



NATIONAL BOARD FOR TECHNICAL EDUCATION

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

IN COLLABORATION WITH



NATIONAL OCCUPATIONAL STANDARDS (NOS)

AGRICULTURAL EXTENSION SERVICE PROVIDER 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

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NATIONAL SKILLS QUALIFICATION (NSQ)

AGRICULTURAL EXTENSION SERVICE PROVIDER

LEVEL 1

JUNE, 2026



NATIONAL SKILLS QUALIFICATION GENERAL INFORMATION OVERVIEW

This qualification is designed for individuals who are interested in pursuing a career in Agricultural Extension Service Provider for the award of National Skills Qualifications (NSQ) It is aimed at producing competencies necessary to support in Agricultural Extension Service Provider at NSQ Level 1.

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

QUALIFICATION PURPOSE

This qualification is targeted at developing competence in Agric extension service provider. This is focused on knowledge, practical skills, communication skills, health and safety, team work and workplace experience.

QUALIFICATION REQUIREMENTS

All Candidates must be:

- At least sixteen (16) years of age
- Medically fit
- Mentally fit (Mental alertness)
- A Nigerian citizen
- Other nationals should present International passport, residence permit or Parent work permit.
- Vetted
- Interest in agricultural extension and related support operations;
- Ability to carry out simple practical tasks under supervision.

QUALIFICATION OBJECTIVES

To achieve this qualification, the learner should have the following competencies:

- i. Communicate effectively with farmers, supervisors, colleagues, and other stakeholders using appropriate workplace communication methods.
- ii. Work cooperatively as a member of an agricultural extension team.
- iii. Apply basic occupational health, safety, and environmental practices during extension activities.
- iv. Demonstrate professional ethics and appropriate workplace behaviour.
- v. Explain the basic concepts, roles, and functions of agricultural extension services.
- vi. Communicate simple agricultural information clearly to farmers using appropriate extension methods.
- vii. Collect basic farm data and maintain simple farm records accurately.

- viii. Assist in establishing and maintaining agricultural demonstration plots.
- ix. Promote Good Agricultural Practices (GAP) in crop and livestock production.
- x. Identify common agricultural inputs and guide farmers to approved input sources.
- xi. Perform assigned agricultural extension activities under supervision in accordance with organizational procedures.

National Skills Qualification/National Occupation Standard (NSQ/NOS) Unit Table

MANDATORY UNITS

Unit	Unit Reference Number	Unit Title	Credit Value	Guided Learning Hours	Practice Time	Remark
1	AGR/AES/001/L1	Communication for Agricultural Extension Service Provider	2	20	60	Mandatory
2	AGR/AES/002/L1	Teamwork	2	20	60	Mandatory
3	AGR/AES/003/L1	Occupational Health and Safety	2	20	60	Mandatory
4	AGR/AES/004/L1	Professional Ethics and Workplace Behaviour	2	20	60	Mandatory
5	AGR/AES/005/L1	Agricultural Extension Services	2	20	60	Mandatory
6	AGR/AES/006/L1	Farmer Communication and Information Dissemination	2	20	60	Mandatory
7	AGR/AES/007/L1	Farm Data Collection and Record Keeping	2	20	60	Mandatory
8	AGR/AES/008/L1	Demonstration Plots Establishment	4	40	120	Mandatory
9	AGR/AES/009/L1	Good Agricultural Practices	2	20	60	Mandatory
10	AGR/AES/010/L1	Sources of Agricultural Inputs	2	20	60	Mandatory

TOTAL	22	220	660	
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QUALIFICATION STRUCTURE

This qualification comprises a total of ten (10) mandatory units with 22 Credit Value and 220 Guided Learning Hours across the full unit set. One (1) Credit is equivalent to approximately Ten (10) Guided Learning Hours (GLH). To achieve this qualification, the learner must complete all mandatory units and accumulate the minimum credit value approved by NBTE. Credit is awarded only when a learner has been assessed as competent against all Learning Objectives and Performance Criteria of a unit. *The actual Total Learning Hours for each Credit will then be a minimum of 15 hours.*

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.
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UNIT 001: COMMUNICATION FOR AGRICULTURAL EXTENSION SERVICE PROVIDER

Unit reference number: AGR/AES/001/L1

NSQ Level: 1

Credit value: 2

Guided learning hours: 60 hours

Unit Purpose: This unit equips learners with the basic knowledge and skills required to communicate effectively with supervisors, co-workers, farmers, and other stakeholders using appropriate workplace communication methods.

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 may include:

1. Direct Observation (DO)
2. Witness Testimony (WT)
3. Personal Statement (PS) or Reflective Practice (RP)
4. Work Product (WP)
5. Recognition of Prior Learning (RPL)
6. Assignment (ASS)

(This depends on the Trade Areas to be assessed)

Unit 001: Communication for Agricultural Extension Service Provider

LEARNING OUTCOME (LO) The learner will:		PERFORMANCE CRITERIA The learner can:	Evidence Type	Evidence Ref. Page No.
LO 1: Use communication	1.1	Define communication		
	1.2	State types of communication		
	1.3	Use verbal communication appropriately in the workplace.		
	1.4	Use non-verbal communication appropriately in the workplace.		
	1.5	Identify communication barriers		
	1.6	Overcome communication barriers		
LO 2: Participate in workplace communication.	2.1	Attend workplace meetings and briefings as required.		
	2.2	Follow communication procedures during work activities.		
	2.3	Receive workplace instructions from supervisors.		
	2.4	Respond to workplace information respectfully.		
	2.5			
LO 3: Adopt workplace communication methods.	3.1	Use telephone or mobile devices appropriately for work communication.		
	3.2	Share relevant work information with team members.		
	3.3	Promote good working relationships through effective communication.		

