MODEL CURRICULUM

Organic Vedic Farmer

SECTOR: Agriculture

SUB-SECTOR: Sustainable Agriculture/ Organic Cultivation

Occupation: Organic Vedic Farmer

REF ID: AGR/Q1201

NSQF Level: 4

QP Code: AGR/Q1201

Certificate

Contents

AGR/Q1201: Organic Vedic Farmer

Program Overview

Organic Vedic Farmer is responsible for production of quality organic produce adhering to the organic certification standard protocol and using recommended package of practices of organic input resource management for a particular agroclimatic zone. The person will also sell the organic produce as per the competitive market prices.

Personal Attributes

"The individual should have the ability to apply sustainable farming solutions, adapt to climate risks, maintain compliance with organic certification standards, and work collaboratively in a farm ecosystem with effective communication and record-keeping skills."

Applicable National Occupational Standards (NOS)

Compulsory NOS:

1. AGR/N1201: Undertake planning for organic farming
2. AGR/N1202: Carry out seed selection and treatment under organic farming
3. AGR/N1203: Carry out soil nutrient management under organic farming
4. AGR/N1204: Carry out weed management in an organic farm
5. AGR/N1205: Carry out irrigation management in an organic farm
6. AGR/N1206: Integrated pest and disease management in an organic farm
7. AGR/N1207: Carry out harvest and post-harvest management in an organic farm
8. AGR/N1208: Undertake quality assurance and certification in organic farming
9. AGR/N1209: Undertake business of organic farming
10. AGR/N9903: Maintain health and safety at the workplace
11. DGT/VSQ/N0102: Employability Skills

Curriculum / Syllabus

This program is aimed at training candidates for the job of a "Organic Vedic Farmer", in the "Agriculture" Sector/Industry and aims at building the following key competencies amongst the learner.

Training Delivery Plan	
Program Name	Organic Vedic Farmer
Qualification Pack Name & Reference ID	AGR/Q1201
Version	1.0
Pre-Requisite to Training	• 10th Class with 2 Years of relevant experience. OR • 10th Class (with minimum education as 5th grade pass) OR • Certificate-NSQF (Level-4 (Vermicompost Producer)) with 6 Months of experience relevant experience. OR • Certificate-NSQF (Level-3 with minimum education as 5th grade pass) with 2 Years of experience relevant experience. OR • 5th Class with 6 Years of experience in crop/horticulture cultivation
Minimum Job Entry Age	18 Years
Training Outcomes	**By the end of this program, the participaints would have achieved the following competencies:** 1. Understand the principles of Vedic farming methods including ancient texts, lunar/solar cycles, and their relation to crop cycles. 2. Identify and select suitable organic inputs based on soil type, crop requirements, and climate. 3. Prepare natural inputs such as Jeevamrutha, Panchagavya, Beejamrutha, and other bio-stimulants. 4. Practice sustainable cultivation techniques using indigenous seeds, companion cropping, and soil conservation methods. 5. Implement water management practices such as mulching, rainwater harvesting, and traditional irrigation methods.

	6. Manage composting systems including pit, heap, and vermin composting aligned with Vedic practices. 7. Monitor crop growth and health using non-chemical, traditional indicators and Vedic pest management techniques. 8. Maintain farm records and traceability logs for organic certification and quality compliance. 9. Apply yoga, meditation, and Vedic rituals as part of farmer well-being and farm energy enhancement. 10. Understand post-harvest management and marketing of organic produce including certification and direct-to-customer channels.

Qualification Pack (QP) Parameters

Next Review Date	
NSQC Approval Date	
Version	1.0
Reference code on NQR	2022/AGR/ASCI/06523
NQR Version	1.0

"This Qualification Pack aligns with national and international standards, including PKVY (Paramparagat Krishi Vikas Yojana), NCOF organic farming standards, and the FAO agroecology framework."

Modules

AGR/N1201: Undertake planning for organic farming

Description

This unit is about understanding basic principles and recommended package of practices of organic input resource management and planning for crops accordingly.

Scope

The scope covers the following:

- Assess different types of safe farming practices
- Plan for the transition to organic farming
- Plan diversification of the crop portfolio
- Plan the crops for the growing season

Objectives

- Enhance Soil Fertility and Structure
- Promote biodiversity
- Reduce environmental pollution
- Ensure high quality and chemical-free produce
- Support Animal Welfare

Outcomes:

- Improved Soil Health and Productivity
- Enhanced Ecosystem Services
- Reduced Chemical Exposure
- Access to Niche Markets and Premium Prices
- Long-Term Sustainability

Elements and Performance Criteria

Assess different types of safe farming practices:

"Plan integration of digital tools such as agri-drones for crop monitoring, GIS mapping for land use planning, mobile-based soil testing kits, eNAM portals for marketing, and blockchain systems for traceability of organic produce."

To be competent, the user/individual on the job must be able to:

PC1. Assess the detrimental effects of unsafe farming practices on health and environment

PC2. Analyze different kinds of safe farming practices and their characteristics

PC3. Assess the pros and cons of conventional farming vs. Organic farming

PC4. Examine the core principles and recommended package of practices applicable in organic farming**.**

Plan for the transition to organic farming

To be competent, the user/individual on the job must be able to:

PC5. Check out the effects of organic farming on costs and revenue

PC6. Estimate the time and effort commitments required for transition to organic farming

PC7. Examine the phased approach to be taken to transition to organic farming

Plan diversification of the crop portfolio

To be competent, the user/individual on the job must be able to:

PC8. Assess the need for multi-cropping in organic farming

PC9. Create feasible crop portfolios

PC10. Implement multi-crop projects effectively

Plan the crops for the growing season

To be competent, the user/individual on the job must be able to:

PC11. Assess the increased crop vulnerability in organic farming

PC12. Identify seasonal stress on various types of crops

PC13. Identify right crops for rotation

PC14. Create yearly plan

We shall plan as per the season both vegetables, leafy vegetables and managing the fruit crops. The planning is done as per the soil conditions, water availability and other resources.

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

KU1. Agro-ecology based farming like irrigated, rainfed, mountain, coastal, arid farming etc.

KU2. Seasonality of various crops

KU3. Advantages of crop rotation and combination of crops for rotation

KU4. Advantages and disadvantages of intercropping and types of crops to be intercropped

KU5. Compatibility of different crops

KU6. The effects of specific chemicals on health and **environment**

KU7. Difference between organic and conventional farming

KU8. Various forms of organic farming.

KU9. Characteristics of Good Agricultural Practices (GAP), natural farming, organic farming, zero till farming.

KU10. Benefits and trade-offs in organic farming**.**

KU11. Basic financial plan for organic farming breakeven

KU12. Common transition practices being followed

KU13. Steps needed to implement organic principles

KU14. Utilization of natural resource for planned organic farming

Generic Skills (GS)

User/individual on the job needs to know how to:

GS1. Write in local language to make personal notes and notes for workers

GS2. Read newspapers, magazines, etc for the latest technique in organic farming

GS3. Maintain effective working relationships

GS4. Communicate effectively with the other organic farmers, concerned officers/stakeholders

GS5. Make decisions pertaining to the concerned area of work

GS6. Identify problems that may arise in carrying out tasks and plan the preventative action

GS7. Plan and organize the field operations

GS8. Think through the problem, evaluate the possible solution(s) and take up an optimum /best possible solution(s)

GS9. Apply, analyze, and evaluate the information gathered from observation, experience, reasoning, or communication, as a guide to thought and action

Assessment Criteria:

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Assess different types of safe farming practices	**10**	**10**	**-**	**5**
PC1. Assess the detrimental effects of unsafe farming practices on health and environment	-	-	-	-
PC2. Analyze different kinds of safe farming practices and their characteristics	-	-	-	-

PC3. Assess the pros and cons of conventional farming vs. Organic farming	-	-	-	-
PC4. Examine the core principles and recommended package of practices applicable in organic farming	-	-	-	-
Plan for the transition to organic farming	**05**	**15**	**-**	**5**
PC5. Check out the effects of organic farming on costs and revenue	-	-	-	-
PC6. Estimate the time and effort commitments required for transition to organic farming	-	-	-	-
PC7. Examine the phased approach to be taken to transition to organic farming	-	-	-	-
Plan diversification of the crop portfolio	**05**	**15**	**-**	**5**
PC8. Assess the need for multi-cropping in organic farming	-	-	-	-
PC9. Create feasible crop portfolios	-	-	-	-
PC10. Implement multi-crop projects effectively	-	-	-	-
Plan the crops for the growing season	**05**	**15**	**-**	**5**
PC11. Assess the increased crop vulnerability in organic farming	-	-	-	-
PC12. Identify seasonal stress on various types of crops	-	-	-	-
PC13. Identify right crops for rotation	-	-	-	-
PC14. Create yearly plan	-	-	-	-
NOS Total	**25**	**55**	**-**	**20**

National Occupational Standards (NOS) Parameters

NOS Code	AGR/N1201
NOS Name	Undertake planning for organic farming
Sector	Agriculture
Sub-Sector	Vedic Organic Crop Production
Occupation	Vedic Farm Management
NSQF Level	4
Credits	1
Version	1.0
Last Reviewed Date	
Next Review Date	
NSQC Clearance Date	

AGR/N1202: Carry out seed selection and treatment under organic farming

Description

This unit deals with the selection of the right combination of crops, variety of seed and planting material and its treatment for organic farming.

Scope

The scope covers the following:

- Select the main crop and companion crops
- Select the suitable seed variety
- Carry out seed treatment

Objectives:

- Enhance Seed Health and Vigor
- Prevent Seed-Borne Diseases and Pests
- Improve Crop Establishment and Uniformity
- Enhance Soil Microbial Activity
- Adaptation to Organic Farming Practices

Outcomes:

- Increased Germination and Seedling Survival
- Reduced Dependency on Chemical Inputs
- Enhanced Crop Resilience
- Improved Soil Health
- Sustainable Crop Production

Elements and Performance Criteria

Select the main crop and companion crops:

"Demonstrate climate-smart agricultural practices, including water stress adaptation, carbon farming, mulching, and crop diversification for resilience."

