

8.Action plan

(January – 2020 to February - 2020)

Training Programme : Summary

Sr. No.	Subject	On Campus	Off Campus	Grand Total
1	Crop production	01	01	02
2	Pl. Protection	03	13	16
3	Soil Health	03	03	06
4	Agril. Engineering	01	01	02
5	Home science	05	12	17
6	Horticulture	01	02	03
7	Extension Functionaries	01	-	01
8	Any Other	01	-	01
	Total	16	32	48
1	In service training	-	-	-
2	Sponsored Training	-	09	09
3	Vocation training	-	-	-
	Grand Total	16	41	57

8.1.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	
Crop Production										
February	PF	Importance and Use of Bio Fertiliser	1	22	00	22	03	00	03	25
Horticulture										
October	FW	Grading and Standardization	1	00	22	22	00	03	03	25
Live Stock Production.- Nil										
Agri. Engineering										
March	PF	Use of Plastic in Farming Practice	1	22	00	22	03	00	03	25
Home Science										
February	FW	Knowledge about Computer	1	00	22	22	00	03	03	25
February	FW	Skill Development Training-Marketing Management & Rural Craft	1	00	22	22	00	03	03	25
April	FW	Income Generating through Flower Making	1	00	22	22	00	03	03	25
May	FW	Meal Plans for a women Performing Hard Physical Work.	1	00	22	22	00	03	03	25
August	FW	Skill Development Training-Marketing Management & Rural Craft	1	00	22	22	00	03	03	25
Plant Protection										
April	PF	Store Grain Pest Management and Precautions.	1	22	00	22	03	00	03	25
June	PF	Management of Insect Pest & Disease in <i>Kharif</i> Crops.	1	22	00	22	03	00	03	25
August	PF	Safe and Judicious Use of Pesticide	1	22	00	22	03	00	03	25
Fisheries – Nil										
Soil Health										
June	PF/FW	Importance of Soil Health Card	1	22	00	22	03	00	30	25
July	PF	Importance of Soil Analysis and Method of Soil Sampling	1	22	00	22	03	00	30	25
August	PF	Nutrient Management in <i>Rabi</i> Crop	1	22	00	22	03	00	30	25
Any Others										
November	PF	Irrigation Management in <i>Rabi</i> Crop	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	
Crop Production										
May	PF	Importance and Criteria for Organic Farming	1	22	00	22	03	00	03	25
Horticulture										
April	FW	Household Food Security by Kitchen Gardening	1	00	22	22	00	03	03	25
July	FW	Benefits of Organic Vegetables Gardening	1	00	22	22	00	03	03	25
Livestock Prod.- Nil										
Agri. Engineering										
July	PF	Post Harvest Technology	1	22	00	22	03	00	03	25
Home Science										
March	FW	Information of Income Generating Activity – Food & Agriculture	1	00	22	22	00	03	03	25
April	FW	How to Make a Pomegranate Juice	1	00	22	22	00	03	03	25
May	FW	Iron Deficiency and Solution	1	00	22	22	00	03	03	25
June	FW	Nutrition Knowledge of Women & Child Care	1	00	20	20	00	05	05	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	Information of Income Generating Activity	1	00	22	22	00	03	03	25
September	FW	How to Make a Guava Juice	1	00	22	22	00	03	03	25
September	FW	Nutrition Knowledge of Women & Child Care	1	00	22	22	00	03	03	25
October	FW	How to Make a Chili Sauce	1	00	22	22	00	03	03	25
November	FW	Information of Income Generating Activity	1	00	22	22	00	03	03	25
November	FW	How to Make a Tomato Sauce	1	00	22	22	00	03	03	25
Plan prot.										
May	PF	Seed treatment for Pest Management	1	22	00	22	03	00	03	25
May	PF	Integrated Pest & Disease Management in <i>Kharif</i> Crop	1	22	00	22	03	00	03	25

