



NATIONAL BOARD FOR TECHNICAL EDUCATION

PLOT B BIDA ROAD, P.M.B. 2239, KADUNA, NIGERIA

IN COLLABORATION WITH



NATIONAL OCCUPATIONAL STANDARDS (NOS)

MEDICINAL PLANT PRODUCTION AND PROCESSING CRAFT LEVELS 1 - 3

JUNE, 2026



**RENEWED HOPE
IN AGRICULTURE**

PREFACE

The development of the National Occupational Standards (NOS) for the agricultural sector marks another important milestone in Nigeria's commitment to strengthening Technical and Vocational Education and Training (TVET), promoting skills development, and improving workforce productivity. These standards have been developed to provide nationally recognized benchmarks for the knowledge, skills, and competencies required for effective performance in various agricultural occupations.

The National Occupational Standards were developed through a collaborative process involving industry experts, employers, professional bodies, regulatory agencies, training institutions, development partners, and other key stakeholders. Their contributions ensured that the standards reflect current industry practices, emerging technologies, and the competency requirements of the modern agricultural sector.

I wish to express my sincere appreciation to the Honourable Minister of Education for providing the policy direction that made this initiative possible. I also acknowledge the support of the Honourable Minister of Agriculture and Food Security and the Honourable Minister of Livestock Development for their commitment to advancing agricultural skills development in Nigeria.

I extend my profound gratitude to the Tertiary Education Trust Fund (TETFund) for its intervention and support, which facilitated the development of these National Occupational Standards. I also appreciate the invaluable contributions of the Sector Skills Council for Agriculture (SSC4A), members of the Implementation Committee, resource persons, industry practitioners, employers, professional associations, regulatory agencies, the French Embassy in Nigeria, development partners, and all stakeholders who contributed their expertise throughout the development process.

These National Occupational Standards will serve as an important reference for competency-based training, assessment, certification, apprenticeship, Recognition of Prior Learning (RPL), and workforce development within the agricultural sector. It is my expectation that all implementing institutions and industry partners will effectively utilize these standards to enhance the quality, relevance, and competitiveness of agricultural skills development in Nigeria.

I commend all stakeholders for their dedication and commitment to this important national assignment and look forward to the successful implementation of these National Occupational Standards for the benefit of the agricultural sector and the nation as a whole.

Professor Idris M. Bugaje, FNSE
Chairman, Implementation Committee

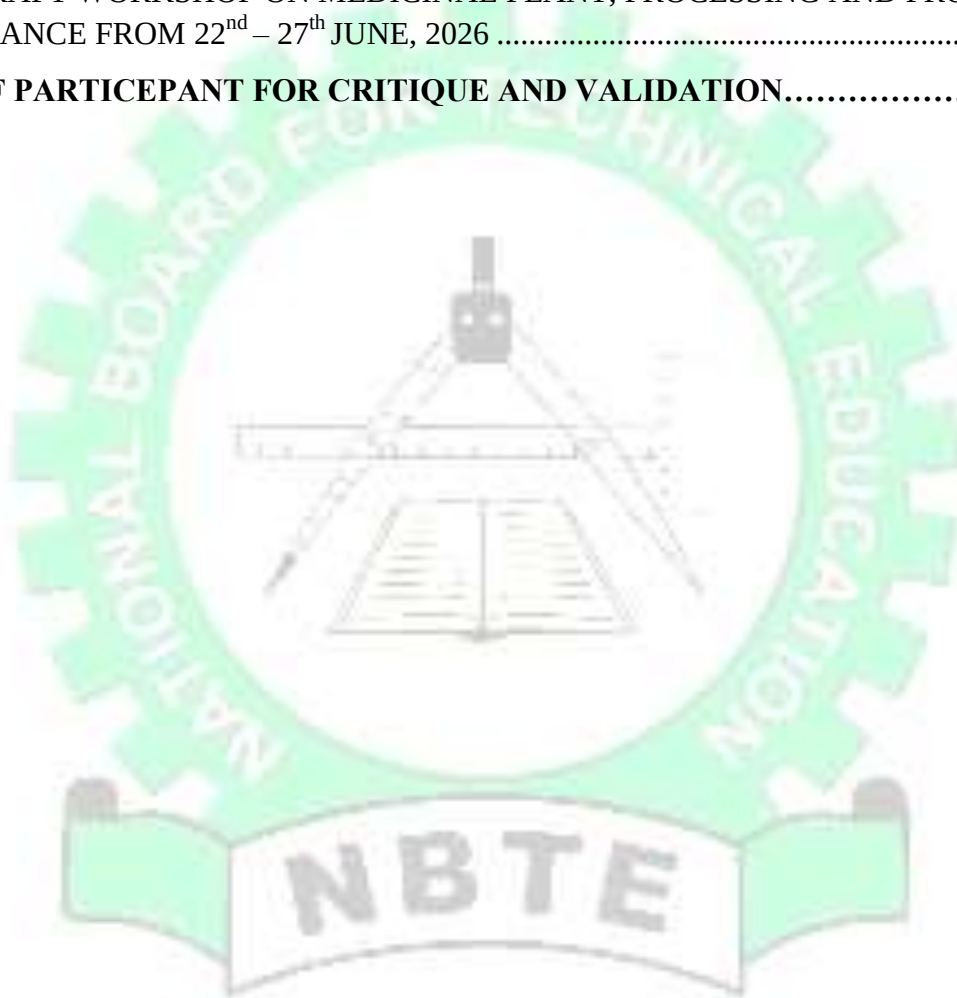
EXECUTIVE SECRETARY

National Board for Technical Education (NBTE), Kaduna

TABLE OF CONTENTS

PREFACE	2
LEVEL 1	5
NATIONAL SKILLS QUALIFICATION GENERAL INFORMATION.....	6
NATIONAL SKILLS QUALIFICATION TABLE LEVEL 1.....	8
Unit 001: Communication in medicinal plant production and processing	10
Unit 002: Occupational Health and Safety in Medicinal Plant Production and Processing	13
Unit 003: Teamwork in medicinal plant production and processing.....	16
Unit 004: Fundamentals medicinal plants.....	18
Unit 005: Basic Nursery operations	21
Unit 006: Basic land preparation and planting	23
Unit 007: Basic water management	26
Unit 008: Basic weeds control and farm sanitation	28
Unit 008: Basic weeds control and farm sanitation	30
Unit 009: Basic harvesting and handling of medicinal plants	31
LEVEL 2	34
GENERAL INFORMATION	35
LEVEL 2: MEDICINAL PLANT PRODUCTION ASSISTANT II	37
Unit 001: Communication in Medicinal Plant Production and Processing	40
Unit 002: Occupational Health and Safety in Medicinal Plant Production and Processing	42
Unit 003: Teamwork in Medicinal Plant Production and Processing.....	44
Unit 004: Classification of medicinal plants.....	47
Unit 005: Nursery Establishment.....	50
Unit 006: Environmental Conservation and Sustainable Practices.....	52
Unit 007: Propagation techniques.....	56
Unit 008: Soil Fertility and Nutrients Management	57
Unit 009: Irrigation and Water Conservation Practices	60
Unit 010: Weed, Pest and Disease Management	62
Unit 011: Harvest and Post-Harvest Practices	65
LEVEL 3.....	67
LEVEL 3: MEDICINAL PLANT PRODUCTON CRAFT	70
GENERAL GUIDE	72
Unit 001: Communication in Medicinal Plant Production and Processing	73

Unit 002: Occupational Health and Safety in Medicinal Plant Production and Processing	75
Unit 003: Teamwork in Medicinal Plant Production and Processing.....	78
Unit 004: Sustainable Medicinal Plants Production	82
Unit 005: Basic records keeping	85
Unit 006: Processing of medicinal plants materials/products.....	87
UNIT 007: Marketing medicinal plants and products	89
Tools and Equipment for Medicinal Plants Production and Processing.....	91
ZERO DRAFT WORKSHOP ON MEDICINAL PLANT, PROCESSING AND PRODUCTION ATTENDANCE FROM 22 nd – 27 th JUNE, 2026	95
LIST OF PARTICIPANT FOR CRITIQUE AND VALIDATION.....	97





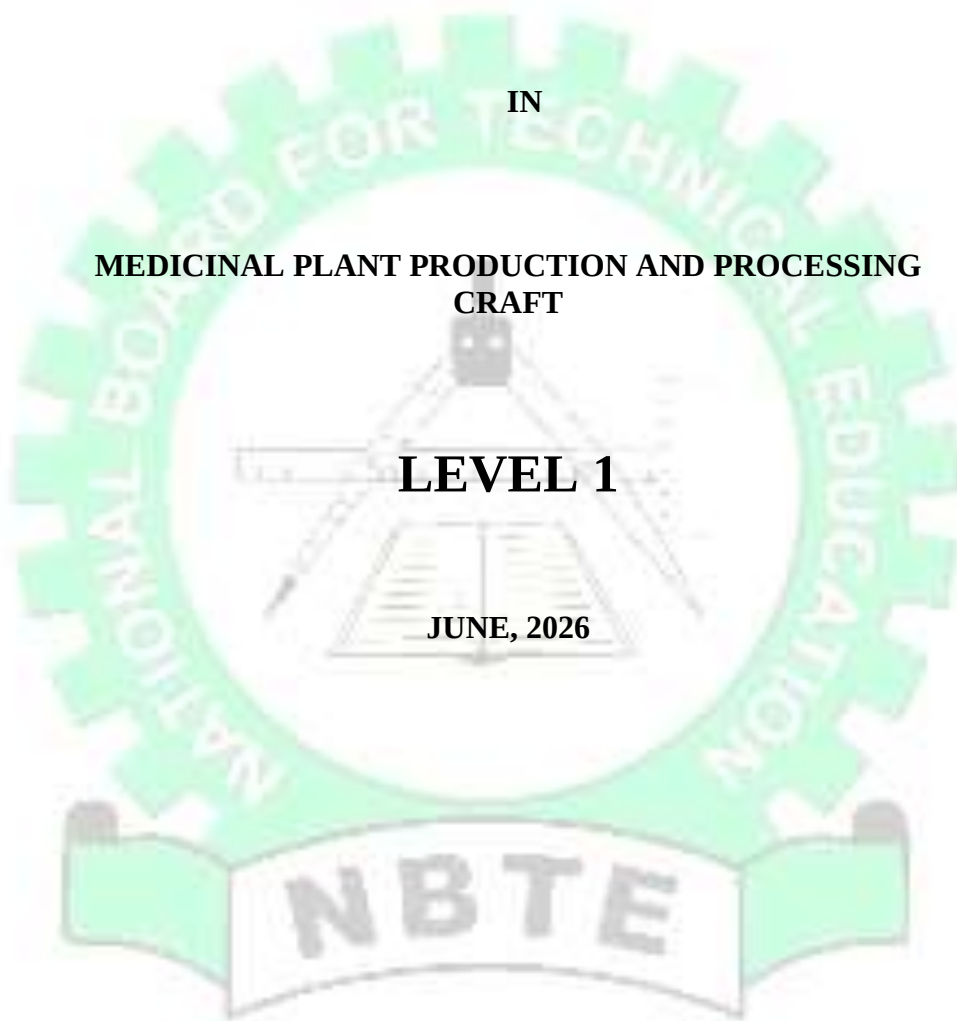
NATIONAL SKILLS QUALIFICATIONS (NSQ)

IN

**MEDICINAL PLANT PRODUCTION AND PROCESSING
CRAFT**

LEVEL 1

JUNE, 2026



NATIONAL SKILLS QUALIFICATION GENERAL INFORMATION OVERVIEW

This qualification is for those interested in acquiring a Certification in medicinal plant production and processing for the award of National Skills Qualifications (NSQ). It is aimed at producing medicinal plant field assistant at NSQ Level I with the competencies necessary to support formal Medicinal Plant Production and Processing.

This qualification is subject to review as and when the need arises.

QUALIFICATION PURPOSE

This qualification is designed for individuals who are interested in acquiring certification as Medicinal Plant Field Assistant.

QUALIFICATION REQUIREMENTS

All Candidates must be:

- a. At least sixteen (16) years of age
- b. Medically fit
- c. mentally fit (Mental alertness)
- d. Have achieved all the Safety and Health mandatory units in the qualification
- e. A Nigerian citizen
- f. Other nationals (International passport, residence permit)
- g. Vetted

QUALIFICATION OBJECTIVES

At the end of the qualification, the Medicinal Plant Field Assistant I should be able to:

- i. Communicate effectively in work environment
- ii. Relate effectively in work environment
- iii. Observe health and safety protocols
- iv. Identify common Medicinal Plants, their basic features, uses, safety considerations, and responsible handling practices.
- v. Support nursery preparation, seedling care, watering, potting and sanitation activities.
- vi. Prepare land for medicinal plant cultivation using basic tools and safe work practices.
- vii. Carry out basic water management practices, including watering and simple irrigation, in medicinal plant production.
- viii. Carry out simple weed control and field sanitation tasks to support healthy medicinal plant

growth.

- ix. Harvest, sort, handle and store medicinal plant materials so as to maintain quality.



MEDICINAL PLANT PRODUCTION AND PROCESSING

NATIONAL SKILLS QUALIFICATION TABLE LEVEL 1

Unit	Unit Reference Number	Unit Title	Credit Value	Guided Learning Hours	Practice Time
1	AGR/MPP/001/L1	Communication in Medicinal Plant Production and Processing	2	20	60
2	AGR/MPP/002/L1	Occupational Health and safety in Medicinal Plant Production and Processing	2	20	60
3	AGR/MPP/003/L1	Teamwork in Medicinal Plant Production and Processing	2	20	60
4	AGR/MPP/004/L1	Fundamentals of Medicinal Plants	3	30	90
5	AGR/MPP/005/L1	Basic Nursery Operation	3	30	90
6	AGR/MPP/006/L1	Basic Land Preparation and Planting	3	30	90
7	AGR/MPP/007/L1	Basic Water Management	2	20	60
8	AGR/MPP/008/L1	Basic Weed Control and Sanitation	2	20	60
9	AGR/MPP/009/L1	Basic Harvesting and Handling	3	30	90
TOTAL			22	220	660

QUALIFICATION STRUCTURE

This qualification comprises a total of **nine (9) Mandatory Units**, with a credit value of **22 and 220 Guided Learning Hours (GLH)** across the full qualification. One (1) credit is equivalent to **ten (10) GLH**. Guided Learning Hours are the time a learner spends in the classroom, workshop and laboratory of the Skills Training Centre (STC), being taught, instructed, supervised or assessed by a qualified trainer, facilitator or assessor.

In addition to the GLH, the qualification requires at least twice or thrice the GLH as practice time. Practice time is the time a learner is expected to spend applying the skills of each unit in a real workplace environment, carrying out the same tasks repeatedly until performance becomes consistent, accurate and habitual to the standard the qualification demands. It is undertaken under the guidance of a workplace supervisor, recorded in the learner's logbook and duly endorsed.

Practice time is the principal setting where core assessment is conducted. It is through repeated performance in the workplace that a learner's achievement of the Learning Outcomes and Performance Criteria is judged and evidenced. Practice time is an additional requirement to GLH and does not replace them.

To achieve this qualification, the learner must complete all mandatory units, undertake the prescribed practice time, and accumulate the minimum credit value approved by NBTE. Credit is awarded only when a learner has been assessed as competent against all Learning Outcomes and Performance Criteria of a unit.

GENERAL GUIDE

Unit title	Provides a clear explanation of the content of the unit.
Unit number	The unique number assigned to the unit.
Unit reference	The unique reference number given to each unit at qualification approval by NBTE
Unit level	Denotes the level of the unit within the National Vocational Qualification framework NSQF.
Unit credit value	The value that has been given to the unit based on the expected learning time for an average learner. 1 credit = 10 learning hours
Unit aim	Provides a brief outline of the unit content.
Learning outcome	A statement of what a learner will know, understand or be able to do, as a result of a process of learning.
Assessment criteria	A description of the requirements a learner must achieve to demonstrate that a learning outcome has been met.
Unit assessment guidance	Any additional guidance provided to support the assessment of the unit.
Unit guided learning hours	The average number of hours of supervised or directed study time or assessment required to achieve a qualification or unit of a qualification.