To be competent, the user/individual on the job must be able to:

PC1. Select suitable main crop and its companion crops depending upon the agro-ecological conditions

PC2. Plan for multi-crop planting as intercrops, mixed crop, relay crop or trap crop

PC3. Select the crops to be rotated

PC4. Plan for sowing or planting methodology

Select the suitable seed variety

To be competent, the user/individual on the job must be able to:

PC5. Select pest and disease resistant varieties suitable to the given agro-climatic and soil conditions

PC6. Ensure that seed or planting material is not genetically modified

PC7. Identify vendors for authentic organic seed procurement, if not available on-farm

Carry out seed treatment

To be competent, the user/individual on the job must be able to:

PC8. Identify various bio-inputs that could be used for seed treatment.

PC9. Chalk out seed/planting material treatment plan with bio-inputs such as biofertilizers, bio- pesticides, biostimulants, on-farm made seed protecting aids such as bijamruth, off-farm botanical or organically acceptable chemical alternatives

PC10. Select vendor for the procurement of authentic organic seed treatment inputs

PC11. Prepare bio-inputs for seed treatment in farm: Beejamrith, botanical alternatives etc

PC12. Implement the organic seed treatment process appropriately. We shall prefer open pollinated desi seeds which can be reused for generations. Adopting high yielding varieties which are not genetically modified (GM) is strictly adhered to. A tiny seed bank shall be maintained at the farm site. Seed treatment based on cow-based preparations like Beejamrith, *Trichoderma Viridi* and such other eco-friendly methods are adopted. All batches are tested for germination before taking up for trials in the main field.

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

KU1. Types of cropping system

KU2. Pros and cons of mono-cropping

KU3. Various characteristics of seed with their suitability to the agro-climatic conditions

KU4. Demand of various varieties in the market

KU5. Suitability of seeds to organic farming practices

KU6. Pests and disease resistant varieties

KU7. Acceptable chemical alternatives for seed treatment, their procurement and use

KU8. Various seed treatment inputs available for organic farming and their benefits

KU9. Method of preparation of organic inputs

KU10. Quantity of organic inputs to be applied for seed treatment

KU11. Various seed treatment techniques in different crops

Generic Skills (GS)

User/individual on the job needs to know how to:

GS1. Write in local language to make personal notes and notes for workers

GS2. Read the newspapers, magazines, etc for latest information on new varieties and organic seed treatment methods

GS3. Communicate clearly and effectively with different stakeholders

GS4. Make decisions pertaining to the concerned area of work

GS5. Plan and organize field operations

GS6. Think through the problem, evaluate the possible solution(s) and take up an optimum /best possible solution(s)

GS7. Apply, analyze, and evaluate the information gathered from observation, experience, reasoning, or communication, as a guide to thought and action.

Assessment Criteria:

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Select the main crop and companion crops	**10**	**5**	**-**	**10**
PC1. Select suitable main crop and its companion crops depending upon the agro-ecological conditions	-	-	-	-
PC2. Plan for multi-crop planting as intercrops, mixed crop, relay crop or trap crop	-	-	-	-
PC3. Select the crops to be rotated	-	-	-	-
PC4. Plan for sowing or planting methodology	-	-	-	-
Select the suitable seed variety	**5**	**10**	**-**	**5**
PC5. Select pest and disease resistant varieties suitable to the given agro-climatic and soil conditions	-	-	-	-
PC6. Ensure that seed or planting material is not genetically modified	-	-	-	-
PC7. Identify vendors for authentic organic seed procurement, if not available on-farm	-	-	-	-
Carry out seed treatment	**10**	**30**	**-**	**15**

PC8. Identify various bio-inputs that could be used for seed treatment	-	-	-	-
PC9. Chalk out seed/planting material treatment plan with bio-inputs such as biofertilizers, bio-pesticides, biostimulants, on-farm made seed protecting aids such as bijamruth, off-farm botanical or organically acceptable chemical alternatives	-	-	-	-
PC10. Select vendor for the procurement of authentic organic seed treatment inputs	-	-	-	-
PC11. Prepare bio-inputs for seed treatment in farm: bijamruth, botanical alternatives etc	-	-	-	-
PC12. Implement the organic seed treatment process appropriately	-	-	-	-
NOS Total	**25**	**45**	**-**	**30**

National Occupational Standards (NOS) Parameters:

NOS Code	AGR/N1202
NOS Name	Carry out seed selection and treatment under organic farming
Sector	Agriculture
Sub-Sector	Vedic Organic Crop Production
Occupation	Vedic Farm Management
NSQF Level	4
Credits	1
Version	2.0
Last Reviewed Date	
Next Review Date	
NSQC Clearance Date	

AGR/N1203: Carry out soil nutrient management under organic farming

Description

This unit is about production of various inputs for organic farming and ensuring proper nutrient management for crops under organic farming

Scope

The scope covers the following:

- Carry out soil activation
- Carry out soil enhancement activities

Elements and Performance Criteria

Objectives:

- Enhance Soil Fertility and Structure
- Promote Nutrient Cycling and Microbial Activity
- Optimize Nutrient Availability and Uptake
- Reduce Environmental Pollution
- Maintain Long-Term Soil Health

Outcomes:

- Improved Soil Physical Properties
- Increased Soil Organic Matter and Nutrient Content
- Enhanced Soil Microbial Diversity and Activity
- Sustainable Crop Yields
- Environmental Conservation

Carry out soil activation

To be competent, the user/individual on the job must be able to:

PC1. Assess the quality of top soil

PC2. Identify various methods of activating microbial activity in top soil

PC3. Prepare various organic inputs that can increase soil microbial activity

PC4. Apply soil activating inputs effectively

Carry out soil enhancement activities

To be competent, the user/individual on the job must be able to:

PC5. Coordinate with an authorised lab to get the soil sample tested

PC6. Interpret the details in the Soil Health Card to determine the need for soil amendment and manuring

PC7. Select appropriate crops suitable to the soil condition

PC8. Calculate nutrient needs based on test report and local crop recommendations

PC9. Prepare the land to get appropriate tilth

PC10. Identify various methods adopted in organic farming for building organic matter in soil

PC11. Grow green manure crop and incorporate biomass

PC12. Use farmyard manure and mineral fortified compost

PC13. Use other biomass as mulch or soil cover

PC14. Prepare vermicompost and vermiwash

PC15. Prepare dung-urine slurries

PC16. Prepare biodynamic inputs/compost (bd 500, bd 501, cow pat pit etc)

PC17. Implement various soil enhancement methods effectively, viz. Sanjivak, jivamrth, amritpani for microbial enrichment; vermiwash, panchagavy, cattle dung urine-slurry and protein hydrolysates for growth promotion; green manuring and biomass recycling

PC18. Apply basal dose and top-dressing of nutrients in the farm as per recommended package of practices for organic farming and maintain record of the nutrient application followed in the farm

Soil Organic Carbon (SOC) will be tested and recorded before taking up the crops. Different soil enriching activities such as Cow dung manure, Compost Farmyard Manure (FYM), Sheep manure, Jeevamrith, Ghana Jeevamrith, Vermi compost, Green manuring crops, such as Sunhemp, Sesbonia etc. Will be tried and data recorded for increase in SOC.

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

KU1. Soil physico-chemical and biological properties and their inter-relationship, esp. Soil Organic Carbon (SOC)/Soil Organic Matter (SOM)

KU2. Nutrient deficiency symptoms and their management under organic farming

KU3. Authorized soil testing centers

KU4. Importance of soil testing reports

KU5. How to calculate the nutrient needs on the basis of the soil test report

KU6. Soil salinity/alkalinity/acidity management options under organic farming

KU7. Different methods of conservation agriculture (tillage, residue management, mulching etc.)

KU8. Use of biofertilizers in organic agriculture

KU9. Different organic sources of nutrients

KU10. Types and quantity of inputs needed at different crop stages

KU11. Importance of green manure crops and mulch

KU12. Quality of biomass and stage of harvesting of biomass

KU13. Methods of application, timing and doses of different inputs **KU14.** Various organic soil enhancement methods and their effects

KU15. Authentic vendors for the procurement of soil enhancers and soil activating agents

KU16. Production methodologies for different types of composts and other inputs

KU17. Proper application process and schedule

KU18. Various soil activating inputs (jeevamrut, farmyard manure etc.)

KU19. Preparation methodology for soil activating agents

KU20. Proper application process and schedule for soil activating agents

KU21. Planning for green manuring and biomass recycling methods and strategies

KU22. How to prepare nutrient packages with available resources

Generic Skills (GS)

User/individual on the job needs to know how to:

GS1. Write in local language to make personal notes and notes for workers

GS2. Read newspapers, magazines, etc. For the latest information on soil nutrient management under organic farming

GS3. Communicate effectively with the stakeholders

GS4. Make decisions pertaining to the concerned area of work

GS5. Think through the problem, evaluate the possible solution(s) and take up an optimum /best possible solution(s)

GS6. Apply, analyze, and evaluate the information gathered from observation, experience, reasoning, or communication, as a guide to thought and action

Assessment Criteria:

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Carry out soil activation	**10**	**10**	**-**	**10**
PC1. Assess the quality of top soil	-	-	-	-
PC2. Identify various methods of activating microbial activity in top soil	-	-	-	-
PC3. Prepare various organic inputs that can increase soil microbial activity	-	-	-	-
PC4. Apply soil activating inputs effectively	-	-	-	-
Carry out soil enhancement activities	**15**	**35**	**-**	**20**
PC5. Coordinate with an authorized lab to get the soil sample tested	-	-	-	-

