of water for fungal diseases is recommended where fruit has been harvested <ul style="list-style-type: none"> ● Application of metalaxyl + mancozeb for the root borne diseases of citrus @ 2 kg/ acre is recommended. 	
11	PPRI, Faisalabad	Spinich		Stemphylium blightUpto 13%	Satisfactory			Spray the crop after cutting with: <ul style="list-style-type: none"> ● Topsin-M @2gm/liter of water ● Cytrol @ 2gm/liter of water 	
		Berseem		Stem and crown rotUpto 12%	Satisfactory			Spray the crop along with adjacent soil thoroughly with one of the following fungicides immediately after cutting the crop to save the next cutting: <ul style="list-style-type: none"> ● Amistar Top @ 2cc/liter of water ● Score @ 1cc/liter of water ● Note: Avoid over irrigation 	

		Tobacco		Downy mildew 12 %	Satisfactory			<p>Spray the crop with.</p> <ul style="list-style-type: none"> ● Ridomil Gold @ 2gm /liter of water. ● Curzate @ 3gm/liter of water. ● Aliette @ 3 gm/liter 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			<ul style="list-style-type: none"> ● Weeding should be started after three to four weeks to eradicate weeds from groundnut field ● Add gypsum @ 200kg per acre at the time of flowering. Use of gypsum can increase pod size and number of pods per plant and also contribute to increase seed quality ● Second weeding should be done at flower initiation to facilitate peg penetration for better pod formation 	Agricultural Experts should be consulted for the control of insects & diseases. Farmers can contact on Mobile phone No. 0334562212 5 (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.				<ul style="list-style-type: none"> ● Control the attack of Wooly Aphid by spraying Biphenthrine @4ml/ L of water 	Advisory services are provided to the farmers at the

								<ul style="list-style-type: none"> ● Control Termites attacks in new planted olive plants by applying Chlorpyrifos @ 7ml/L of water ● Avoid stress at fruit hardening stage 	institute as well as on the farms.
13	Arid Zone Research Institute, Bhakkar	Mungbean						<ul style="list-style-type: none"> ● Sowing of mungbean was completed ● Germination of the crop is satisfactory ● Irrigation should be applied when and on required basis keeping in view the weather forecast ● Temperature is rising delay in irrigation will be cause of yield loss 	