

Name of the Course: Value Addition of Cereals Crops
Code : FOI/2021/VACC/078
Sector Name: Food Processing
Qualification of Trainee : Class 8th Pass
Duration of Training Course: 200 hours

1. Objective:

To enhance practical knowledge on improved cultivation techniques, varieties of economically important Value-Added Cereals Crops.

2. Course outcome:

i) Trainee will be able to Explain importance of Value-Added Cereals Crops, its market, Consumers requirement.

ii) Demonstrate Good Agricultural practices (GAP), Good Harvesting practices (GHP), Post harvesting practices of some selected species of Value-Added Cereals Crops like oil seed.

iii) Demonstrate packaging method, marketing process and supply chain management system of mustard oil & cereal products.

iv) Prepare a project report to set up a Value-Added Cereals Crops production unit.

Sl.No.	Content	Total Hours	Theory & Practical Hours
1	Ensure workplace safety and maintain practice for Personal Hygiene at Workplace	14	
Theory			4
	Discuss workplace hygiene, sanitation and job specific safety procedures, and carry safety measures while handling different types of products, comply with health, safety and security related instructions applicable to the workplace. Personal hygiene, oil seeds, manufacturing unit and storage.		
Practical			10
	Follow Standard Operating Practices at workplace related to health and hygiene such as social distancing, sanitization and cleanliness, report any accidents, incidents or problems without delay to the supervisor and take necessary immediate, monitor the workplace and work processes for potential risks and threats, take action based on instructions in the event of fire, emergencies or accidents		
2	Understanding Basic Concepts of Entrepreneurship	16	
Theory			16
	Fundamentals of Enterprise		
	Definition of concepts of Entrepreneurship		
	Qualities of an entrepreneur		
	Modern Concept of Marketing		
	Importance of Marketing		
3	Generating a Business Idea:	64	
Theory			12
	Value addition of Cereals crops		
	Packaging and Labeling: Concept of packaging, Role of packaging, Concept of labelling		
	Branding: Concept of branding, Functions of branding		
	Pricing: Concept of price, Importance of price, Factors determining price		
Practical			16
	Processing of cereals crops		
	Demonstration on Packaging, labelling and Branding of mustard oil and cereal products.		
Practical (Exposure Visit)			36
	Exposure visits for Market linkages and Promotion to Nirmal's Farm, Bara Mangwa. The objective of the visit is to observe, interact, understand and learn the		

	various operational and implementing steps of setting up the business unit including registration procedure, value addition of the products, quality control, packaging, bottling, labeling, branding, market linkages, promotion strategy with unique selling proposition (USP), customer feedback etc.		
4	Developing a Business Plan	20	
Theory			6
	Why business planning is necessary		
	Checklist for business plan: The product, Concept of Products, Concept of Product levels, Product Types (Consumer and Industrial)		
	The market structure (Demand and Supply)		
	Who are your customers?		
	What are my customer's needs and wants?		
	How can I satisfy my customers'?		
	Technical factors		
	Infrastructure		
	Financial analysis		
Practical			14
	Create 2 groups to conduct Market research in order to collect information, which enables to make the right decision on the marketing of the product/service. The main focus within this activity is to find out as much as possible about people's buying habits and their competition. Visit Rimbik Fresh, a local farm-based enterprise in Rimbik.		
5	Networking and linkages	24	
Theory			16
	Various government schemes		
	Loans availability and procedures		
	Local and national level enterprises		
Practical			8
	Visit nearby Cooperative Demonstrate bank loan procedure		
6	Production management training for primary producers	44	
	A) Interculture operation training to maintain quality of the primary product (oil seed) for primary producers		
Theory			12
	Manures and Irrigation		
	Thinning and Weeding		
	Insect Pest and Disease Management		
	Harvesting		
Practical			16
	Manures and Irrigation		

	Thinning and Weeding		
	Insect Pest and Disease Management		
	Harvesting		
	B) Post-harvest management training for primary producers		
Theory			8
	Threshing & winnowing		
	Drying, Packaging, and sorting		
Practical			8
	Demonstration of Threshing & winnowing, Drying, packaging and sorting		
7	Operational Management- Accounts and Book keeping/ Record-Keeping	12	
Theory			4
	Introduction in brief about account/book keeping		
	Types of Register (Sub-voucher register, Stock register and Fund receive register) & its importance		
	Different types of books (Cash book, Ledger book, bank account) and its importance		
	Importance of muster Roll		
Practical			8
	Demonstration of different types of register and management		
	Demonstration of different types of books and utilization		
	Muster roll demonstration		
8	Registration process for cooperative society	6	
Theory			6
	Explain the importance of registered cooperative society.		
	Procedure for registration		

Value Addition of Cereals Crops	
Tools and Equipments	Quantity
Kodal	03
Belcha	03
sickle	03
Khurpi	03
Watering can	03
knife	03
Grafting tools	03
Axe	03
Pruning knife	03
Polypots	06
Plastic sheet	50 metre
Mother beds	02
Sunken beds	02
50% agro nets	50 meter
Tray drier	01
grinder	01
Boiling bath	02
Filtering funnel	04
Pack sealing machine	02
Weighing Balance (Digital) -120 gm capacity	02
Laboratory Weighing Balance (Digital) – 20 kg capacity	02