

8.Action plan

Action Plan

(January – 2021 to December - 2021)

Training Programme : Summary

Sr. No.	Subject	On Campus	Off Campus	Grand Total
1	Crop Production	02	03	05
2	Plant Protection	05	09	14
3	Soil Health	01	02	03
4	Agril. Engineering	-	-	-
5	Home Science	05	09	14
6	Horticulture	02	02	04
7	Extension Functionaries	02	-	02
8	Any other	-	-	-
	Total	17	25	42
1	In Service Training	-	-	-
2	Collaborative / Sponsored Training	02	06	08
3	Vocational Training	-	-	-
	Grand Total	19	31	50

Training Programmes

I) On Campus Training (For Practicing Farmers, Farm Women & Rural Youth)

Date	Clientele	Title of The Training Programme	Duration In Days	No. Of Participants			Number Of SC/ST			Grand Total
				M	F	T	M	F	T	
1) Crop Production										
January	PF	Importance and use of bio fertiliser	1	22	00	22	03	00	03	25
January	PF	Nutrient management in <i>summer</i> crops	1	22	00	22	03	00	03	25
2) Horticulture										
August	PF	Raising of vegetable nursery	1	20	04	24	00	01	01	25
October	PF	Seed production technology in vegetable crops	1	20	04	24	00	01	01	25
3) Soil Health										
January	PF	Nutrient management in <i>rabi</i> crops.	1	22	00	22	03	00	30	25
4) Live Stock Production - Nil										
5) Home Science										
January	FW	Skill development training- Sewing work the fall ends of the sari	1	00	22	22	00	03	03	25
February	FW	Knowledge about basic computer training	1	00	22	22	00	03	03	25
May	FW	Income generating through flower making	1	00	22	22	00	03	03	25
August	FW	Meal plans for a women performing hard physical work.	1	00	22	22	00	03	03	25
November	FW	Household food security by kitchen gardening and nutrition gardening	1	00	22	22	00	03	03	25
6) Agri. Engineering - Nil										
7) Plant Protection										
January	PF	Insect pest & disease management in <i>rabi</i> crops.	1	22	00	22	03	00	03	25
February	PF	Store grain pest and their management.	1	22	00	22	03	00	03	25
May	PF	Seed treatment for pest and disease management in <i>kharif</i> crops.	1	22	00	22	03	00	03	25
August	PF	Management of insect pest & disease in <i>kharif</i> crops.	1	22	00	22	03	00	03	25
October	PF	Safe and judicious use of pesticides.	1	22	00	22	03	00	03	25

II) Off Campus Training (For Practicing Farmers, Farm Women & Rural Youth)

Date	Clientele	Title Of The Training Programme	Duration In Days	Number Of Participants			Number Of SC/ST			Grand Total
				M	F	T	M	F	T	
1) Crop Production										
May	PF	Importance and criteria for organic farming	1	22	01	23	02	00	02	25
October	PF	Production technologies of <i>rabi</i> crops	1	22	00	22	03	00	03	25
April	PF	Importance of soil analysis.	1	21	01	22	03	00	03	25
2) Horticulture										
August	FW	Raising of vegetable nursery	1	00	23	23	00	02	02	25
January	PF	Scientific cultivation of spices crops.	1	21	2	22	02	01	03	25
3) Soil Health										
February	PF/FW	Importance of soil health card and soil and water testing	1	22	01	23	02	00	02	25
July	PF	Information Regarding Bio-fertilizer Application In Different Crops	1	22	00	22	03	00	03	25
4) Live Stock Production - Nil										
5) Home Science										
January	FW	Nutrition knowledge of women health.	1	00	22	22	00	03	03	25
February	FW	Income generating activity - rural craft (Skill Development)	1	00	20	20	00	05	05	25
March	FW	Iron deficiency and solution	1	00	22	22	00	03	03	25
June	FW	Malnutrition problem & solution	1	00	22	22	00	03	03	25
July	FW	Meal plan for pregnant women	1	00	22	22	00	03	03	25
August	FW	Income generating activity - rural craft or suing	1	00	22	22	00	03	03	25
September	FW	Nutrition knowledge of child care	1	00	22	22	00	03	03	25
November	FW	How to make amla candy	1	00	22	22	00	03	03	25
December	FW	How to make pomegranate juice	1	00	22	22	00	03	03	25
6) Agri. Engineering - Nil										
7) Plan Protection										
January	PF	Insect pest & disease management in <i>rabi</i> crops.	1	22	02	24	01	00	01	25
March	PF	Store grain pest and their management and precautions.	1	21	00	21	04	00	04	25
May	PF	Seed treatment for pest management in <i>kharif</i> crops.	1	23	00	23	02	00	02	25
July	PF	Integrated pest & disease management in <i>kharif</i> crops.	1	20	03	23	02	00	02	25