Learner's Signature:	Date:
Assessor's Signature:	Date:
IQA Signature (if sampled):	Date:
EQA Signature (if sampled):	Date:



UNIT 002: TEAMWORK

Unit Reference Number: AGR/AES/002/L1

NSQ Level: 1

Credit Value: 2

Guided Learning Hours: 60 hours

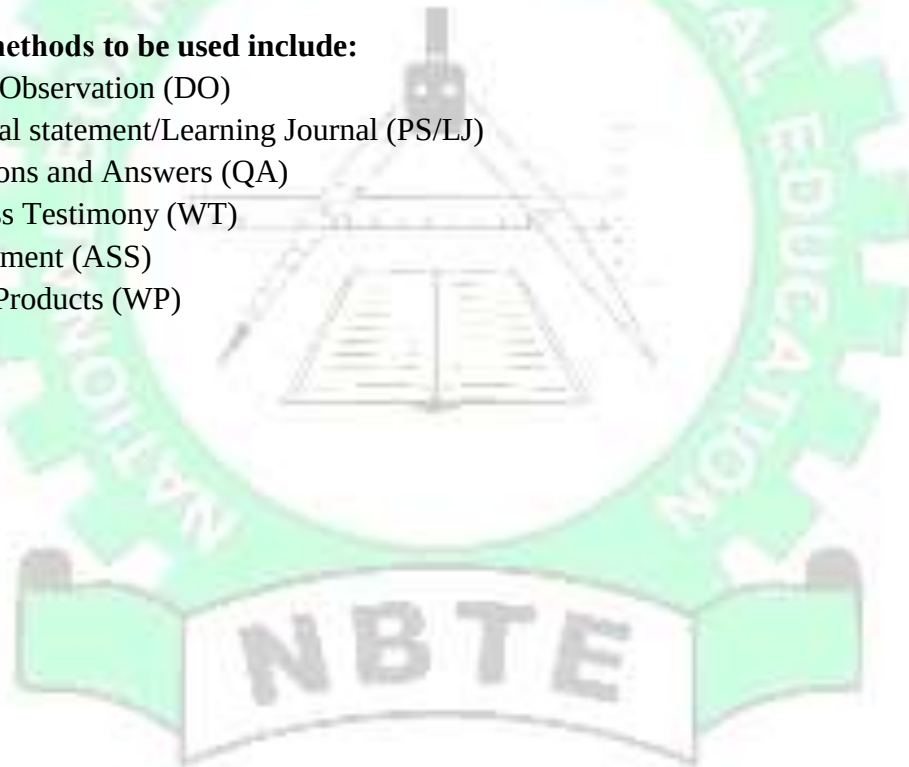
Unit Purpose: This unit is designed to equip the learners with the basic knowledge, skills, and attitudes required to work effectively with others in agricultural extension activities.

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 (DO)
2. Personal statement/Learning Journal (PS/LJ)
3. Questions and Answers (QA)
4. Witness Testimony (WT)
5. Assignment (ASS)
6. Work Products (WP)



Unit 002: Teamwork

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type		Evidence Ref. Page No.
The learner will:		The learner can:			
LO 1: Define teamwork	1.1	Define teamwork			
	1.2	State the purpose of working as a team.			
	1.3	Describe simple benefits of teamwork.			
	1.4	Recognize individual roles in the team.			
	1.5	Follow team rules and instructions.			
LO 2: Communicate with team members during work activities.	2.1	Listen carefully to team members and supervisors.			
	2.2	Speak politely when communicating with others.			
	2.3	Ask questions when instructions are not understood.			
LO 3: Support team members in carrying out assigned tasks.	3.1	Perform assigned duties as instructed			
	3.2	Offer help to team members when needed.			
	3.3	Share basic tools and materials responsibly			
	3.4	Complete assigned tasks within the agreed time			
	3.5	Inform the supervisor if assistance is required.			

Learner's Signature:	Date:
Assessor's Signature:	Date:
IQA Signature (if sampled):	Date:
EQA Signature (if sampled):	Date:

UNIT 003: OCCUPATIONAL HEALTH AND SAFETY

Unit Reference Number: AGR/AES/003/L1

NSQ Level: 1

Credit Value: 2

Guided Learning Hours: 60 hours

Unit Purpose: This unit equips learners with the basic knowledge and skills to work safely, recognize workplace hazards, use simple safety measures, maintain personal hygiene, and respond appropriately to emergencies while performing agricultural extension activities under supervision.

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. Work Products (WP)

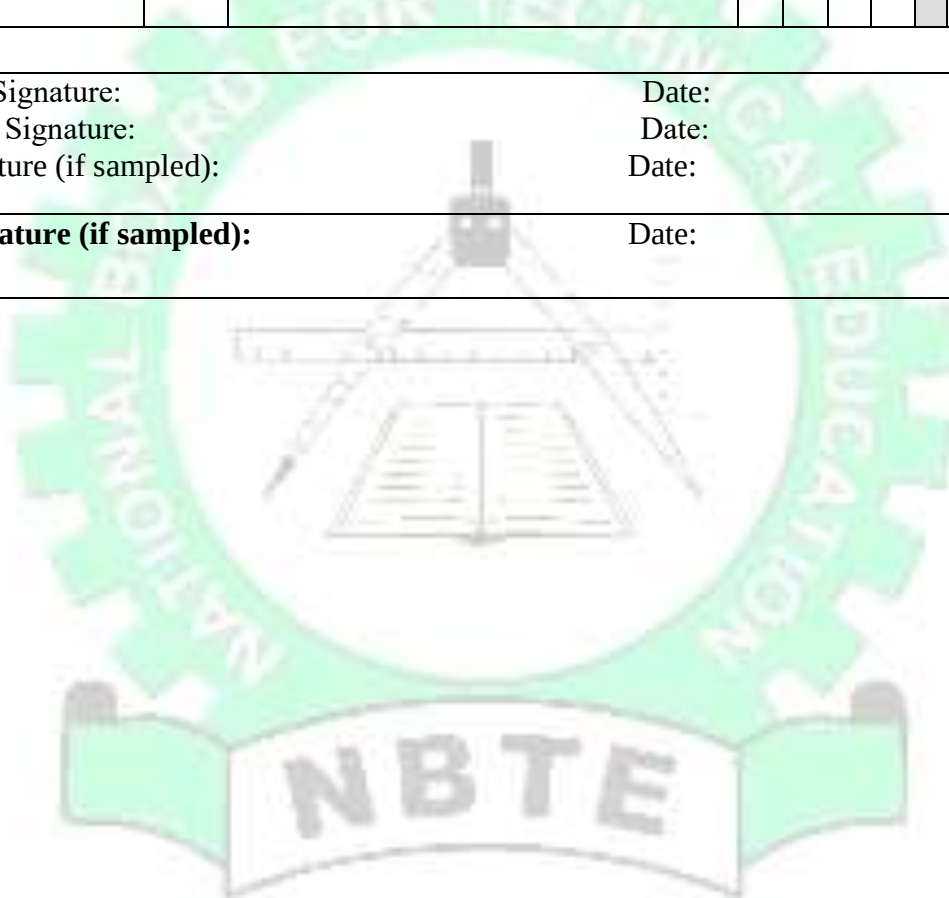
(This depends on the Trade Areas to be assessed)

