

**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>
<b><u>Research activities</u></b>  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.  ➤ The following research trials have been successfully harvested/threshed and post harvest data recorded: <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.
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❖ **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