August	PF	Integrated insect-pest & disease management in cotton.	1	22	01	23	02	00	02	25
September	PF	Bio control of pest and disease of <i>kharif</i> crops.	1	22	00	22	03	00	03	25
October	PF	Role of predator and parasite in pest management.	1	22	00	22	03	00	03	25
November	PF	Integrated insect-pest & disease management in horticultural crops	1	25	00	25	00	00	00	25
December	PF	Pest & disease management in <i>rabi</i> crops	1	23	00	23	02	00	02	25

III) Vocational Training :- Nil

IV) Extension Functionaries Training

Date	Clientele	Title Of The Training Programme	Duration In Days	No. Of Participants			Number Of SC/ST			Grand Total
				M	F	T	M	F	T	
On Campus										
June	PF	Integrated pest management in <i>kharif</i> crop	1	34	03	37	03	00	03	40
October	PF	New recommendation and package of practice of <i>rabi</i> crops	1	34	03	33	03	00	03	36

V) Sponsored / Collaborative Training With Other Organization

Discipline	Sponsoring Agency	Clientele	Title Of The Training Programme	No. Of Course	No. Of Participants			Number Of SC/ST			G. Total
					M	F	T	M	F	T	
a) Sponsored Training Programme											
Plant Protection	ATMA-Morbi	PF	Safe and judicious use of insecticide for preservation of predator, parasite and honey bee.	1	23	00	23	02	00	02	25
Plant Protection	ATMA-Staff	PF	Different ipm modules for relevant crops.	1	24	00	24	01	00	01	25
Plant Protection	DAO-Morbi	PF	Insect & disease management through seed treatment.	1	25	00	25	00	00	00	25
Horticulture	ATMA-Morbi	PF	Scientific cultivation of spices crops.	1	21	00	21	04	00	04	25
Horticulture	Reliance Foundation	PF	Improved varieties and their characteristic of vegetable crops developed by SAUs	1	24	00	24	01	00	01	25
Crop Production	ATMA-Morbi	PF	Nutrient management in <i>rabi</i> crop	1	22	01	23	02	00	02	25
Crop Production	ATMA-Morbi	PF	Importance and use of bio fertilizer	1	22	00	22	03	00	03	25
Home Science	ATMA-Morbi	PF	Women empowerment / income generating activity	1	00	22	22	03	00	03	25
Total				8	161	23	184	16	0	16	200
b) Sponsored Research Programme – Nil											
c) Any Special Programmes – Nil											

