

# Weekly Crop Situation Report

03.07.2021 to 09.07.2021

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			<ul style="list-style-type: none"> <li>● Chemical and cultural practices of weed control should be adopted</li> <li>● Irrigate the September and Spring planted sugarcane according to crop requirement and weather forecast</li> <li>● Regularly visit the crop, if any problem about insect /pest, and disease will be solved</li> <li>● Spray of bifenthrin or lamada @ 250-400ml respectively should be sprayed in case of attack of black bugs especially on ratoon crop</li> <li>● Apply 30% more fertilizer to the ratoon crop</li> <li>● Apply Urea fertilizer to the</li> </ul>	Frequent feedback received from the farmers

							spring planted crop of sugarcane <ul style="list-style-type: none"> <li>● Use recommended insecticide to control borer etc attack to the crop</li> <li>● Use Chloripyriphose @ 1.5 L/acre to control sugarcane pyrilla</li> <li>● Rouge out diseased/ smut plants from the field ratoon crop</li> </ul>	
2	Vegetable Research Institute, Faisalabad	Spinach		Leaf Blight, Aphid and Jassid	Satisfactory		<ul style="list-style-type: none"> <li>● Judicious use of fertilizers for better seed production as well as better production of fresh crop</li> <li>● Irrigate the field as per atmospheric condition for better fresh production</li> <li>● Spray against insects, pests and diseases</li> <li>● Save the crop from frost in growing area</li> <li>● Weeds must be eradicated to minimize plant weed competition</li> </ul>	The crop is at seed setting stage hence the fresh crop production is decreasing in yield and quality.
		Tomato		Aphid Jassid, Blight, Grey	Satisfactory		<ul style="list-style-type: none"> <li>● Judicious use of fertilizers and</li> </ul>	High temperature

				mold.				<ul style="list-style-type: none"> <li>proper irrigation at flowering and fruit development stage</li> <li>● Spray against insect pests and diseases</li> <li>● Maintain proper irrigation at flowering and fruit development stages during high temperature days</li> <li>● Weeds must be eradicated to minimize plant weed competition</li> </ul>	spell during last week hindered the crop productivity and caused reduction in fruit bearing.
	Chilies		Aphid, Thrips and viral infestation	Satisfactory				<ul style="list-style-type: none"> <li>● Judicious use of fertilizers and proper irrigate the field</li> <li>● Remove the plastic sheet to manage high temperature effects</li> <li>● Spray against sucking insects if required</li> <li>● Keep filed weed free in both tunnels and open field</li> <li>● Maintain proper irrigation at flowering and fruit development stages during high temperature days</li> </ul>	High temperature spell during last week hindered the crop productivity and caused reduction in fruit bearing.
	Bottle gourd		Red pumpkin beetle, girding	Satisfactory				<ul style="list-style-type: none"> <li>● Judicious use of fertilizers after each</li> </ul>	High temperature

			weevil and fruit fly				<ul style="list-style-type: none"> <li>● picking</li> <li>● Keep the field weed free to remove crop plant and weed competition</li> <li>● Maintain proper irrigation at flowering and fruit development stages during high temperature days</li> </ul>	spell during last week hindered the crop productivity and caused reduction in fruit bearing.
	Okra/Lady Finger		Red pumpkin beetle, gray mold, rotening, Aphid & Fungal Diseases.	Satisfactory			<ul style="list-style-type: none"> <li>● Judicious use of fertilizers for better production</li> <li>● Fertilizer application after each picking</li> <li>● Keep the field in weed free condition</li> <li>● Irrigate the field as per climatic conditions and keep the field in wattar conditions</li> </ul>	Low production due temperature fluctuation and heat waves.
	Bitter gourd		Myrothecium, Leaf minor, Aphid, Jassid, Downy Mildew and viral diseases	Satisfactory			<ul style="list-style-type: none"> <li>● Judicious use of fertilizers for better production</li> <li>● Fertilizer application after each picking</li> <li>● Keep clean the field from weeds</li> <li>● Irrigate the crop twice in a week for reducing high temperature effects and keep the field</li> </ul>	Low production due temperature fluctuation and heat waves.