UNIT 001: COMMUNICATION IN MEDICINAL PLANT PRODUCTION AND PROCESSING

Unit Reference Number: AGR/MPP/001/L1

NSQ Level: 1

Credit Value: 2

Guided Learning Hours: 20

Practice Time: 60

Unit Purpose: This unit is designed to equip learners with knowledge and skills in effective communication

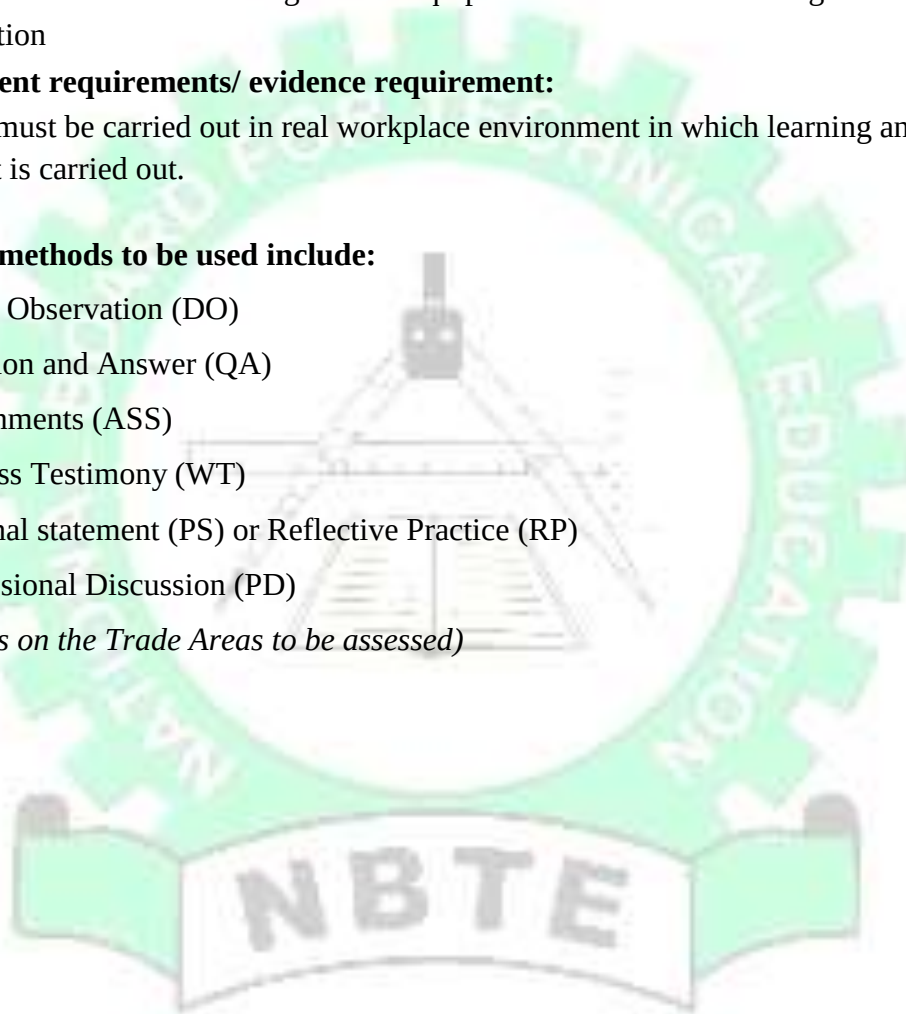
Unit assessment requirements/ evidence requirement:

Assessment must be carried out in real workplace environment in which learning and human development is carried out.

Assessment methods to be used include:

1. Direct Observation (DO)
2. Question and Answer (QA)
3. Assignments (ASS)
4. Witness Testimony (WT)
5. Personal statement (PS) or Reflective Practice (RP)
6. Professional Discussion (PD)

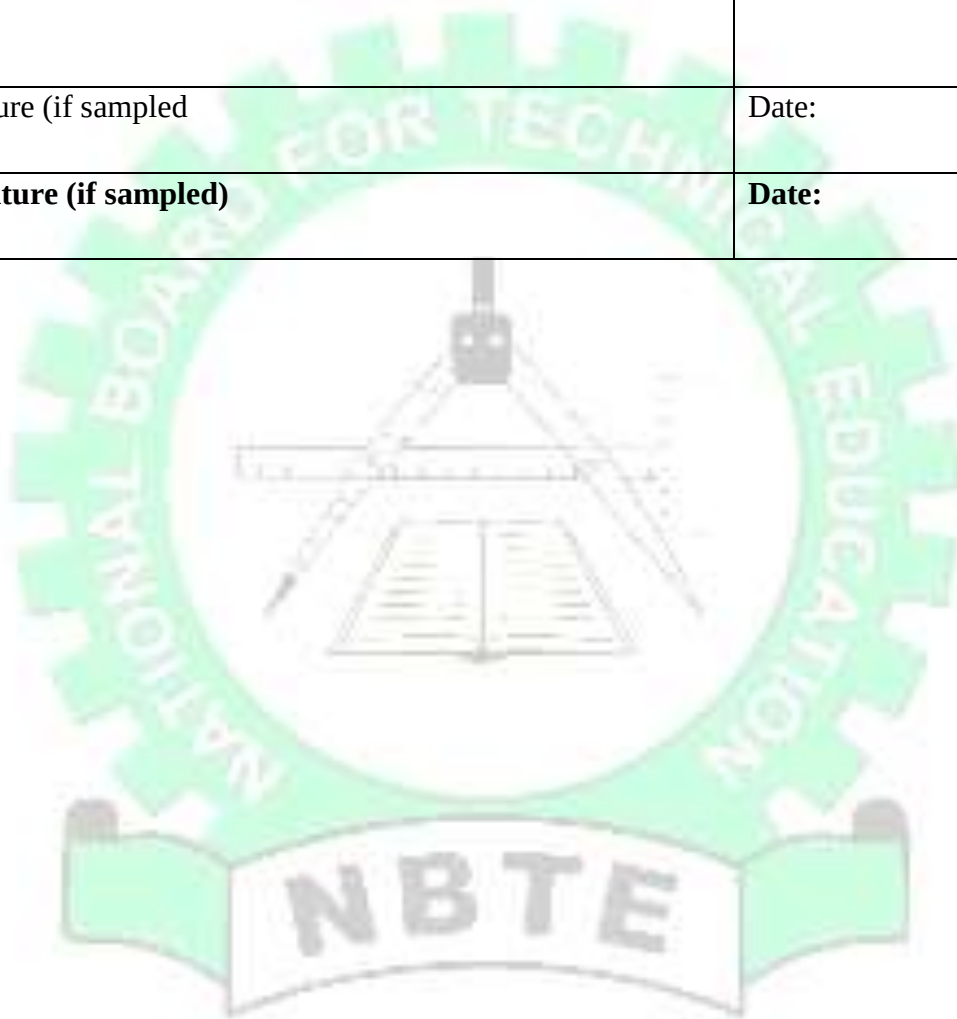
(This depends on the Trade Areas to be assessed)



Unit 001: Communication in Medicinal Plant Production and Processing

LEARNING OUTCOME (LO) The learner will:		PERFORMANCE CRITERIA The learner can:	Evidence Type	Evidence Ref. Page No.
LO 1: Explain communication in medicinal plant production and processing	1.1	Explain the term communication		
	1.2	Describe types of communication in Medicinal Plant Production and Processing		
	1.3	Explain communication tools		
	1.4	Identify the importance of communication in Medicinal Plant Production and Processing		
LO 2: Identify Modes of Communication in Medicinal Plants Production and Processing	2.1	State communication channels		
	2.2	Explain indigenous communication methods		
	2.3	Explain significance of effective communication		
LO 3: Explain basic communication on cultural aspects of medicinal plants Production and Processing.	3.1	Identify common cultural beliefs and practices related to medicinal plant production and processing.		
	3.2	Communicate respectfully with community members about traditional medicinal plant practices		
	3.3	Use suitable communication channels, such as • face-to-face discussions, • meetings, • written records, • logbooks, or • mobile communication, as required by the workplace		
	3.4	Listen attentively to instructions and information on cultural		

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA The learner can:	Evidence Type	Evidence Ref. Page No.
The learner will:				
		practices related to medicinal plants.		
Learners Signature:			Date:	
Assessors Signature:			Date:	
IQA Signature (if sampled)			Date:	
EQA Signature (if sampled)			Date:	



UNIT 002: OCCUPATIONAL HEALTH AND SAFETY IN MEDICINAL PLANT PRODUCTION AND PROCESSING

Unit Reference Number: AGR/MPP/002/L1

NSQ Level: 1

Credit Value: 2

Guided Learning Hours: 20

Practice Time: 60 hours

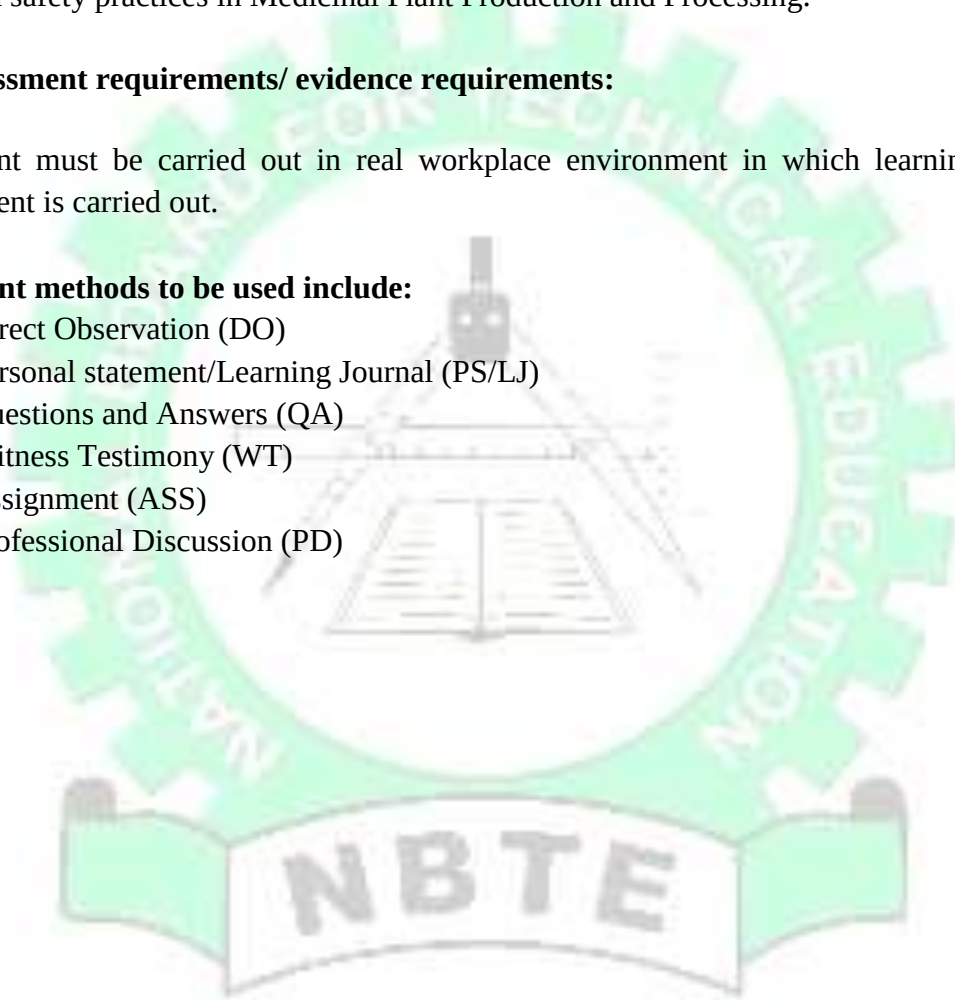
Unit Purpose: This unit is designed to provide learner with the knowledge and skills required for health and safety practices in Medicinal Plant Production and Processing.

Unit assessment requirements/ evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out.

Assessment methods to be used include:

1. Direct Observation (DO)
2. Personal statement/Learning Journal (PS/LJ)
3. Questions and Answers (QA)
4. Witness Testimony (WT)
5. Assignment (ASS)
6. Professional Discussion (PD)



Unit 002: Occupational Health and Safety in Medicinal Plant Production and Processing

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
LO 1: Identify hazards and risks in medicinal plant production and processing	1.1	Explain occupational health hazards		
	1.2	State the importance of preventing occupational health hazards in Medicinal Plants Production and Processing		
	1.3	Identify occupational health risks in Medicinal Plants Production and Processing		
	1.4	Explain safety measures		
	1.5	Explain the importance of Personal Protective Equipment (PPE)		
LO 2: Identify Hazards in medicinal plant production and processing Workplace	2.1	Assist in the prevention of unsafe acts and conditions in the Field		
	2.2	Identify biological hazards associated with Medicinal Production and Processing		
	2.3	Identify environmental hazards associated with medicinal plant production and processing		
LO 3: Apply Safety Procedures in medicinal plant production and processing	3.1	Explain the importance of working in a healthy, safe and hygienic environment in a medicinal plant farm		
	3.2	Report any accidents or near misses promptly to the appropriate personnel.		
	3.3	Observe healthy, hygienic and safety procedures during work.		
	3.4	Observe organizational security procedures.		
	3.5	Demonstrate PPE use		
	3.6	Describe safe harvesting procedures of		

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type					Evidence Ref. Page No.				
The learner will:		The learner can:										
		medicinal plants										
	3.7	Describe safe handling and storage of medicinal plants										
Learners Signature:							Date:					
Assessors Signature:							Date:					
IQA Signature (if sampled)							Date:					
EQA Signature (if sampled)							Date:					



UNIT 003: TEAMWORK IN MEDICINAL PLANT PRODUCTION AND PROCESSING

Unit Reference Number: AGR/MPP/003/L1

NSQ Level: 1

Credit Value: 2

Guided Learning Hours: 20

Practice Time: 60 hours

Unit Purpose: This unit is designed to provide learner with the knowledge and skills required to relate cooperatively with colleagues in Medicinal plant farm.

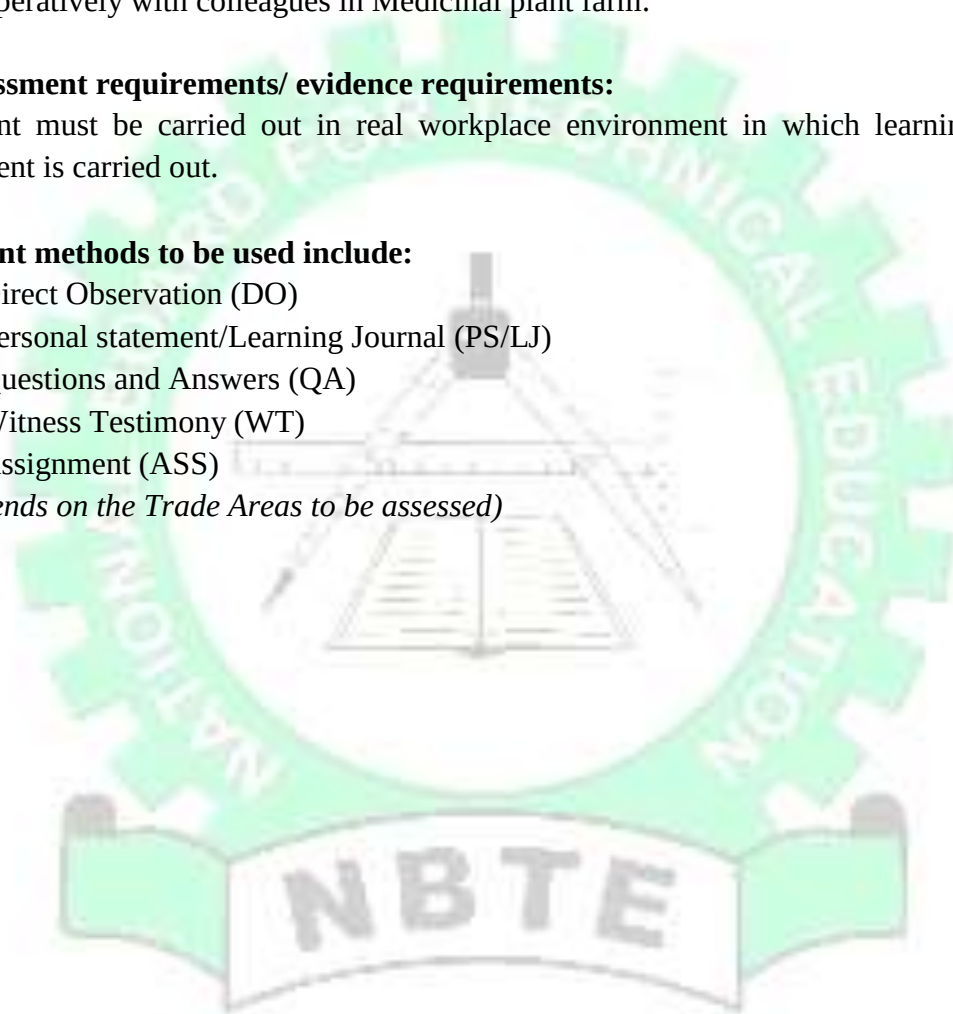
Unit assessment requirements/ evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out.