1. Front Line Demonstrations (Proposed)

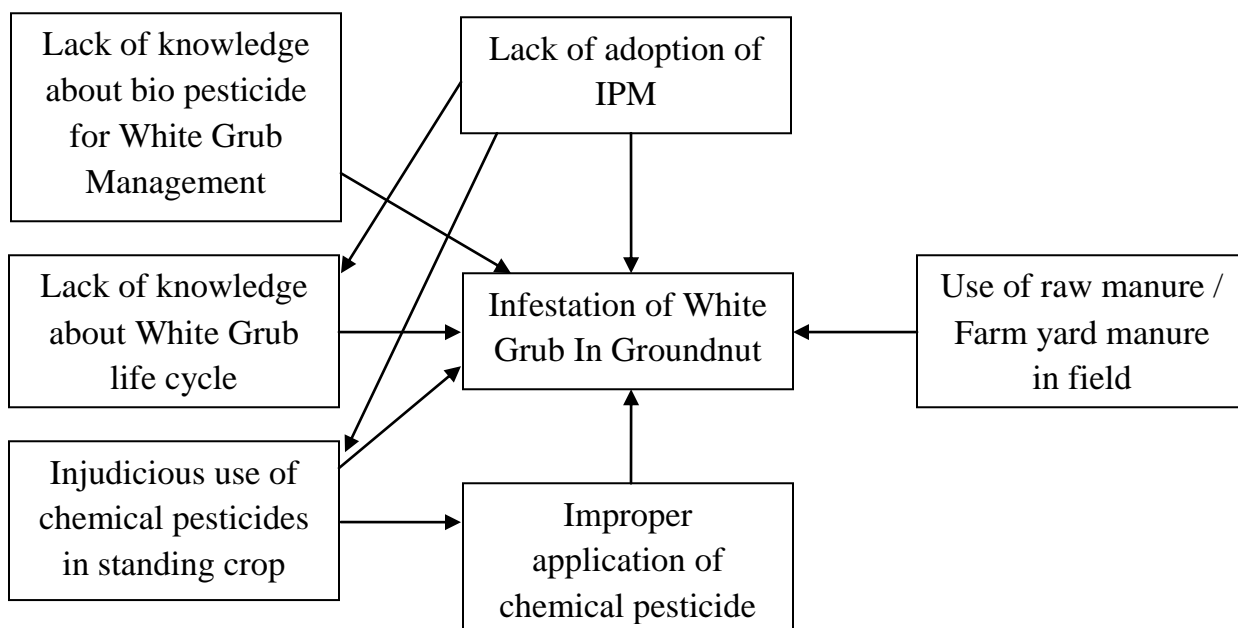
No	Crop	Variety	Thematic Area	Technology For Demonstration	Critical Inputs With Cost (Rs.)	Season And Year	Area (Ha)	No. Of Farmers/ Demon.	Parameters Identified
1	Groundnut	GJG – 32	New Variety	New variety of groundnut GJG - 32	22000/-	Kharif-2021	4.0	10	Yield, B:C Ratio, Farmers Perception
2	Black Gram	GU-2	New Variety	New variety of black gram GU - 2	6000/-	Kharif-2021	4.0	10	Yield, B:C Ratio, Farmers Perception
2	Gram	GG – 5	New Variety	New variety of gram GG - 5	22500/-	Rabi-2021	4.0	10	Yield, B:C Ratio, Farmers Perception
3	Cumin	GC – 5	New Variety	New variety of cumin GC - 5	15000/-	Rabi-2021	2.0	5	Yield & B:C Ratio , Farmers Perception
4	Kitchen Gardening	Five Major Vegetable Crops	New Improved Variety	New variety of different vegetable crops	2500/	Rabi-Summer 2021	-	15	Yield, B:C Ratio, Farmers Perception
5	Sesame	GT – 5	New Variety	New variety of sesamum GT - 5	3000/-	Summer-2021	4.0	10	Yield, B:C Ratio, Farmers Perception
6	Pearl Millet	GHB-538	New Hydride	New hybrid of Pearl millet, GHB-538	2000/	Summer-2021	2.0	5	Yield, B:C Ratio, Farmers Perception
7	Pearl Millet	GHB-1129/1236	New Hydride (Bio Fortified)	New hybrid of Pearl millet, GHB-1129/1236	2000/	Summer-2021	2.0	5	Yield, B:C Ratio, Farmers Perception
Total					75000/-		22.00	70	

ON FARM TESTING (OFTs)