PC6. Interpret the details in the Soil Health Card to determine the need for soil amendment and manuring	-	-	-	-
PC7. Select appropriate crops suitable to the soil condition	-	-	-	-
PC8. Calculate nutrient needs based on test report and local crop recommendations	-	-	-	-
PC9. Prepare the land to get appropriate tilth	-	-	-	-
PC10. Identify various methods adopted in organic farming for building organic matter in soil	-	-	-	-
PC11. Grow green manure crop and incorporate biomass	-	-	-	-
PC12. Use farmyard manure and mineral fortified compost	-	-	-	-
PC13. Use other biomass as mulch or soil cover	-	-	-	-
PC14. Prepare vermicompost and vermiwash	-	-	-	-
PC15. Prepare dung-urine slurries	-	-	-	-
PC16. Prepare biodynamic inputs/compost (bd 500, bd 501, cow pat pit etc)	-	-	-	-
PC17. Implement various soil enhancement methods effectively, viz. Sanjivak, jivamrth, amritpani for microbial enrichment; vermiwash, panchagavy, cattle dung urine-slurry and protein hydrolysates for growth promotion; green manuring and biomass recycling	-	-	-	-
PC18. Apply basal dose and top-dressing of nutrients in the farm as per recommended package of practices for organic farming and maintain record of the nutrient application followed in the farm	-	-	-	-
NOS Total	**25**	**45**	**-**	**30**

National Occupational Standards (NOS) Parameters:

NOS Code	AGR/N1203

NOS Name	Carry out soil nutrient management under organic farming
Sector	Agriculture
Sub-Sector	Vedic Organic Crop Production
Occupation	Vedic Farm Management
NSQF Level	4
Credits	1
Version	2.0
Last Reviewed Date	
Next Review Date	
NSQC Clearance Date	

AGR/N1204: Carry out weed management in an organic farm

Description

This unit is about controlling weeds in an organic farm

Scope

The scope covers the following:

- Identification of weeds
- Weed management

Objectives:

- Reduce Weed Competition to Tolerable Levels
- Enhance Crop Competitiveness
- Prevent Weed Seed Production
- Maintain Soil Health and Biodiversity
- Shift Weed Community Composition

Outcomes:

- Improved Crop Yields
- Enhanced Soil Fertility and Structure
- Reduced Environmental Impact
- Increased Biodiversity
- Sustainable Farming Practices

Elements and Performance Criteria

Identification of weeds

To be competent, the user/individual on the job must be able to:

PC1. Inspect the field periodically and assess the impact of weeds on crop production and quality

PC2. Identify the types of weeds in the crop as against the growth stage of the crop

PC3. Maintain records of the weed and share it with experts, if needed

Weed Management

To be competent, the user/individual on the job must be able to:

PC4. Follow appropriate preventative methods to prevent weeds

PC5. Follow suitable cultural methods to control weeds

PC6. Carry out mechanical/manual weeding process at appropriate stage to avoid crop damage

PC7. Use mulching sheets for cultivation

PC8. Use bio-herbicides for weed control, wherever feasible. Weeds are maintained by adopting different methods such as manual weeding, mulching with used gunny bags, bullocks, live mulching with companion or crops based on the variety of crops will be

Adopted.

Knowledge and Understanding (KU)
The individual on the job needs to know and understand:

KU1. Various types of weeds

KU2. Standards regarding plant quarantine

KU3. Different weed control methods- preventative, cultural, mechanical, biological

KU4. Advantages and disadvantages of different types of weeding methods

KU5. Critical stages of weed control

KU6. How to use bio-herbicides

Generic Skills (GS)
User/individual on the job needs to know how to:

GS1. Track latest development in weed management by reading newspaper, brochures,magazines

GS2. Communicate clearly and effectively with other organic farmers, concerned officers/stakeholders.

GS3. Make decisions pertaining to the concerned area of work.

GS4. Identify problems that may arise in carrying out tasks and take preventative action.

GS5. Organize meetings / demonstrations with agricultural departments, whenever necessary. **GS6.** Manage relationships with laborers and other co-farmers.

GS7. Think through the problem, evaluate the possible solution(s) and take up an optimum /best possible solution(s).

GS8. Apply, analyze, and evaluate the information gathered from observation, experience, reasoning, or communication, as a guide to thought and action.

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Identification of weeds	**10**	**15**	**-**	**10**
PC1. Inspect the field periodically and assess the impact of weeds on crop production and quality	-	-	-	-
PC2. Identify the types of weeds in the crop as against the growth stage of the crop	-	-	-	-
PC3. Maintain records of the weed and share it with experts, if needed	-	-	-	-
Weed Management	**15**	**30**	**-**	**20**

PC4. Follow appropriate preventative methods to prevent weeds	-	-	-	-
PC5. Follow suitable cultural methods to control weeds	-	-	-	-
PC6. Carry out mechanical/manual weeding process at appropriate stage to avoid crop damage	-	-	-	-
PC7. Use mulching sheets for cultivation	-	-	-	-
PC8. Use bio-herbicides for weed control, wherever feasible	-	-	-	-
NOS Total	**25**	**45**	**-**	**30**

National Occupational Standards (NOS) Parameters

NOS Code	AGR/N1204
NOS Name	Carry out weed management in an organic farm
Sector	Agriculture
Sub-Sector	Vedic organic Crop Production
Occupation	Vedic Farm Management
NSQF Level	4
Credits	0.5
Version	2.0
Last Reviewed Date	
Next Review Date	
NSQC Clearance Date	

AGR/N1205: Carry out irrigation management in an organic farm

Description
This unit is about irrigation management in an organic farm

Scope
The scope covers the following:

- Select the appropriate irrigation method
- Ensure proper irrigation

Objectives:

- Optimize Water Use Efficiency
- Enhance Soil Water-Holding Capacity
- Reduce Water Waste and Environmental Impact
- Promote Crop Health and Resilience
- Conserve Water Resources

Outcomes:

- Improved Crop Yields and Quality
- Enhanced Soil Fertility and Structure
- Reduced Water Consumption and Costs
- Minimized Environmental Impact
- Increased Farm Sustainability

Elements and Performance Criteria
Select the appropriate irrigation method

To be competent, the user/individual on the job must be able to:

PC1. Coordinate with an authorised lab to get the water sample tested

PC2. Select the suitable irrigation method in consultation with the expert *Ensure proper Irrigation*

To be competent, the user/individual on the job must be able to:

PC3. Ensure adequate water supply at various life stages of the crop

PC4. Implement measures to ensure optimum water use efficiency

PC5. Ensure proper water drainage

PC6. Use micro-irrigation techniques (example: drip irrigation using appropriate equipment, Sprinklers) based on the requirement of specific crops.

PC7. Ensure measures to prevent diseases occurring due to increase in moisture/water content.

PC8. Plug spills/leakages in irrigation system and take support of the experts, if unable to rectify.

PC9. Optimize usage of electricity/energy in various tasks/activities/processes. To control weeds and better management of crops, advanced methods of Drip Irrigation, sprinklers, rain guns are adopted to avoid flooding of crops. Ridges and furrows are formed to minimize irrigation water and to drain out excess water on rainy days.

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

KU1. Types of irrigation systems.

KU2. Advantages and disadvantages of different types of irrigation system**.**

KU3. Timing and method of irrigation appropriate for a given soil type and climatic conditions.

KU4. Quantity of water required for the specific crop and its effect on its yield.

KU5. Frequency of irrigation required at various stages of plant growth.

KU6. Water quality metrics.

KU7. Various types of micro irrigation equipment to be used (misters, drippers, sprinklers, foggers, etc).

KU8. Water use efficiency in relation to crop production.

KU9. Common practices of conserving electricity/energy.

Generic Skills (GS)

User/individual on the job needs to know how to:

GS1. Track latest development in irrigation management by reading newspaper, brochures, magazines, etc.

GS2. Communicate clearly and effectively with other organic farmers, concerned officers/stakeholders.

GS3. Make decisions pertaining to the concerned area of work.

GS4. Identify problems that may arise in carrying out tasks and take preventative action

GS5. Manage relationships with laborers and other co-farmers.

GS6. Think through the problem, evaluate the possible solution(s) and take up an optimum /best possible solution(s).

GS7. Apply, analyze, and evaluate the information gathered from observation, experience, reasoning, or communication, as a guide to thought and action.

Assessment Criteria:

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Select the appropriate irrigation method	**10**	**10**	**-**	**5**
PC1. Coordinate with an authorized lab to get the water sample tested	-	-	-	-
PC2. Select the suitable irrigation method in consultation with the expert	-	-	-	-
Ensure proper Irrigation	**15**	**35**	**-**	**25**

PC3. Ensure adequate water supply at various life stages of the crop	-	-	-	-
PC4. Implement measures to ensure optimum water use efficiency	-	-	-	-
PC5. Ensure proper water drainage	-	-	-	-
PC6. Use micro-irrigation techniques (example: drip irrigation using appropriate equipment, sprinklers) based on the requirement of specific crops	-	-	-	-
PC7. Ensure measures to prevent diseases occurring due to increase in moisture/water content	-	-	-	-
PC8. Plug spills/leakages in irrigation system and take support of the experts, if unable to rectify	-	-	-	-
PC9. Optimize usage of electricity/energy in various tasks/activities/processes	-	-	-	-
NOS Total	**25**	**45**	**-**	**30**

National Occupational Standards (NOS) Parameters

NOS Code	AGR/N1205
NOS Name	Carry out irrigation management in an organic farm
Sector	Agriculture
Sub-Sector	Vedic Organic Crop Production
Occupation	Vedic Farm Management
NSQF Level	4
Credits	0.5
Version	2.0
Last Reviewed Date	
Next Review Date	
NSQC Clearance Date	

AGR/N1206: Integrated pest and disease management in an organic farm

Description
This unit deals with the integrated pest and disease management in an organic farm.

Scope
The scope covers the following:

- Identify pests and diseases damaging the crop
- Follow preventive and curative methods to manage pests and diseases

Objectives:

- Prevent Pest and Disease Outbreaks
- Enhance Biodiversity
- Reduce Chemical Dependency
- Optimize Pest Control Strategies
- Promote Sustainable Farming Practices

Outcomes:

- Increased Crop Yields and Quality
- Enhanced Soil Fertility and Structure
- Reduced Environmental Impact
- Economic Benefits
- Improved Consumer Health and Safety

Elements and Performance Criteria

Identify pests and diseases damaging the crop

To be competent, the user/individual on the job must be able to:

PC1. Identify different types of pests

PC2. Identify stages of crop and pest incidence

PC3. Diagnose symptoms and extent of damage.