Unit 003: Occupational Health and Safety

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type				Evidence Ref. Page No.			
The learner will:		The learner can:								
LO 1: Follow basic health and safety rules.	1.1	Identify basic workplace health and safety rules								
	1.2	Follow workplace safety instructions given by the supervisor.								
	1.3	Wear appropriate personal protective equipment (PPE) when required.								
	1.4	Report unsafe conditions to the supervisor.								
LO 2: Identify common workplace hazard	2.1	Recognize common hazards in farms and extension work.								
	2.2	Identify slips, trips, and fall hazards.								
	2.3	Identify hazardous tools, equipment, and materials.								
	2.4	Keep away from dangerous areas when instructed.								
	2.5	Report identified hazards promptly.								
LO 3: Maintain personal health and hygiene.	3.1	Wear clean and suitable work clothing.								
	3.2	Wash hands before and after work when necessary.								
	3.3	Keep personal protective equipment clean and in good condition.								
	3.4	Maintain personal cleanliness during work.								
	3.5	Report illness or injury to the supervisor.								
LO 4: Respond to basic emergencies.	4.1	Identify emergency situations in the workplace								
	4.2	Follow emergency instructions given								

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
		by the supervisor.		
	4.3	Raise the alarm or seek help during an emergency.		
	4.4	Locate basic emergency facilities such as first aid kits and fire extinguishers.		

Learner's Signature:	Date:
Assessor's Signature:	Date:
IQA Signature (if sampled):	Date:
EQA Signature (if sampled):	Date:



UNIT 004: PROFESSIONAL ETHICS AND WORKPLACE BEHAVIOUR

Unit Reference Number: AGR/AES/004/L1

NSQ Level: 1

Credit Value: 2

Guided Learning Hours: 60 hours

Unit Purpose: This unit equips learners with the basic knowledge, skills, and attitudes required to demonstrate ethical conduct and appropriate workplace behaviour while carrying out agricultural extension activities under supervision.

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. Questions and Answers (QA)
3. Witness Testimony (WT)
4. Assignment (ASS)
5. Recognition of Prior Learning (RPL)/Accreditation of Prior Learning (APL)

(This depends on the Trade Areas to be assessed)

Unit 004: Professional Ethics and Workplace Behaviour

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
LO 1: Imbibe honest behaviour at work	1.1	Follow workplace rules and instructions honestly.		
	1.2	Give truthful information when asked.		
	1.3	Return tools and materials after use.		
	1.4	Avoid taking items without permission.		
LO 2: Show respect to others in the workplace	2.1	Greet supervisors, co-workers, farmers, and visitors politely		
	2.2	Use respectful language during communication.		
	2.3	Avoid use of foul language		
LO 3: Follow workplace rules and procedures	3.1	Arrive at work on time.		
	3.2	Wear the required work clothing or protective equipment.		
	3.3	Follow supervisor's instructions during work.		
	3.4	Carry out assigned tasks according to workplace procedures.		

Learner's Signature:	Date:
Assessor's Signature:	Date:
IQA Signature (if sampled):	Date:
EQA Signature (if sampled):	Date:

UNIT 005: AGRICULTURAL EXTENSION SERVICES

Unit Reference Number: AGR/AES/005/L1

NSQ Level:1

Credit Value: 2

Guided Learning Hours: 60 hours

Unit Purpose: This unit equips learners with the knowledge and skills to understand agricultural extension services and the role of stakeholders supporting the services.

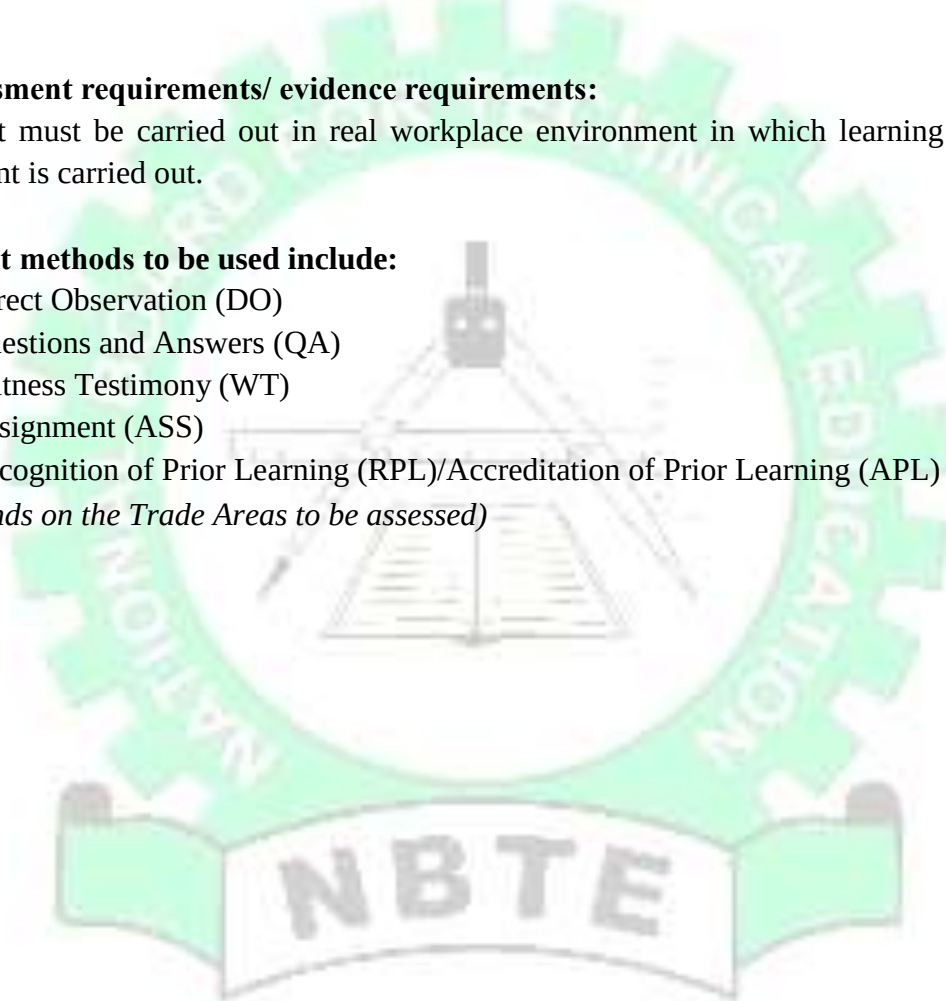
Unit assessment requirements/ evidence requirements:

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. Questions and Answers (QA)
3. Witness Testimony (WT)
4. Assignment (ASS)
5. Recognition of Prior Learning (RPL)/Accreditation of Prior Learning (APL)

(This depends on the Trade Areas to be assessed)



Unit 005: Agricultural Extension Services

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
LO 1: Explain the meaning of agricultural extension services.	1.1	Define agricultural extension services.		
	1.2	State the purpose of agricultural extension services.		
	1.3	Identify the people who receive agricultural extension services.		
	1.4	Identify simple agricultural extension activities.		
	1.5	State the importance of agricultural extension services to farmers.		
LO 2: Explain the roles of an agricultural extension service provider.	2.1	Identify the duties of an agricultural extension service provider.		
	2.2	State how extension service providers assist farmers.		
	2.3	Identify basic information shared with farmers.		
	2.4	Recognize the need to provide correct information		
	2.5	Follow supervisor's instructions during extension activities.		
LO 3: Identify people and organizations who are beneficiaries of or providers of agricultural extension services.	3.1	Identify farmers as the main clients of extension services.		
	3.2	Identify government agencies that provide extension services.		
	3.3	Identify farmer groups and cooperatives.		
	3.4	Recognize the role of research institutions.		
	3.5	Identify other organizations		

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
		supporting agricultural extension.		
LO 4: Identify basic agricultural extension activities.	4.1	Identify farm visits as an extension activity		
	4.2	Identify farmer meetings as an extension activity.		
	4.3	Identify field demonstrations as an extension activity.		
	4.4	Identify farmer training sessions as an extension activity.		
	4.5	Identify research, extension, farmer, inputs, linkage system (REFILS).		
LO 5: Identify financial institutions supporting agricultural extension activities.	5.1	Identify financial institutions supporting agricultural productivity		
	5.2	Identify eligible beneficiaries		
	5.3	Identify processes involved in accessing finances		

Learner's Signature:	Date:
Assessor's Signature:	Date:
IQA Signature (if sampled):	Date:
EQA Signature (if sampled):	Date:

UNIT 006: FARMER COMMUNICATION AND INFORMATION DISSEMINATION

Unit Reference Number: AGR/AES/006/L1

NSQ Level: 1

Credit Value: 2

Guided Learning Hours: 60 hours

Unit Purpose: This unit equips learners with the basic knowledge and skills required to communicate effectively with farmers, share simple agricultural information, listen to farmers' concerns, and use appropriate communication methods in accordance with workplace procedures.

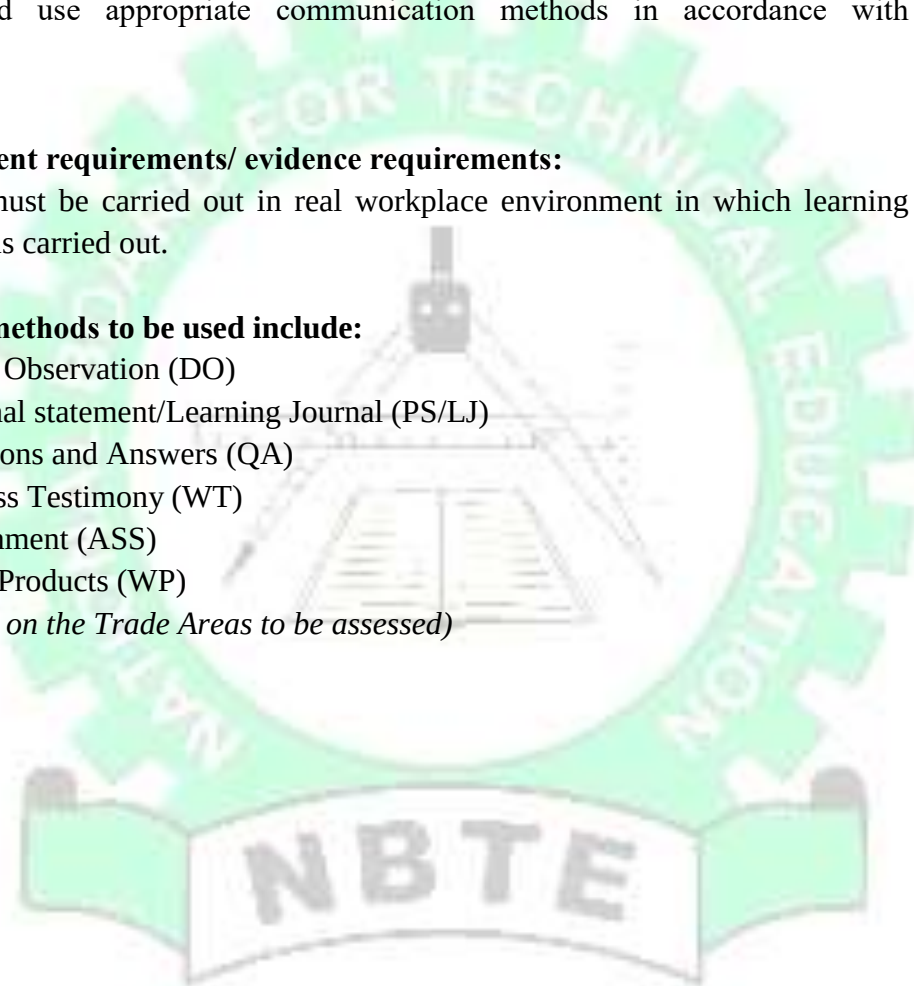
Unit assessment requirements/ evidence requirements:

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. Work Products (WP)

(This depends on the Trade Areas to be assessed)



Unit 006: Farmer Communication and Information Dissemination

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
LO 1: Identify basic communication methods used with farmers	1.1	Identify common methods of communicating with farmers.		
	1.2	Recognize verbal and non-verbal communication.		
	1.3	Identify simple communication materials used during extension activities.		
	1.4	State the purpose of communicating with farmers.		
LO 2: Communicate clearly with farmers	2.1	Greet farmers politely and respectfully.		
	2.2	Speak clearly using simple language.		
	2.3	Listen carefully to farmers without interruption.		
	2.4	Respond politely to farmers' questions.		
LO 3: Share basic agricultural information	3.1	Provide simple and correct agricultural information.		
	3.2	Explain farming messages in a clear manner.		
	3.3	Use simple examples to improve understanding.		
	3.4	Encourage farmers to ask questions.		
	3.5	Confirm that farmers understand the information provided.		