Assessment methods to be used include:

1. Direct Observation (DO)
2. Personal statement/Learning Journal (PS/LJ)
3. Questions and Answers (QA)
4. Witness Testimony (WT)
5. Assignment (ASS)

(This depends on the Trade Areas to be assessed)



Unit 003: Teamwork in medicinal plant production and processing

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
LO 1: Explain teamwork in medicinal plant production and processing	1.1	Explain teamwork		
	1.2	Explain the advantages of working as a team		
	1.3	State importance of teamwork		
	1.4	Describe the attributes of a good team player		
	1.5	Explain the importance of being a good team player		
LO 2: Demonstrate Team Participation in medicinal plant production and processing	2.1	Identify team members		
	2.2	Explain individual roles		
	2.3	Participate in group discussion		
	2.4	State the importance of adherence to work schedules in Medicinal Plant Production and Processing		
LO 3: Apply Communication Skills in Teamwork in medicinal plant production and processing	3.1	Communicate with team members		
	3.2	Work in line with organizational standard		
	3.3	Use organizational code of practice to communicate with team members		
	3.4	Use reporting and feedback channels to communicate with team members		
	3.5	Resolve misunderstandings among team members		
Learners Signature:			Date:	
Assessors Signature:			Date:	

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
IQA Signature (if sampled)			Date:	
EQA Signature (if sampled)			Date:	



UNIT 004: FUNDAMENTALS MEDICINAL PLANTS

Unit Reference Number: AGR/MPP/004/L1

NSQ Level: 1

Credit Value: 3

Guided Learning Hours: 30

Practice Time: 90 hours

Unit Purpose: This unit provides learners with knowledge and skills to identify common medicinal plants, their basic features, uses, safety considerations, and responsible handling practices.

Unit assessment requirements/ evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out.

Assessment methods to be used include:

1. Direct Observation/oral questions (DO)
2. Question and Answer (QA)
3. Witness Testimony (WT)
4. Personal statement (PS) or Reflective Practice (RP)
5. Work Product (WP)
6. Professional Discussion (PD)

(This depends on the Trade Areas to be assessed)



Unit 004: Fundamentals of medicinal plants

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
LO 1: Identify medicinal plants.	1.1	Define medicinal plants.		
	1.2	Name medicinal plants locally found with examples.		
	1.3	State the importance of medicinal plants in healthcare, nutrition, and livelihoods.		
LO 2: Classify medicinal plants	2.1	Classify medicinal plants into grasses, shrubs, climbers, and trees.		
	2.2	Describe the features of every group classified in 2.1		
	2.3	Match selected medicinal plants with their respective groups as in 2.2		
LO 3: Recognize basic parts of medicinal plants.	3.1	Identify roots, stems, leaves, flowers, fruits, and seeds.		
	3.2	State a function of each plant part as identified in 3.1		
	3.3	Label the major parts of a medicinal plant in 3.1		
Learners Signature:			Date:	
Assessors Signature:			Date:	
IQA Signature (if sampled)			Date:	
EQA Signature (if sampled)			Date:	

UNIT 005: BASIC NURSERY OPERATIONS

Unit Reference Number: AGR/MPP/005/L1

NSQ Level: 1

Credit Value: 3

Guided Learning Hours: 30 hours

Practice Time: 90 hours

Unit Purpose: This unit equips learners with basic skills for supporting nursery preparation, seedling care, watering, potting, and sanitation activities.

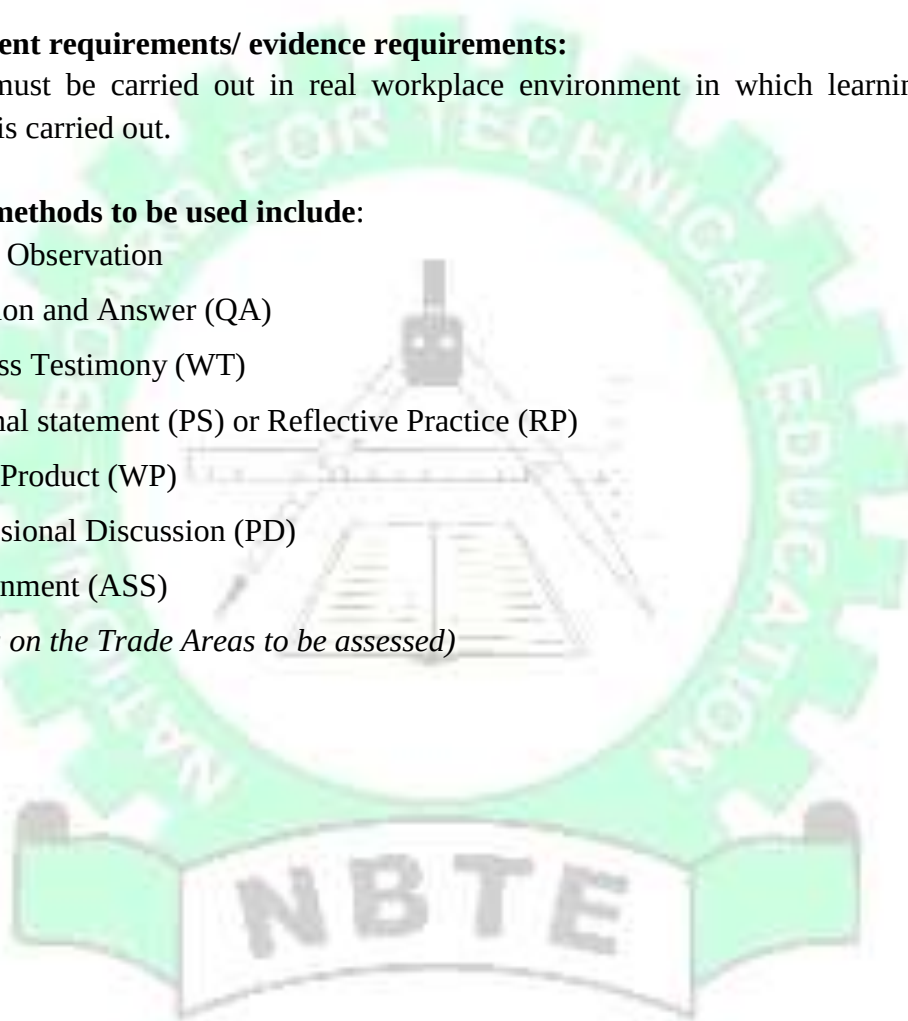
Unit assessment requirements/ evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out.

Assessment methods to be used include:

1. Direct Observation
2. Question and Answer (QA)
3. Witness Testimony (WT)
4. Personal statement (PS) or Reflective Practice (RP)
5. Work Product (WP)
6. Professional Discussion (PD)
7. Assignment (ASS)

(This depends on the Trade Areas to be assessed)



Unit 005: Basic nursery operations

LEARNING OUTCOME (LO) The learner will:		PERFORMANCE CRITERIA The learner can:	Evidence Type					Evidence Ref. Page No.			
LO 1: Describe nursery operations	1.1	Explain nursery									
	1.2	List common tools used in nursery.									
	1.3	Classify tools based on their uses as in 1.2									
LO 2: Support seed sowing and potting	2.1	Assist in the preparation of seedbeds, raised beds, and containers according to specifications.									
	2.2	Fill containers with growing medium									
	2.3	Place seeds or cuttings correctly									
	2.4	Cover planting materials lightly									
	2.5	label planted containers.									
	2.6	Maintain cleanliness and sanitation of nursery beds and containers.									
LO 3: Maintain nursery records and tools	3.1	Clean nursery tools after use.									
	3.2	Store nursery tools after use.									
	3.3	Keep simple records of seed sowing, germination, watering, and seedling growth.									
	3.4	Report nursery activities to the supervisor as required									
Learners Signature:			Date:								
Assessors Signature:			Date:								
IQA Signature (if sampled			Date:								
EQA Signature (if sampled)			Date:								

UNIT 006: BASIC LAND PREPARATION AND PLANTING

Unit Reference Number: AGR/MPP/006/L1

NSQ Level: 1

Credit Value: 3

Guided Learning Hours: 30

Practice Time: 90 hours

Unit Purpose: This unit enables learners to assist in preparing land for medicinal plant cultivation using basic tools and safe work practices.

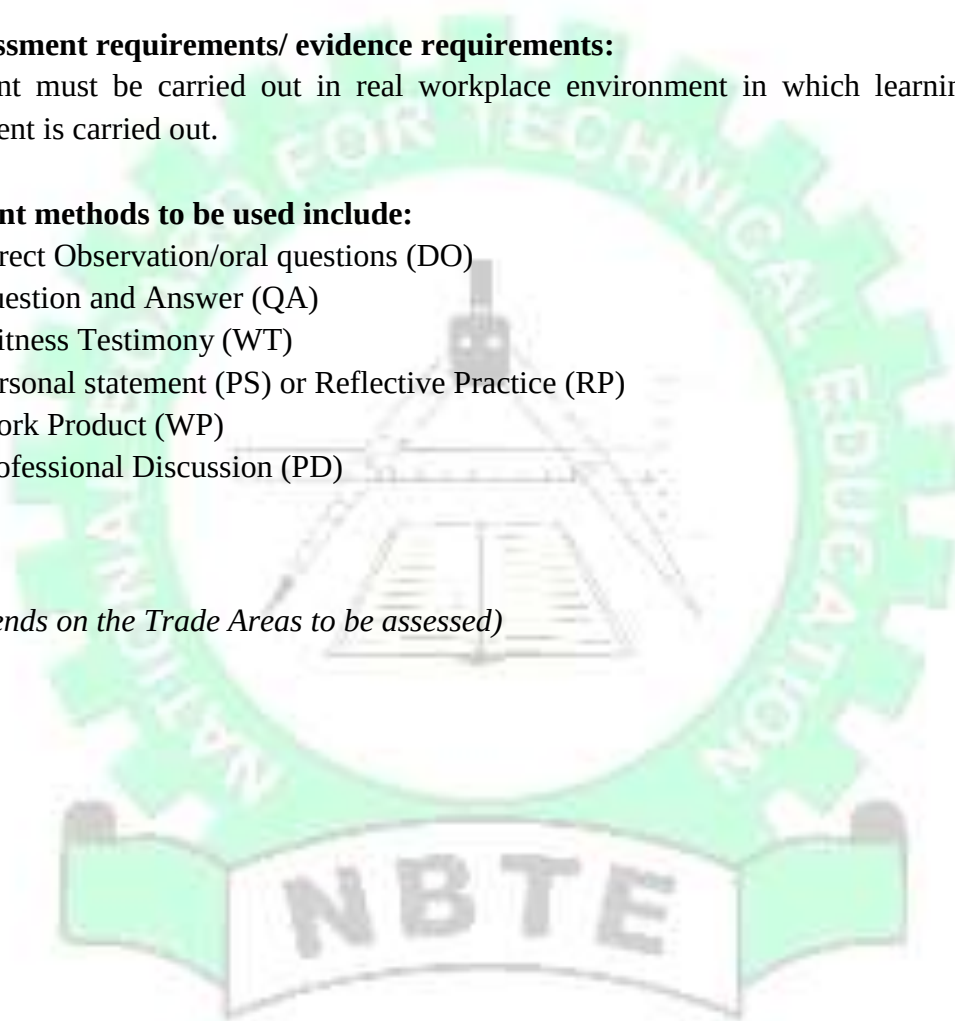
Unit assessment requirements/ evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out.

Assessment methods to be used include:

1. Direct Observation/oral questions (DO)
2. Question and Answer (QA)
3. Witness Testimony (WT)
4. Personal statement (PS) or Reflective Practice (RP)
5. Work Product (WP)
6. Professional Discussion (PD)

(This depends on the Trade Areas to be assessed)



Unit 006: Basic land preparation and planting

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
LO 1: Carry out basic land preparation activities	1.1	Clear weeds, shrubs, and unwanted materials from the site.		
	1.2	Collect debris appropriately.		
	1.3	Dispose off debris appropriately.		
	1.4	Prepare seedbeds, ridges, mounds, or planting beds according to crop requirements.		
	1.5	Use simple farm tools safely and correctly during land preparation.		
	1.6	Observe occupational health and safety practices		
LO 2: Prepare soil for planting medicinal plants	2.1	Loosen soil to improve aeration and root penetration.		
	2.2	Incorporate organic manure or compost into the soil.		
	2.3	Level beds where necessary.		
	2.4	Maintain soil moisture suitable for planting		
LO 3: Select planting materials.	3.1	Identify healthy seeds, seedlings, cuttings, rhizomes, or other planting materials.		
	3.2	Sort planting materials.		
	3.3	Select viable planting materials.		
	3.4	Handle planting materials carefully to avoid damage and contamination		
	3.5	Perform hygienic Practices during preparation of planting materials		
LO 4: Plant	4.1	Identify correct planting methods		

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
medicinal crops using appropriate methods.		for seeds and vegetative materials.		
	4.2	Place planting materials at the recommended depth.		
	4.3	Describe correct spacing between plants and rows.		
	4.4	Plant under supervision following established procedures.		
LO 5: Carry out immediate post-planting operations.	5.1	Water newly planted medicinal crops appropriately.		
	5.2	Replace missing or damaged plants where necessary.		
	5.3	Report poor germination to supervisors		
	5.4	Maintain cleanliness of the planting area.		
	5.5	Record basic planting activities as instructed.		
Learners Signature:			Date:	
Assessors Signature:			Date:	
IQA Signature (if sampled)			Date:	
EQA Signature (if sampled)			Date:	

UNIT 007: BASIC WATER MANAGEMENT

Unit Reference Number: AGR/MPP/007/L1

NSQ Level: 1

Credit Value: 2

Guided Learning Hours: 20

Practice Time: 60 hours

Unit Purpose: This unit equips learners with knowledge and skills to manage and utilize water resources effectively for agricultural purposes.

Unit assessment requirements/ evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out.

Assessment methods to be used include:

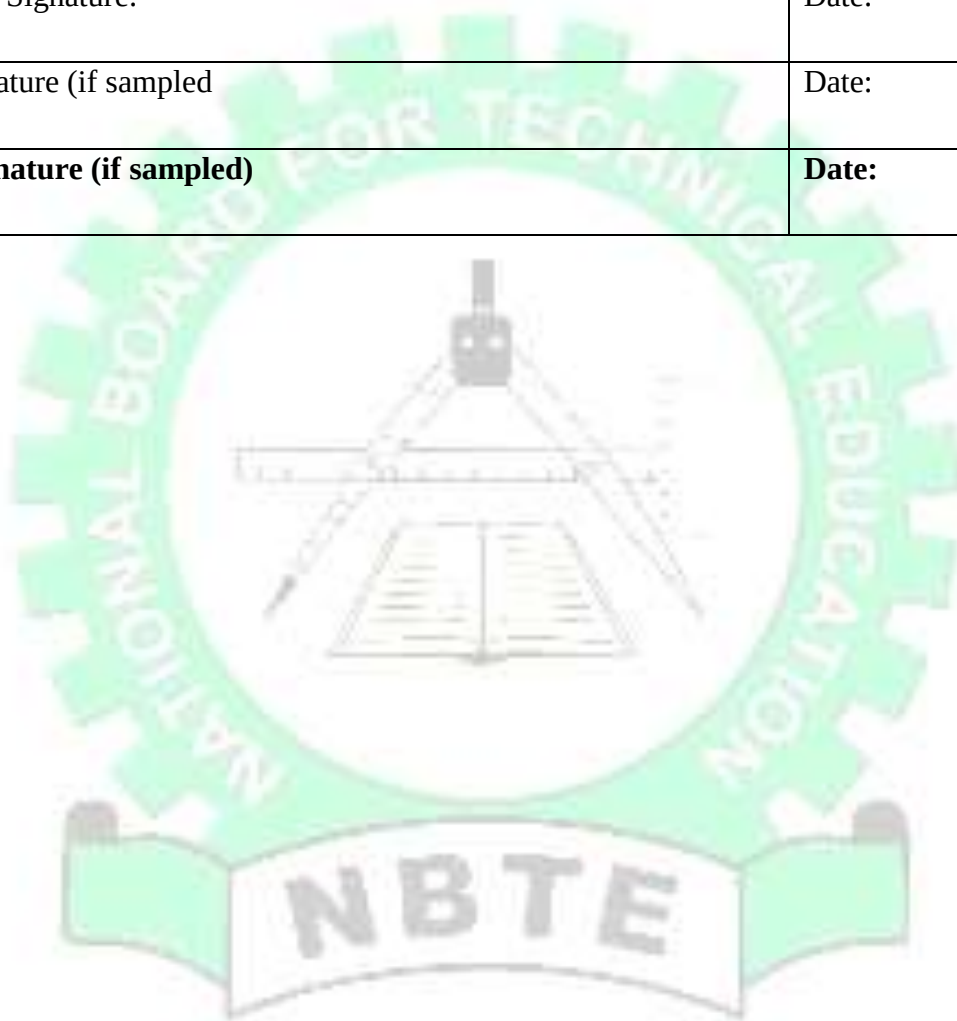
1. Direct Observation/oral questions (DO)
2. Question and Answer (QA)
3. Witness Testimony (WT)
4. Personal statement (PS) or Reflective Practice (RP)
5. Work Product (WP)
6. Assignment (ASS)
7. Professional Discussion (PD)

(This depends on the Trade Areas to be assessed)

Unit 007: Basic water management

LEARNING OUTCOME (LO) The learner will:		PERFORMANCE CRITERIA 3 The learner can:	Evidence Type					Evidence Ref. Page No.			
LO 1: Explain the importance of water in medicinal plant production	1.1	State the role of water in plant growth and development.									
	1.2	Identify signs of adequate soil moisture.									
	1.3	Identify signs of inadequate soil moisture.									
	1.4	Recognize the effects of water deficit and water logging.									
LO 2: Identify sources of water for medicinal plant cultivation	2.1	List common water sources used in farming									
	2.2	Select suitable water sources for nursery									
	2.3	Select suitable water sources for field production									
	2.4	Explain basic water quality requirements for irrigation.									
LO 3: Apply basic irrigation practices in medicinal plants	3.1	Water Plants at the appropriate time.									
	3.2	Supply the right quantity of water according to plant needs.									
	3.3	Use simple irrigation methods such as watering cans, hoses, or drip systems.									
	3.4	Explain overwatering and under watering of plants									
LO 4: Observe safety and environmental practices in water management.	4.1	Use water resources responsibly.									
	4.2	Prevent contamination of water sources.									
	4.3	Clean irrigation tools and equipment properly.									