OFT- 1

Management Of White Grub In Groundnut	
Prioritized problem	Low yield due to infestation of white grub
Thematic area	Integrated pest management
Objective	To minimize the infestation of white grub in groundnut.
Treatment	1) Sowing of groundnut without seed treatment. Farmers adopt drenching of chlorpyriphos or quinalphos @ 6 lit/ha with irrigation at initiation of pest incidence. (Farmers Practice). 2) Seed treatment with chlorphyriphos 20ec @ 25 ml/kg seed. (GAU Reco.) 3) Soil application of <i>metarhizium anisoplii</i> @ 5 kg/ha with 300 kg/ha castor cake at the time of sowing
Source of technology	GAU & JAU
Name of critical input	Chlorphyriphos for seed treatment
Qty per trial	2 liter
Cost per trial	2000/-
No. Of trials	3
Total cost for the oft(rs.)	6000/-
Experimental plot size	1 acre
Parameters to be studied	1) Yield 2) No. of infested plant in 1 sq. Mt. Area at 75 days after sowing , BC Ratio
Team members	1) Shri D. A. Saradava 2) Dr. H. D. Mehta

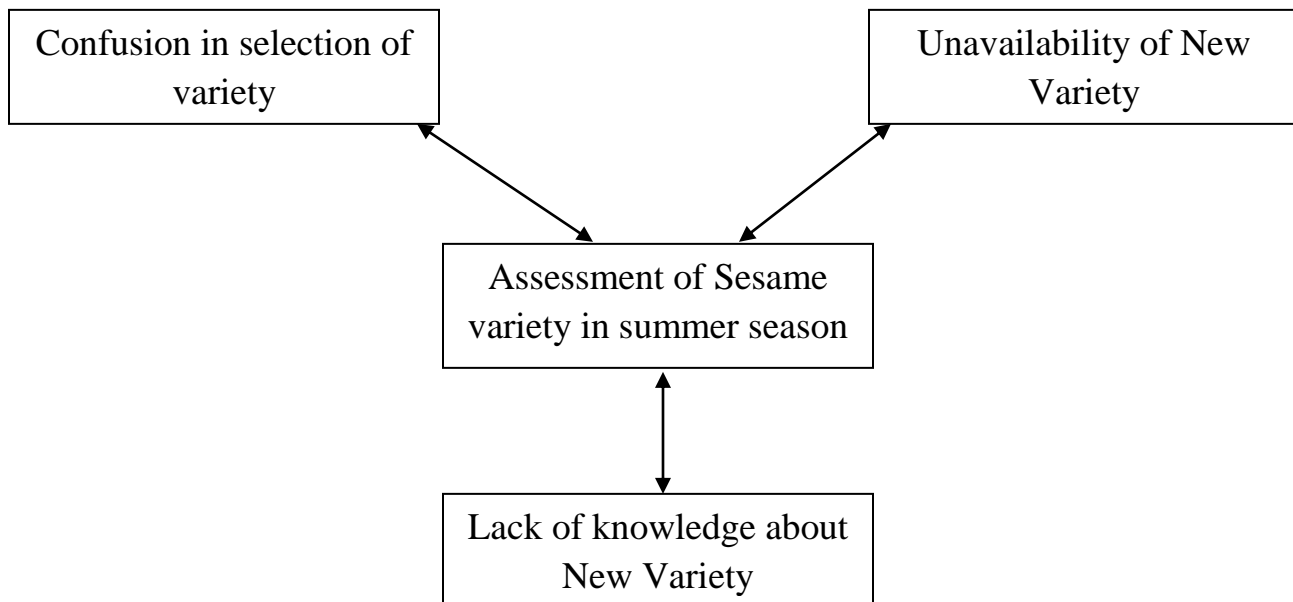
Management of White Grub in Groundnut Crop Diagram



OFT - 2

Assessment of New Variety of Sesame	
Prioritized problem	Low yield of sesame in summer
Thematic area	New Variety
Objective	To find out the suitable variety of the Sesame summer season.
Treatment	1) G Til - 2 or Local (Farmer Practice). 2) G Til – 3 (JAU Recommendation for summer) 3) G Til – 5 (JAU Recommendation for summer)
Source of technology	J.A.U.
Name of critical input	Sesame Seed G Til-3 & G Til-5
Qty per Trial	2 Kg
Cost per Trial	300/-
No. Of Trials	5
Total Cost for the OFT(Rs.)	1500/-
Experimental plot Size	1 Acre
Parameters to be studied	(1) Yield 2) No. pod/plant (3) Branches/plant (4) B:C Ratio
Team members	Dr. L. L. Jivani