Learner's Signature:	Date:
Assessor's Signature:	Date:
IQA Signature (if sampled):	Date:
EQA Signature (if sampled):	Date:



UNIT 007: FARM DATA COLLECTION AND RECORD KEEPING

Unit Reference Number: AGR/AES/007/L1

NSQ Level: 1

Credit Value: 2

Guided Learning Hours: 60 hours

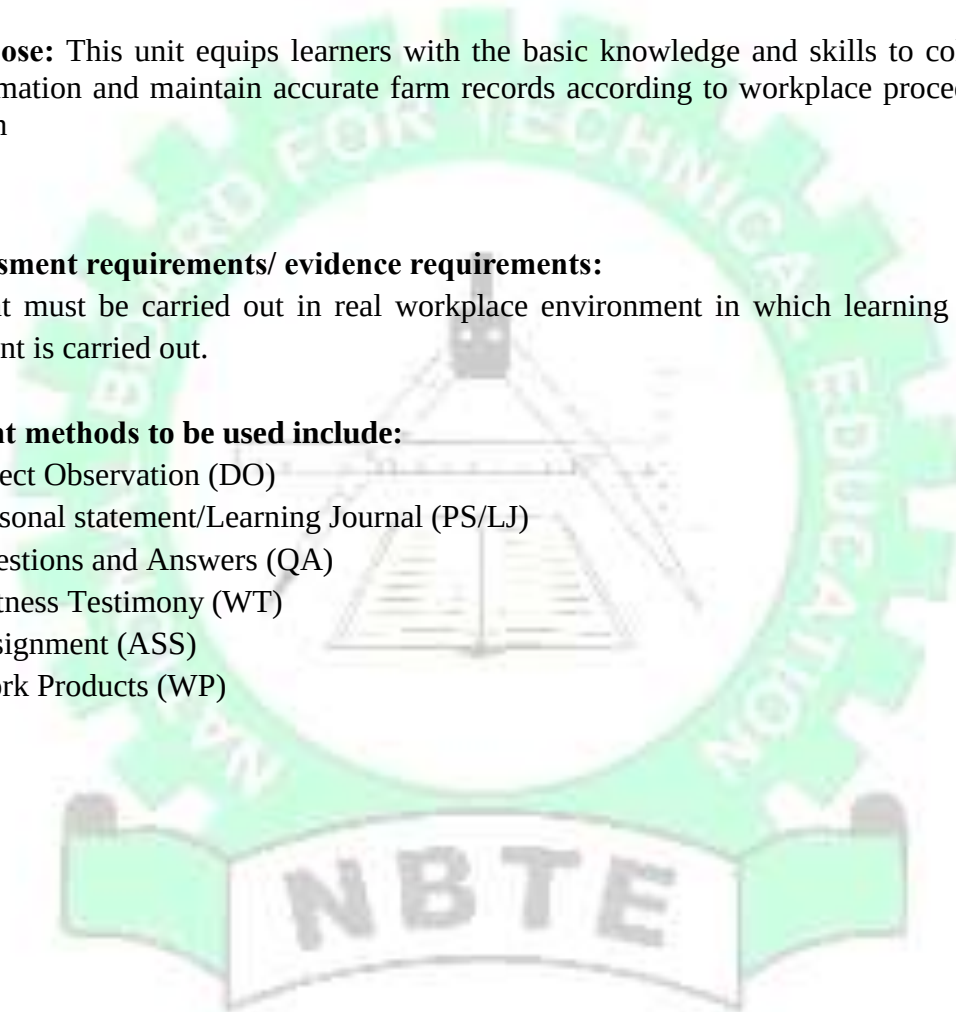
Unit Purpose: This unit equips learners with the basic knowledge and skills to collect simple farm information and maintain accurate farm records according to workplace procedures under supervision

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. Work Products (WP)



Unit 007: Farm Data Collection and Record Keeping

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type		Evidence Ref. Page No.
The learner will:		The learner can:			
LO 1: Explain the importance of farming data and records	1.1	Define farm data			
	1.2	Define record keeping			
	1.3	State reason for keeping records			
	1.4	Identify tools use for farm records			
	1.5	Identify different farm activities.			
	1.6	Identify major crops or livestock on the farm.			
LO 2: Collect Basic Farm Data	2.1	Observe farm activities carefully.			
	2.2	Ask simple questions politely to obtain information.			
	2.3	Collect information as instructed by the supervisor.			
	2.4	Count and accurately record number of livestock or crops			
	2.5	Record information accurately.			
LO 3: Use Basic Data Collection Tools	3.1	Identify basic data collection tools.			
	3.2	Handle data collection tools with care.			
	3.3	Return tools after use according to workplace procedures.			

Learner's Signature:	Date:
Assessor's Signature:	Date:
IQA Signature (if sampled):	Date:
EQA Signature (if sampled):	Date:



UNIT 008: DEMONSTRATION PLOTS ESTABLISHMENT

Unit Reference Number: AGR/AES/008/L1

NSQ Level: 1

Credit Value: 4

Guided Learning Hours: 120 hours

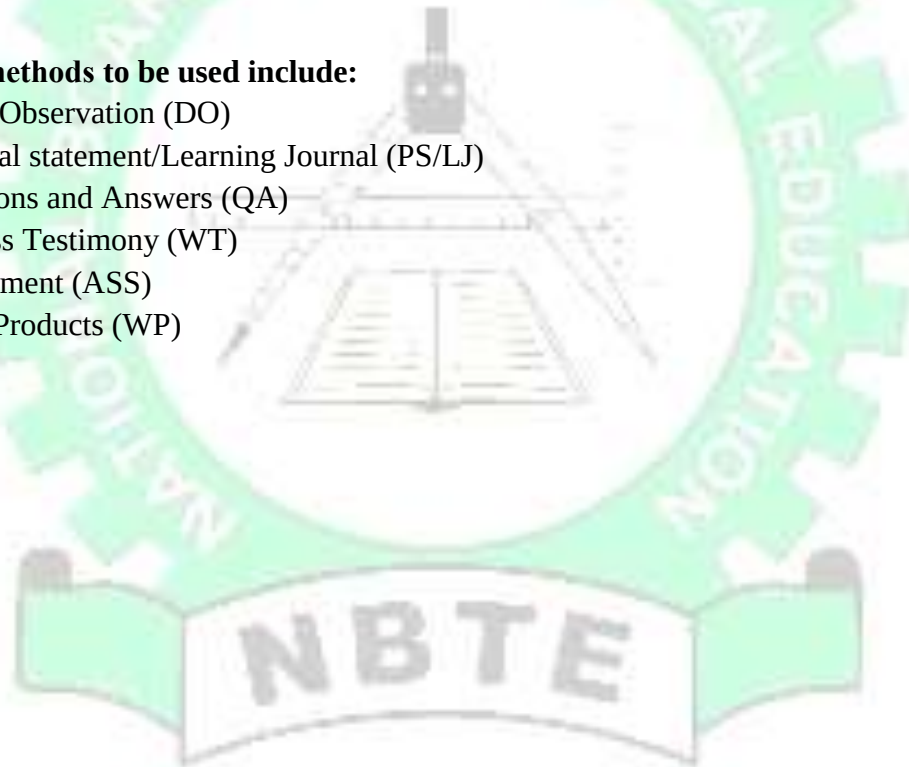
Unit Purpose: This unit equips learners with the basic knowledge and skills required to assist in establishing simple demonstration plots for farmer learning by following instructions, preparing the site, planting crops, maintaining the plot, and keeping the area clean and safe.

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. Work Products (WP)



Unit 008: Demonstration Plots Establishment

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type		Evidence Ref. Page No.
The learner will:		The learner can:			
LO 1: Recognize suitable Demonstration Plot Site	1.1	Identify the demonstration plot site as directed by the supervisor.			
	1.2	Explain the purpose of the demonstration plot.			
	1.3	Set boundaries of the plot.			
LO 2: Prepare Demonstration Plot	2.1	Clear grasses and unwanted plants from the plot.			
	2.2	Mark the plot using simple measuring tools or pegs.			
	2.3	Prepare the plot according to instructions.			
LO 3: Establish Demonstration Plot	3.1	Select the recommended seeds or planting materials.			
	3.2	Plant seeds or seedlings according to instructions.			
	3.3	Water the plot after planting where required.			

Learner's Signature:	Date:
Assessor's Signature:	Date:
IQA Signature (if sampled):	Date:
EQA Signature (if sampled):	Date:

UNIT 009: GOOD AGRICULTURAL PRACTICES

Unit Reference Number: AGR/AES/009/L1

NSQ Level: 1

Credit Value: 2

Guided Learning Hours: 60 hours

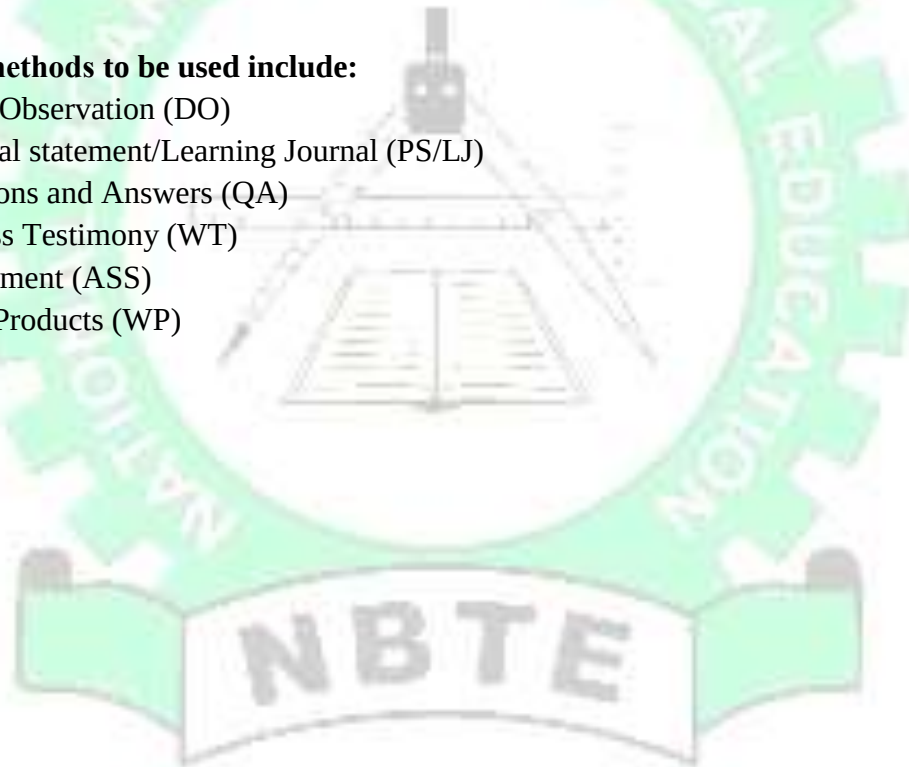
Unit Purpose: This unit equips learners with the basic knowledge and skills to recognize and promote simple good agricultural practices that support safe, healthy, productive, and environmentally responsible farming.

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. Work Products (WP)



Unit 009: Good Agricultural Practices

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
<i>LO 1: Identify good Agricultural Practice</i>	1.1	State the meaning of Good Agricultural Practices (GAP).		
	1.2	Identify simple good agricultural practices used on farms.		
	1.3	Recognize the importance of following good agricultural practices.		
	1.4	Identify common farm activities where GAP should be applied.		
<i>LO 2: Promote Farm Hygiene and Cleanliness</i>	2.1	Keep farm tools and equipment clean after use.		
	2.2	Maintain cleanliness in the work area.		
	2.3	Dispose of farm waste in the approved manner.		
<i>LO 3: Handle Farm Produce Properly</i>	3.1	Handle harvested produce carefully to avoid damage.		
	3.2	Sort produce according to supervisor's instructions.		
	3.3	Store produce in the designated area.		
	3.4	Package farm produce in line with best practice		

Learner's Signature:	Date:
Assessor's Signature:	Date:
IQA Signature (if sampled):	Date:
EQA Signature (if sampled):	Date:

UNIT 010: SOURCES OF AGRICULTURAL INPUTS

Unit Reference Number: AGR/AES/010/L1

NSQ Level: 1

Credit Value: 2

Guided Learning Hours:60 hours

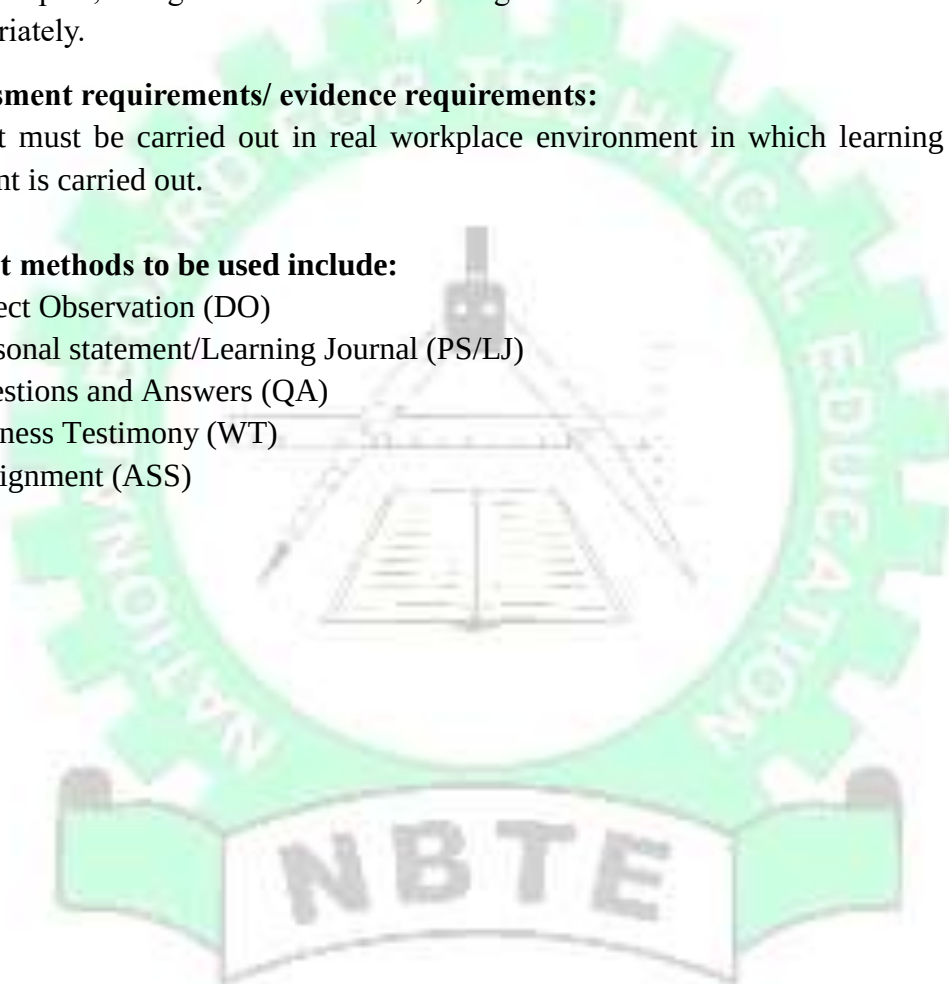
Unit Purpose: This unit equips learners with the basic knowledge and skills to identify common agricultural inputs, recognize their sources, and guide farmers on where to obtain them safely and appropriately.

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)



Unit 010: Sources of Agricultural Inputs

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
LO 1: Recognize common agricultural inputs	1.1	Identify suitable agricultural inputs		
	1.2	Recognize • seeds, • fertilizers, • agrochemicals, • livestock feed, and • simple farm tools.		
	1.3	Classify agricultural inputs according to their uses.		
LO 2: Source agricultural inputs	2.1	Identify common sources of agricultural inputs.		
	2.2	Recognize government input supply centres.		
	2.3	Identify registered agro-dealers.		
	2.4	Recognize farmer cooperatives and community input suppliers.		
	2.5	Obtain information on input sources from the supervisor.		
LO 3: Assist farmers to access agricultural inputs	3.1	Inform farmers about available input sources.		
	3.2	Direct farmers to approved input suppliers.		
	3.3	Refer farmers to the appropriate expert when necessary.		

Learner's Signature:

Date:

Assessor's Signature:

Date:

IQA Signature (if sampled):

Date:

EQA Signature (if sampled):

Date:



NATIONAL SKILLS QUALIFICATION (NSQ)



NATIONAL SKILLS QUALIFICATION GENERAL INFORMATION OVERVIEW

This qualification is designed for individuals who are interested in pursuing a career in Agric extension service for the award of National Skills Qualifications (NSQ). It is aimed at producing competencies necessary to support in Agricultural extension service provider.

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

QUALIFICATION PURPOSE

This qualification is targeted at developing competence in Agric extension service. This is focused on knowledge, practical skills, communication skills, health and safety, team work and workplace experience.

QUALIFICATION REQUIREMENTS

All Candidates must be:

- At least sixteen (16) years of age
- Medically fit
- Mentally fit (Mental alertness)
- A Nigerian citizen
- Other nationals should present international passport, residence permit or Parent work permit.
- Vetted
- Interested in agricultural production and related support operations;
- Able to carry out routine practical tasks with minimal supervision.

QUALIFICATION OBJECTIVES

To achieve this qualification, the learner should have the following competencies:

- i. Communicate effectively with farmers, colleagues, supervisors, and stakeholders using appropriate communication technologies and workplace procedures.
- ii. Work collaboratively and contribute effectively to multidisciplinary agricultural extension teams.
- iii. Apply and promote occupational health and safety procedures during agricultural extension activities.
- iv. Provide basic agricultural advisory and farmer support services within assigned responsibilities.
- v. Plan, organize, and deliver farmer training using appropriate extension methods and adult learning principles.

- vi. Collect, manage, analyze, and report farm and extension data using manual and basic digital systems.
- vii. Promote climate-smart agriculture and sustainable farming practices.
- viii. Guide farmers in selecting, accessing, and safely using quality agricultural inputs.
- ix. Facilitate farmers' access to agricultural support services, finance, insurance, and extension programmes.
- x. Support the adoption of improved agricultural technologies and recommended farming practices.
- xi. Carry out agricultural extension activities independently while working under general supervision.