PC4. Identify the diseases in the crop.

PC5. Identify crop stages and disease incidence and prepare disease calendar.

PC6. Identify early symptoms of various types of diseases.

PC7. Assess the mode of transmissions of disease such as implements, vectors, water, rain, wind etc.

Follow preventive and curative methods to manage pests and diseases.

To be competent, the user/individual on the job must be able to:

PC8. Select and use local and resistant varieties.

PC9. Carry out pruning of plant if affected by diseases (if need arises).

PC10. Perform crop rotation with suitable and recommended crops.

PC11. Select suitable crop combinations as intercrops, border crops and trap crops.

PC12. Carry out deep ploughing in summer, maintain field sanitation and destroy infested plant debris.

PC13. Manage crop residues especially the pest infected plant parts along with weeds and alternate hosts.

PC14. Perform mulching.

PC15. Perform mechanical/manual weeding as and when required.

PC16. Use various types of traps (mechanical and manual).

PC17. Employ natural enemies and biological agents against the pest such as lady bird, ground beetles etc.

PC18. Release beneficial insects.

PC19. Use hoverfly and adopt them for pest control.

PC20. Identify various types of bio-pesticides and their vendors.

PC21. Prepare different bio-pesticides at farm.

PC22. Use various botanical extracts for different types of pest and diseases.

PC23. Apply recommended dose of bio-inputs at appropriate time and interval.

PC24. Use chemical alternatives acceptable in organic farming in the recommended dose and at appropriate time.

PC25. Employ Indigenous Technical/Traditional Knowledge (ITK) related to plant protection

Integrated pest and disease management (IPM) will be adopted with the utmost care by using fermone traps, sticky sheets and catch crops to attract the pests. Mixed crops with companion crops of symbiotic nature are adopted. Periodic spray schedule will be followed keen observation is maintained to identify the harmful pest load verses beneficial pests.

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

KU1. Seasonal infestation /incidence/ severity of pest and diseases

KU2. Mixed cropping techniques and trap crops for pests

KU3. Local landraces, germplasm and resistant varieties available for the specific crop

KU4. Management practices of crop residues especially the pest infected plant parts along with weeds and alternate hosts

KU5. Natural enemies of pests

KU6. Various mechanical control (traps, sticky plates etc)

KU7. Advantages of biological control of insects, pest & diseases

KU8. Potential bio-control agents against soil borne and foliar pathogens

KU9. Local strains of bio-control agents for disease management

KU10. Bio-pesticides, preparation and application

KU11. Organically permitted insecticides/fungicides and their restricted applications

KU12. Dose, time of application and mode of application of the bio control agents and other permitted fungicides

KU13. Record keeping system

KU14. Safety measures and first aid

KU15. Tools and equipment used in plant protection

KU16. Documentation of Indigenous Technical/Traditional Knowledge (ITK)

Generic Skills (GS)

User/individual on the job needs to know how to:

GS1. Track latest development in pest and disease management by reading newspaper, brochures, magazines, etc.

GS2. Maintain effective working relationships

GS3. Communicate clearly and effectively with other organic farmers, concerned officers/stakeholders.

GS4. Make decisions pertaining to the concerned area of work.

GS5. Identify problems that may arise in carrying out tasks and take preventative action

GS6. Organize meetings / demonstrations with agricultural departments whenever necessary

GS7. Plan and organize integrated insect/pest/disease management

GS8. Manage relationships with laborers and other co-farmers

GS9. Think through the problem, evaluate the possible solution(s) and take up an optimum /best possible solution(s)

GS10. Apply, analyze, and evaluate the information gathered from observation, experience, reasoning, or communication, as a guide to thought and action

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Identify pests and diseases damaging the crop	**10**	**15**	**-**	**10**
PC1. Identify different types of pests	-	-	-	-
PC2. Identify stages of crop and pest incidence	-	-	-	-

PC3. Diagnose symptoms and extent of damage	-	-	-	-
PC4. Identify the diseases in the crop	-	-	-	-
PC5. Identify crop stages and disease incidence and prepare disease calendar	-	-	-	-
PC6. Identify early symptoms of various types of diseases	-	-	-	-
PC7. Assess the mode of transmissions of disease such as implements, vectors, water, rain, wind etc	-	-	-	-
Follow preventive and curative methods to manage pests and diseases	**15**	**30**	**-**	**20**
PC8. Select and use local and resistant varieties	-	-	-	-
PC9. Carry out pruning of plant if affected by diseases (if need arises)	-	-	-	-
PC10. Perform crop rotation with suitable and recommended crops	-	-	-	-
PC11. Select suitable crop combinations as intercrops, border crops and trap crops	-	-	-	-
PC12. Carry out deep ploughing in summer, maintain field sanitation and destroy infested plant debris	-	-	-	-
PC13. Manage crop residues especially the pest infected plant parts along with weeds and alternate hosts	-	-	-	-
PC14. Perform mulching	-	-	-	-
PC15. Perform mechanical/manual weeding as and when required	-	-	-	-
PC16. Use various types of traps (mechanical and manual)	-	-	-	-
PC17. Employ natural enemies and biological agents against the pest such as lady bird, ground beetles etc	-	-	-	-
PC18. Release beneficial insects	-	-	-	-
PC19. Use hoverfly and adopt them for pest control	-	-	-	-

PC20. Identify various types of bio-pesticides and their vendors	-	-	-	-
PC21. Prepare different bio-pesticides at farm	-	-	-	-
PC22. Use various botanical extracts for different types of pest and diseases	-	-	-	-
PC23. Apply recommended dose of bio-inputs at appropriate time and interval	-	-	-	-
PC24. Use chemical alternatives acceptable in organic farming in the recommended dose and at appropriate time.	-	-	-	-
PC25. Employ Indigenous Technical/Traditional Knowledge (ITK) related to plant protection	-	-	-	-
NOS Total	**25**	**45**	**-**	**30**

National Occupational Standards (NOS) Parameters

NOS Code	AGR/N1206
NOS Name	Integrated pest and disease management in an organic farm
Sector	Agriculture
Sub-Sector	Vedic Organic Crop Production
Occupation	Vedic Farm Management
NSQF Level	4
Credits	1
Version	2.0
Last Reviewed Date	
Next Review Date	
NSQC Clearance Date	

AGR/N1207: Carry out harvest and post-harvest management in an organic farm

Description

This unit is about harvest and post-harvest management of produce under organic farming

Scope

The scope covers the following:

- Carry out harvesting activities
- Storage and post-harvest management

Objectives:

- Minimize Post-Harvest Losses
- Preserve Quality and Nutritional Value
- Ensure Food Safety
- Enhance Marketability
- Comply with Organic Standards

Outcomes:

- Reduced Economic Losses
- Extended Shelf Life
- Improved Consumer Satisfaction
- Access to Broader Markets
- Sustainable Farming Practices

Elements and Performance Criteria

Carry out harvesting activities

To be competent, the user/individual on the job must be able to:

PC1. Identify the appropriate harvesting method for the crop

PC2. Harvest the crop at the appropriate stage and time based on use and distance from the Market.

Storage and post-harvest management

To be competent, the user/individual on the job must be able to:

PC3. Carry out sorting and grading of the crops

PC4. Store organic produce as per the storage requirements of the crop

PC5. Select and use organically acceptable fumigation systems during storage

PC6. Use cold storage facility for crop storage as per recommended practices

PC7. Carry out packaging as per the requirement of the client/buyer

PC8. Transport the organic produce as detailed by the client/buyer

PC9. Carry out marketing of the crop

PC10. Carry out further value-addition of the produce, if required

PC11. Optimize usage of resources/inputs including water and electricity in various tasks/activities/processes

PC12. Segregate waste into different categories

PC13. Dispose non-recyclable waste appropriately

PC14. Deposit recyclable and reusable material at identified location

Scheduling timely harvests for different vegetable crops and fruit crops and store them in proper condition and dispose them as per pre-orders and post-harvest. Storage methods like sun drying, storing in cool dry places with minimum technology and to avoid pest damage will be adopted.

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

KU1. Harvesting based on demand of type in the market

KU2. Ideal time of harvest based on the climatic conditions, distance from the market, etc.

KU3. Proper harvesting methods

KU4. Grading of crop based on size, color and quality

KU5. Tools used for harvesting, sorting and grading

KU6. Methods of preservation and use of permissible preservatives

KU7. Types of packaging material used for different produce

KU8. Method of packaging of produce including shrink-wrap packaging, edible wax, organic packaging etc.

KU9. Appropriate transport and carrier container for various produce

KU10. Kinds of warehouses, cold storage for the produce

KU11. Commodity specific storage requirements

KU12. Low-cost storage methods

KU13. Market rates of the crop

KU14. Type, kind and scale of value-addition of the produce

KU15. Organic processing technologies

KU16. Ways of efficiently managing inputs including water and electricity in the process

KU17. Waste management and methods of waste

Generic Skills (GS)

User/individual on the job needs to know how to:

GS1. Track the latest development in organic farming by reading the newspapers, magazines, books, etc

GS2. Maintain effective working relationships

GS3. Communicate clearly and effectively with other organic farmers, concerned officers/stakeholders

GS4. Make decisions pertaining to the concerned area of work

GS5. Identify problems that may arise in carrying out tasks and take preventative action

GS6. Plan and organize harvest and post-harvest activities for different crops

GS7. Organize meetings / demonstrations with agricultural departments, whenever necessary

GS8. Think through the problem, evaluate the possible solution(s) and take up an optimum /best possible solution(s)

GS9. Apply, analyze, and evaluate the information gathered from observation, experience, reasoning, or communication, as a guide to thought and action

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Carry out harvesting activities	**10**	**10**	**-**	**10**
PC1. Identify the appropriate harvesting method for the crop	-	-	-	-
PC2. Harvest the crop at the appropriate stage and time based on use and distance from the market	-	-	-	-
Storage and post-harvest management	**15**	**30**	**-**	**20**
PC3. Carry out sorting and grading of the crops	-	-	-	-
PC4. Store organic produce as per the storage requirements of the crop	-	-	-	-
PC5. Select and use organically acceptable fumigation systems during storage	-	-	-	-
PC6. Use cold storage facility for crop storage as per recommended practices	-	-	-	-
PC7. Carry out packaging as per the requirement of the client/buyer	-	-	-	-
PC8. Transport the organic produce as detailed by the client/buyer	-	-	-	-
PC9. Carry out marketing of the crop	-	-	-	-

PC10. Carry out further value-addition of the produce, if required	-	-	-	-
PC11. Optimize usage of resources/inputs including water and electricity in various tasks /activities /processes.	-	-	-	-
PC12. Segregate waste into different categories	-	-	-	-
PC13. Dispose non-recyclable waste appropriately	-	-	-	-
PC14. Deposit recyclable and reusable material at identified location	-	-	-	-
NOS Total	**25**	**40**	**-**	**35**

National Occupational Standards (NOS) Parameters

NOS Code	AGR/N1207
NOS Name	Carry out harvest and post-harvest management in an organic farm
Sector	Agriculture
Sub-Sector	Vedic Organic Crop Production
Occupation	Vedic Farm Management
NSQF Level	4
Credits	1
Version	2.0
Last Reviewed Date	
Next Review Date	
NSQC Clearance Date	

AGR/N1208: Undertake quality assurance and certification in organic farming

Description

This unit is about quality assurance and certification required in organic farming.

