

# Action Plan for Front Line Demonstrations (Regarding **Oilseed** crops other than CFLD)

Crop	Season	Purpose of demonstration	Farming situation	Variety	Area (ha)	No. of demonstrations	Critical Inputs Identified	Cost of critical inputs (Rs)	Parameters of observation
Oilseed									
Soybean	Kharif-24	Introduction of New Variety	Irrigated	NRC 37/ KDS 344  Devgadhbariya, AAU.Anand 2017 (Endorsed)	10	25	Seed (25 kg/Acre) Variety-NRC 37 Seed Treatment (Trichoderma viride @ 10 gm/kg seed)	50000/-	<ul style="list-style-type: none"> <li>• Maturity days</li> <li>• No. of pods per plant</li> <li>• Test weight of Grain</li> </ul>
Sesame	Summer-24	ICM	Irrigated	Variety-G Til 5/3 JAU, Junagadh 2012,2015	10	25	Seed (3 kg/ha) Variety-GT 5/3	11500/-	Yield of Variety and BCR

# Action Plan for Front Line Demonstrations

## (Regarding **Pulses** crops other than CFLD)

Crop	Season	Purpose of demonstration	Farming situation	Variety	Area (ha)	No. of demonstrations	Critical Inputs Identified	Cost of critical inputs (Rs)	Parameters of observation
Pulses									
Green-gram	Summer-25	Introduction of New Variety	Irrigated	GM- 6 (NAU, Navsari 2018)	10	25	GM -6 Seed (8 kg)	Rs.30000/-	<ul style="list-style-type: none"> <li>• Yield of Variety</li> <li>• Disease index for MYMV</li> <li>• No. of effective pods</li> <li>• Maturity days</li> <li>• Sucking pest infestation</li> </ul>
Pigeon-pea	Kharif-24	Introduction of New Variety	Irrigated	GJP 1 JAU, Junagadh (2015)/ GT-106	10	25	GJP 1 Seed (6 kg)	Rs.15000/-	<ul style="list-style-type: none"> <li>• Yield of Variety</li> <li>• No. of seed per pods</li> <li>• Maturity days</li> <li>• No. of branch per plant</li> <li>• Sucking pest and pod borer infestation</li> </ul>

# Action Plan for Front Line Demonstrations

## (Regarding **Pulses** crops other than CFLD)

Crop	Season	Purpose of demonstration	Farming situation	Variety	Area (ha)	No. of demonstrations	Critical Inputs Identified	Cost of critical inputs (Rs)	Parameters of observation
Pulses									
Gram	Rabi-24	Introduction of New Variety	Irrigated	GG-5 JAU-Junagadh (2017)	4	10	GG-5 Seed (25 kg)	Rs.40000/-	<ul style="list-style-type: none"> <li>Yield of Variety</li> <li>Maturity days</li> <li>No. of branch per plant</li> <li>Sucking pest and pod borer infestation</li> </ul>
Black gram	Summer -25	Introduction of New Variety	Irrigated	Shyamal	5	10	Shyamal seed Seed (8 kg)	Rs.26000/-	<ul style="list-style-type: none"> <li>Yield of Variety</li> <li>Maturity days</li> <li>No. of branch per plant</li> <li>Sucking pest and pod borer infestation</li> </ul>

# Action Plan for Front Line Demonstrations (Regarding **Cereals** crops other than CFLD)

Crop	Season	Purpose of demonstration	Farming situation	Variety	Area (ha)	No. of demonstrations	Critical Inputs Identified	Cost of critical inputs (Rs)	Parameters of observation
Cereals									
Paddy	Kharif-24	Introduction of New Variety	Irrigated	GR-21 (AAU, Anand-21)	8	20	Seed 10 kg Micro Nutri. (10kg)	Rs.33000/-	Yield & BCR Maturity Days No.of Penicals
Maize IPM	Rabi-24	Management of falls army worm  AAU,Anand & Ministry of Agri. And Farmers welfare, New Delhi (2019)	Irrigated	Pvt.Hyb	8	20	Installation of <b>pheromone traps</b> @ 5/Acre. <b>Poison baiting:</b> Keep the mixture of 25 kg rice bran + 5 kg jaggary for 24 hours to ferment. Add <b>250 g Thiodicarb 75 WP</b> just half an hour before application in the field and applied into the whorl of the plants when crop stage 25-30 DAS <u>OR</u> Spray <b>Emamectin benzoate 5 SG</b> 5 gm <u>OR</u> <b>Chlorantraniliprole 18.5 SC</b> 3 ml <u>OR</u> Spray of <b>Metarhizium anisopliae</b> 40 gm in 10 ltr of water at starting from the pest infestation.	Rs.20000/-	<ul style="list-style-type: none"> <li>Pest population and cost of control measures.</li> </ul>