June	PF	Pest & Disease Management in Rabi Crops	1	22	00	22	03	00	03	25
June	PF	Role of Predator and Parasite in Pest Management.	1	22	00	22	03	00	03	25
July	PF	Bio Control of Pest and Disease	1	22	00	22	03	00	03	25
July	PF	Store Grain Pest Management and Precautions	1	22	00	22	03	00	03	25
August	PF	Different IPM Modules for relevant Crops	1	22	00	22	03	00	03	25
August	PF	Management of Pink Boll Worm in Cotton	1	22	00	22	03	00	03	25
September	PF	Management of Insect Pest & Disease in Spices Crops	1	22	00	22	03	00	03	25
September	PF	Insect pest & disease Management in Groundnut	1	22	00	22	03	00	03	25
October	PF	Principles of Storage Pest Management	1	22	00	22	03	00	03	25
October	PF	Importance of Seed Treatment for Insect - Pest & Disease Management	1	22	00	22	03	00	03	25
November	PF	Integrated Insect-Pest & Disease Management in Cotton	1	22	00	22	03	00	03	25
Fisheries – Nil										
Soil Health										
April	PF	Soil Fertility Management	1	22	00	22	03	00	03	25
May	PF	Production and Use of Organic Inputs	1	22	00	22	03	00	03	25
September	PF	Importance of Soil and Water Testing	1	22	00	22	03	00	03	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 Kharif Crop	1	34	03	37	03	00	03	40

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	Preparation of NSKE and its Usefulness in Agriculture Crops.	1	22	00	22	03	00	03	25
Plant Protection	ATMA-Morbi	PF	Safe and Judicious Use of Insecticide for Preservation of Predator, Parasite and Honey Bee.	1	22	00	22	03	00	03	25
Plant Protection	ATMA-Staff	PF	Different IPM Modules for relevant Crops.	1	22	00	22	03	00	03	25
Plant Protection	DAO-Morbi	PF	Insect & Disease Management through Seed Treatment.	1	22	00	22	03	00	03	25
Plant Protection	DAO-Morbi	PF	Safe and Judicious Use of Pesticide	1	22	00	22	03	00	03	25
Soil Science	ATMA-Morbi	PF	Importance of Soil Analysis	1	22	00	22	03	00	03	25
Soil Science	DAO-Morbi	PF	Nutrient Management in <i>Rabi</i> Crop	1	22	00	22	03	00	03	25
Soil Science	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	22	00	22	03	00	03	25
Total				9	198	00	198	27	00	27	225
b) Sponsored Research Programme – Nil											
c) Any Special Programmes – Nil											