Scope

The scope covers the following:

- Third Party Certification (TPC) process
- Risk management in compliance of standards
- Participatory Guarantee System (PGS)
- Documentation in third party and PGS certification
- Documentation for sale of organic produce and traceability

Objectives:

- Ensure Compliance with Organic Standards
- Maintain Product Integrity
- Enhance Traceability and Transparency
- Promote Continuous Improvement
- Facilitate Market Access

Outcomes:

- Access to Premium Markets
- Increased Consumer Trust
- Improved Farming Practices
- Enhanced Brand Reputation
- Eligibility for Government Support

Elements and Performance Criteria

Third Party Certification (TPC) process

To be competent, the user/individual on the job must be able to:

PC1. Identify different types of certifications available for organic produce: third party certification and participatory guarantee systems

PC2. Identify procedures and timelines for applying for certification

PC3. Carry out quality checks (one-time and recurring) for obtaining and maintaining certification

PC4. Assess the organic standards in detail for every aspect of farming, including storage, transport and sale

PC5. Comply with the standards related to farm facilities and production methods

PC6. Maintain detailed farm history and current set-up, including results of soil and water tests

PC7. Register online for Third Party Certification

PC8. Submit application to the certification agency in the prescribed format with necessary farm and process details

PC9. Submit a written annual production plan detailing everything from seed to sale: seed sources, field and crop locations, fertilization and pest control activities, harvest methods, storage locations, etc

PC10. Prepare agreement and get it signed with the certification body

PC11. Comply with the standards recommended by the certification body

PC12. Undertake payment process electronically to the certification body

PC13. Schedule annual on-farm inspections with concerned authority/agency

PC14. Maintain day-to-day farming and marketing records, covering all activities

PC15. Make available the documents and records for inspection as and when required

PC16. Comply to non-compliances, if any raised by the certification body

PC17. Follow-up for certification after the inspection

PC18. Release the stock for sale with certification mark (india organic logo) only after certification is granted

Risk management in compliance of standards

To be competent, the user/individual on the job must be able to:

PC19. Assess the procedure for risk assessment

PC20. Carry out parallel and split production, part conversion

PC21. Use machine tools averting contamination **PC22.** Use uncontaminated water for irrigation

PC23. Prevent water and air drift contamination

PC24. Document risk management initiatives *Participatory Guarantee System (PGS)*
To be competent, the user/individual on the job must be able to:

PC25. Examine the details of the PGS certification system

PC26. Comply to to the basic requirements for PGS group formation

PC27. Register as local group on PGS portal

PC28. Maintain documentation for group making, PGS pledge, etc

PC29. Follow the PGS standards

PC30. Maintain transparency in farm operation and certification

Documentation in third party and PGS certification

To be competent, the user/individual on the job must be able to:

PC31. Analyze the basic documentation on field history

PC32. Maintain field/ farm diary

PC33. Maintain internal inspection sheets and peer appraisals

PC34. Plan and execute external audit and peer appraisals

PC35. Analyze external inspection and peer appraisals report, and make decisions accordingly

PC36. Submit season end summary sheet with certification decisions to the regional council and revision of decision, if required in PGS

PC37. Take the certification decision

PC38. Distribute scope certificate

Documentation for sale of organic produce and traceability

To be competent, the user/individual on the job must be able to:

PC39. Assess the process of production trail for traceability

PC40. Maintain documents for traceability

PC41. Use transaction certificates for sale

PC42. Ensure traceability in TPC/PGS as per specified standard norms Contacting local organic certification agencies, educating the farmers about its importance, and group certification agencies will be involved. Records are maintained as per the rules of certifying agencies

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

KU1. Systems of TPC and PGS

KU2. National standards on organic production (NSOP)

KU3. Organic standards framed by BIS

KU4. Need of organic certification

KU5. Government interventions/initiatives dealing with quality assurance and certification

KU6. Various online certification platforms

KU7. Procedures in TPC and PGS

KU8. Benefits and limitations of TPC and PGS

KU9. Documentation and external audit required for organic farming

KU10. Standards and norms of storage and packaging like FSSAI, Agmark, Jaivik Bharat logo, etc

KU11. Risk management in compliance of standards

KU12. Process of certification and traceability of the produce

KU13. Peer appraisal process

Generic Skills (GS)

User/individual on the job needs to know how to:

GS1. Write application letter in English or local language

GS2. Track the latest development related to organic produce certification and sale guidelines by reading the newspapers, magazines, books, etc

GS3. Use various electronic media platforms to get the latest update on organic farming

GS4. Maintain effective working relationships

GS5. Communicate clearly and effectively with other organic farmers, concerned officers/stakeholders

GS6. Comprehend information shard by the experts

GS7. Make decisions pertaining to the concerned area of work

GS8. Identify problems that may arise in carrying out tasks and take preventative action

GS9. Organize meetings / demonstrations with agricultural departments, whenever necessary

GS10. Think through the problem, evaluate the possible solution(s) and take up an optimum /best possible solution(s)

GS11. Apply, analyze, and evaluate the information gathered from observation, experience, reasoning, or communication, as a guide to thought and action

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Third Party Certification (TPC) process	**10**	**10**	**-**	**10**
PC1. Identify different types of certifications available for organic produce: third party certification and participatory guarantee systems	-	-	-	-
PC2. Identify procedures and timelines for applying for certification	-	-	-	-
PC3. Carry out quality checks (one-time and recurring) for obtaining and maintaining certification	-	-	-	-
PC4. Assess the organic standards in detail for every aspect of farming, including storage, transport and sale	-	-	-	-
PC5. Comply with the standards related to farm facilities and production methods	-	-	-	-
PC6. Maintain detailed farm history and current set-up, including results of soil and water tests	-	-	-	-
PC7. Register online for Third Party Certification	-	-	-	-
PC8. Submit application to the certification agency in the prescribed format with necessary farm and process details	-	-	-	-

PC9. Submit a written annual production plan detailing everything from seed to sale: seed sources, field and crop locations, fertilization and pest control activities, harvest methods, storage locations, etc.	-	-	-	-
PC10. Prepare agreement and get it signed with the certification body	-	-	-	-
PC11. Comply with the standards recommended by the certification body	-	-	-	-
PC12. Undertake payment process electronically to the certification body	-	-	-	-
PC13. Schedule annual on-farm inspections with concerned authority/agency	-	-	-	-
PC14. Maintain day-to-day farming and marketing records, covering all activities	-	-	-	-
PC15. Make available the documents and records for inspection as and when required	-	-	-	-
PC16. Comply to non-compliances, if any raised by the certification body	-	-	-	-
PC17. Follow-up for certification after the inspection	-	-	-	-
PC18. Release the stock for sale with certification mark (India organic logo) only after certification is granted	-	-	-	-
Risk management in compliance of standards	**05**	**15**	**-**	**10**
PC19. Assess the procedure for risk assessment	-	-	-	-
PC20. Carry out parallel and split production, part conversion	-	-	-	-
PC21. Use machine tools averting contamination	-	-	-	-
PC22. Use uncontaminated water for irrigation	-	-	-	-
PC23. Prevent water and air drift contamination	-	-	-	-
PC24. Document risk management initiatives	-	-	-	-
Participatory Guarantee System (PGS)	**10**	**15**	**-**	**10**
PC25. Examine the details of the PGS certification system	-	-	-	-
PC26. Comply to to the basic requirements for PGS group formation	-	-	-	-
PC27. Register as local group on PGS portal	-	-	-	-

PC28. Maintain documentation for group making, PGS pledge, etc	-	-	-	-
PC29. Follow the PGS standards	-	-	-	-
PC30. Maintain transparency in farm operation and certification	-	-	-	-
Documentation in third party and PGS certification	**10**	**10**	**-**	**10**
PC31. Analyze the basic documentation on field history	-	-	-	-
PC32. Maintain field/ farm diary	-	-	-	-
PC33. Maintain internal inspection sheets and peer appraisals	-	-	-	-
PC34. Plan and execute external audit and peer appraisals	-	-	-	-
PC35. Analyze external inspection and peer appraisals report, and make decisions accordingly	-	-	-	-
PC36. Submit season end summary sheet with certification decisions to the regional council and revision of decision, if required in PGS	-	-	-	-
PC37. Take the certification decision	-	-	-	-
PC38. Distribute scope certificate	-	-	-	-
Documentation for sale of organic produce and traceability	**10**	**10**	**-**	**10**
PC39. Assess the process of production trail for traceability	-	-	-	-
PC40. Maintain documents for traceability	-	-	-	-
PC41. Use transaction certificates for sale	-	-	-	-
PC42. Ensure traceability in TPC/PGS as per specified standard norms	-	-	-	-
NOS Total	**40**	**60**	**-**	**50**

National Occupational Standards (NOS) Parameters

NOS Code	AGR/N1208
NOS Name	Undertake quality assurance and certification in organic farming
Sector	Agriculture
Sub-Sector	Vedic Organic Crop Production
Occupation	Vedic Farm Management
NSQF Level	4
Credits	1

Version	2.0
Last Reviewed Date	
Next Review Date	
NSQC Clearance Date	

AGR/N1209: Undertake business of organic farming

Description
This unit is about different business opportunities and requirements for the sale of organic produce.