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type				Evidence Ref. Page No.				
The learner will:		3 The learner can:									
	4.4	Follow workplace safety procedures during watering operations.									
Learners Signature:						Date:					
Assessors Signature:						Date:					
IQA Signature (if sampled)						Date:					
EQA Signature (if sampled)						Date:					



UNIT 008: BASIC WEEDS CONTROL AND FARM SANITATION

Unit Reference Number: AGR/MPP/008/L1

NSQ Level: 1

Credit Value: 2

Guided Learning Hours: 20

Practice Time: 60 hours

Unit Purpose: This unit enables learners to carry out simple weed control and field sanitation tasks to support healthy medicinal plant growth

Unit assessment requirements/ evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out.

Assessment methods to be used include:

1. Direct Observation/oral questions (DO)
2. Question and Answer (QA)
3. Witness Testimony (WT)
4. Personal statement (PS) or Reflective Practice (RP)
5. Work Product (WP)
6. Professional Discussion (PD)
7. Assignment (ASS)

(This depends on the Trade Areas to be assessed)



Unit 008: Basic weeds control and farm sanitation

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
LO 1: Identify the common weeds found in medicinal plant nurseries.	1.1	Define weeds		
	1.2	Identify common weeds in the locality.		
	1.3	Separate weeds from Medicinal Plant seedlings.		
LO 2: Explain the effects of weeds on the growth and yield of medicinal plants.	2.1	Explain competition between weeds and Medicinal Plants for water, nutrients, light, and space.		
	2.2	State the harmful effects of weeds on crop growth.		
	2.3	Identify weed infestation problems in the field.		
LO 3: Carry out basic manual weeding control operations safely and effectively.	3.1	Select appropriate manual weeding methods.		
	3.2	Remove weeds without damaging Medicinal Plants.		
	3.3	Carry out weeding operations according to instructions.		
	3.4	Observe safety precautions during weeding.		
LO 4: Use weeding tools safely and maintain them according to workplace requirements.	4.1	Identify suitable weeding tools.		
	4.2	Use tools according to their intended purpose.		
	4.3	Handled tools safely during operation.		
	4.4	Cleaned tools properly after use.		
	4.5	Stored tools properly after use.		
LO 5: Maintain cleanliness and sanitation in nurseries, and work areas.	5.1	Clean nursery beds and surroundings.		
	5.2	Clean pathways and work areas		
	5.3	Remove potential sources of contamination.		
LO 6: Dispose of weeds, plant	6.1	Collect weeds and plant residues after field operations.		

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
<i>residues, and farm waste using approved methods.</i>	6.2	Separate farm waste according to instructions.		
	6.3	Disposed waste materials using approved methods.		
	6.4	Avoid environmental pollution during waste disposal.		
<i>LO 7: Apply basic hygiene and sanitation practices during medicinal plant production activities.</i>	7.1	Wash hands before and after work activities.		
	7.2	Use Appropriate protective clothing where required.		
	7.3	Follow hygienic practices during production operations.		
	7.4	Report accidents and unsafe practices promptly.		
Learners Signature:			Date:	
Assessors Signature:			Date:	
IQA Signature (if sampled)			Date:	
EQA Signature (if sampled)			Date:	

UNIT 009: BASIC HARVESTING AND HANDLING OF MEDICINAL PLANTS

Unit Reference Number: AGR/MPP/009/L1

NSQ Level: 1

Credit Value: 3

Guided Learning Hours: 30

Practice Time: 90 hours

Unit Purpose: This unit provides learners with basic skills for harvesting, sorting, handling, and storing medicinal plant materials to maintain quality.

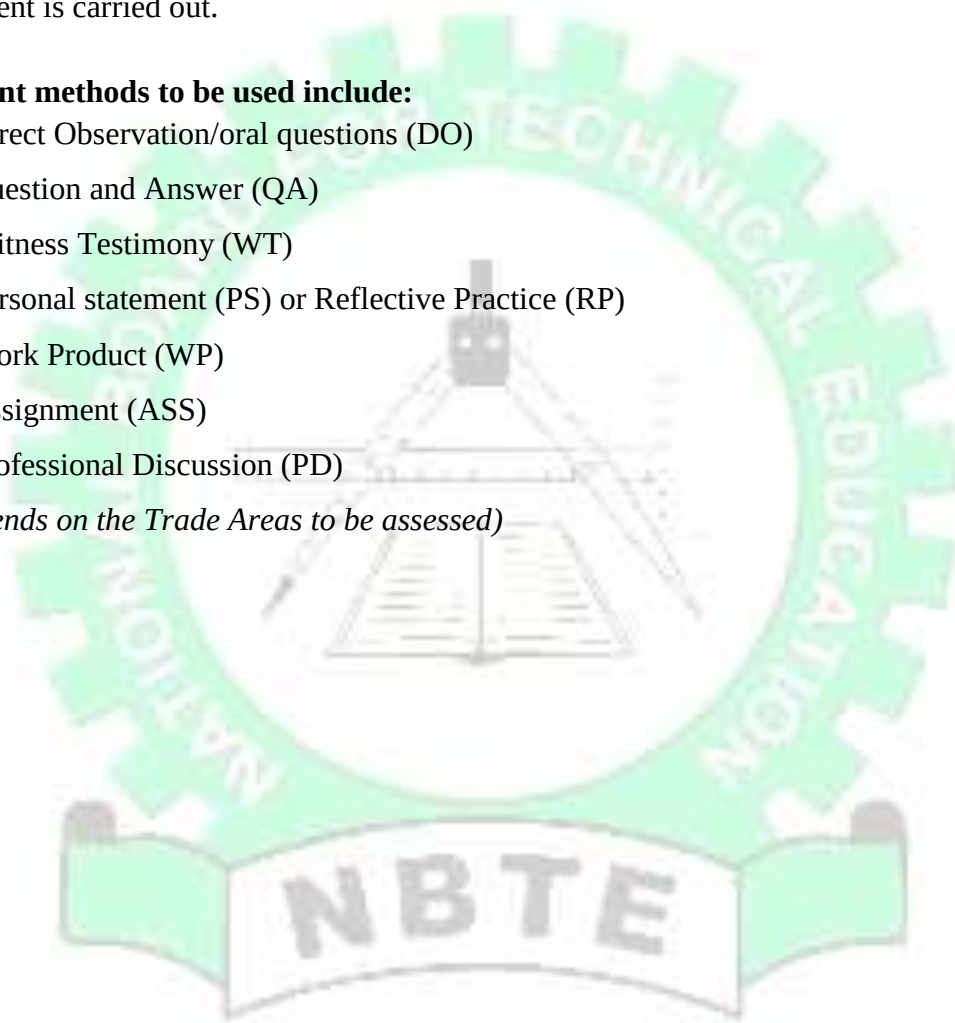
Unit assessment requirements/ evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out.

Assessment methods to be used include:

1. Direct Observation/oral questions (DO)
2. Question and Answer (QA)
3. Witness Testimony (WT)
4. Personal statement (PS) or Reflective Practice (RP)
5. Work Product (WP)
6. Assignment (ASS)
7. Professional Discussion (PD)

(This depends on the Trade Areas to be assessed)



Unit 009: Basic harvesting and handling of medicinal plants

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
LO 1: Prepare for harvesting activities.	1.1	Recognize mature leaves, roots, flowers, or seeds.		
	1.2	Follow supervisor harvest instructions.		
	1.3	Avoid immature materials.		
	1.4	Report damaged plant parts.		
LO 2: Harvest medicinal plant materials safely.	2.1	Use clean harvesting tools;		
	2.2	Harvest without unnecessary damage;		
	2.3	keep different materials separate;		
	2.4	Place harvested materials in clean containers.		
LO 3: Sort harvested materials.	3.1	Remove foreign matter;		
	3.2	Separate damaged materials;		
	3.3	Handle materials gently;		
	3.4	Maintain cleanliness during sorting.		
	3.5	Keep materials away from contamination;		
	3.6	Move materials carefully;		
Learners Signature:			Date:	
Assessors Signature:			Date:	
IQA Signature (if sampled)			Date:	
EQA Signature (if sampled)			Date:	



NATIONAL SKILLS QUALIFICATION

GENERAL INFORMATION

OVERVIEW

This qualification is for those interested in acquiring a Certification in Medicinal Plant Production for the award of National Skills Qualifications (NSQ). It is aimed at producing Craft Person at NSQ Level 2 with the competencies necessary to support Medicinal Plant Production.

This qualification is subject to review as and when the need arises

QUALIFICATION PURPOSE

This qualification is designed for individuals who are interested in acquiring certification as Craftsman.

QUALIFICATION REQUIREMENTS

All Candidates must:

- a. Be at least seventeen (17) years of age
- b. Be medically fit
- c. Be mentally fit (Mental alertness)
- d. Have achieved the NSQ Level 1 qualification in Medicinal Plant Production and Processing, or its equivalent
- e. Be a Nigerian citizen.
- f. Other nationals (International passport, residence permit)
- g. Be vetted

QUALIFICATION OBJECTIVES

At the end of the qualification, the Medicinal Plant Field Assistant II should be able to:

1. Communicate effectively in work environment
2. Relate effectively in work environment
3. Observe health and safety protocols
4. Classify medicinal plants using observable plant features, growth habits, plant parts used, and production requirements
5. Select a nursery site, prepare media and manage seedlings for medicinal plant production.

6. Conserve medicinal plant resources and apply sustainable production practices.
7. Propagate medicinal plants using seeds, cuttings, division and other basic vegetative methods.
8. Improve soil fertility using organic and safe nutrient management practices suitable for medicinal plants.
9. Apply basic irrigation methods and conserve water in medicinal plant production.
10. Identify and manage weeds, pests and diseases using integrated and safe practices.
11. Harvest medicinal plant at the appropriate stage and carry out basic post-harvest operations to maintain quality.

UNIT ASSESSMENT/EVIDENCE REQUIREMENTS:

Assessment must be carried out in real workplace environment in which learning and human development is carried out.



**NATIONAL SKILLS QUALIFICATION
MEDICINAL PLANT PRODUCTION AND PROCESSING**

LEVEL 2: MEDICINAL PLANT PRODUCTION ASSISTANT II

MANDATORY UNITS

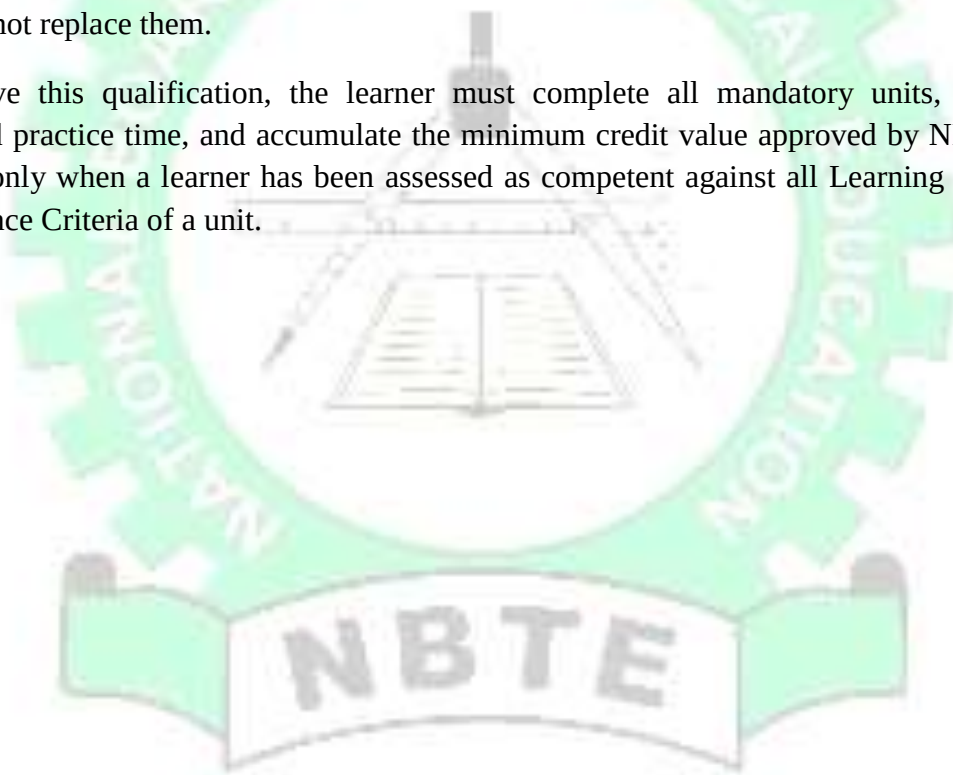
Unit	Unit Reference Number	Unit Title	Credit Value	Guided Learning Hours	Practice Time
1	AGR/MPP/001/L2	Communication in Medicinal Plant Production and Processing	3	30	-
2	AGR/MPP/002/L2	Occupational Health and safety in Medicinal Plant Production and Processing	3	30	4
3	AGR/MPP/003/L2	Team work in Medicinal Plant Production and Processing	3	30	4
4	AGR/MPP/004/L2	Classification of Medicinal Plant	3	30	21
5	AGR/MPP/005/L2	Nursery Establishment	3	30	21
6	AGR/MPP/006/L2	Environmental Conservation and Sustainable Practices	3	30	28
7	AGR/MPP/007/L2	Propagation Techniques	3	30	21
8	AGR/MPP/008/L2	Soil Fertility and Nutrient Management	3	30	26
9	AGR/MPP/009/L2	Irrigation and Water Conservation Practices	3	30	26
10	AGR/MPP/010/L2	Integrated Weed, Pest and Disease Management	3	30	21
11	AGR/MPP/011/L2	Harvest and Post Harvest Practices	3	30	26
TOTAL			33	330	198

QUALIFICATION STRUCTURE

This qualification comprises a total of **eleven (11) Mandatory Units**, with a credit value of **33 and 330 Guided Learning Hours (GLH)** across the full qualification. One (1) credit is equivalent to **ten (10) GLH**. Guided Learning Hours are the time a learner spends in the classroom, workshop and laboratory of the Skills Training Centre (STC), being taught, instructed, supervised or assessed by a qualified trainer, facilitator or assessor.

In addition to the GLH, the qualification requires at least twice or thrice the GLH as practice time. Practice time is the time a learner is expected to spend applying the skills of each unit in a real workplace environment, carrying out the same tasks repeatedly until performance becomes consistent, accurate and habitual to the standard the qualification demands. It is undertaken under the guidance of a workplace supervisor, recorded in the learner's logbook and duly endorsed. Practice time is the principal setting where core assessment is conducted. It is through repeated performance in the workplace that a learner's achievement of the Learning Outcomes and Performance Criteria is judged and evidenced. Practice time is an additional requirement to GLH and does not replace them.

To achieve this qualification, the learner must complete all mandatory units, undertake the prescribed practice time, and accumulate the minimum credit value approved by NBTE. Credit is awarded only when a learner has been assessed as competent against all Learning Outcomes and Performance Criteria of a unit.



GENERAL GUIDE

Unit Title	Provides a clear explanation of the content of the unit.
Unit Number	The unique number assigned to the unit
Unit Reference	The unique reference number given to each unit at qualification approval by NBTE
Unit Level	Denotes the level of the unit within the National Skills Qualifications Framework NSQF.
Unit Credit Value	The value that has been given to the unit based on the expected learning time for an average learner. 1 credit value = 10 guided learning hours
Unit Purpose	Provides a brief outline of the unit content.
Learning Outcome	A statement of what a learner will know, understand or be able to do, as a result of learning process.
Assessment Criteria	A description of the requirements a learner must achieve to demonstrate that a learning outcome has been met.
Unit Assessment Guidance	Any additional guidance provided to support the assessment of the unit.
Unit Guided Learning Hours	The average number of hours of supervised or directed study time or assessment required to achieve a qualification or unit of qualification.

UNIT 001: COMMUNICATION IN MEDICINAL PLANT PRODUCTION AND PROCESSING

Unit Reference Number: AGR/MPP/001/L2

NSQ Level: 2

Credit Value: 3

Guided Learning Hours: 30

Practice Time: 90 hours

Unit Purpose: This unit equips learners with the skills to communicate effectively in medicinal plant production, harvesting, and processing workplace.