8.2. Front Line Demonstrations (Proposed)

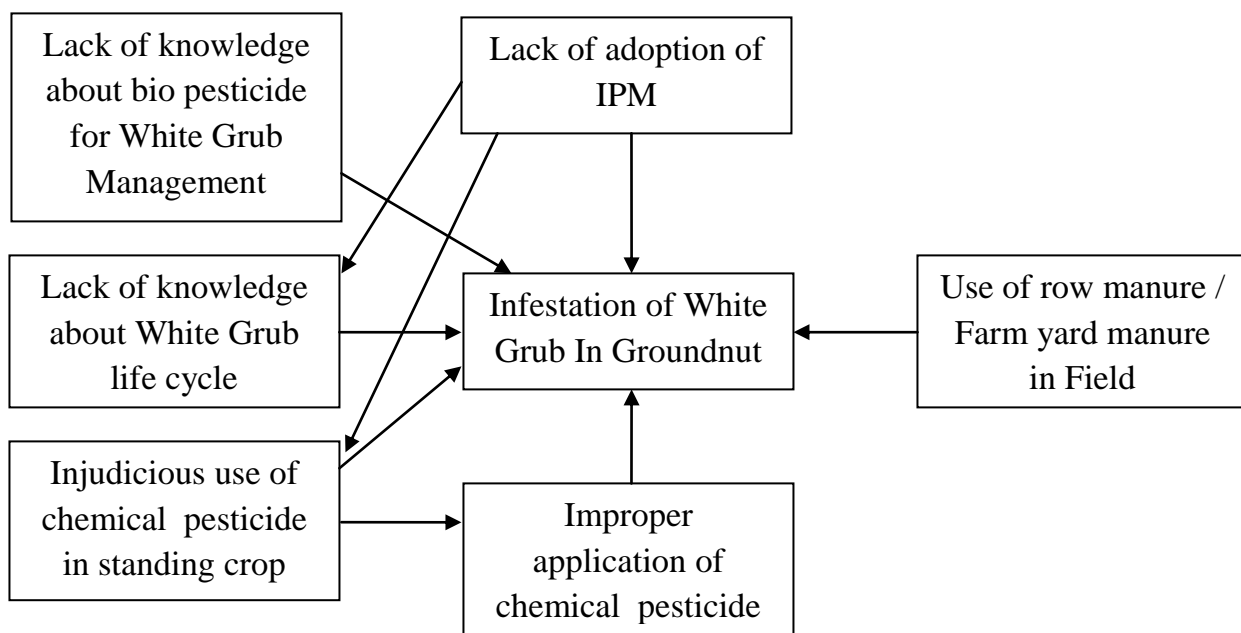
No	Crop	Variety	Thematic area	Technology for demonstration	Critical inputs with cost (Rs.)	Season and year	Area (ha)	No. of Farmers /Demon.	Parameters Identified
1	Ground nut	GJG - 32	New Variety	New variety of Groundnut GJG22/GJG-32	22000/-	Kharij-2020	4.0	10	Yield, B:C ratio, Farmers perception
2	Cotton	Bt. Cotton	IPM	Pink ball Worm Management through MDP	30000/-	Kharij-2020	4.0	10	Yield & Pest population / Yield, B:C ratio, Farmers perception
3	Sesame	GT - 5	New Variety	New variety of GT-5 Summer	5000/-	Summe r-2020	4.0	10	Yield, B:C ratio, Farmers perception
4	Gram	GG - 5	New Variety	New variety of Gram GG-5	22500/-	Rabi-2020	4.0	10	Yield, B:C ratio, Farmers perception
5	Cumin	GC - 4	IDM	Wilt Management through Trichoderma	12500/-	Rabi-2020	4.0	10	Yield & B:C Ratio , Farmers perception
Total					92000/-		20.0	50	

8.2.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 Chlorpyrifos or quinalphos @ 6 lit/ha with irrigation at initiation of pest incidence. (Farmers practice) 2) Seed treatment with chlorpyrifos 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	Chlorpyphos for seed treatment
Qty per Trial	1 liter
Cost per Trial	600/-
No. of Trials	5
Total Cost for the OFT(Rs.)	3000/-
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.Saradva 2) Dr.H.D.Mehta

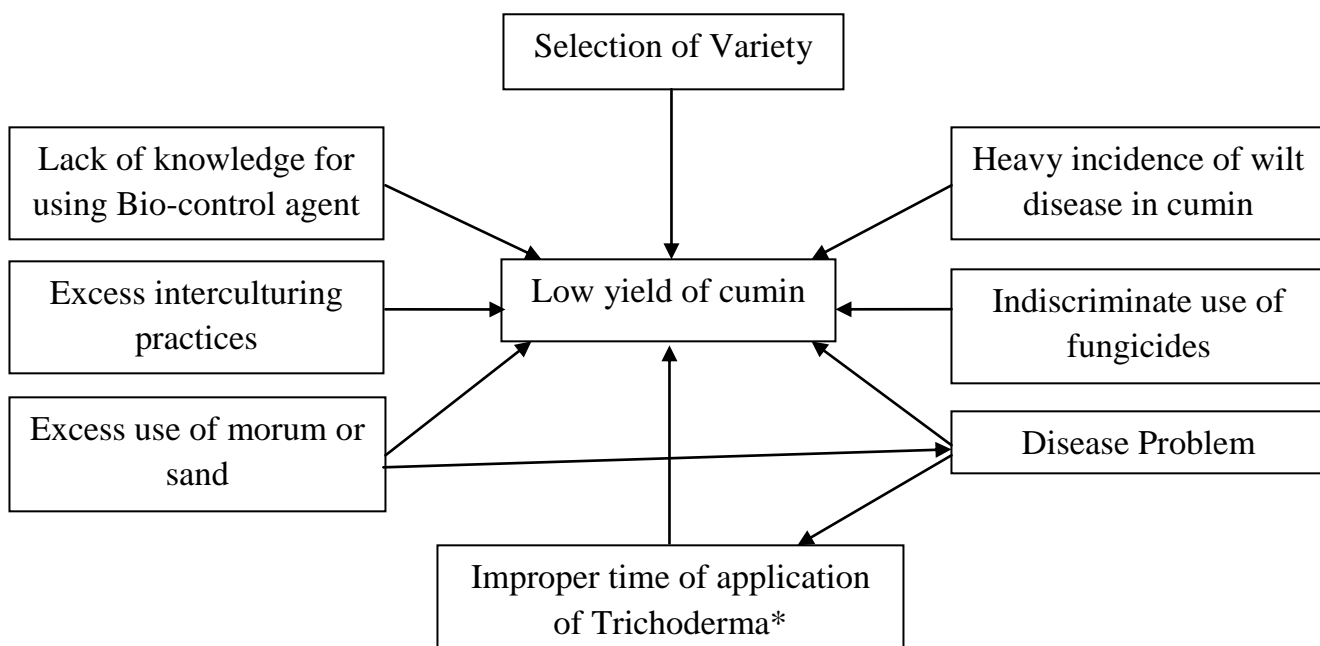
Management of White Grub in Groundnut Crop Diagram