Scope
The scope covers the following:

- Assess the economics of organic farming
- Connect with the market and access market intelligence
- Attempt direct marketing

Objectives:

- Produce High-Quality, Chemical-Free Crops
- Enhance Soil Health and Sustainability
- Meet Growing Consumer Demand for Organic Products
- Achieve Certification and Access Premium Markets.
- Diversify Income Streams and Reduce Dependency on External Inputs

Outcomes:

- Increased Profitability
- Access to Expanding Markets
- Community Engagement and Job Creation
- Improved Environmental Impact
- Enhanced Brand Reputation and Consumer Loyalty

"Encourage collective farmer groups, SHG integration, and establishment of village-level demonstration farms to strengthen organic farming adoption."

Elements and Performance Criteria
Assess the economics of organic farming
To be competent, the user/individual on the job must be able to:

PC1. Assess the cost and revenue trends in organic farming

PC2. Examine the cost-benefit analysis of a phased organic farming plan

PC3. Gather the details of government subsidies and benefits available for organic farming

Connect with the market and access market intelligence

To be competent, the user/individual on the job must be able to:

PC4. Carry out farm-level value addition

PC5. Carry out collective marketing by farmer groups for better price and reach

PC6. Analyze branding advantages of the organic produce

PC7. Identify major channels for sales of organic produce including physical and online

PC8. Maintain networking with retail chains and bulk buyers

PC9. Create direct connect with consumers

PC10. Use online market intelligence tools

PC11. Access market intelligence and demand for organic produce and plan accordingly

PC12. Build consumer awareness on the specialty of the produce

PC13. Assess the consumers choice in quality and packaging

PC14. Plan export-oriented strategy vs local demand

PC15. Analyze own strengths and focus on them

Attempt direct marketing

To be competent, the user/individual on the job must be able to:

PC16. Target consumer based on SEC segmentation

PC17. Organize local hats for the organic produce

PC18. Release publicity literature and campaigns

PC19. Provide information on quality and benefits of organic foods

PC20. Perform quality procedures and documentation

PC21. Keep presence in an area for long term and explore other areas as well for the sale of the produce

PC22. Convince consumers to register for regular supplies

PC23. Create a system for weekly supplies in box Advertising the importance of health benefits by using organic foods, pitching them scientific methods, reaching out to big communities, making groups in social media, conducting organic mela and educating masses is undertaken with utmost importance.

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

KU1. Basic accounting such as calculating expenditure incurred, total cost of production

KU2. Revenue trends in organic farming

KU3. Break-even analysis of the business of organic farming

KU4. Relevant regulations related to marketing and sale of the organic produce

KU5. Various subsidies/funds offered by the Government, authorized state units and other financial institutions involved with the promotion and sale of organic produce

KU6. Market trends and consumers choices related to organic produce

KU7. Market intelligence-based strategy

KU8. Various channels of trading the produce, including e-trading platforms, and their margin of profit

KU9. Long term planning for connecting with the consumers

KU10. Channels for disseminating the benefits of organic food **KU11.** Organic produce market demand and prices

KU12. Major branding methods of organic produce

KU13. Major retailers, wholesalers, exporters, processing facilities, co-operatives and online marketplaces for organic produce

KU14. Individual vs group marketing long term benefits

Generic Skills (GS)

User/individual on the job needs to know how to:

GS1. Record marketing activities, schedules, etc. In logs, registers, etc. In English and/or local language

GS2. Communicate clearly and effectively with other organic farmers, exporters, consumers, concerned officers/stakeholders

GS3. Seek clarification from the concerned authority when faced with difficult decisions

GS4. Make decisions pertaining to the concerned area of work

GS5. Identify problems that may arise in carrying out tasks and take preventative action

GS6. Plan for activities necessary for the marketing and selling of the produce

GS7. Maintain customer centricity

GS8. Think through the problem, evaluate the possible solution(s) and take up an optimum /best possible solution(s)

GS9. Identify problems immediately and take up solutions quickly to resolve delays

GS10. Apply, analyze, and evaluate the information gathered from observation, experience, reasoning, or communication, as a guide to thought and action

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Assess the economics of organic farming	**10**	**10**	**-**	**5**
PC1. Assess the cost and revenue trends in organic farming	-	-	-	-
PC2. Examine the cost-benefit analysis of a phased organic farming plan	-	-	-	-
PC3. Gather the details of government subsidies and benefits available for organic farming	-	-	-	-
Connect with the market and access market intelligence	**10**	**20**	**-**	**20**
PC4. Carry out farm-level value addition	-	-	-	-
PC5. Carry out collective marketing by farmer groups for better price and reach	-	-	-	-
PC6. Analyze branding advantages of the organic produce	-	-	-	-
PC7. Identify major channels for sales of organic produce including physical and online	-	-	-	-
PC8. Maintain networking with retail chains and bulk buyers	-	-	-	-
PC9. Create direct connect with consumers	-	-	-	-
PC10. Use online market intelligence tools	-	-	-	-
PC11. Access market intelligence and demand for organic produce and plan accordingly	-	-	-	-
PC12. Build consumer awareness on the speciality of the produce	-	-	-	-
PC13. Assess the consumers choice in quality and packaging	-	-	-	-
PC14. Plan export-oriented strategy vs local demand	-	-	-	-
PC15. Analyze own strengths and focus on them	-	-	-	-
Attempt direct marketing	**5**	**10**	**-**	**10**
PC16. Target consumer based on SEC segmentation	-	-	-	-
PC17. Organize local haats for the organic produce	-	-	-	-
PC18. Release publicity literature and campaigns	-	-	-	-
PC19. Provide information on quality and benefits of organic foods	-	-	-	-
PC20. Perform quality procedures and documentation	-	-	-	-
PC21. Keep presence in an area for long term and explore other areas as well for the sale of the	-	-	-	-

produce				
PC22. Convince consumers to register for regular supplies	-	-	-	-
PC23. Create a system for weekly supplies in box	-	-	-	-
NOS Total	**25**	**40**	**-**	**35**

National Occupational Standards (NOS) Parameters

NOS Code	AGR/N1209
NOS Name	Undertake business of organic farming
Sector	Agriculture
Sub-Sector	Vedic Organic Crop Production
Occupation	Vedic Farm Management
NSQF Level	4
Credits	1
Version	2.0
Last Reviewed Date	
Next Review Date	
NSQC Clearance Date	

AGR/N9903: Maintain health and safety at the workplace

Description
This OS is about maintaining health and safety of self and other co-workers at the workplace

Scope
The scope covers the following:

- Maintain personal hygiene
- Maintain clean and safe workplace
- Administer appropriate emergency procedures

Objectives:

- Ensure Employee Well-being
- Comply with Legal and Regulatory Standards
- Promote a Safety Culture
- Enhance Operational Efficiency
- Facilitate Emergency Preparedness

Outcomes:

- Reduced Workplace Accidents and Injuries
- Lower Absenteeism and Turnover Rates
- Enhanced Productivity and Morale
- Cost Savings
- Improved Organizational Reputation

Elements and Performance Criteria

PC1. Follow general workplace safety: wear PPE, maintain hygiene, ensure clean drinking water, and follow safe waste disposal practices.

PC2. Operate farm machinery safely: follow precautions while using tractors, tillers, sprayers, and irrigation pumps; avoid loose clothing and unsafe handling.

PC3. Manage chemical and organic inputs: prevent pesticide drift, handle bio-pesticides safely, and follow guidelines for Jeevamruth, Panchagavya, and other organic inputs.

PC4. Prevent biological hazards: take precautions against snake bites, insect stings, and zoonotic infections, and ensure safe storage of seeds and grains.

PC5. Ensure irrigation and electrical safety: avoid contact with live wires, maintain safe distance from pumpsets, and prevent waterlogging hazards.

PC6. Address climate and environmental risks: prevent sunstroke and dehydration by scheduling shaded rest periods during peak hours.

PC7. Provide first aid and emergency response: administer first aid for minor injuries, bites, and heatstroke cases until professional medical help is available.

Knowledge and Understanding (KU)
The individual on the job needs to know and understand:

KU1. Relevant legislation, standards, policies, and procedures at work

KU2. Relevant health and safety requirements applicable to the work environment

KU3. Own job role and responsibilities and sources of information pertaining to work

KU4. Who to approach for support in order to obtain work related information, clarifications and support

KU5. Importance of following health, hygiene, safety and quality standards and the impact of not following the standards on consumers and the business

KU6. Personal hygiene and fitness requirement

KU7. Importance of sanitization of the workplace

KU8. Types of Personal Protective Equipment (PPE) required at the workplace and their importance

KU9. The correct and safe way to use materials and equipment required for the work

KU10. The importance of good housekeeping at the workplace

KU11. Safe waste disposal methods

KU12. Methods for minimizing environmental damage during work

KU13. The risks to health and safety including contagious diseases and the measures to be taken to control those risks in the area of work

KU14. Workplace procedures and requirements for the prevention and treatment of workplace injuries/illnesses.