# Action Plan for Front Line Demonstrations

## (Regarding **Other** crops other than CFLD)

Crop	Season	Purpose of demonstration	Farming situation	Variety	Area (ha)	No. of demonstrations	Critical Inputs Identified	Cost of critical inputs (Rs)	Parameters of observation
Cotton	Kharif-24	Varietal (JAU, Junagadh Year of release 2020)	Irrigated	GCH-24 BG II	10.0	25	GCH-24 BG II (400 gm) Micro Nutrient (10 kg/acre)	Rs.23000/-	Productivity, Quality & Cost of Production
Cotton IPM	Kharif-24	Management of Pink boll worm AAU, Anand (2017)	Irrigated	Pvt.Hy. (Bt)	8.0	20	<i>Use Pheromone trap with Pectino lure(40 no./ha) Alternate spray of Pesticide Emamectin benzoate 5 SG @ 5 gm/10 lit. of water OR Indoxacarb 15.8 EC 5 ml/10 lit of water at 15 days interval starting from the pest infestation to manage pink boll worm.</i>	Rs.23500/-	Pest population and cost of control measures.
Cotton IPM	Kharif-24	Management of Sucking pest in Cotton AAU, Anand (2017)	Irrigated	Pvt.Hy. (Bt)	8.0	20	<i>Use <b>solar yellow sticky trap</b> @ 1/Acre Alternate spray of <b>Beauveria bassiana</b> (40 gms/10 lit. of water) and <b>Thiamethoxam 25 WG 0.01%</b> @ (4 g/10 lit. of water) at 15 day interval starting from the pest infestation</i>	Rs.20000/-	Pest population and cost of control measures.

# Action Plan for Front Line Demonstrations

## (Regarding **Other** crops other than CFLD)

Crop	Season	Purpose of demonstration	Farming situation	Variety	Area (ha)	No. of demonstrations	Critical Inputs Identified	Cost of critical inputs (Rs)	Parameters of observation
Cotton IPM	Kharif-24	Management of Leaf spot and wilt disease in Cotton JAU,Junagadh & AAU,Anand (2021)	Irrigated	Pvt.Hy. (Bt)	8.0	20	<ol style="list-style-type: none"> <li>Alternate spray of <b>(Fluxapyroxad 167 gm/ltr + Pyraclostrobin 333 gm/ltr) + Steptocyclin</b> (7.5g + 0.75g/10 lit. of water) at 20 day interval starting from the disease infestation.</li> <li>Seed treatment of <b>Trichoderma harzianum</b> at sowing time. Drenching of <b>carbendazim 0.2% OR copper oxy chloride 0.3%</b> (60 gm/10 lit. of water) at the time of disease infestation started.</li> </ol>	Rs.24000/-	<ul style="list-style-type: none"> <li>➤Leaf spot and wilt disease percentage at 30,60 and 90 days after sowing</li> <li>➤Yield Of Crop</li> <li>➤Cost Of Cultivation</li> <li>➤Benefit Cost Ratio</li> </ul>

# Action Plan for Front Line Demonstrations

## (Regarding **Other** crops other than CFLD)

Crop	Season	Purpose of demonstration	Farming situation	Variety	Area (ha)	No. of demonstrations	Critical Inputs Identified	Cost of critical inputs (Rs)	Parameters of observation
Vermi Composting	-	-	—	-	12	12	Vermi bed + Earthworm 2kg/ Farmers	24000/-	Secondary income from vermi compost.
Natural Farming in Wheat	Rabi-24	-	—	-	5	20	-	-	Cost of Cultivation BCR

