# Weekly Crop Situation Report

## 12.03.2022 to 18.03.2022

| 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. | Normal | | | ● Chemical and cultural practices of weed control should be adopted<br>● Irrigate the September planted sugarcane according to crop requirement and weather forecast<br>● Stop irrigation one month before harvesting<br>● Harvest the crop at ground level/one inch below to avoid Larvae attack<br>● Cover the harvested crop and supply it to Sugar Mills as early as possible to minimize the staling losses<br>● Spray of bifenthirn or lamada @ 250-400ml respectively should be sprayed in case of attack of black | Frequent feedback received from the farmers |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | bugs especially on ratoon crop<br>● Use recommended insecticide to control borer etc attack to the crop<br>● Use Chloripyriphose @ 1.5 L/acre to control sugarcane pyrilla<br>● Use Zinc Phosphide as bait to check rodents attack in lodged crop<br>● Complete the sugarcane spring plantation | |
| 2 | Vegetable Research Institute, Faisalabad | Spinach | | Leaf Blight & Army worm | Satisfactory | | | ● Judicious use of fertilizers for better production of fresh crop<br>● Irrigate the field as per atmospheric conditions<br>● Spray against insects, pests and diseases<br>● Weeds must be eradicated to minimize plant weed competition | |
| | | Radish | | Medium | Satisfactory | | | ● Complete radish steckling for better seed production<br>● Adopt recommended seed | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | production technology<br>● Proper utilization of fertilizers to better production<br>● Spray against insects and pests<br>● Spray against pre and post emergence weeds | |
| | | Turnip | | Medium | Satisfactory | | | ● Complete turnip steckling for better seed production<br>● Adopt recommended seed production technology<br>● Proper utilization of fertilizers to better production<br>● Spray against insects and pests<br>● Spray against pre and post emergence weeds | |
| | | Cauliflower | | Medium to high | Satisfactory | | | ● Proper utilization of fertilizers to better production<br>● Spray against insects and pests<br>● Spray against pre and post emergence weeds<br>● Adopt recommended seed | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | production technology<br>● Application of phosphorous fertilizer essential for better growth and development at head formation stage | |
| | | Cabbage | | Medium to high | Satisfactory | | | ● Proper utilization of fertilizers to better production<br>● Spray against insects and pests<br>● Spray against pre and post emergence weeds<br>● Adopt recommended seed production technology<br>● Application of phosphorous fertilizer essential for better growth and development at head formation stage | |
| | | Carrot | | | Satisfactory | | | ● Balance use of fertilizers for good production<br>● Complete radish steckling for better seed production<br>● Adopt recommended seed | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | production technology<br>● Spray against pre emergence as well as post emergence weeds | |
| | | Coriander | | Cutworm, Jassid and White fly | Satisfactory | | | ● Judicious use of fertilizers for better crop growth and development<br>● Complete thinning of the off type plants in crop sowing<br>● Complete the sowing of crop with no more delay<br>● Keep the field weed free<br>● Spray against pests and diseases if any | |
| | | Peas | | Medium to high | | | | ● Judicious use of fertilizers<br>● Spray for eradication of weeds and disease pathogens<br>● Irrigation in accordance with the climatic conditions | |
| 3 | Oilseed Research Institute, Faisalabad | Brassica | | Pests: Nil<br>Disease: Nil<br>Weeds: Nil | Satisfactory | | | ● Third irrigation should be provided at seed formation stage<br>● Spray Carbosulfan @ 500ml/acre to | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | control Mustard Aphid population<br>● Spray Lambda cyhalothrin @ 330 ml/acre to control caterpillars of Cabbage Butterfly<br>● Don't spray 15 days before harvesting.<br>● Harvesting should be done when 50-60% siliques turn brown<br>● Produce should be sun-dried until its moisture is 8-10% and then proper storage should be done | |
| | | Linseed | | | Satisfactory | | | ● Second irrigation should be applied at flowering<br>● Third irrigation should be applied at pod formation<br>● Spray Carbosulfan @ 500ml/acre to control Mustard Aphid population if crop is planted near Brassica crops | |