OFT- 2

Use Of Trichoderma For Management of Wilt Disease In Cumin	
Prioritized problem	Low yield of cumin due to Wilt Disease
Thematic area	Integrated Disease Management
Objective	Application of biological control agent <i>Trichoderma</i> for managing the disease problem in cumin.
Treatment	1) Sowing of cumin without use of <i>Trichoderma</i> , <i>harzanium</i> (Farmers practices.) 2) Application of <i>Trichoderma</i> @ 5 kg /ha with organic manure @ 1000 kg / ha at the time of sowing.. (Recommended practices.) 3) Application of <i>Trichoderma</i> @ 5 kg /ha along with organic manure @ 1000 kg / ha at the time of sowing and second application of <i>Trichoderma</i> @ 5 kg /ha along with organic manure by broadcasting method at 15 days after germination. (Intervention).
Source of Technology	J.A.U.
Name of critical input	<i>Trichoderma</i>
Qty per Trial	6 Kg
Cost per Trial	420/-
No. of Trials	5
Total Cost for the OFT(Rs.)	2100/-
Experimental plot Size	1 Acre
Parameters to be studied	1) Yield 2) Percentage of incidence of wilt in 1 sqmt Area at 75 days after sowing and BC ratio
Team Members	1) Shri D. A. Saradva

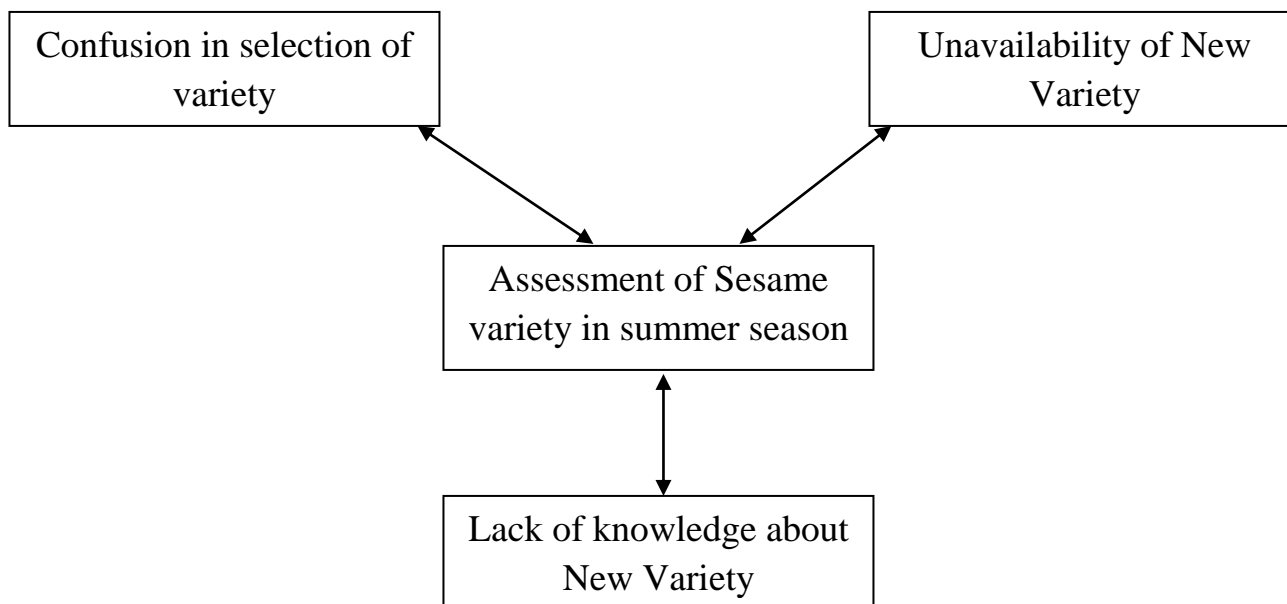
Management of Wilt Disease In Cumin Diagram