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3	Oilseed Research Institute, Faisalabad	Sesame			Satisfactory			<ul style="list-style-type: none"> <li>● Select loam or heavy loam soil for the cultivation of sesame</li> <li>● Avoid sandy and water logged soil for its cultivation</li> <li>● Prepare the soil by ploughing 2 to 3 times followed by planking</li> <li>● Get seed of approved sesame varieties from registered sale points</li> <li>● Best sowing time of sesame is from 20 June to 15 July</li> <li>● Seed rate should be 2 kg/acre</li> <li>● Add 1 bag of DAP at the time of sowing</li> <li>● Row to row distance should be 45 cm</li> </ul>	
4	Pulses Research Institute, Faisalabad	Mung	518.0 2					<p><b>Kharif Crop:</b></p> <ul style="list-style-type: none"> <li>● Prepare soil, arrange input for mung and mash and complete sowing on first monsoon rain when temperature is below 40 degrees</li> </ul>	
		Mash	11.67						

								<p><b>Spring sown Mung &amp; Mash:</b></p> <ul style="list-style-type: none"> <li>● Eradicate the weeds from fields</li> <li>● Remain vigilant against insect pest especially, white fly on mash and thrips on mung at this stage. In this case farmers should spray suitable recommended pesticide</li> <li>● Manage mature crop harvesting keeping in view the weather</li> <li>● In case of heavy rains arrange drainage from field</li> <li>● For mechanical harvesting apply any defoliate 6-8 days before harvesting the crop</li> </ul>	
5	Horticulture Research Institute, Faisalabad	Guava	0.139	Infestation of weeds were recorded Remove weeds by ploughing the field	Satisfactory			<ul style="list-style-type: none"> <li>● Continue regular cultural practices</li> <li>● Install pheromone traps to control fruit fly</li> <li>● Prune unwanted, dried and diseased branches</li> </ul>	
		Date Palm	0.0148	Spray chlropyriphos around the stems	Satisfactory			<ul style="list-style-type: none"> <li>● Arrange the spathes along with fronds to facilitate thinning</li> </ul>	

				which are exposed to red palm weevil and do earthen up				<ul style="list-style-type: none"> <li>● Start thinning of densely fruit bunches</li> </ul>	
		Ber	0.0135	Arrange lime and copper sulfate for stem pasting against high temperature	Satisfactory			<ul style="list-style-type: none"> <li>● Eradicate weeds from the field</li> <li>● Do hoeing around grafted plants</li> <li>● Start annual pruning of bearing plant up to 50%</li> </ul>	
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)	40.8/27.6°C (Faisalabad) 41.85/26.57 (Farooqabad) 40.47/27.57°C (Khanewal) 41.2/27.4 ° C (Karor, Layyah) 44.0/30.0°C (Bahawalpur)	<ul style="list-style-type: none"> <li>● Irrigate the crop as per the need</li> <li>● Use appropriate insecticide for the control of root borer. Apply urea to the spring planted crop</li> </ul>	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
		Rice						<ul style="list-style-type: none"> <li>● Complete production technology can be found at <a href="http://dai.agripunjab.gov.pk/system/files/RICE%20PLAN%202021-22.pdf">http://dai.agripunjab.gov.pk/system/files/RICE%20PLAN%202021-22.pdf</a>. Transplant only the healthy nursery of proper age</li> </ul>	
		Cotton						<ul style="list-style-type: none"> <li>● Irrigate the crop as per the need</li> <li>● Use appropriate insecticide for the control of sucking insect (Jassid and</li> </ul>	