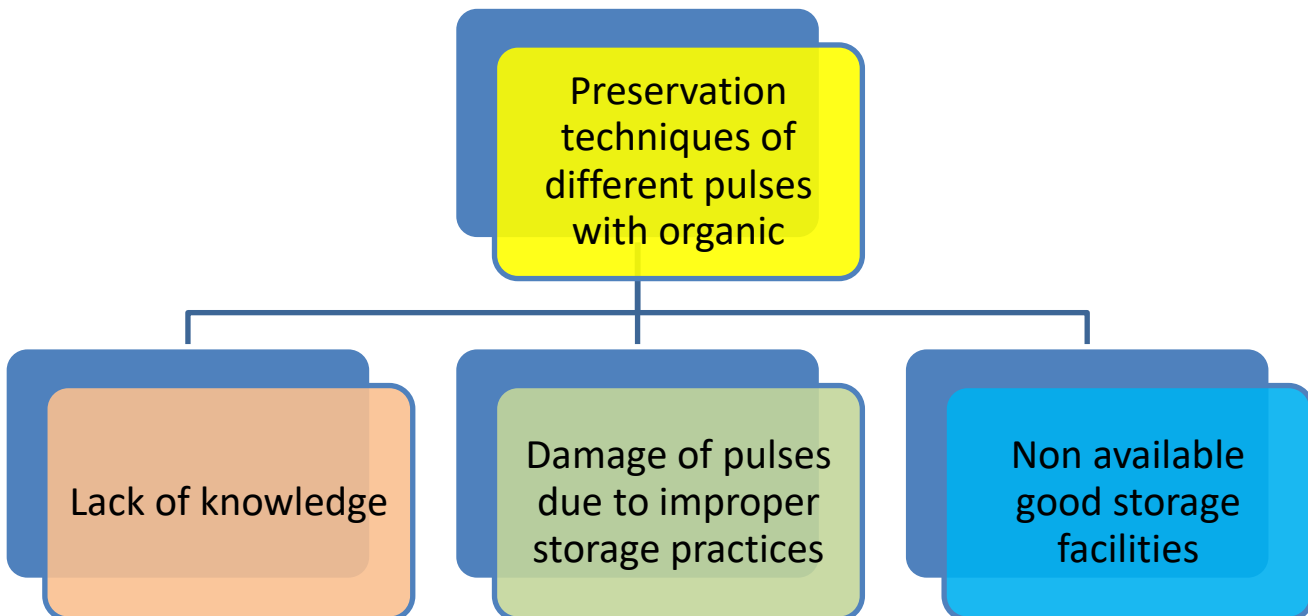
Assessment of New Variety of Sesame Diagram



OFT – 3

Preservation Techniques of Different Pulses with Organic Method	
Prioritized Problem	Lack of knowledge about pulse preservation (damage during storage about 30 to 45 percent)
Technology Options	1. Use of neem leaves 2. Use of castor oil 3. Airtight plastic bag 4. Preservation without any treatment
Source Of Technology	IRRI-2011
Name Of Critical Input	1) Neem Leaves (2) Castor Oil (3) Airtight Plastic Bag
Qty Per Trial	1) 50 gm dry leaves/500 gm food grain 2) 1 kg castor oil/100kg food grain
Cost Per Trial	150/-
No. Of Trials	10
Total Cost For The OFT(Rs.)	1500/-
Parameters To Be Studied	Quality of stored grain damage percentages after 60 , 90 & 180 days
Team Members	Dr. H. D. Mehta

