

# Weekly Crop Situation Report

04.02.2023 to 10.02.2023

| 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 | 938 (000) ha (2 <sup>nd</sup> estimate, Crop reporting services 2021-22) | Stem borer, Whip Smut in plant crop and Weed infestation in neglected fields. | Normal                    |             |         | <ul style="list-style-type: none"> <li>● Prepare the land for Spring sowing of sugarcane</li> <li>● Irrigate the Autumn planted sugarcane according to crop requirement and weather forecast</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>● 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>● Use Zinc Phosphide as bait to check rodents attack in lodged crop</li> <li>● Stop irrigation one month before harvesting</li> </ul> | Frequent feedback received from the farmers |

|   |  |         |  |                         |              |  |  |  |  |
|---|--|---------|--|-------------------------|--------------|--|--|--|--|
|   |  |         |  |                         |              |  |  | <ul style="list-style-type: none"> <li>● Harvest the crop at ground level/one inch below to avoid Larvae attack</li> <li>● Cover the harvested crop and supply it to Sugar Mills as early as possible to minimize the staling losses</li> </ul>  |  |
| 2 | Vegetable Research Institute, Faisalabad | Spinach |  | Leaf Blight & Army worm | Satisfactory |  |  | <ul style="list-style-type: none"> <li>● Judicious use of fertilizers for better production of fresh crop</li> <li>● Irrigate the field as per atmospheric conditions</li> <li>● Spray against insects, pests and diseases</li> <li>● Weeds must be eradicated to minimize plant weed competition</li> </ul> |  |
|   |  | Carrot  |  |                         | Satisfactory |  |  | <ul style="list-style-type: none"> <li>● Balance use of fertilizers during seedbed preparation</li> <li>● Complete radish steckling for better seed production</li> <li>● Adopt recommended seed production technology</li> <li>● Proper irrigation to save the crop from frost effects</li> </ul>           |  |

|  |  |             |  |                |              |  |  |  |  |
|--|--|-------------|--|----------------|--------------|--|--|--|--|
|  |  |             |  |                |              |  |  | <ul style="list-style-type: none"> <li>● Spray against pre emergence as well as post emergence weeds</li> </ul>  |  |
|  |  | Cabbage     |  | Medium to high | Satisfactory |  |  | <ul style="list-style-type: none"> <li>● Meticulous seed bed preparation</li> <li>● Proper utilization of fertilizers to better production</li> <li>● Proper roughing of off type plants for better seed production</li> <li>● Spray against insects and pests</li> <li>● Spray against pre and post emergence weeds</li> <li>● Proper irrigation to save the crop from frost effects</li> </ul> |  |
|  |  | Cauliflower |  | Medium to high | Satisfactory |  |  | <ul style="list-style-type: none"> <li>● Efficient seed bed preparation</li> <li>● Proper utilization of fertilizers to better production</li> <li>● Proper roughing of off type plants for better seed production</li> <li>● Spray against insects and pests</li> <li>● Spray against pre and post emergence weeds</li> </ul>   |  |

|   |  |           |  |  |              |  |  |  |  |
|---|--|-----------|--|--|--------------|--|--|--|--|
|   |  |           |  |  |              |  |  | <ul style="list-style-type: none"> <li>• Proper irrigation to save the crop from frost effects</li> </ul>  |  |
| 3 | Oilseed Research Institute, Faisalabad | Sunflower |  | Pests: Nil<br>Disease: Nil<br>Weeds: Nil | Satisfactory |  |  | <ul style="list-style-type: none"> <li>• Prepare land by using 2-3 times ploughing followed by two planking</li> <li>• Sowing should be completed as soon as possible starting from 1st December as sunflower crop sown in first week of December escapes the infestation of head moth. However, it can be sown up to the end of January in Southern Punjab, up to 15 February in Central Punjab</li> <li>• Sowing time for Northern Punjab is 01-29 February</li> <li>• Seed should be sown at depth of 1.5 inch</li> <li>• Give 1 bag of DAP and 1 bag of SOP at the time of land preparation</li> <li>• First irrigation should be provided 20 days after germination along with half bag Urea</li> </ul> |  |

|   |   |           |            |  |              |  |  |  |  |
|---|---|-----------|------------|--|--------------|--|--|--|--|
|   |   |           |            |  |              |  |  | <ul style="list-style-type: none"> <li>● Remove excessive plants when plants are at 4-leaf stage and maintain distance 9 inches between plants</li> <li>● Second irrigation should be provided after 20 days of first irrigation</li> </ul>  |  |
|   |   | Brassica  |            | Pests: Nil<br>Disease: Nil<br>Weeds: Nil |              |  |  | <ul style="list-style-type: none"> <li>● Second irrigation should be provided at flowering</li> <li>● Sulphur @ 6-8/Kg/acre should be provided at the time of flowering</li> <li>● Apply Sulphur @ 6 Kg/acre with irrigation at flowering for significant increase in yield</li> </ul> |  |
| 4 | Horticulture Research Institute, Faisalabad | Guava     | 0.129      | Infestation of weeds were recorded       | Satisfactory |  |  | <ul style="list-style-type: none"> <li>● Orchard sanitation i.e. collection and disposal of drop/damage fruit to control fruit fly</li> </ul>  |  |
|   |   | Date Palm | 0.014<br>7 | Attack of termites, scales               | Satisfactory |  |  | <ul style="list-style-type: none"> <li>● Earthing up around stems of 2-5 years old plant</li> <li>● Protect newly planted suckers from termites, scales and root rot</li> </ul>  |  |