							Thrips) Apply urea to the crop in split dose	249. 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.
7	Entomological Research Institute, Faisalabad	Sugarcane	Borers Complex 0-1.95% Pyrilla 0-1.75 per leaf Mealybug Nil Whitefly Nil Black bug 0-2.45	Fruit borer and fruit fly are present on guava			<ul style="list-style-type: none"> <li>● Creating awareness among farmers about major insect pests problem and suggested integrated approach for controlling insect pests</li> </ul>	
		Wheat	Crop harvested					
		Mango	Mango Fruit Fly Nil Mango Hopper 0-1.7 nymph or adult/ branch					
		Citrus	Fruit Fly 0-4.15 % Psylla 0-2.15 per Leafminer 0-4.55%					

				Black Fly 0-1.90 per leaf					
		Guava		Fruit Fly 0-6.95% infestation 0.18/trap/week Fruit Borer 0-0.41 %					
		Vegetables		Brinjal fruit borer 0-6.3% Thrips Below ETL Mites Above ETL Armyworm In patches Cucurbit sucking insects Below ETL Fruit Fly 0-6.0% Jassid 0-0.8 per leaf					
		Rice		Plant Hopper Nil					
		Maize		Stem borer Nil					
8	Fodder Research Institute, Sargodha	Rabi Fodder			Good			<ul style="list-style-type: none"> <li>• Preparation for kharif fodder seed crops may be completed</li> <li>• Karif fodders seed may also be treated with fungicide before sowing</li> </ul>	
9	Mango Research Institute, Multan	Mango	0.264	The problem of fruit fly infestation still persisted in the orchard where sanitation was	Satisfactory			<ul style="list-style-type: none"> <li>• Pruning of tree followed by application of fertilizers was suggested in the orchards where</li> </ul>	Wise use of irrigation and measures to ensure quality of mango was

				not maintained and harvesting delayed.				harvesting of early varieties have been completed	also communicated.
10	Citrus Research Institute, Sargodha	Citrus		<p><b>Plant Pathology Division</b> 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.</p> <p><b>Entomology Division</b> Minor infestation of Cottony Cushion Scale and Lemon butterfly was observed in citrus orchards and nursery plantations. Moreover, fruit fly activity was also observed.</p>	Satisfactory			<ul style="list-style-type: none"> <li>● Regular pest monitoring should be done</li> <li>● Apply Imidacloprid + Bifenthrin for the control of all pests @ 2.5 ml/ liter of water</li> <li>● Install methyl eugenol pheromone traps in the orchards at the rate of 5/acre for the monitoring of fruit fly population</li> <li>● Application of metalaxyl + mancozeb @ 2 kg/ acre along with thiophenate methyl @ 800 gm / acre for the root borne diseases of citrus is recommended</li> <li>● 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</li> </ul>	

								where fruit has been harvested	
11	PPRI, Faisalabad	Cotton		CLCuV Traces	Satisfactory			<ul style="list-style-type: none"> <li>● Keep a close check on crop daily</li> </ul>	
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"> <li>● 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</li> <li>● Second weeding should be done at the time of flowering to eradicate weeds and facilitate peg penetration for better pod formation</li> </ul>	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"> <li>● Irrigate new planted olive plants by applying to avoid heat stress</li> <li>● Avoid stress at fruit hardening stage</li> </ul>	Advisory services are provided to the farmers at the institute as well as on the farms.
13	Arid Zone Research Institute, Bhakkar	Mungbean						<ul style="list-style-type: none"> <li>● Heat wave will adversely affect the flowering at Mungbean crop and</li> </ul>	

								<p>will cause of the flower shedding</p> <ul style="list-style-type: none"><li>● During 1st and 2nd flowering period irrigation delay will be cause of flower shedding and yield losses</li><li>● Recommended dose of insecticide should be sprayed for the effective control of thrips, white fly an American during flowering and pod formation period</li><li>● Irrigation should be applied by keeping the weather forecast</li></ul>	
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