# Action Plan for Front Line Demonstrations

## (Regarding **Horticulture** crops other than CFLD)

Crop	Season	Purpose of demonstration	Farming situation	Variety	Area (ha)	No. of demonstrations	Critical Inputs Identified	Cost of critical inputs (Rs)	Parameters of observation
Banana	Kharif-24	INM	Irrigated	Banana Special Fertilizer (IIHR, Bengaluru)	5.0	20	Banana Special Fertilizer (2kg/ <i>demo</i> )	Rs.12000/-	Productivity
Tomato	Kharif-24	NF	Irrigated	NF Component	2.0	10	Hyb. Seedling + NF Component	Rs.35000/-	Productivity BCR
Tomato	Kharif-24	INM	Irrigated	NPK Consortium Micr,Nutri-G-4	5.0	20	NPK Consortium Micr.Nut.G-4	Rs.25000/-	Productivity & cost of prod.
Marigold	Kharif-24	Varietal	Irrigated	Pusa bahar (IARI,Delhi-2015)	2.0	10	Seedling of Pusa bahar (1500/demo)	Rs.15000/-	Productivity & cost of prod.
Banana+ Cabbage	Kharif-24	Intercropping	Irrigated	Pvt.Co.F1 Var.	5.0	12	Inter Cropping with Cabbage(1:4)	Rs.40000/-	Pest population and cost of control measures.



# Action Plan for Cluster Front Line Demonstrations

## (Oilseeds)

Crop	Season	Purpose of demonstration	Farming situation	Variety	Area (ha)	No. of demonstrations	Critical Inputs Identified	Cost of critical inputs (Rs)	Parameters of observation
Oilseed									
Soybean	Kharif-24	Introduction of New Variety	Irrigated	KDS-726/ NRC 37	10	25	Seed (25 kg/Acre) Variety- KDS-726/ NRC 37 Seed Treatment (Trichoderma viride @ 10 gm/kg seed)	Rs.90000/-	<ul style="list-style-type: none"> <li>• Maturity days</li> <li>• No. Of pods per plant</li> <li>• Test weight of Grain</li> </ul>
Sesame	Summer-25	Introduction of New Variety	Irrigated	Variety- GT- 5 JAU, Junagadh 2012,2015	10	25	Seed (3 kg/ha) Variety-GT 5	Rs.11500/-	Yield of Variety and BCR

# Action Plan for Cluster Front Line Demonstrations

## (Pulses)

Crop	Season	Purpose of demonstration	Farming situation	Variety	Area (ha)	No. of demonstrations	Critical Inputs Identified	Cost of critical inputs (Rs)	Parameters of observation
Pulses									
Green-gram	Summer-25	Introduction of New Variety	Irrigated	GM 6 (NAU, Navsari 2018)	10	25	GM 6 Seed (8 kg) Micro nurti	90000/-	<ul style="list-style-type: none"> <li>• Yield of Variety</li> <li>• Disease index for MYMV</li> <li>• No. of effective pods</li> <li>• Maturity days</li> <li>• Sucking pest infestation</li> </ul>
Pigeon-pea	Kharif-25	Introduction of New Variety	Irrigated	GJP 1 JAU- Junagadh (2015) GT-106	10	25	GJP 1/GT-106 Seed (6 kg) Micro nurti	90000/-	<ul style="list-style-type: none"> <li>• Yield of Variety</li> <li>• No. of see per pods</li> <li>• Maturity days</li> <li>• No. of branch per plant</li> <li>• Sucking pest and pod borer infestation</li> </ul>

# Front Line Demonstrations (Regarding other enterprises)

Name of the Enterprise	Purpose of demonstration	Month of implementation	No. of demonstrations	No. of farmers	Critical Inputs Identified	Cost of critical inputs (Rs)	Parameters of observation
Nutritional Garden	Improved varieties of vegetables	Rabi-24	100 Nos.	100	Seeds & Seedlings	15000/-	Production and cost saving.
	Improved varieties of vegetables	Kharif-24	100 Nos.	100	Seeds & Seedlings	15000/-	Production and cost saving.
Herbal Gardening	Awareness of traditional use of herbs	Kharif-24	25 Nos.	25	Seed and Seedling	15000/-	Health care in traditional systems and cost saving

## Front Line Demonstrations (Regarding other enterprises)

Name of the Enterprise	Purpose of demonstration	Month of implementation	No. of demonstrations	No. of farmers	Critical Inputs Identified	Cost of critical inputs (Rs)	Parameters of observation
Drudgery reduction	Grubber Weeder	Kharif-24	60 Nos.	60	Planting Material	30000/-	Production and cost saving.
	Naveen Dibbler	Kharif-24	25 Nos.	25	Planting Material	20000/-	Production and cost saving.