

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

❖ **Physical**

Activity	Expected outcome (2024-2025)
• 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**

Activity	Number	
Officials of Line Department	02	<ul style="list-style-type: none"> ✓ 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" ✓ 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.
Farmers	05	

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

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

	<ul style="list-style-type: none"> • AVT Gobhi Sarson • IVT Gobhi Sarson • IVT B. rapa • AVT B. rapa <p>➤ Conservation & Evaluation of rapeseed-mustard germplasm:</p> <ol style="list-style-type: none"> i. Brassica rapa : 50 genotypes ii. Brassica napus: 50 genotypes <p>Agronomy:</p> <p>➤ Agronomic evaluation of pre-released Brassica rapa genotypes under varied levels of nitrogen for higher yield and nutrient use efficiency</p> <p>Entomology:</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"> • 2 new varieties of brown sarson & one variety of Gobhi sarson. • Package of practice for newly developed varieties completed
Cluster Demonstration	<p>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.</p>

❖ **Seed Production**

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

❖ **Mechanization and Automation**

Activity	Expected outcome (2024-2025)
<ul style="list-style-type: none"> • Mustard oil filter press 	Fully functional filter press

❖ **Varieties Released**

KBS-63	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)**

<u>Allotted</u>	<u>Released</u>	<u>Expenditure</u>	<u>%utilization</u>
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