| | | Sunflower | | | Satisfactory | | | ● First irrigation should be provided 20 days after germination along with half bag Urea | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | ● Second irrigation should be provided after 20 days of first irrigation along with 1 bag Urea | |
| | | | | | | | | | |
| 4 | Entomological Research Institute, Faisalabad | Sugarcane | | Borers Complex 0-0.7%<br>Pyrilla 0-0.2 per leaf<br>Mealybug Nil<br>Whitefly Nil<br>Black bug 0-0.25 | 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 | | Crop terminated | | | | | |
| | | Wheat | | Crop sown | | | | | |
| | | Mango | | Mango Fruit Fly Nil<br>Mango Hopper 0-0.25 nymph or adult/ branch | | | | | |
| | | Citrus | | Fruit Fly 0-2.9 %<br>Psylla0-0.55 per Leafminer 0-1.75%<br>Black Fly 0-0.25 per leaf | | | | | |
| | | Guava | | Fruit Fly 0-5.6% infestation 0-7/trap/week<br>Fruit Borer 0-0.3 % | | | | | |
| | | Vegetables | | Brinjal fruit borer 0-4.55% | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Thrips<br>Below ETL<br>Mites<br>Above ETL<br>Armyworm<br>In patches<br>Cucurbit sucking insects<br>Below ETL<br>Fruit Fly<br>0-4.75%<br>Jassid<br>0-0.10 per leaf | | | | | |
| | | Rice | | Plant Hopper<br>Nil | | | | | |
| | | Maize | | Stem borer<br>Nil | | | | | |
| 5 | Agronomic Research Institute, Faisalabad | Sugarcane | | | Satisfactory | 0.0 mm (Faisalabad)<br>0.0 mm (Farooqabad, S.Pura)<br>0.0 mm (Khanewal)<br>0.0 mm (Karor, Layyah)<br>0.0 mm (Bahawalpur) | 34.6 /18.3°C (Faisalabad)<br>32.85/16.14°C (Farooqabad)<br>35.0/16.0˚C (Khanewal)<br>18.1/34.1˚C (Karor, Layyah)<br>41.00/18.0°C (Bahawalpur) | Irrigate the crop as per the need. Use appropriate insecticide for the control of root borer | 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. |
| | | Wheat | | | | | | ● Irrigate the wheat crop according to the weather condition so that crops may not lodge<br>● Complete production plan can be assessed at http://dai.agripunjab.gov.pk/ | Fertilizer management should be based on soil fertility status and irrigation of crops should be based on weather forecast. Apply suitable fungicide in case of rust attack. |
| 6 | Fodder Research Institute, Sargodha | Rabi Fodder | | Attack of Alfalfa aphid and Alfalfa weevil was observed in Lucerne crop. | Good | | | ● If attack of alfalfa weevil is observed in Alfalfa immediately take the fodder cut | Farmers should be vigilant about the moisture condition in the soil. As a sudden rise in temperature is being observed. |
| 7 | Citrus Research Institute, Sargodha | Citrus | | **Plant Pathology Division**<br>Some symptoms of gummosis were observed | Satisfactory | | | ● Hand picking of lemon butterfly larvae should be done | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | on the stem of citrus plants.<br>**<u>Entomology Division</u>**<br>Infestation of citrus psylla, aphid, leafminer and lemon butterfly was observed in the citrus orchard<br>**<u>Weeds Condition</u>**<br>Weeding practice was done where necessary. | | | | ● For citrus psylla and leafminer apply spray of Novastar @ 2.5 ml per litre of water<br>● Stem pasting along with matalaxyl + Mancozeb is recommended for gummosis | |
| 8 | PPRI, Faisalabad | Berseem & Lusern | | Crown & Stem rot 11 %<br>White mold 08% | | | | ● spray the crop along with adjacent soil thoroughly with one of the following fungicides immediately after cutting the crop to save the next cutting:<br>● Amistar Top @ 2cc/liter of water<br>● Score @ 1cc/liter of water<br>● Avoid over irrigation | |
| | | Spinach | | Stemphylium blight<br>Upto 09% | | | | ● spray the crop after cutting with:<br>● Topsin-M @2gm/liter of water | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | ● Cytrol @ 2gm/liter of water | |
| | | Cauliflower | | Bacterial Soft rot Upto 03% | | | | ● Spray the crop with one of the following fungicides<br>● Bordexure mixture (4:4:50)<br>● Thrill @ 3g/liter of water<br>● Kocide @ 3gm/liter of water | |
| 9 | BARI, Chakwal | Groundnut | | 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 | | | ● Start land preparation and seed for sowing of crop in coming season<br>● Select sandy soil to grow groundnut for better yield. Tillage practices should perform three to four time prior to sowing the crop<br>● Deep ploughing should be done as first tillage so that maximum rain water may be preserved in the soil. Add 3 $\frac{1}{2}$ bag of SSP, $\frac{1}{2}$ bag of Urea and 1 bag of SOP. Cultivate the land with cultivator | 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. |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | and planker after adding the fertilizer | |
| | | Olive | | No serious attack of insects or diseases | 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. |