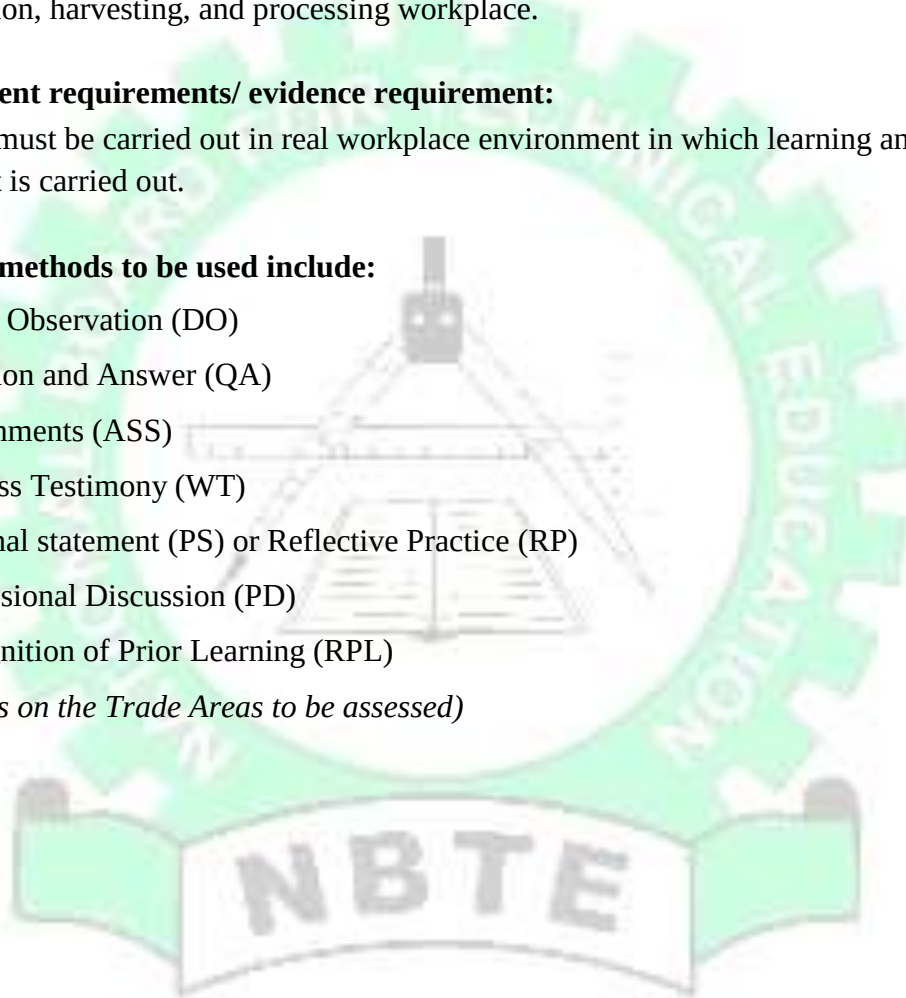
Unit assessment requirements/ evidence requirement:

Assessment must be carried out in real workplace environment in which learning and human development is carried out.

Assessment methods to be used include:

7. Direct Observation (DO)
8. Question and Answer (QA)
9. Assignments (ASS)
10. Witness Testimony (WT)
11. Personal statement (PS) or Reflective Practice (RP)
12. Professional Discussion (PD)
13. Recognition of Prior Learning (RPL)

(This depends on the Trade Areas to be assessed)



Unit 001: Communication in Medicinal Plant Production and Processing

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA The learner can:	Evidence Type	Evidence Ref. Page No.
The learner will:				
LO 1: Communicate effectively in the workplace	1.1	Use appropriate verbal and non-verbal communication techniques.		
	1.2	Follow workplace communication procedures.		
	1.3	Seek clarification when instructions are unclear.		
	1.4	Communicate respectfully with supervisors, colleagues, and customers		
LO 2: Maintain workplace records.	2.1	Complete workplace forms accurately.		
	2.2	Record production, harvesting, and processing information.		
	2.3	Maintain records according to workplace procedures.		
	2.4	Protect the confidentiality of workplace information.		
LO 3: Use digital communication tools.	3.1	Use digital communication tools appropriately.		
	3.2	Interpret workplace notices, labels, and instructions.		
	3.3	Store communication records according to workplace procedures.		
Learners Signature:			Date:	
Assessors Signature:			Date:	
IQA Signature (if sampled			Date:	
EQA Signature (if sampled)			Date:	

UNIT 002: OCCUPATIONAL HEALTH AND SAFETY IN MEDICINAL PLANT PRODUCTION AND PROCESSING

Unit Reference Number: AGR/MPP/002/L2

NSQ Level: 2

Credit Value: 3

Guided Learning Hours: 30

Practice Time: 90 hours

Unit Purpose: This unit equips learners with the knowledge, skills, and competence to apply occupational health, safety, and environmental practices during medicinal plant production, harvesting, and processing to prevent accidents, contamination, and workplace hazards.

Unit assessment requirements/ evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out.

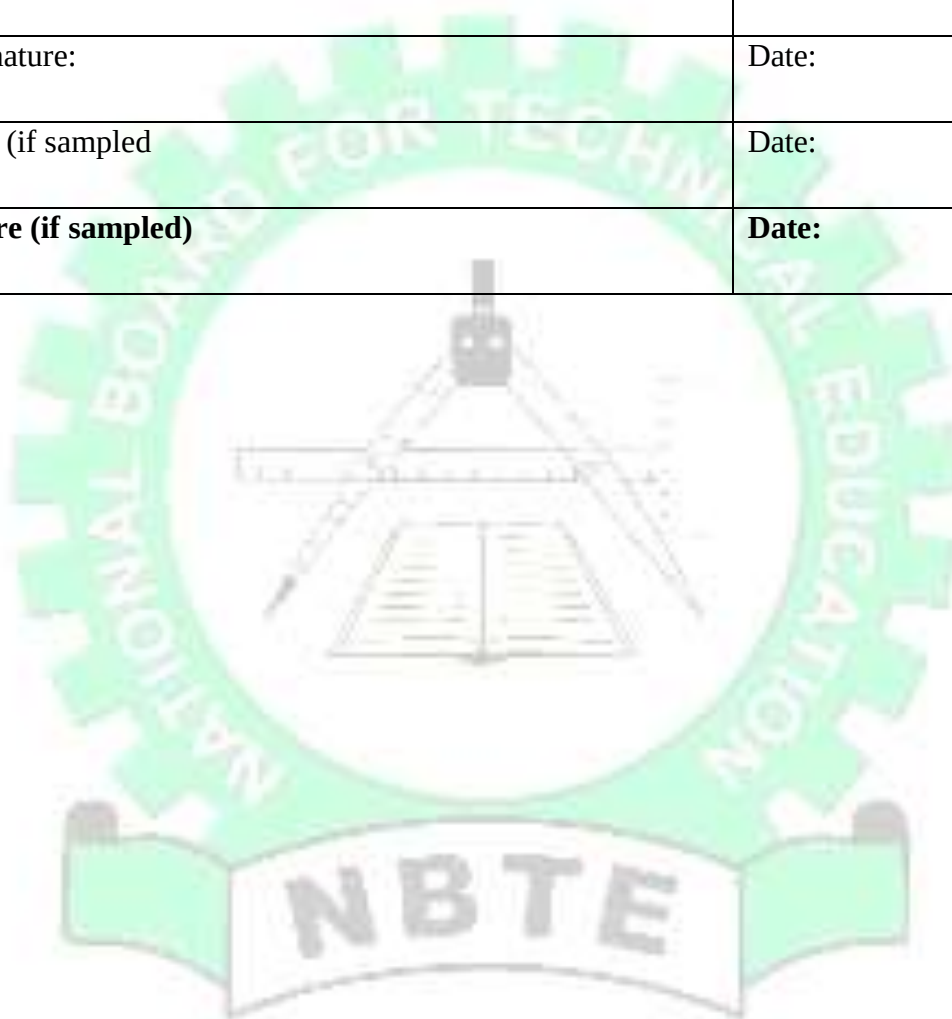
Assessment methods to be used include:

7. Direct Observation (DO)
8. Personal statement/Learning Journal (PS/LJ)
9. Questions and Answers (QA)
10. Witness Testimony (WT)
11. Assignment (ASS)
12. Professional Discussion (PD)
13. Recognition of Prior Learning (RPL)

Unit 002: Occupational Health and Safety in Medicinal Plant Production and Processing

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
LO 1: Apply workplace health and safety procedures.	1.1	Explain occupational health hazards		
	1.2	Comply with workplace health and safety policies and procedures.		
	1.3	Identify potential hazards associated with medicinal plant production and processing		
	1.4	Follow safe work practices during production, harvesting, and processing activities.		
	1.5	Report unsafe conditions and practices to the appropriate personnel		
LO 2: Promote environmental health and biosecurity practices.	2.1	Segregate waste according to workplace procedures.		
	2.2	Dispose waste according to workplace procedures.		
	2.3	Prevent contamination of medicinal plants and processing areas.		
	2.4	Explain biosecurity measures to minimise the spread of pests and diseases.		
	2.5	Use water, chemicals, and other resources responsibly.		
	2.6	Maintain environmental hygiene throughout production and processing activities.		
LO 3: Respond to workplace emergencies and incidents.	3.1	Recognise emergency situations in the workplace.		
	3.2	Follow workplace emergency response procedures.		

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
	3.3	Use basic fire safety equipment where appropriate.		
	3.4	Report accidents, injuries, and near-miss incidents promptly.		
Learners Signature:			Date:	
Assessors Signature:			Date:	
IQA Signature (if sampled			Date:	
EQA Signature (if sampled)			Date:	



UNIT 003: TEAMWORK IN MEDICINAL PLANT PRODUCTION AND PROCESSING
Unit Reference Number: AGR/MPP/003/L2

NSQ Level: 2

Credit Value: 3

Guided Learning Hours: 30

Practice Time: 90 hours

Unit Purpose: This unit equips learners with the knowledge, skills, and competence to work effectively with others during medicinal plant production, harvesting, and processing.

Unit assessment requirements/ evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out.

Assessment methods to be used include:

6. Direct Observation (DO)
7. Personal statement/Learning Journal (PS/LJ)
8. Questions and Answers (QA)
9. Witness Testimony (WT)
10. Assignment (ASS)
11. **Recognition of Prior Learning (RPL)**
12. **Professional Discussion (PD)**

(This depends on the Trade Areas to be assessed)



Unit 003: Teamwork in medicinal plant production and processing

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
LO 1: Work effectively as a member of a production team.	1.1	Identify individual roles and responsibilities within the production team.		
	1.2	Perform assigned tasks according to the team work plan		
	1.3	Cooperate with team members to achieve production targets.		
	1.4	Complete assigned tasks within agreed timelines.		
	1.5	Follow workplace policies and procedures while working with the team.		
LO 2: Communicate effectively with team members.	2.1	Exchange work-related information clearly and accurately.		
	2.2	Listen actively to instructions and feedback from supervisors and colleagues.		
	2.3	Participate in group discussion		
LO 3: Contribute to team performance during medicinal plant production and processing.	3.1	Participate actively in team meetings and work activities.		
	3.2	Assist team members in completing production and processing tasks when required.		
	3.3	Contribute ideas for improving productivity and work quality.		
LO 4: Demonstrate professionalism and accountability in teamwork.	4.1	Demonstrate honesty, integrity, and accountability in assigned duties.		
	4.2	Observe workplace rules, ethics, and codes of conduct.		

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
	4.3	Support health, safety, and environmental practices during team activities.		
	4.4	Take responsibility for the quality of assigned work.		
	4.5	Encourage cooperation, mutual respect, and continuous improvement within the team.		
Learners Signature:	Date:			
Assessors Signature:	Date:			
IQA Signature (if sampled)	Date:			
EQA Signature (if sampled)	Date:			

UNIT 004: CLASSIFICATION OF MEDICINAL PLANTS

Unit Reference Number: AGR/MPP/004/L2

NSQ Level: 2

Credit Value: 3

Guided Learning Hours: 30

Practice Time: 90 hours

Unit Purpose: This unit enables learners to classify medicinal plants using observable plant features, growth habits, plant parts used, and production requirements.

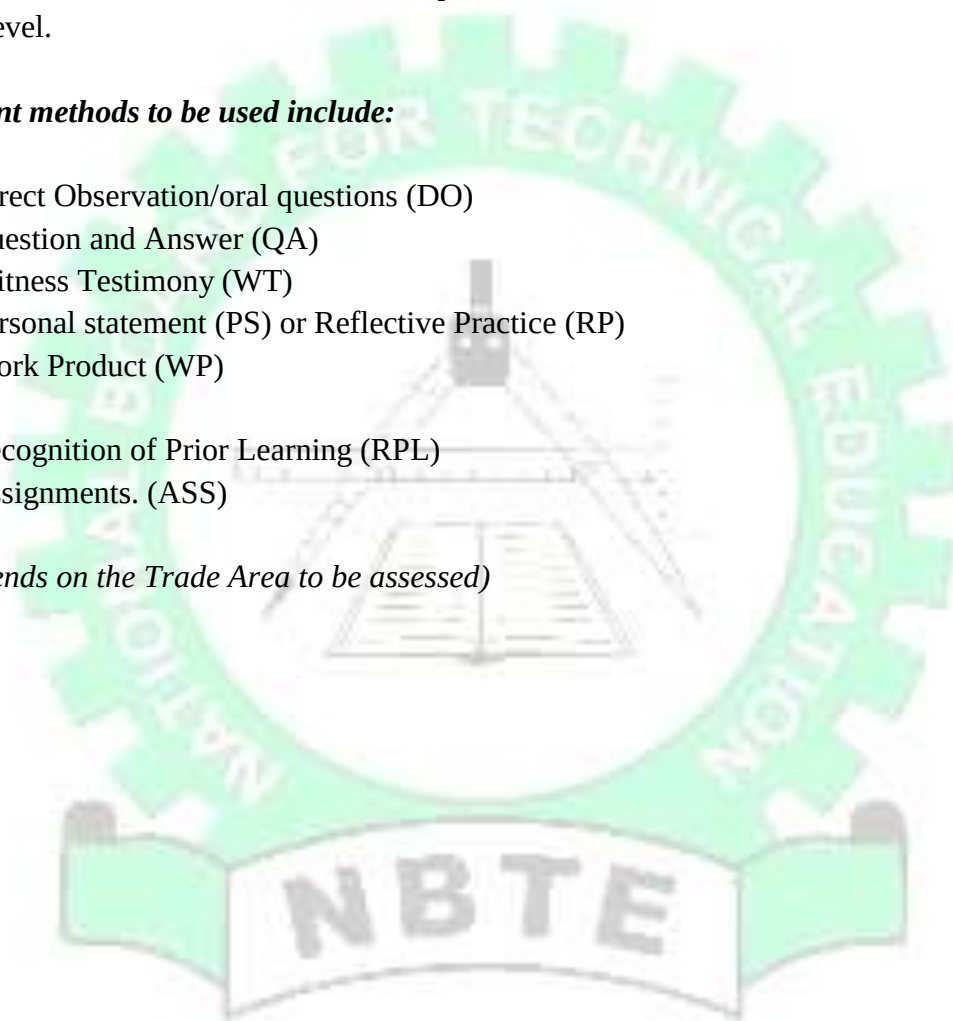
Unit assessment requirements/evidence requirements:

Assessment must be carried out in real workplace environment. ***Simulation is not allowed*** in this unit and level.

Assessment methods to be used include:

1. Direct Observation/oral questions (DO)
2. Question and Answer (QA)
3. Witness Testimony (WT)
4. Personal statement (PS) or Reflective Practice (RP)
5. Work Product (WP)
6. Recognition of Prior Learning (RPL)
7. Assignments. (ASS)

(This depends on the Trade Area to be assessed)



Unit 004: Classification of medicinal plants

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA (PC)	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
LO 1: Classify plants by botanical features.	1.1	Describe leaf shape		
	1.2	Describe stem type		
	1.3	Identify flower or seed features.		
	1.4	Group plants by similar features.		
LO 2: Classify plants by the parts used	2.1	Identify leaves used		
	2.2	Identify roots used		
	2.3	Identify bark, flowers, fruits, or seeds used		
LO 3: Classify plants by growth habit	3.1	Distinguish grass		
	3.2	Distinguish shrubs		
	3.3	Distinguish trees		
Learners Signature:			Date:	
Assessors Signature:			Date:	
IQA Signature (if sampled)			Date:	
EQA Signature (if sampled)			Date:	

UNIT 005: NURSERY ESTABLISHMENT

Unit Reference Number: AGR/MPP/005/L2

NSQ Level: 2

Credit Value: 3

Guided Learning Hours: 30

Practice Time: 90 hours

Unit Purpose: This unit provides skills for selecting a nursery site, setting up nursery facilities, preparing media, and managing seedlings for medicinal plant production.

Unit assessment requirements/evidence requirements:

Assessment must be carried out in real workplace environment. in which learning and human development is carried out. **Simulation is not allowed** in this unit and level.