OFT - 3

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) Percentage of pod/plant (3) B:C Ratio
Team Members	1) Dr. A. H. Sipai (2) D. A. Saradava

Assessment of New Variety of Sesame Diagram

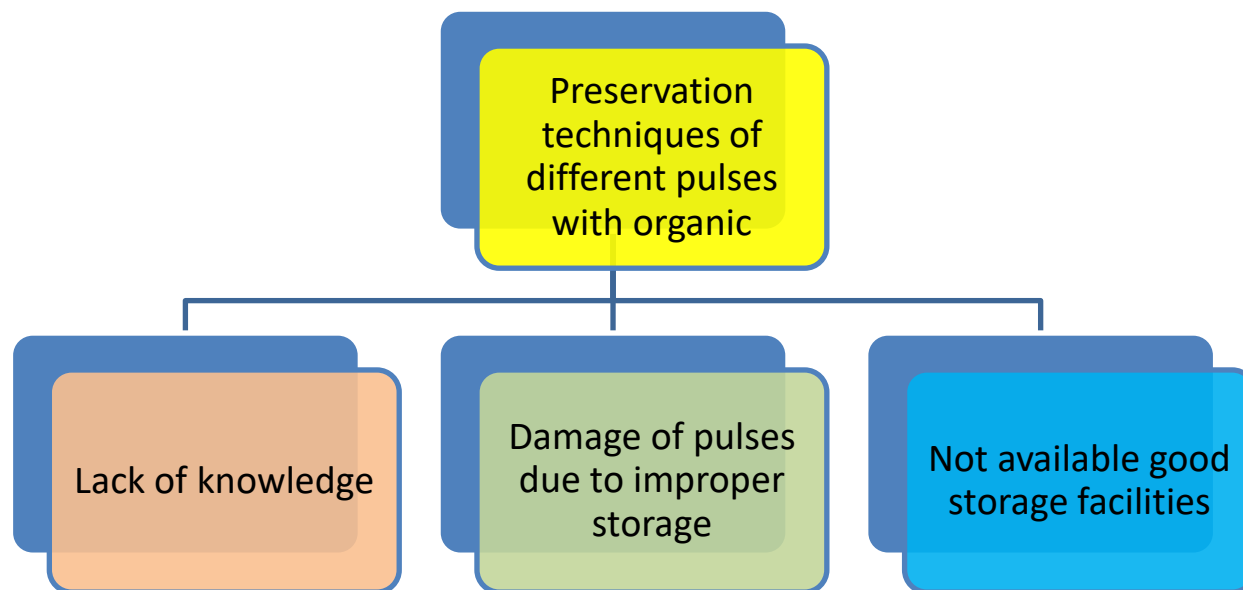


OFT – 4

Preservation Techniques of Different Pulses with Organic Method	
Prioritized Problem	Lack of knowledge about phase preservation (Damage during storage about 30 to 45 percent)
Technology Options	1. Use of Neem leaves 2. Use of Castor Oil 3. Preservation without any Treatment
Source of Technology	IRRI-2011
Name of critical input	1) Neem Leaves (2) Castor Oil
Qty per Trial	1) 50gm dry leaves/500 gm food grain 2) 1 Kg castor oil/100kg food grain
Cost per Trial	200/-
No. of Trials	10
Total Cost for the OFT(Rs.)	2000/-
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



8.3 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