|   |  |               |            |                                    |        |   |   |  |  |
|---|--|---------------|------------|------------------------------------|--------|---|---|--|--|
|   |  | Ber           | 0.013<br>5 | Infestation of weeds was observed. |        |   |   | <ul style="list-style-type: none"> <li>● To save from frost, apply light irrigation to Ber plants</li> </ul>   |  |
| 5 | Agronomic Research Institute, Faisalabad | Sugarcane     |            |                                    | Normal | 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 ) | 25.4/9.2 °C (Faisalabad)<br>24.14°C/11.85°C (Farooqabad)<br>24.8/7.45°C (Khanewal)<br>22.3/6.7 °C (Karor, Layyah)<br>22.0/7.0 °C (Bahawalpur) | <ul style="list-style-type: none"> <li>● Harvest lodged and damaged crop first</li> <li>● Stop irrigation about 20-25 days before harvesting. Harvest crop at 2-3 cm height from surface. Irrigation keeping in view of weather conditions and to avoid frost stress. Apply irrigation to ratoon crop with nitrogenous fertilizer to initiate sprouting</li> <li>● Use recommended varieties for spring maize and sowing</li> <li>● Regular pest scouting. The temperature is rising so there is possibility of aphid attack. So apply suitable insecticide for control of aphid. Frost affected pollination and seed setting in brassica</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 57 249. Harvesting and threshing is in progress. Avoid burning of wheat straw to overcome smog problem. Store wheat crop at moisture level less than 10%. |
|   |  | Maize         |            |                                    |        |   |   |  |  |
|   |  | Canola & raya |            |                                    | Normal |   |   |  |  |

|   |  |           |  |   |  |  |  |  |
|---|--|-----------|--|---|--|--|--|--|
|   |  |           |  |   |  |  |  | Check weather forecast before harvesting/threshing of wheat.<br>Co-ordination with extension staff.  |
| 6 | Entomological Research Institute, Faisalabad | Sugarcane |  | Borers Complex<br>00-0.70%<br>Pyrilla 00-.65 per leaf<br>Mealybug Nil<br>Whitefly Nil<br>Black bug<br>00-0-0.10           | In the current situation, 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> |
|   |  | Cotton    |  | Whitefly<br>Thrips<br>Jassid<br>American Bollworm<br>Pink Bollworm<br>Dusky Cotton Bug<br>Crop terminated                 |  |  |  |  |
|   |  | Mango     |  | Nil<br>00-0.20 nymph or adult/ branch   |  |  |  |  |
|   |  | Citrus    |  | Fruit Fly<br>0-2.80 % infestation<br>Psylla<br>00-0.15 per leaf<br>Leaf miner<br>00-1.90 %<br>Black Fly<br>0-0.20per leaf |  |  |  |  |
|   |  | Guava     |  | Fruit Fly<br>00-5.50 % infestation<br>00-05/trap/week<br>0-0..25 %  |  |  |  |  |

|   |                                     |            |                   |   |              |  |  |   |  |
|---|-------------------------------------|------------|-------------------|---|--------------|--|--|---|--|
|   |                                     | Vegetables |                   | 00-4.50%<br>Below ETL<br>Below ETL<br>In patches<br>Below ETL<br>00- 4.00 %<br>00 – 0.10per leaf  |              |  |  |   |  |
|   |                                     | Rice       |                   | Nil   |              |  |  |   |  |
|   |                                     | Maize      |                   | Nil   |              |  |  |   |  |
| 7 | Fodder Research Institute, Sargodha |            |                   |   | Good         |  |  |   | <ul style="list-style-type: none"> <li>● Apply light irrigation to mitigate the effect of frost</li> </ul> |
| 8 | Citrus Research Institute, Sargodha | Citrus     | 0.45 Million Acre | <b>Plant Pathology Division</b><br><b>Entomology Division</b><br>There was not new symptoms/spread of citrus canker and melanose present on plants.<br>Dried branches were pruned<br><b>Entomology Division</b><br>Mealybug and leaf miner were observed on the citrus plants<br><b>Weeds Condition</b> | Satisfactory |  |  | <ul style="list-style-type: none"> <li>● Bordeaux pasting of pruned branches is recommended</li> <li>● For the control of citrus leaf miner Bifenthrin is recommended @ 1 ml/ liter of water. To control mealybug Profinofos is recommended @ 1 ml/ liter of water</li> </ul> |  |



|    |                  |           |      |  |              |  |  |   |   |
|----|------------------|-----------|------|--|--------------|--|--|---|---|
|    |                  |           |      | Weeding was done where needed.   |              |  |  |   |   |
| 9  | PPRI, Faisalabad | Mango     |      | Anthrachnose 6%  | Satisfactory |  |  | <ul style="list-style-type: none"> <li>● Keep vigilance and use proper fungicide where necessary</li> <li>● Use recommended fungicides where necessary</li> </ul>   |   |
| 10 | BARI, Chakwal    | Groundnut | 0.22 | During rainy season, 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>● Start land preparation and seed for sowing of crop in coming season</li> <li>● Select sandy soil to grow groundnut for better yield. Tillage practices should perform three to four time prior to sowing the crop. First tillage should be done during February. Deep ploughing should be done as first tillage so that maximum rain water may be preserved in the soil</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     |      | No serious attack of insects or diseases   | Satisfactory |  |  |   | Advisory services are provided to the farmers   |

|  |  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |  | at the<br>institute as<br>well as on<br>the farms. |
|--|--|--|--|--|--|--|--|--|--|