Assessment methods to be used include:

8. Direct Observation/oral questions (DO)
9. Question and Answer (QA)
10. Witness Testimony (WT)
11. Personal statement (PS) or Reflective Practice (RP)
12. Work Product (WP)
13. Recognition of Prior Learning (RPL)
14. Professional Discussion (PD)
15. Assignments. (ASS)

(This depends on the Trade Areas to be assessed)

Unit 005: Nursery establishment

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA (PC)	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
LO 1: Select a nursery site.	1.1	Determine water availability for nursery establishment		
	1.2	Construct drainage channel		
	1.3	Recognise accessibility and security for nursery establishment		
	1.4	Select a suitable shaded area for nursery establishment		
LO 2: Set up nursery structures	2.1	Arrange beds or benches		
	2.2	Install shade materials		
	2.3	Organize potting areas		
	2.4	Maintain safe walkways		
LO 3: Prepare growing media	3.1	Mix soil, sand, and organic matter		
	3.2	Remove stones and debris		
	3.3	Moisten media before use.		
	3.4	Store media safely		
LO 4: Manage nursery seedlings	4.1	Water seedlings according to need		
	4.2	Thin overcrowded seedlings		
	4.3	Harden seedlings before transplanting		
	4.4	Record seedling performance		
Learners Signature:			Date:	
Assessors Signature:			Date:	
IQA Signature (if sampled)			Date:	
EQA Signature (if sampled)			Date:	

UNIT 006: ENVIRONMENTAL CONSERVATION AND SUSTAINABLE PRACTICES

Unit Reference Number: AGR/MPP/006/L2

NSQ Level: 2

Credit Value: 3

Guided Learning Hours: 30

Practice Time: 90 hours

Unit Purpose: This unit equips learners with knowledge and skills to conserve medicinal plant resources and apply sustainable production practices

Unit assessment requirements/evidence requirements:

Assessment must be carried out in real workplace environment. **Simulation is not allowed** in this unit and level.

Assessment methods to be used include:

1. Direct Observation/oral questions (DO)
2. Question and Answer (QA)
3. Witness Testimony (WT)
4. Personal statement (PS) or Reflective Practice (RP)
5. Work Product (WP)
6. Assignment (ASS)
7. Professional Discussion (PD)
8. Recognition of Prior Learning (RPL)

(This depends on the Trade Areas to be assessed)

Unit 006: Environmental conservation and sustainable practices

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA (PC)	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
LO 1: Explain environmental conservation in medicinal plant production and processing	1.1	Identify the importance of conserving soil, water, plants, and biodiversity		
	1.2	State the environmental impacts of poor farming practices.		
	1.3	Recognize the need for sustainable use of medicinal plant resources		
	1.4	Identify common environmental hazards associated with medicinal plant production.		
LO 2: Apply basic soil and water conservation practices.	2.1	Maintain ground cover or mulch to reduce soil erosion.		
	2.2	Follow simple measures to prevent water wastage		
	2.3	Avoid practices that cause soil degradation or contamination		
	2.4	Assist in maintaining drainage channels and water conservation structures		
	2.5	Protect water sources from contamination.		
LO 3: Practice sustainable use of farm inputs and resources.	3.1	Use water, energy, and farm inputs efficiently		
	3.2	Minimize wastage of seeds, planting materials, and organic inputs.		
	3.3	Follow instructions for the safe use of fertilizers and plant protection materials.		
	3.4	Promote the use of organic and environmentally friendly practices where applicable.		
	3.5	Identify mechanical methods for pest control		

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA (PC)	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
	3.6	Use biological control method to control pest in root and tuber product store		
LO 4: Support biodiversity conservation	4.1	Identify the importance of conserving beneficial plants, insects, and wildlife		
	4.2	Avoid unnecessary destruction of natural vegetation.		
	4.3	Follow approved harvesting methods that do not damage plant populations.		
	4.4	Assist in protecting endangered or rare medicinal plant species.		
LO 5: Maintain cleanliness and proper waste management on the farm and processing area.	5.1	Segregate biodegradable and non-biodegradable wastes.		
	5.2	Dispose of farm and processing wastes according to guidelines.		
	5.3	Keep work areas free from litter and contaminants.		
	5.4	Participate in composting or recycling activities where available.		
LO 6: Follow environmental health and safety requirements.	6.1	Use personal protective equipment (PPE) as instructed.		
	6.2	Report environmental hazards such as spills,		
	6.3	Observe workplace environmental and safety rules.		
	6.4	Participate in environmental awareness and conservation activities		
Learners Signature:			Date:	

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA (PC)	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
Assessors Signature:			Date:	
IQA Signature (if sampled)			Date:	
EQA Signature (if sampled)			Date:	



UNIT 007: PROPAGATION TECHNIQUES

Unit Reference Number: AGR/MPP/007/L2

NSQ Level: 2

Credit Value: 3

Guided Learning Hours: 30

Practice Time: 90 hours

Unit Purpose: This unit develops learner's competence in propagating medicinal plants using seeds, cuttings, division, and other basic vegetative methods.

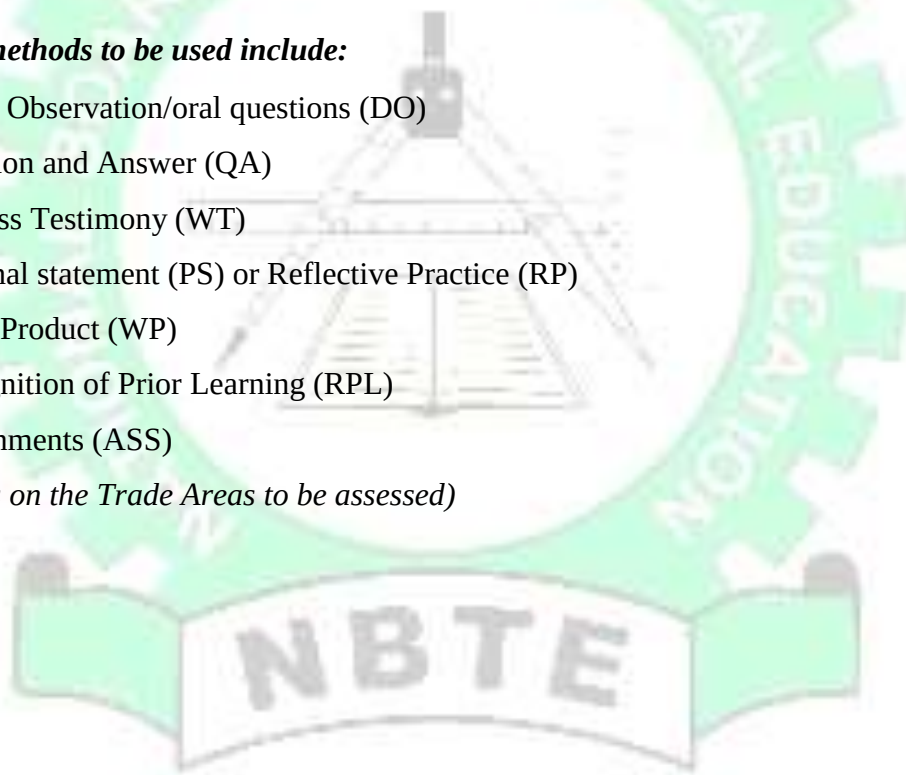
Unit assessment requirements/evidence requirements:

Assessment must be carried out in real workplace environment. *Simulation is not allowed in this Unit*

Assessment methods to be used include:

8. Direct Observation/oral questions (DO)
9. Question and Answer (QA)
10. Witness Testimony (WT)
11. Personal statement (PS) or Reflective Practice (RP)
12. Work Product (WP)
13. Recognition of Prior Learning (RPL)
14. Assignments (ASS)

(This depends on the Trade Areas to be assessed)



LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA (PC)	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
LO 1: Propagate medicinal plants by seed	1.1	Select viable seeds		
	1.2	Apply simple seed treatment where required		
	1.3	Sow seeds at suitable depth		
	1.4	Monitor germination		
LO 2: Propagate by stem or root cuttings	2.1	Select healthy parent plants		
	2.2	Cut planting materials correctly		
	2.3	Place cuttings in suitable media		
	2.4	Maintain moisture during rooting		
LO 3: Propagate by division or separation	3.1	Identify suitable clumps		
	3.2	Separate plant sections carefully.		
	3.3	Replant divisions promptly		
	3.4	Water divisions after planting		
LO 4: Maintain propagation records	4.1	Record propagation method		
	4.2	Note date of propagation		
	4.3	Record survival rate		
	4.4	report propagation problems		
Learners Signature:			Date:	
Assessors Signature:			Date:	
IQA Signature (if sampled)			Date:	
EQA Signature (if sampled)			Date:	

UNIT 008: SOIL FERTILITY AND NUTRIENTS MANAGEMENT

Unit Reference Number: AGR/MPP/008/L2

NSQ Level: 2

Credit Value: 3

Guided Learning Hours: 30

Practice Time: 90 hours

Unit Purpose: This unit enables learners to improve soil fertility using organic and safe nutrient management practices suitable for medicinal plants

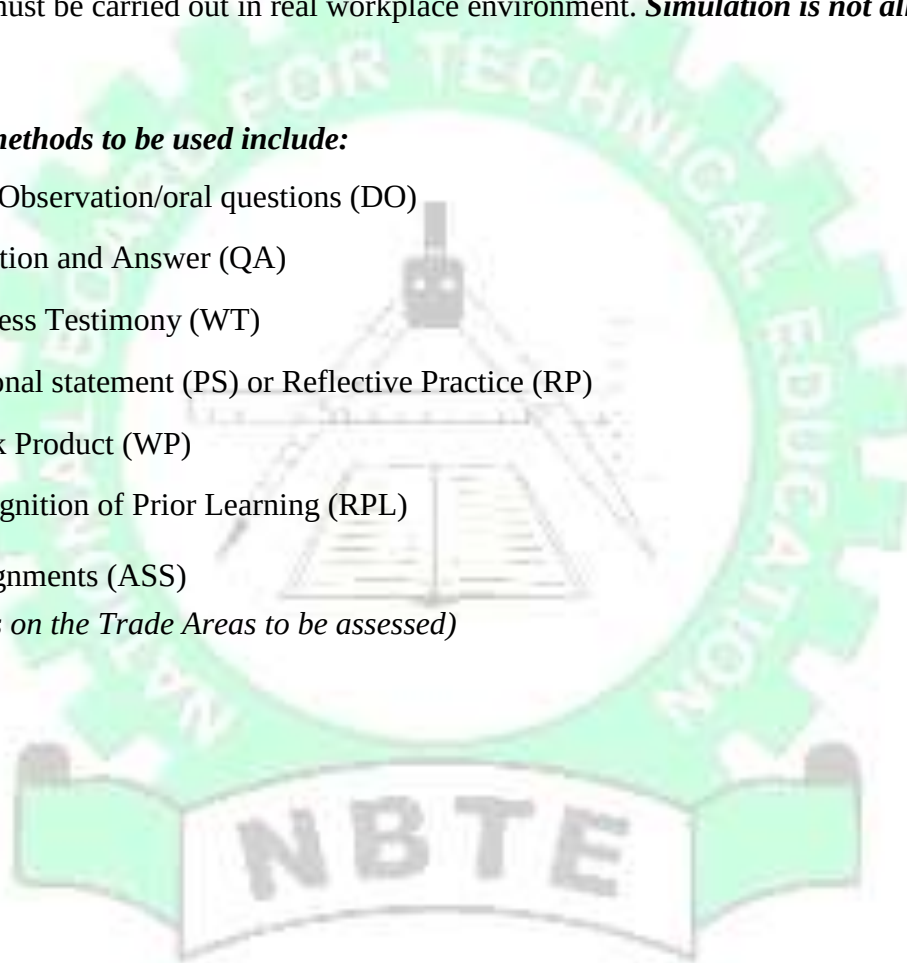
Unit assessment requirements/evidence requirements:

Assessment must be carried out in real workplace environment. ***Simulation is not allowed in this unit***

Assessment methods to be used include:

8. Direct Observation/oral questions (DO)
9. Question and Answer (QA)
10. Witness Testimony (WT)
11. Personal statement (PS) or Reflective Practice (RP)
12. Work Product (WP)
13. Recognition of Prior Learning (RPL)
14. Assignments (ASS)

(This depends on the Trade Areas to be assessed)



Unit 008: Soil fertility and nutrients management

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA (PC)	Evidence Type		Evidence Ref. Page No.
The learner will:		The learner can:			
LO 1: Assess basic soil condition	1.1	Test soil texture			
	1.2	Identify signs of poor fertility			
	1.3	Check soil moisture			
	1.4	Report soil problems			
LO 2: Apply organic manure or compost.	2.1	Select well-decomposed manure			
	2.2	Apply recommended quantity			
	2.3	Mix manure into soil			
	2.4	Avoid contaminating plant materials			
LO 3: Support nutrient management	3.1	Identify nutrient deficiency symptoms			
	3.2	Follow fertilizer application instructions			
	3.3	Avoid excessive application of nutrient			
	3.4	Keep nutrient records			
LO 4: Maintain soil health	4.1	Use mulching where appropriate			
	4.2	Avoid soil compaction			
	4.3	Maintain crop residue cover			
	4.4	Support crop rotation practices			
Learners Signature:			Date:		
Assessors Signature:			Date:		
IQA Signature (if sampled)			Date:		
EQA Signature (if sampled)			Date:		

UNIT 009: IRRIGATION AND WATER CONSERVATION PRACTICES

Unit Reference Number: AGR/MPP/009/L2

NSQ Level: 2

Credit Value: 3

Guided Learning Hours: 30

Practice Time: 90 hours

Unit Purpose: This unit equips learners to apply basic irrigation methods and conserve water in medicinal plant production and processing.

Unit assessment requirements/evidence requirements:

Assessment must be carried out in real workplace environment, in which learning and human development is carried out. ***Simulation is NOT allowed*** in this unit and level.

Assessment methods to be used include:

1. Direct Observation/oral questions (DO)
2. Question and Answer (QA)
3. Witness Testimony (WT)
4. Personal statement (PS) or Reflective Practice (RP)
5. Work Product (WP)
6. Recognition of Prior Learning (RPL)
7. Assignments (ASS)
8. Professional Discussion (PD)

(This depends on the Trade Areas to be assessed)

Unit 009: Irrigation and water conservation practices

LEARNING OUTCOME (LO) The learner will:		PERFORMANCE CRITERIA (PC) The learner can:	Evidence Type		Evidence Ref. Page No.
LO 1: Determine crop water needs	1.1	Test soil moisture			
	1.2	Identify wilting symptoms			
	1.3	Explain favorable weather conditions for planting			
	1.4	Report water stress			
LO 2: Apply irrigation Method	2.1	Use watering cans or hoses correctly			
	2.2	Avoid waterlogging			
	2.3	Water plants at suitable time			
	2.4	Prevent soil erosion during watering			
LO 3: Conserve water	3.1	Use mulch to reduce evaporation			
	3.2	Repair minor leaks			
	3.3	Collect water responsibly			
	3.4	Avoid unnecessary water use			
LO 4: Maintain irrigation equipment	4.1	Clean watering tools			
	4.2	Store hoses properly			
	4.3	Report damaged equipment			
	4.4	Keep water points clean			
Learners Signature:			Date:		
Assessors Signature:			Date:		
IQA Signature (if sampled)			Date:		
EQA Signature (if sampled)			Date:		

UNIT 010: WEED, PEST AND DISEASE MANAGEMENT

Unit Reference Number: AGR/MPP/010/L2

NSQ Level: 2

Credit Value: 3

Guided Learning Hours: 30

Practice Time: 90 hours

Unit Purpose: This unit is designed to equip learners with knowledge and skills to identify and manage weeds, pests, and diseases using integrated and safe practices.

Unit assessment requirements/evidence requirements:

Assessment must be carried out in real workplace environment. ***Simulation is not allowed*** in this unit and level.

Assessment methods to be used include:

1. Direct Observation/oral questions (DO)
2. Question and Answer (QA)
3. Witness Testimony (WT)
4. Personal statement (PS) or Reflective Practice (RP)
5. Work Product (WP)
6. Recognition of Prior Learning (RPL)
7. Professional Discussion (PD)

(This depends on the Trade Areas to be assessed)

Unit 010: Integrated weed, pest and disease management

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA (PC)	Evidence Type		Evidence Ref. Page No.
The learner will:		The learner can:			
LO 1: Identify weeds, pests and diseases of medicinal plants.	1.1	Recognize common weeds			
	1.2	List common pests that affect medicinal plant			
	1.3	List common disease that affect medicinal plants			
	1.4	Identify pest damages			
	1.5	Identify disease symptoms			
	1.6	Report unusual infestations			
LO 2: Apply cultural methods for pest and disease control	2.1	Use spacing to reduce disease spread			
	2.2	Remove infected plant parts			
	2.3	Maintain field hygiene			
	2.4	Rotate crops were instructed			
LO 3: Use safe control measures	3.1	Apply approved control methods			
	3.2	Wear PPEs			
	3.3	Avoid contaminating medicinal plant materials;			
	3.4	Follow labelled or supervisor instructions			
LO 4: Measure effectiveness of pest and disease control	4.1	Identify crops after control activities			
	4.2	Record pest or disease levels			
	4.3	Report recurring problems			
	4.4	Report follow-up action to the supervisor.			
Learners Signature:			Date:		
Assessors Signature:			Date:		

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA (PC)	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
IQA Signature (if sampled)			Date:	
EQA Signature (if sampled)			Date:	



UNIT 011: HARVEST AND POST-HARVEST PRACTICES

Unit Reference Number: AGR/MPP/011/L2

NSQ Level: 2

Credit Value: 3

Guided Learning Hours: 30

Practice Time: 90 hours

Unit Purpose: This unit enables learners to harvest medicinal plant materials at the appropriate stage and carry out basic post-harvest operations to maintain quality

Unit assessment requirements/evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out. **Simulation is not allowed** in this unit and level.