KU15. Basic emergency first aid procedure

KU16. Local emergency services

KU17. Why accidents, incidents and problems should be reported and the appropriate actions to be taken

Generic Skills (GS)

User/individual on the job needs to know how to:

GS1. Record the data as per the requirement

GS2. Report problems to the appropriate personnel in a timely manner

GS3. Read instruction manual for hand tool and equipments

GS4. Communicate clearly and effectively with co-workers, and other stakeholders

GS5. Comprehend information shared by senior people and experts **GS6.** Make decisions pertaining to personal hygiene and safety GS7. Schedule daily activities and draw up priorities

GS8. Manage relationships with co-workers, manager and other stakeholders

GS9. Assess situation and identify appropriate control measures

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Maintain personal hygiene	**5**	**15**	**-**	**10**
PC1. Wash hands, legs and face with soap/alcohol-based sanitizer at reasonable intervals	-	-	-	-
PC2. Wash the worn clothes with soap and sundry before use next time	-	-	-	-
PC3. Ensure the face is covered with mask or three layers of cloth-piece	-	-	-	-
PC4. Follow the workplace sanitization norms including distancing from sick people	-	-	-	-
Maintain clean and safe workplace	**10**	**15**	**-**	**15**
PC5. Carry out basic safety checks before operation of all tools, implements, and machinery and report identified hazards to the supervisor	-	-	-	-
PC6. Wear appropriate Personal Protective Equipment (PPE) while performing work in accordance with the workplace policy	-	-	-	-
PC7. Follow the instructions mentioned on the labels of chemicals/pesticides/fumigants etc to avoid hazards	-	-	-	-
PC8. Assess risks prior to performing manual handling jobs, and work according to currently recommended safe practices	-	-	-	-
PC9. Sanitize equipment, tools and machinery before and after use	-	-	-	-
PC10. Use equipment and materials safely and correctly and return the same to designated storage after use	-	-	-	-
PC11. Dispose waste safely and correctly in the designated area	-	-	-	-
PC12. Recognize risks to bystanders and take required action to reduce the risks	-	-	-	-
PC13. Work in a manner which minimizes environmental damage, ensuring all procedures and instructions for controlling risks are followed	-	-	-	-
PC14. Report any accidents, incidents or problems without delay to an appropriate person and take necessary immediate action to	-	-	-	-

reduce further danger				
PC15. Follow government / workplace advisories in case of outbreak of any disease/disaster	-	-	-	-
Administer appropriate emergency procedures	**10**	**10**	**-**	**10**
PC16. Follow procedures for dealing with accidents, fires and emergencies, including communicating location and directions to the location of emergency, as per the workplace requirements	-	-	-	-
PC17. Use emergency equipment in accordance with manufacturer's specifications and workplace requirements	-	-	-	-
PC18. Provide treatment appropriate to the patient's injuries in accordance with recognized first aid techniques	-	-	-	-
PC19. Recover (if practical), clean, inspect/test, refurbish, replace and store the first aid equipment as appropriate	-	-	-	-
PC20. Report details of first aid administered in accordance with workplace procedures	-	-	-	-
PCn1. Follow general workplace safety: wear PPE, maintain hygiene, ensure clean drinking water, and follow safe waste disposal practices.	-	-	-	-
PCn2. Operate farm machinery safely: follow precautions while using tractors, tillers, sprayers, and irrigation pumps; avoid loose clothing and unsafe handling.	-	-	-	-
PCn3. Manage chemical and organic inputs: prevent pesticide drift, handle bio-pesticides safely, and follow guidelines for Jeevamruth, Panchagavya, and other organic inputs.	-	-	-	-
PCn4. Prevent biological hazards: take precautions against snake bites, insect stings, and zoonotic infections, and ensure safe storage of seeds and grains.	-	-	-	-
PCn5. Ensure irrigation and electrical safety: avoid contact with live wires, maintain safe distance from pumpsets, and prevent waterlogging hazards.	-	-	-	-
PCn6. Address climate and environmental risks: prevent sunstroke and dehydration by scheduling shaded rest periods during peak	-	-	-	-

hours.				
PCn7. Provide first aid and emergency response: administer first aid for minor injuries, bites, and heatstroke cases until professional medical help is available.	-	-	-	-
NOS Total	**25**	**40**	**-**	**35**

National Occupational Standards (NOS) Parameters

NOS Code	AGR/N9903
NOS Name	Maintain health and safety at the workplace
Sector	Agriculture
Sub-Sector	Generic
Occupation	Generic
NSQF Level	4
Credits	1
Version	4.0
Last Reviewed Date	
Next Review Date	
NSQC Clearance Date	

DGT/VSQ/N0102: Employability Skills

Description:

This unit covers employability skills contextualized for the role of an Organic Vedic Farmer. It integrates digital, financial, communication, and entrepreneurial competencies with agriculture and Indian Knowledge Systems (IKS).

Key Outcomes:

After completion of this module, the learner will be able to:

PC1. Demonstrate digital literacy relevant to agriculture by using agri-market apps (eNAM, AgriMarket, Kisan Suvidha), FPO/mandi platforms, and government portals for subsidies, weather updates, and soil health cards.

PC2. Apply financial literacy by managing Kisan Credit Cards, crop insurance, agri-loans, cooperative credit, and maintaining simple farm budgets and accounts.

PC3. Use effective communication skills for interacting with FPOs, cooperative societies, certification bodies, and consumers, including maintaining professional farm records.

PC4. Demonstrate entrepreneurial skills by establishing organic input units (e.g., vermi-compost, Beejamrutha, Jeevamruth, Panchagavya), exploring direct-to-consumer channels, and innovating in value addition such as organic processed foods or herbal products.

PC5. Promote green and sustainable practices by adopting climate-resilient methods, seed preservation, Panchagavya-based solutions, eco-friendly pest management, and other Indian Knowledge System (IKS)-based practices.

Knowledge and Understanding (KU)

The individual on the job needs to know and understand:

KU1. Need for employability skills and different learning and employability related portals

KU2. Various constitutional and personal values

KU3. Different environmentally sustainable practices and their importance

KU4. Twenty first (21st) century skills and their importance

KU5. How to use English language for effective verbal (face to face and telephonic) and written communication in formal and informal set up

KU6. Importance of career development and setting long- and short-term goals

KU7. About effective communication

KU8. POSH Act

KU9. Gender sensitivity and inclusivity

KU10. Different types of financial institutes, products, and services

KU11. How to compute income and expenditure

KU12. Importance of maintaining safety and security in offline and online financial transactions

KU13. Different legal rights and laws

KU14. Different types of digital devices and the procedure to operate them safely and securely

KU15. How to create and operate an e- mail account and use applications such as word processors, spreadsheets etc.

KU16. How to identify business opportunities

KU17. Types and needs of customers

KU18. How to apply for a job and prepare for an interview

KU19. Apprenticeship scheme and the process of registering on apprenticeship portal

Generic Skills (GS)

User/individual on the job needs to know how to:

GS1. Read and write different types of documents/instructions/correspondence

GS2. Communicate effectively using appropriate language in formal and informal settings

GS3. Behave politely and appropriately with all

GS4. How to work in a virtual mode

GS5. Perform calculations efficiently

GS6. Solve problems effectively

GS7. Pay attention to details

GS8. Manage time efficiently

GS9. Maintain hygiene and sanitization to avoid infection

Assessment Criteria

Assessment Criteria for Outcomes	Theory Marks	Practical Marks	Project Marks	Viva Marks
Introduction to Employability Skills	**1**	**1**	**-**	**-**
PC1. Identify employability skills required for jobs in various industries	**-**	**-**	**-**	**-**
PC2. Identify and explore learning and employability portals	**-**	**-**	**-**	**-**
Constitutional values – Citizenship	**1**	**1**	**-**	**-**
PC3. Recognize the significance of constitutional values, including civic rights and duties, citizenship, responsibility towards society etc. And personal values and ethics such as honesty, integrity, caring and respecting others, etc.	**-**	**-**	**-**	**-**
PC4. Follow environmentally sustainable practices	**-**	**-**	**-**	**-**
Becoming a Professional in the 21st Century	**2**	**4**	**-**	**-**
PC5. Recognize the significance of 21st Century Skills for employment	**-**	**-**	**-**	**-**
PC6. Practice the 21st Century Skills such as Self-Awareness, Behaviour Skills, time management, critical and adaptive thinking, problem-solving,	**-**	**-**	**-**	**-**

creative thinking, social and cultural awareness, emotional awareness, learning to learn for continuous learning etc. In personal and professional life				
Basic English Skills	**2**	**3**	**-**	**-**
PC7. Use basic English for everyday conversation in different contexts, in person and over the telephone	-	-	-	-
PC8. Read and understand routine information, notes, instructions, mails, letters etc. Written in English	-	-	-	-
PC9. Write short messages, notes, letters, e-mails etc. In English	-	-	-	-
Career Development & Goal Setting	**1**	**2**	**-**	**-**
PC10. Understand the difference between job and career	-	-	-	-
PC11. Prepare a career development plan with short- and long-term goals, based on aptitude	-	-	-	-
Communication Skills	**2**	**2**	**-**	**-**
PC12. Follow verbal and non-verbal communication etiquette and active listening techniques in various settings	-	-	-	-
PC13. Work collaboratively with others in a team	-	-	-	-
Diversity & Inclusion	**1**	**2**	**-**	**-**
PC14. Communicate and behave appropriately with all genders and pwd	-	-	-	-
PC15. Escalate any issues related to sexual harassment at workplace according to POSH Act	-	-	-	-
Financial and Legal Literacy	**2**	**3**	**-**	**-**
PC16. Select financial institutions, products and services as per requirement	-	-	-	-
PC17. Carry out offline and online financial transactions, safely and securely	-	-	-	-
PC18. Identify common components of salary and compute income, expenses, taxes, investments etc	-	-	-	-
PC19. Identify relevant rights and laws and use legal aids to fight against legal exploitation	-	-	-	-
Essential Digital Skills	**3**	**4**	**-**	**-**
PC20. Operate digital devices and carry out basic internet operations securely and safely	-	-	-	-
PC21. Use e- mail and social media platforms and virtual collaboration tools to work effectively	-	-	-	-
PC22. Use basic features of word processor, spreadsheets, and presentations	-	-	-	-
Entrepreneurship	**2**	**3**	**-**	**-**

