

**HADP Project No.: 11**  
**Name of the Project: promotion of oilseeds**  
**P.I.: Dr. Najeeb ul Rehman Sofi**

❖ **Physical**

| <b>Activity</b>        | <b>Expected outcome (2024-2025)</b>  |
|------------------------|--|
| • Digital seed counter | Obtained real time seed counting data of about 800 Samples of rice and 100 samples of oilseed. |
| • Laser leveller       | So far levelled 5 hectares land at MRCFC Khudwani  |

❖ **Human resource Development**

| <b>Activity</b>              | <b>Number</b> |  |
|------------------------------|---------------|--|
| Officials of Line Department | 02            | ✓ In 2024-25, 100 Officials of Line Department were trained for 02 days capacity building programme "Untie the yield complexities for realising the yield potential in oilseeds with special reference to rapeseed"  |
| Farmers                      | 05            | ✓ 250 farmers were trained on "Agro-Technologies in Oilseeds for Higher Yield, Quality & Resource use Efficiency". Farmers have shown great enthusiasm, their skills were upgraded in terms of modern agricultural practices in oilseed crops for improvement in production, productivity and profitability. |

❖ **Research and Development (R & D)**

| <b>Activity</b>   | <b>Expected outcome (2024-2025)</b>  |
|---|--|
| <u><b>Research activities</b></u><br>10 Research trials (6 on brown sarson, 2 on Gobhi sarson, 1 on sunflower and 1 on soyabean | Two varieties KBS-63 and KBS-100 are under final stage of testing. Shalimar Soybean 2 under seed production at DARS station.<br><br>➤ The following research trials have been successfully harvested/threshed and post harvest data recorded:<br><b>Plant Breeding:</b> <ul style="list-style-type: none"> <li>• IVT Mustard(B.juncea)</li> <li>• MLT Mustard(B.juncea)</li> </ul> |

|                       |   |
|-----------------------|---|
|                       | <ul style="list-style-type: none"> <li>• AVT Gobhi Sarson</li> <li>• IVT Gobhi Sarson</li> <li>• IVT B. rapa</li> <li>• AVT B. rapa</li> </ul> <p>➤ Conservation &amp; Evaluation of rapeseed-mustard germplasm:</p> <ol style="list-style-type: none"> <li>i. Brassica rapa : 50 genotypes</li> <li>ii. Brassica napus: 50 genotypes</li> </ol> <p><b>Agronomy:</b></p> <p>➤ Agronomic evaluation of pre-released Brassica rapa genotypes under varied levels of nitrogen for higher yield and nutrient use efficiency</p> <p><b>Entomology:</b></p> <p>➤ Evaluation of inter dependent relationship between oilseed crops and managed bees for increasing profitability through farm diversification.</p> |
| Varietal Development  | <ul style="list-style-type: none"> <li>• <b>2 new varieties of brown sarson &amp; one variety of Gobhi sarson.</b></li> <li>• <b>Package of practice for newly developed varieties completed</b></li> </ul>   |
| Cluster Demonstration | The centre successfully conducted 200 site specific demonstrations during rabi 2024-2025 in which Shalimar Sarson 2 (SS2) was demonstrated in comparison to farmers varieties/ old varieties. The results revealed that SS2 recorded a high yield potential ranging from 13-17 q/ha in comparison to 10.5-14.0 q/ha recorded by old / farmers varieties. The farmers have shown great interest in SS2 and are replacing their traditional/old varieties with SS2 in future. This will greatly increase the Seed replacement and varietal replacement rate in oilseed, thereby increasing production & productivity of the crop.   |

#### ❖ Seed Production

| Activity                | Expected outcome (2024-2025)   |
|-------------------------|--|
| Quality Seed Production | <ul style="list-style-type: none"> <li>• <b>03.0q Breeder Seed of Shalimar Sarson-2</b></li> <li>• <b>30.0 q Foundation seed of Shalimar Sarson-2</b></li> </ul> |

#### ❖ Mechanization and Automation

| Activity                   | Expected outcome (2024-2025)  |
|----------------------------|-------------------------------|
| • Mustard oil filter press | Fully functional filter press |

❖ **Varieties Released**

|               |  |
|---------------|--|
| <b>KBS-63</b> | KBS-63 along with package of practices will be released as new brown sarson variety in the forthcoming UVRC and within couple of years all the older varieties will be replaced. |
|---------------|--|

❖ **Financial (lakhs) (2024-2025)**

| <b>Allotted</b> | <b>Released</b> | <b>Expenditure</b> | <b>%utilization</b> |
|-----------------|-----------------|--------------------|---------------------|
| 27.2Lakhs       | 27.2 Lakhs      | 27.2 Lakhs         | 100%                |

❖ **Others**

Till now 50q oil has been extracted from which local growers got benefitted. Recently Honourable LG,UT of J & K inaugurated Shalimar Sarson brand