Assessment methods to be used include:

1. Direct Observation/oral questions (DO)
2. Question and Answer (QA)
3. Witness Testimony (WT)
4. Personal statement (PS) or Reflective Practice (RP)
5. Work Product (WP)
6. Recognition of Prior Learning (RPL)
7. Assignments, (ASS)
8. Professional Discussion (PD)

(This depends on the Trade Areas to be assessed)

Unit 011: Harvest and post-harvest practices

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA (PC)	Evidence Type	Evidence Ref	Page number
The learner will:		The learner can:			
LO 1: Determine harvest maturity	1.1	Identify mature plant parts			
	1.2	Follow crop-specific harvest timing			
	1.3	Identify contaminated materials			
	1.4	Report poor quality materials not suitable for harvest.			
LO 2: Harvest using appropriate methods	2.1	Use clean tools during harvesting.			
	2.2	Minimise plant damage during harvest			
	2.3	Separate different plant materials during harvest			
	2.4	Maintain hygiene during harvest			
LO 3: Carry out post-harvest handling	3.1	Sort plant materials			
	3.2	Clean plant materials as required			
	3.3	Dry plant materials under suitable conditions			
	3.4	Protect plant materials from pests and moisture.			
LO 4: Package plant materials	4.1	Use clean packaging			
	4.2	Label products accurately			
	4.3	Record packaged quantities			
LO 5: Store harvested plant materials	5.1	Select suitable storage area for harvested plant materials			
	5.2	Store materials in dry areas			
	5.3	Record harvested stored quantities			

Learners Signature:	Date:
Assessors Signature:	Date:
IQA Signature (if sampled)	Date:
EQA Signature (if sampled)	Date:

NATIONAL SKILLS QUALIFICATION (NSQ)



GENERAL INFORMATION

OVERVIEW

This qualification is for those interested in acquiring a Certification in Medicinal Plant Production and Processing for the award of National Skills Qualifications (NSQ). It is aimed at producing Medicinal Plant Production Craft at NSQ Level 3 with the competencies necessary to support formal Medicinal Plant Production Processing.

This qualification is subject to review as and when the need arises

QUALIFICATION PURPOSE

This qualification is designed for individuals who are interested in acquiring certification as Medicinal Plant Production Craft

QUALIFICATION REQUIREMENTS

All Candidates must:

- h. Be at least eighteen (18) years of age
- i. Be medically fit
- j. Be physically fit
- k. Be mentally fit (Mental alertness)
- l. Have achieved the NSQ Level 2 qualification in Medicinal Plant Production and Processing, or its equivalent
- m. Be a Nigerian citizen.
- n. Other nationals (International passport, residence permit)
- o. Be vetted

QUALIFICATION OBJECTIVES

At the end of the qualification, the Medicinal Plant Production Craftsman should be able to:

- a. Communicate effectively in work environment
- b. Relate effectively in work environment
- c. Observe health and safety protocols
- d. Apply sustainable production systems for medicinal plants while protecting soil, water, biodiversity and product quality.
- e. Keep accurate records of production, nursery, harvesting, processing, inventory, and sales of

medicinal plant products

- f. Process harvested medicinal plant materials through cleaning, sorting, drying, cutting, grinding, packaging, and storage while maintaining hygiene and quality.
- g. Identify customers, prepare products for sale, communicate product information responsibly and keep basic marketing records.



**NATIONAL SKILLS QUALIFICATION
MEDICINAL PLANT PRODUCTION AND PROCESSING
LEVEL 3: MEDICINAL PLANT PRODUCTION CRAFT**

MANDATORY UNITS

Unit	Unit Reference Number	Unit Title	Credit Value	Guided Learning Hours	Practice Time
1	AGR/MPP/001/L3	Communication in Medicinal Plant Production and Processing	3	30	90
2	AGR/MPP/002/L3	Occupational Health and safety in Medicinal Plant Production and Processing	3	30	90
3	AGR/MPP/003/L3	Team work in Medicinal Plant Production and Processing	3	30	90
4	AGR/MPP/004/L3	Sustainable Medicinal Plants Production	8	80	240
5	AGR/MPP/005/L3	Basic Records Keeping	6	60	180
6	AGR/MPP/006/L3	Processing of Medicinal Plants Materials/Products	9	90	270
7	AGR/MPP/007/L3	Marketing Medicinal Plants and Products	6	60	180
TOTAL			38	380	1140

QUALIFICATION STRUCTURE

This qualification comprises a total of **seven (7) Mandatory Units**, with a credit value of **38 and 380 Guided Learning Hours (GLH)** across the full qualification. One (1) credit is equivalent to **ten (10) GLH**. Guided Learning Hours are the time a learner spends in the classroom, workshop and laboratory of the Skills Training Centre (STC), being taught, instructed, supervised or assessed by a qualified trainer, facilitator or assessor.

In addition to the GLH, the qualification requires at least twice or thrice the GLH as practice time. Practice time is the time a learner is expected to spend applying the skills of each unit in a real workplace environment, carrying out the same tasks repeatedly until performance becomes consistent, accurate and habitual to the standard the qualification demands. It is undertaken under

the guidance of a workplace supervisor, recorded in the learner's logbook and duly endorsed. Practice time is the principal setting where core assessment is conducted. It is through repeated performance in the workplace that a learner's achievement of the Learning Outcomes and Performance Criteria is judged and evidenced. Practice time is an additional requirement to GLH and does not replace them.

To achieve this qualification, the learner must complete all mandatory units, undertake the prescribed practice time, and accumulate the minimum credit value approved by NBTE. Credit is awarded only when a learner has been assessed as competent against all Learning Outcomes and Performance Criteria of a unit.



GENERAL GUIDE

Unit Title	Provides a clear explanation of the content of the unit.
Unit Number	The unique number assigned to the unit
Unit Reference	The unique reference number given to each unit at qualification approval by NBTE
Unit Level	Denotes the level of the unit within the National Skills Qualifications Framework NSQF.
Unit Credit Value	The value that has been given to the unit based on the expected learning time for an average learner. 1 credit value = 10 guided learning hours
Unit Purpose	Provides a brief outline of the unit content.
Learning Outcome	A statement of what a learner will know, understand or be able to do, as a result of learning process.
Assessment Criteria	A description of the requirements a learner must achieve to demonstrate that a learning outcome has been met.
Unit Assessment Guidance	Any additional guidance provided to support the assessment of the unit.
Unit Guided Learning Hours	The average number of hours of supervised or directed study time or assessment required to achieve a qualification or unit of qualification.

UNIT 001: COMMUNICATION IN MEDICINAL PLANT PRODUCTION AND PROCESSING

Unit Reference Number: AGR/MPP/001/L3

NSQ Level: 3

Credit Value: 3

Guided Learning Hours: 30

Practice Time: 90 hours

Unit Purpose: This unit equips learners with the knowledge, skills, and competence to communicate effectively with supervisors, colleagues, customers, and other stakeholders during medicinal plant production and processing.

Unit assessment requirements/evidence requirements:

Assessment must be carried out in real workplace environment.

Assessment methods to be used include:

1. Direct Observation/oral questions (DO)
2. Question and Answer (QA)
3. Witness Testimony (WT)
4. Personal statement (PS) or Reflective Practice (RP)
5. Work Product (WP)
6. Recognition of Prior Learning (RPL)
7. Assignments, (ASS).
8. Professional Discussion (PD)

(This depends on the Trade Areas to be assessed)

Unit 001: Effective Communication in Medicinal Plant Production and Processing

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA (PC)	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
LO 1: Communicate effectively with workplace personnel.	1.1	Exchange information clearly with supervisors and team members		
	1.2	Use appropriate verbal, written, and non-verbal communication methods		
	1.3	Seek clarification where instructions are unclear.		
	1.4	Respond professionally to workplace enquiries.		
	1.5	Maintain respectful and courteous communication at all times.		
LO 2: Communicate quality and safety information.	2.1	Report product defects or contamination immediately.		
	2.2	Communicate health and safety hazards to relevant personnel.		
	2.3	Notify supervisors of deviations from standard operating procedures.		
	2.4	Share quality control information with relevant team members		
LO 3: Participate in workplace meetings and team communication.	3.1	Contribute ideas and feedback during meetings		
	3.2	Share relevant production and processing information with team members		
	3.3	Listen actively and respond appropriately to others		
	3.4	Support effective teamwork through open communication.		
	3.5	Communicate progress and work completion to supervisors.		
LO 4: Communicate with	4.1	Provide accurate information		

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA (PC)	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
<i>customers and external stakeholders professionally.</i>		about medicinal plant products within own responsibility.		
	4.2	Respond politely to customer or stakeholder enquiries.		
	4.3	Refer complex enquiries to the appropriate personnel.		
	4.4	Follow workplace protocols when communicating with suppliers and visitors.		
	4.5	Promote a positive image of the organization through professional communication.		
Learners Signature:			Date:	
Assessors Signature:			Date:	
IQA Signature (if sampled)			Date:	
EQA Signature (if sampled)			Date:	

UNIT 002: OCCUPATIONAL HEALTH AND SAFETY IN MEDICINAL PLANT PRODUCTION AND PROCESSING

Unit Reference Number: AGR/MPP/002/L3

NSQ Level: 3

Credit Value: 3

Guided Learning Hours: 30

Practice Time: 90 hours

Unit Purpose: This unit equips learners with the knowledge, skills, and competence to identify workplace hazards, implement risk control measures, use personal protective equipment correctly, respond to emergencies, and promote a safe and healthy working environment during medicinal plant production and processing.

Unit Assessment/Evidence Requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out. Simulation is not allowed in this unit and level.

Assessment methods to be used include:

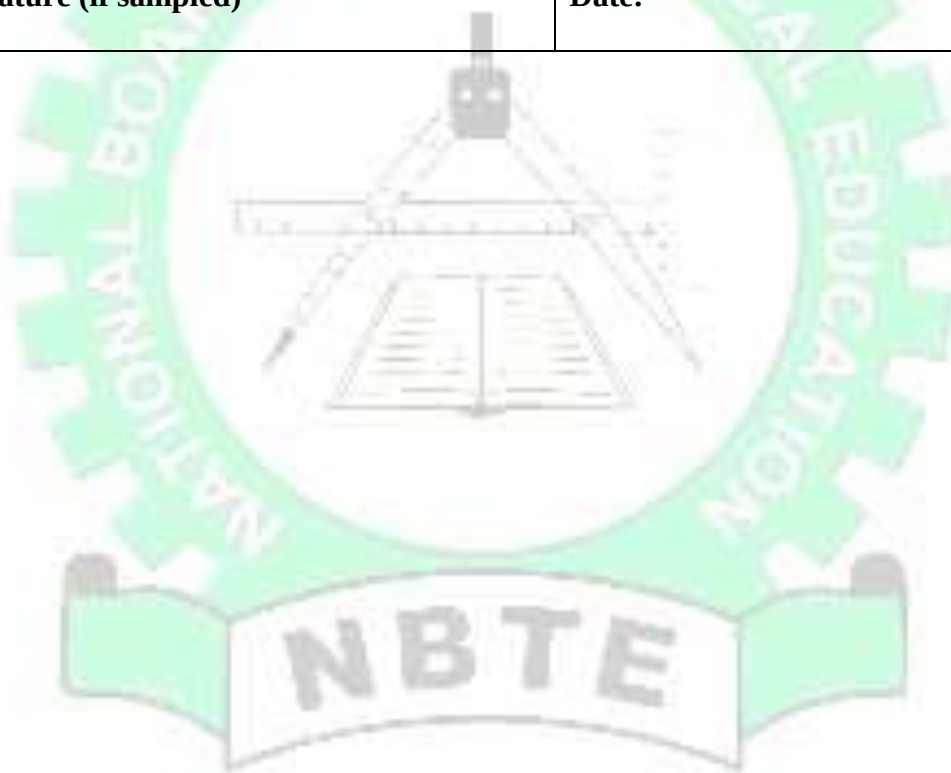
1. Direct Observation (DO)
2. Question and Answer (QA)
3. Witness Testimony (WT)
4. Personal statement (PS) or Reflective Practice (RP)
5. Assignment (ASS)
6. Recognition of Prior Learning (RPL)
7. Professional Discussion (PD)

(This depends on the Trade Areas to be assessed)

Unit 002: Occupational Health and Safety in Medicinal Plant Production and Processing

LEARNING OUTCOME (LO) The learner will:		PERFORMANCE CRITERIA (PC) The learner can:	Evidence Type					Evidence Ref. Page No.			
LO 1: Apply workplace health and safety requirements	1.1	Interpret workplace health and safety policies and procedures.									
	1.2	Comply with legal and organizational health and safety requirements.									
	1.3	Use safe work practices during medicinal plant production and processing.									
	1.4	Maintain a clean, safe, and organized work environment.									
	1.5	Report unsafe conditions to the appropriate personnel promptly.									
LO 2: Use personal protective equipment (PPE) and safe handling practices	2.1	Select appropriate PPE for specific production and processing tasks									
	2.2	Handle tools, equipment, and medicinal plant materials safely.									
	2.3	Store hazardous substances and plant materials safely after use.									
	2.4	Dispose of waste materials using approved environmental and workplace procedures.									
LO 3: Respond to workplace emergencies and incidents	3.1	Recognise workplace emergencies such as fire, chemical spills, equipment failure, and injuries.									
	3.2	Follow workplace emergency response procedures promptly.									
	3.3	Use available emergency equipment safely where authorized.									
	3.4	Provide basic first response within the limits of workplace procedure									

LEARNING OUTCOME (LO) The learner will:		PERFORMANCE CRITERIA (PC) The learner can:	Evidence Type		Evidence Ref. Page No.
	3.5	Report accidents, incidents, and near misses accurately and promptly.			
Learners Signature:			Date:		
Assessors Signature:			Date:		
IQA Signature (if sampled)			Date:		
EQA Signature (if sampled)			Date:		



UNIT 003: TEAMWORK IN MEDICINAL PLANT PRODUCTION AND PROCESSING

Unit Reference Number: AGR/MPP/003/L3

NSQ Level: 3

Credit Value: 3

Guided Learning Hours: 30

Practice Time: 90 hours

Unit Purpose: This unit equips learners with the knowledge, skills, and competence to work effectively with supervisors and team members in medicinal plant production and processing activities

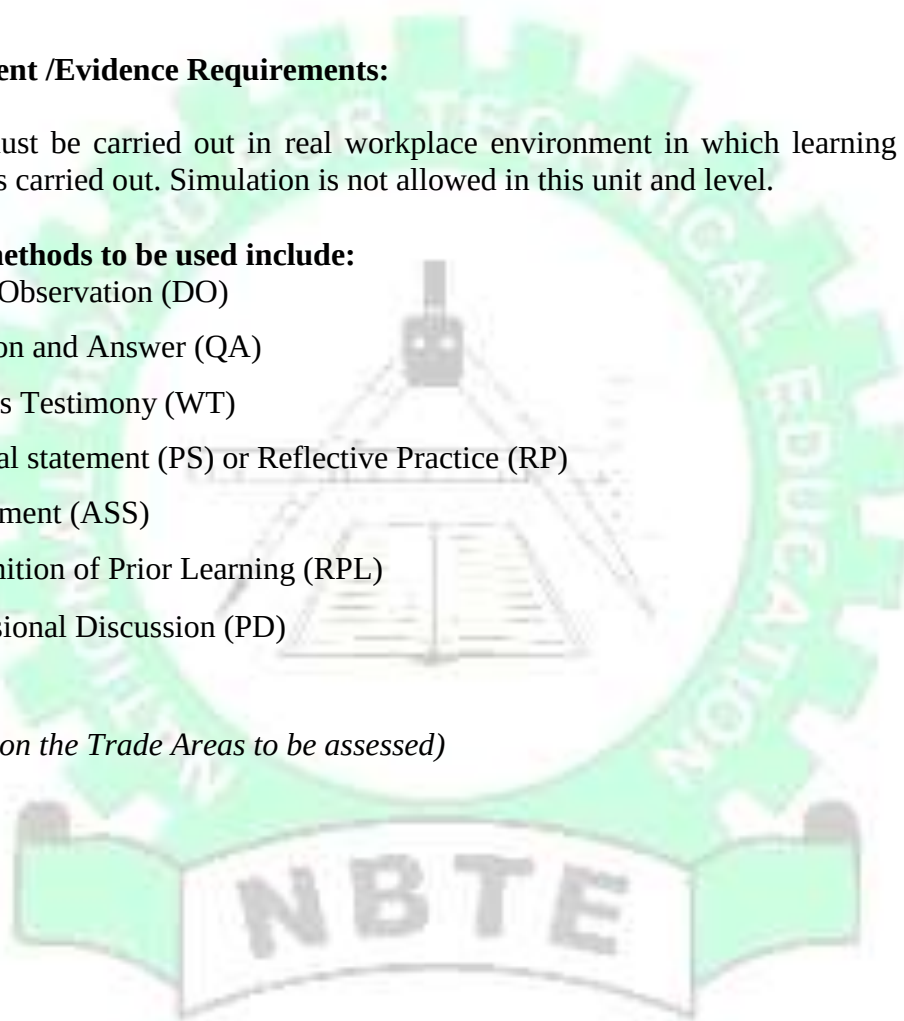
Unit Assessment /Evidence Requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out. Simulation is not allowed in this unit and level.