PC23. Identify different types of Entrepreneurship and Enterprises and assess opportunities for potential business through research	-	-	-	-
PC24. Develop a business plan and a work model, considering the 4Ps of Marketing Product, Price, Place and Promotion	-	-	-	-
PC25. Identify sources of funding, anticipate, and mitigate any financial/ legal hurdles for the potential business opportunity	-	-	-	-
Customer Service	**1**	**2**	**-**	**-**
PC26. Identify different types of customers	-	-	-	-
PC27. Identify and respond to customer requests and needs in a professional manner.	-	-	-	-
PC28. Follow appropriate hygiene and grooming standards	-	-	-	-
Getting ready for apprenticeship & Jobs	**2**	**3**	**-**	**-**
PC29. Create a professional Curriculum vitae (Résumé)	-	-	-	-
PC30. Search for suitable jobs using reliable offline and online sources such as Employment exchange, recruitment agencies, newspapers etc. And job portals, respectively	-	-	-	-
PC31. Apply to identified job openings using offline /Online methods as per requirement	-	-	-	-
PC32. Answer questions politely, with clarity and confidence, during recruitment and selection	-	-	-	-
PC33. Identify apprenticeship opportunities and register for it as per guidelines and requirements	-	-	-	-
PCn1. Demonstrate digital literacy relevant to agriculture by using agri-market apps (eNAM, AgriMarket, Kisan Suvidha), FPO/mandi platforms, and government portals for subsidies, weather updates, and soil health cards.	-	-	-	-
PCn2. Apply financial literacy by managing Kisan Credit Cards, crop insurance, agri-loans, cooperative credit, and maintaining simple farm budgets and accounts.	-	-	-	-
PCn3. Use effective communication skills for interacting with FPOs, cooperative societies, certification bodies, and consumers, including maintaining professional farm records.	-	-	-	-
PCn4. Demonstrate entrepreneurial skills by establishing organic input units (e.g., vermi-compost, Beejamrutha, Jeevamruth, Panchagavya),	-	-	-	-

exploring direct-to-consumer channels, and innovating in value addition such as organic processed foods or herbal products.				
PCn5. Promote green and sustainable practices by adopting climate-resilient methods, seed preservation, Panchagavya-based solutions, eco-friendly pest management, and other Indian Knowledge System (IKS)-based practices.	-	-	-	-
NOS Total	**20**	**30**	**-**	**-**

National Occupational Standards (NOS) Parameters

NOS Code	DGT/VSQ/N0102
NOS Name	Employability Skills (60 Hours)
Sector	Cross Sectoral
Sub-Sector	Professional Skills
Occupation	Employability
NSQF Level	4
Credits	2
Version	1.0
Last Reviewed Date	
Next Review Date	
NSQC Clearance Date	

NOS and Module Details:

Sl. No.	NOS and Module Details	Theory Duration	Practical Duration	Total Duration
1.	AGR/N1201: Undertake planning for organic farming	15	35	50
2.	AGR/N1202: Carry out seed selection and treatment under organic farming	15	30	45
3.	AGR/N1203: Carry out soil nutrient management under organic farming	15	25	40
4.	AGR/N1204: Carry out weed management in an organic farm	15	25	40
5.	AGR/N1205: Carry out irrigation management in an organic farm	15	25	40
6.	AGR/N1206: Integrated pest and disease management in an organic farm	15	25	40
7.	AGR/N1207: Carry out harvest and post-harvest management in an organic farm	20	25	45
8.	AGR/N1208: Undertake quality assurance and certification in organic farming	15	20	35
9.	AGR/N1209: Undertake business of organic farming	20	25	45
10	AGR/N9903: Maintain health and safety at the workplace	15	20	35
11	DGT/VSQ/N0102: Employability Skills	15	20	35
	Total	**175**	**275**	**450**

Credits	Total Notional Hours	Hours per Credit
15	**450**	**1 Credit = 30 hrs (NCrF). ABC Compliant**

Trainer Prerequisites for Job role: "Organic Vedic Farmer" mapped to Qualification Pack: "AGR/Q1201, v1.0"

S. No	Area	Details
1	Description	The Trainer should be well-versed in ancient agricultural principles, natural farming methods, organic certification norms, and have a passion for traditional knowledge sharing.
2	Personal Attributes	Passionate about sustainability, patient, observant, culturally rooted, acquainted with Sanskrit and regional language, good communication & mentoring skills.
3	Minimum Educational Qualifications	10th Class with 2 Years of experience relevant experience OR 10th Class (with minimum education as 5th grade pass) OR Certificate-NSQF (Level-4 (Vermi compost Producer)) with 6 Months of experience relevant experience OR Certificate-NSQF (Level-3 with minimum education as 5th grade pass) with 2 Years of experience relevant experience OR 5th Class with 6Years of experience in crop/horticulture cultivation
4	Domain Certification	Certified in "Vedic Organic Farmer", or "Natural Farming trainer" from ASCI or recognized skill councils.
5	Platform Certification	Certified Trainer from NSDC, ASCI or equivalent platform.
6	Experience	Minimum 2 years in organic /Vedic / natural farming practices with field-level implementation and community training experience. "Trainers must undergo ≥16 hours of annual refresher training on organic certification updates, FPO business models, carbon credits, and regenerative agriculture research."

Assessment Guidelines and Assessment Weightage

Assessment Guidelines

1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down the proportion of marks for Theory and Skills Practical for each PC.
2. The assessment for the theory part will be based on the knowledge bank of questions created by the SSC.
3. Assessment will be conducted for all compulsory NOS, and where applicable, on the selected elective/optional set of NOS.
4. Individual assessment agencies will create unique question papers for the theory part for each candidate at each examination/training center (as per assessment criteria below).
5. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/ training center based on these criteria.
6. To pass the Qualification Pack assessment, every trainee should score a minimum of 70% of % aggregate marks to successfully clear the assessment.
7. In case of unsuccessful completion, the trainee may seek reassessment on the Qualification Pack.

Minimum Aggregate Passing % at QP Level: 70

(**Please note**: Every Trainee should score a minimum aggregate passing percentage as specified above, to Successfully clear the Qualification Pack assessment.)

Learners must produce a portfolio consisting of:

(i) *Farm plan.*
(ii) *Seed bank record.*
(iii) *Compost preparation demonstration.*
(iv) *WHS compliance checklist.*
(v) *Marketing plan for organic produce.*

Assessment Weightage

Compulsory NOS

National Occupational Standards	Theory Marks	Practical Marks	Project Marks	Viva Marks	Total Marks	Weightage
AGR/N1201.Undertake planning for organic farming	45	35	-	20	100	5
AGR/N1202.Carry out seed selection and treatment under organic farming	30	40	-	30	100	5
AGR/N1203.Carry out soil nutrient management under organic farming	25	45	-	30	100	10
AGR/N1204.Carry out weed management in an organic farm	30	40	-	30	100	5

AGR/N1205.Carry out irrigation management in an organic farm	30	40	-	30	100	5
AGR/N1206.Integrated pest and disease management in an organic farm	30	40	-	30	100	15
AGR/N1207.Carry out harvest and post-harvest management in an organic farm	30	35	-	35	100	10
AGR/N1208.Undertake quality assurance and certification in organic farming	55	45	-	50	150	20
AGR/N1209.Undertake business of organic farming	25	40	-	35	100	15
AGR/N9903.Maintain health and safety at the workplace	40	25	-	35	100	5
DGT/VSQ/N0102.Employability Skills (60 Hours)	20	30	0	0	50	5
Total	**0**	**415**	**0**	**0**	**1100**	**100**

Acronyms

NOS	National Occupational Standard(s)
NSQF	National Skills Qualifications Framework
QP	Qualifications Pack
TVET	Technical and Vocational Education and Training
GAP	Good Agricultural Practices
ITK	Indigenous Technical/Traditional Knowledge
TPC	Third Party Certification
PGS	Participatory Guarantee System
Pwd	Persons with Disabilities
PPE	Personal Protective Equipment
PPE	Personal Protective Equipment
PPE	Personal Protective Equipment

Glossary

Sector	Sector is a conglomeration of different business operations having similar business and interests. It may also be defined as a distinct subset of the economy whose components share similar characteristics and interests.
Sub-sector	Sub-sector is derived from a further breakdown based on the characteristics and interests of its components.
Occupation	Occupation is a set of job roles, which perform similar/ related set of functions in an industry.
Job role	Job role defines a unique set of functions that together form a unique employment opportunity in an organisation.
Occupational Standards (OS)	OS specify the standards of performance an individual must achieve when carrying out a function in the workplace, together with the Knowledge and Understanding (KU) they need to meet that standard consistently. Occupational Standards are applicable both in the Indian and global contexts.
Performance Criteria (PC)	Performance Criteria (PC) are statements that together specify the standard of performance required when carrying out a task.
National Occupational Standards (NOS)	NOS are occupational standards which apply uniquely in the Indian context.
Qualifications Pack (QP)	QP comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A QP is assigned a unique qualifications pack code.
Unit Code	Unit code is a unique identifier for an Occupational Standard, which is denoted by an 'N'
Unit Title	Unit title gives a clear overall statement about what the incumbent should be able to do.
Description	Description gives a short summary of the unit content. This would be helpful to anyone searching on a database to verify that this is the appropriate OS they are looking for.
Scope	Scope is a set of statements specifying the range of variables that an individual may have to deal with in carrying out the function which have a critical impact on quality of performance required.
Knowledge and Understanding (KU)	Knowledge and Understanding (KU) are statements which together specify the technical, generic, professional and organisational specific knowledge that an individual needs in order to perform to the required standard.
Organisational Context	Organisational context includes the way the organisation is structured and how it operates, including the extent of operative knowledge managers have of their relevant areas of responsibility.
Technical Knowledge	Technical knowledge is the specific knowledge needed to accomplish specific designated responsibilities.
Core Skills/	Core skills or Generic Skills (GS) are a group of skills that are the key to

Generic Skills (GS)	learning and working in today's world. These skills are typically needed in any work environment in today's world. These skills are typically needed in any work environment. In the context of the OS, these include communication related skills that are applicable to most job roles.
Electives	Electives are NOS/set of NOS that are identified by the sector as contributive to specialization in a job role. There may be multiple electives within a QP for each specialized job role. Trainees must select at least one elective for the successful completion of a QP with Electives.
Options	Options are NOS/set of NOS that are identified by the sector as additional skills. There may be multiple options within a QP. It is not mandatory to select any of the options to complete a QP with Options.