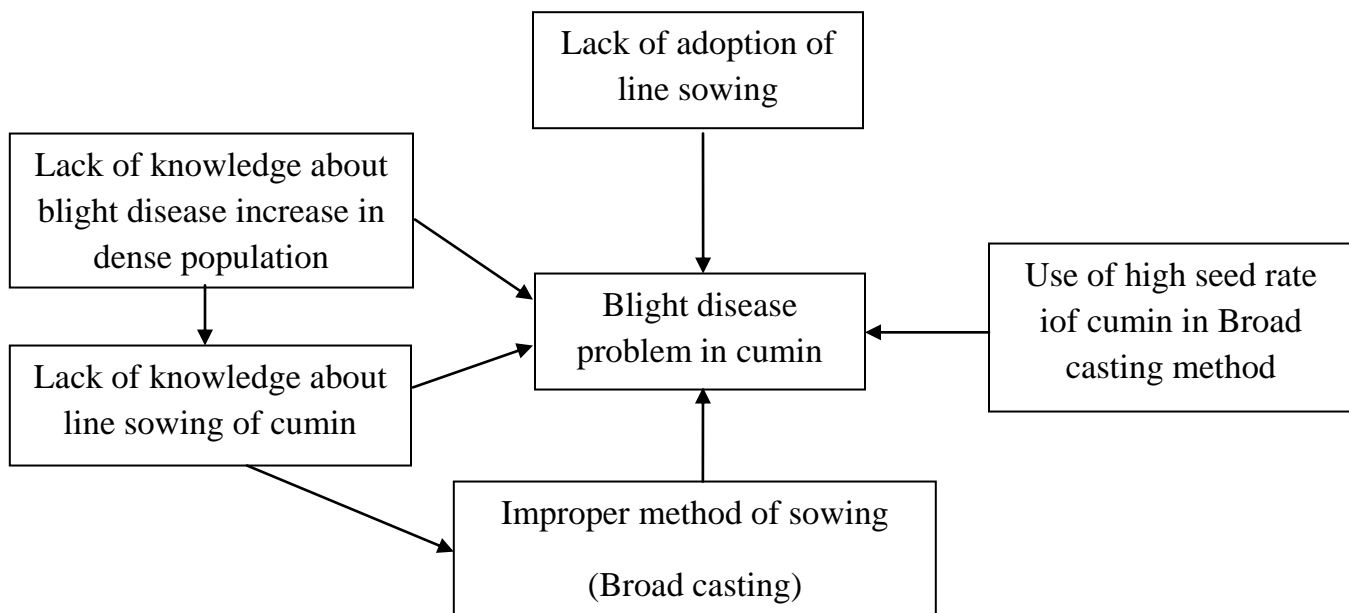
Preservation Techniques of Different Pulses with Organic Methods Problem - Cause Diagram



OFT- 4

Minimize The Disease Intensity Through Line Sowing In Cumin Crop	
Prioritized problem	Fifteen to twenty percent yield reduction in due to blight disease
Thematic area	Integrated Disease Management
Objective	1) Minimize the disease intensity 2) Even seed distribution 3) Reduce the seed rate
Treatment	1) Sowing of cumin with broad casting method (Farmer practice) 2) Sowing of cumin at 30 distance between two raw (Recommended practices.) 3) Sowing of cumin at 15 cm distance between two raw (Intervention).
Source of technology	J.A.U.
Name of critical input	Seed of cumin GC-4
Qty per Trial	6 Kg
Cost per Trial	1200/-
No. Of Trials	3
Total Cost for the OFT(Rs.)	3600/-
Experimental plot Size	1 Acre
Parameters to be studied	1) Yield 2) Percentage of incidence of blight disease in 1 sqmt area at 75 days after sowing and BC ratio
Team members	1) Shri D. A. Saradva 2) Dr. L. L. Jivani

Minimize The Disease Intensity Through Line Sowing In Cumin Crop Diagram



Extension Activities:

Sr. No.	Activity	Proposed No.
1	Kisan Mela	1
2	Field Day	2
3	Kisan Ghosthi	10
4	Radio Talk	As and when require
5	TV Show	As and when require
6	Film Show	21
7	Animal Health Camp	-
8	Improved Implements Demonstration	1
9	Khedut Shibir	5
10	Kisan Mahila Meeting	2
11	News Paper Coverage	As and when require
12	Popular Articles	15
13	Extension Literature	5
14	Advisory Service	As and when require
15	Ex-Trainee Sammelan	-
16	Seminar	-
17	Pashu Mela	-
18	Exhibition	1
19	Night Meeting	2
20	Celebration Of Technology Week	1
21	Krushu Mahotsav	1
22	Celebration Of Mahila Sashaktikaran Day	1