Assessment methods to be used include:

1. Direct Observation (DO)
2. Question and Answer (QA)
3. Witness Testimony (WT)
4. Personal statement (PS) or Reflective Practice (RP)
5. Assignment (ASS)
6. Recognition of Prior Learning (RPL)
7. Professional Discussion (PD)

(This depends on the Trade Areas to be assessed)



Unit 003: Teamwork in Medicinal Plant Production and Processing

LEARNING OUTCOME (LO) The learner will:		PERFORMANCE CRITERIA (PC) The learner can:	Evidence Type	Evidence Ref. Page No.
LO 1: Work effectively as a member of a production and processing team.	1.1	Perform assigned duties according to team plans and work schedules.		
	1.2	Cooperate with supervisors and team members to achieve production targets.		
	1.3	Complete assigned tasks within agreed timelines.		
	1.4	Support team members when required without affecting own responsibilities.		
	1.5	Maintain a positive and professional attitude during team activities		
LO 2: Communicate effectively with team members during production and processing activities.	2.1	Share relevant production and processing information accurately with team members.		
	2.2	Report work progress, delays, and challenges to the supervisor promptly.		
	2.3	Use appropriate workplace communication methods and terminology.		
	2.4	Listen actively to instructions and feedback from supervisors and colleagues.		
LO 3: Support problem-solving and continuous improvement within the team.	3.1	Identify work-related problems affecting team performance.		
	3.2	Participate in team discussions and decision-making when required		
	3.3	Accept constructive feedback and apply recommended improvements.		
Learners Signature:			Date:	

LEARNING OUTCOME (LO) The learner will:	PERFORMANCE CRITERIA (PC) The learner can:	Evidence Type	Evidence Ref. Page No.
Assessors Signature:		Date:	
IQA Signature (if sampled)		Date:	
EQA Signature (if sampled)		Date:	



UNIT 004: SUSTAINABLE MEDICINAL PLANTS PRODUCTION

Unit Reference Number: AGR/MPP/004/L3

NSQ Level: 3

Credit Value: 8

Guided Learning Hours: 80

Practice Time: 240 hours

Unit Purpose: This unit is designed to equip learners with knowledge and skills to apply sustainable production systems for medicinal plants while protecting soil, water, biodiversity, and product quality.

Unit assessment requirements/evidence requirements:

Assessment must be carried out in real workplace environment. ***Simulation is not allowed*** in this unit and level.

Assessment methods to be used include:

1. Direct Observation/oral questions (DO)
2. Question and Answer (QA)
3. Witness Testimony (WT)
4. Personal statement (PS) or Reflective Practice (RP)
5. Work Product (WP)
6. Recognition of Prior Learning (RPL)
7. Assignments. (ASS)
8. Professional Discussion (PD)

(This depends on the Trade Area to be assessed)

Unit 004: Sustainable Medicinal Plants Production

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA (PC)	Evidence Type		Evidence Ref. Page No.
The learner will:		The learner can:			
LO 1: Plan sustainable production activities.	1.1	Identify suitable production sites			
	1.2	Plan crop layout.			
	1.3	Select appropriate species			
	1.4	Schedule production tasks			
LO 2: Apply good agricultural practices	2.1	Assess water requirements of medicinal plant crops			
	2.2	Apply efficient irrigation methods and water conservation practices			
	2.3	Promote rainwater harvesting and watershed management techniques			
	2.4	Prevent pollution of soil and water resources during production activities			
	2.5	Promote biodiversity preservation within and around medicinal plant production areas			
	2.6	Maintain sustainable use of farm inputs and natural resources			
LO 3: Conserve Medicinal Plant Genetic Resources	3.1	Identify overexploited medicinal plant species			
	3.2	Identify endangered medicinal plant species			
	3.3	Apply in-situ conservation methods			
	3.4	Apply ex-situ conservation methods			
	3.5	Establish medicinal plant nurseries and germplasm collections			
	3.6	Document indigenous medicinal plants knowledge			
	3.7	Preserve indigenous medicinal plants knowledge			

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA (PC)	Evidence Type				Evidence Ref. Page No.			
The learner will:		The learner can:								
	3.8	Participate in community-based conservation initiatives								
LO 4: Monitor production performance	4.1	Inspect crop growth.								
	4.2	Identify production problems								
	4.3	Recommend corrective measures.								
	4.4	Document production results								
Learners Signature:							Date:			
Assessors Signature:							Date:			
IQA Signature (if sampled)							Date:			
EQA Signature (if sampled)							Date:			

UNIT 005: BASIC RECORDS KEEPING

Unit Reference Number: AGR/MPP/005/L3

NSQ Level: 3

Credit Value: 6

Guided Learning Hours: 60

Practice Time: 180 hours

Unit Purpose: This unit equips learners to keep accurate production, nursery, harvesting, processing, inventory, and sales records for medicinal plant enterprises.

Unit assessment requirements/evidence requirements:

Assessment must be carried out in real workplace environment. in which learning and human development is carried out. **Simulation is not allowed** in this unit and level.

Assessment methods to be used include:

1. Direct Observation/oral questions (DO)
2. Question and Answer (QA)
3. Witness Testimony (WT)
4. Personal statement (PS) or Reflective Practice (RP)
5. Work Product (WP)
6. Recognition of Prior Learning (RPL)
7. Assignments (ASS)
8. Professional Discussion (PD)

(This depends on the Trade Areas to be assessed)

Unit 005: Basic Records Keeping

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA (PC)	Evidence Type		Evidence Ref. Page No.
The learner will:		The learner can:			
LO 1: Keep production records	1.1	Record planting dates			
	1.2	Record input use			
	1.3	Record labor activities			
	1.4	Update records regularly			
LO 2: Keep nursery and propagation records	2.1	Record seed or cutting source			
	2.2	Track germination or rooting rates			
	2.3	Document transplanting dates.			
	2.4	Record seedling losses			
LO 3: Keep harvesting and processing records	3.1	Record harvested quantities			
	3.2	Record processing methods			
	3.3	label product batches			
	3.4	Track storage movement			
LO 4: Keep basic financial and sales records	4.1	Record sales quantities			
	4.2	Record prices			
	4.3	Calculate basic income and expenses			
	4.4	keep receipts or transaction evidence			
Learners Signature:		Date:			
Assessors Signature:		Date:			
IQA Signature (if sampled)		Date:			
EQA Signature (if sampled)		Date:			

UNIT 006: PROCESSING OF MEDICINAL PLANTS MATERIALS/PRODUCTS

Unit Reference Number: AGR/MPP/006/L3

NSQ Level: 3

Credit Value: 9

Guided Learning Hours: 90

Practice Time: 270 hours

Unit Purpose: This unit enables learners to process harvested medicinal plant materials through cleaning, sorting, drying, cutting, grinding, packaging, and storage while maintaining hygiene and quality.

Unit assessment requirements/evidence requirements:

Assessment must be carried out in real workplace environment. ***Simulation is not allowed*** in this unit and level.

Assessment methods to be used include:

1. Direct Observation/oral questions (DO)
2. Question and Answer (QA)
3. Witness Testimony (WT)
4. Personal statement (PS) or Reflective Practice (RP)
5. Work Product (WP)
6. Recognition of Prior Learning (RPL)
7. Assignments (ASS)
8. Professional Discussion (PD)

(This depends on the Trade Areas to be assessed)

Unit 006: Processing of medicinal plants materials/products

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA (PC)	Evidence Type		Evidence Ref. Page No.
The learner will:		The learner can:			
LO 1: Prepare materials for processing	1.1	Remove foreign matter			
	1.2	Wash materials where appropriate			
	1.3	Drain materials before drying			
LO 2: Dry medicinal plant materials	2.1	Select suitable drying method			
	2.2	Spread materials evenly			
	2.3	Protect materials from dust and pests			
	2.4	Monitor dryness level			
LO 3: Carry out size reduction	3.1	Cut materials to required size			
	3.2	Grind materials where appropriate			
	3.3	Prevent cross-contamination			
	3.4	Clean equipment after use			
LO 4: Package processed materials	4.1	Use clean packaging materials			
	4.2	Package processed material appropriately			
	4.3	Label product batches			
	4.4	Maintain packaged processing records			
LO 5: Store processed materials	5.1	Store in dry condition			
	5.2	Store in safe conditions			
	5.3	Maintain storage record			
Learners Signature:			Date:		
Assessors Signature:			Date:		
IQA Signature (if sampled)			Date:		
EQA Signature (if sampled)			Date:		

UNIT 007: MARKETING MEDICINAL PLANTS AND PRODUCTS

Unit Reference Number: AGR/MPP/007/L3

NSQ Level: 3

Credit Value: 6

Guided Learning Hours: 60

Practice Time: 180 hours

Unit Purpose: This unit develop learner's competence in identifying customers, preparing products for sale, communicating product information responsibly, and keeping basic marketing records.

Unit assessment requirements/evidence requirements:

Assessment must be carried out in real workplace environment. *Simulation is not allowed in this unit*

Assessment methods to be used include:

1. Direct Observation/oral questions (DO)
2. Question and Answer (QA)
3. Witness Testimony (WT)
4. Personal statement (PS) or Reflective Practice (RP)
5. Work Product (WP)
6. Recognition of Prior Learning (RPL)
7. Assignments (ASS)
8. Professional Discussion (PD)

(This depends on the Trade Areas to be assessed)

Unit 007: Marketing Medicinal Plants and Products

LEARNING OUTCOME (LO) The learner will:		PERFORMANCE CRITERIA (PC) The learner can:	Eviden ce Type	Eviden ce Ref. Page No.
LO 1: Locate target markets	1.1	Identify potential buyers		
	1.2	Assess customer needs		
	1.3	Identify competing products		
	1.4	Select appropriate sales channels		
LO 2: Prepare products for sales	2.1	Check product quality		
	2.2	Package products attractively		
	2.3	Label products clearly		
	2.4	Sort products by type.		
	2.5	Sort products by batch		
LO 3: Communicate with customers	3.1	Explain product features		
	3.2	Provide handling and storage information		
	3.3	Maintain honesty with customer		
	3.4	Respond to customer questions politely.		
LO 4: Keep marketing records	4.1	Record customer orders		
	4.2	Record sales quantities		
	4.3	Record customer feedback		
	4.4	Review sales records for improvement		
Learners Signature:		Date:		
Assessors Signature:		Date:		
IQA Signature (if sampled		Date:		
EQA Signature (if sampled)		Date:		

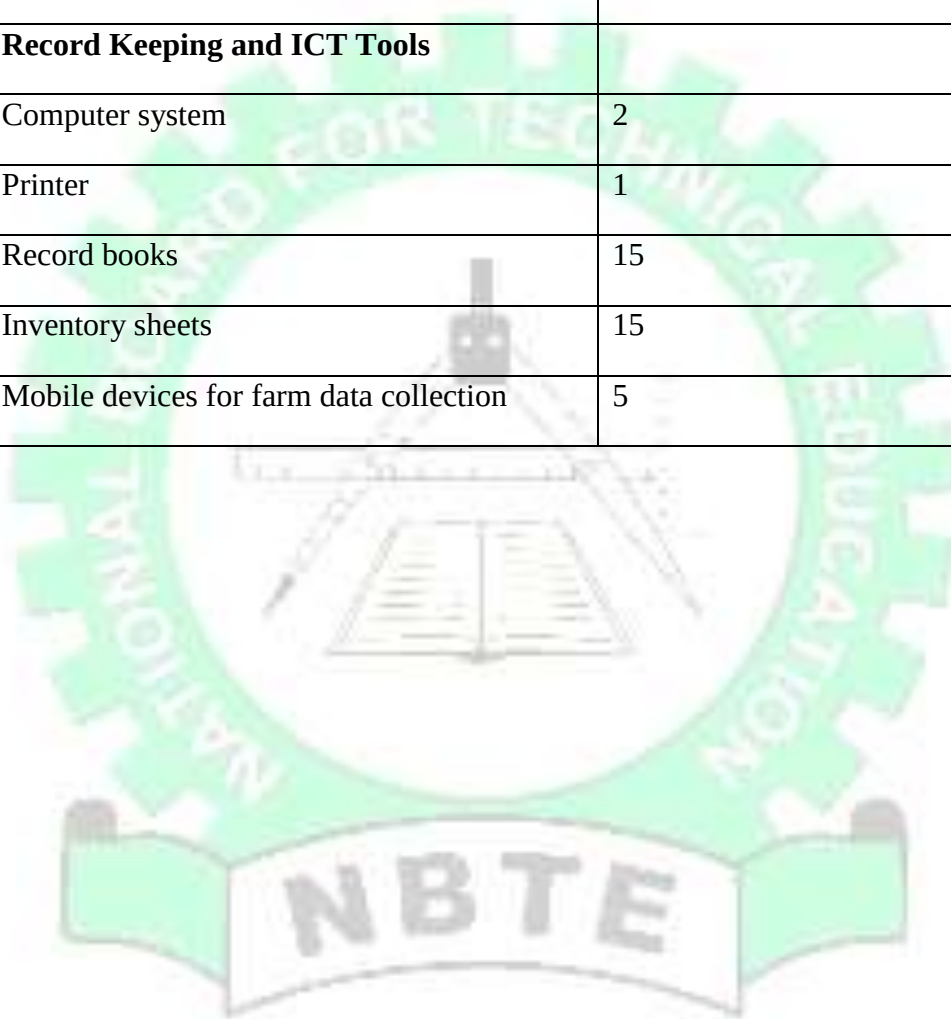
TOOLS AND EQUIPMENT FOR MEDICINAL PLANTS PRODUCTION AND PROCESSING

S/N	Tools/Equipment/Items/Resources	Quantity (15 Learners)
	Plant Collection Tools	
1	Cutlass (Machete)	15
2	Hand trowel	15
3	Garden fork	5
4	Hoe	15
5	Secateurs (Pruning shears)	15
6	Sickle	5
7	Digging spade	5
8	Harvesting knife	15
9	Rake	5
	Safety Equipment	
10	Hand gloves	15
11	Safety boots	15
12	Nose mask	15
13	Apron	15
14	Protective clothing	15
15	Safety goggles	15
	Measuring and Identification Tools	
16	Measuring tape	5
17	Weighing scale	3
18	Plant tags/labels	15

19	Marker pens	15
20	Sample collection bags	15
21	Magnifying lens	5
	Basic Processing Tools	
22	Mortar and pestle	5
23	Wooden trays	5
24	Drying mats	5
25	Sieves	5
26	Buckets	5
27	Plastic basins	5
28	Storage containers	5
29	Spatulas	15
	Cultivation Equipment	
30	Watering can	5
31	Irrigation hose	2
32	Knapsack sprayer	5
33	Wheelbarrow	3
34	Rake	5
35	Seed trays	15
36	Nursery pots	15
37	Soil auger	3
	Processing Equipment	
38	Mechanical grinder	2

39	Pulverizer	1
40	Drying racks	5
41	Solar dryer	2
42	Oven dryer	1
43	Blending machine	2
44	Cutting machine	1
45	Stainless steel pots	5
	Preservation Equipment	
46	Moisture meter	3
47	Sealing machine	2
48	Airtight storage containers	5
49	Refrigerator	1
50	Desiccators	3
	Laboratory Tools	
51	Thermometer	3
52	pH meter	3
53	Beakers	15
54	Funnels	5
55	Measuring cylinders	5
56	Stirring rods	15
57	Filter cloth	5
	Packaging Equipment	
58	Vacuum sealing machine	1

	Advanced Production Equipment	
59	Greenhouse structures	1
60	Irrigation systems	1
61	Shade nets	1
62	Dry storage facility	1
	Record Keeping and ICT Tools	
63	Computer system	2
64	Printer	1
65	Record books	15
66	Inventory sheets	15
67	Mobile devices for farm data collection	5



ZERO DRAFT WORKSHOP ON MEDICINAL PLANT, PROCESSING AND PRODUCTION ATTENDANCE FROM 22nd – 27th JUNE, 2026

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