National Skills Qualification/National Occupation Standard (NSQ/NOS) Unit Table

MANDATORY UNITS

Unit	Unit Reference Number	Unit Title	Credit Value	Guided Learning Hours	Practice Time	Remark
1	AGR/AES/001/L2	Communication in Agricultural Extension Services	3	30	90	Mandatory
2	AGR/AES/002/L2	Teamwork	3	30	90	Mandatory
3	AGR/AES/003/L2	Occupational Health and Safety	3	30	90	Mandatory
4	AGR/AES/004/L2	Agricultural Advisory and Farmer Support Services	4	40	120	Mandatory
5	AGR/AES/005/L2	Farmer Training Techniques	4	40	180	Mandatory
6	AGR/AES/006/L2	Farm Data Management and Extension Reporting	3	30	90	Mandatory
7	AGR/AES/007/L2	Climate-Smart Agriculture and Agricultural Input Linkages	4	40	120	Mandatory
8	AGR/AES/008/L2	Precision Agriculture and Digital Extension Services	4	40	120	Mandatory
TOTAL			28	280	900	

QUALIFICATION STRUCTURE

This qualification comprises a total of eight (8) mandatory units with 28 Credit Value and 280 Guided Learning Hours across the full unit set. One (1) Credit is equivalent to approximately Ten (10) Guided Learning Hours (GLH). To achieve this qualification, the learner must complete all mandatory units and accumulate the minimum credit value approved by NBTE. Credit is awarded only when a learner has been assessed as competent against all Learning Objectives and Performance

Criteria of a unit. *The actual Total Learning Hours for each Credit will then be a minimum of 15 hours.*

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 AGRICULTURAL EXTENSION SERVICES

Unit reference number: AGR/AES/001/L2

NSQ Level: 1

Credit value: 3

Guided learning hours: 90 hours

Unit Purpose: This unit equips learners with the knowledge and skills to communicate effectively with farmers, colleagues, supervisors, and other stakeholders using appropriate communication methods while maintaining professionalism and confidentiality.

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. Written Questions (QA)
3. Oral Questions
4. Assignment

(This depends on the Trade Areas to be assessed)



UNIT 001: Communication in Agricultural Extension Service.

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
LO 1: Communicate effectively with farmers and other stakeholders	1.1	Communicate clearly using appropriate language and agricultural terms		
	1.2	Listen actively and respond appropriately to questions and concerns.		
	1.3	Confirm understanding through feedback and clarification.		
	1.4	Use communication methods suitable for the audience.		
LO 2: Exchange workplace information	2.1	Receive workplace instructions accurately from supervisors.		
	2.2	Share relevant information with team members promptly.		
	2.3	Record and relay field observations correctly		
	2.4	Report issues requiring attention through appropriate channels.		
	2.5	•		
LO 3: Use communication technologies in extension services	3.1	Use mobile phones and digital communication tools appropriately.		
	3.2	Send and receive work-related messages accurately.		
	3.3	Share agricultural information through approved communication platforms.		

Learner's Signature:	Date:
Assessor's Signature:	Date:
IQA Signature (if sampled):	Date:
EQA Signature (if sampled):	Date:



UNIT 002: TEAMWORK

Unit Reference Number: AGR/AES/002/L2

NSQ Level: 2

Credit Value: 3

Guided Learning Hours: 90 hours

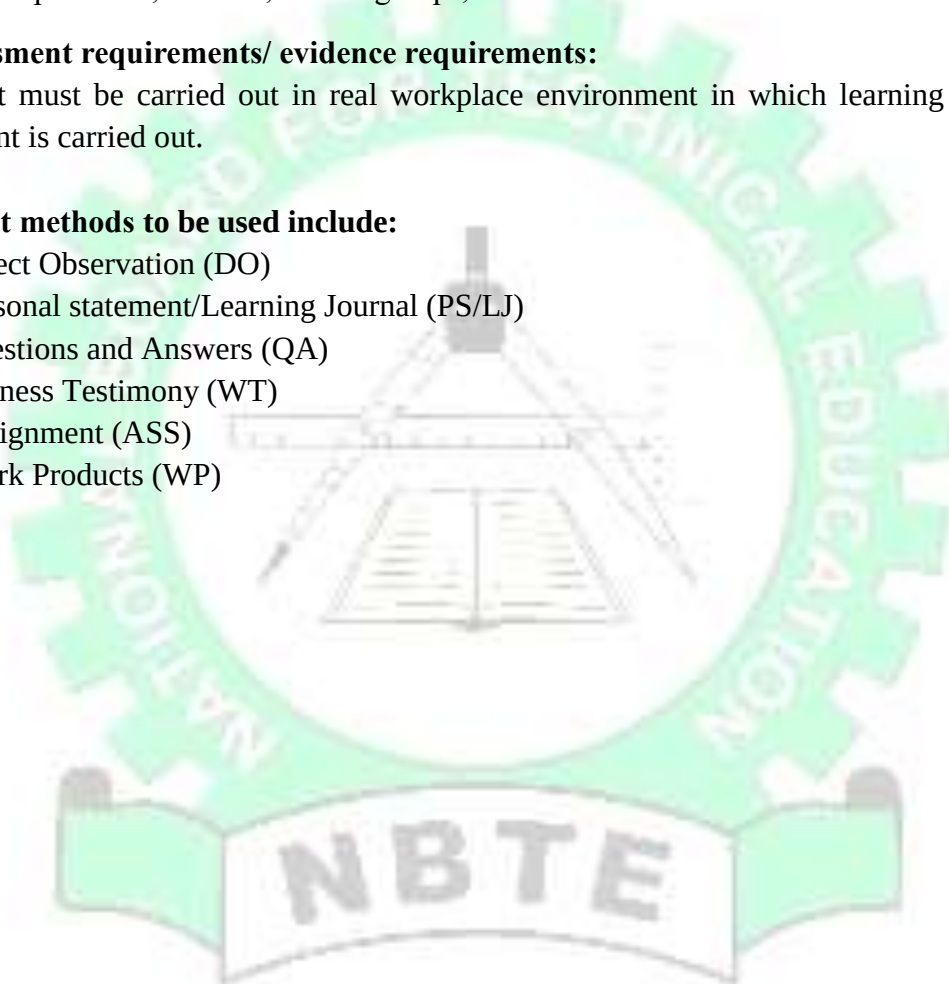
Unit Purpose: This unit equips learner with the competencies required to work effectively with colleagues, supervisors, farmers, farmer groups, and other stakeholders.

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. Work Products (WP)

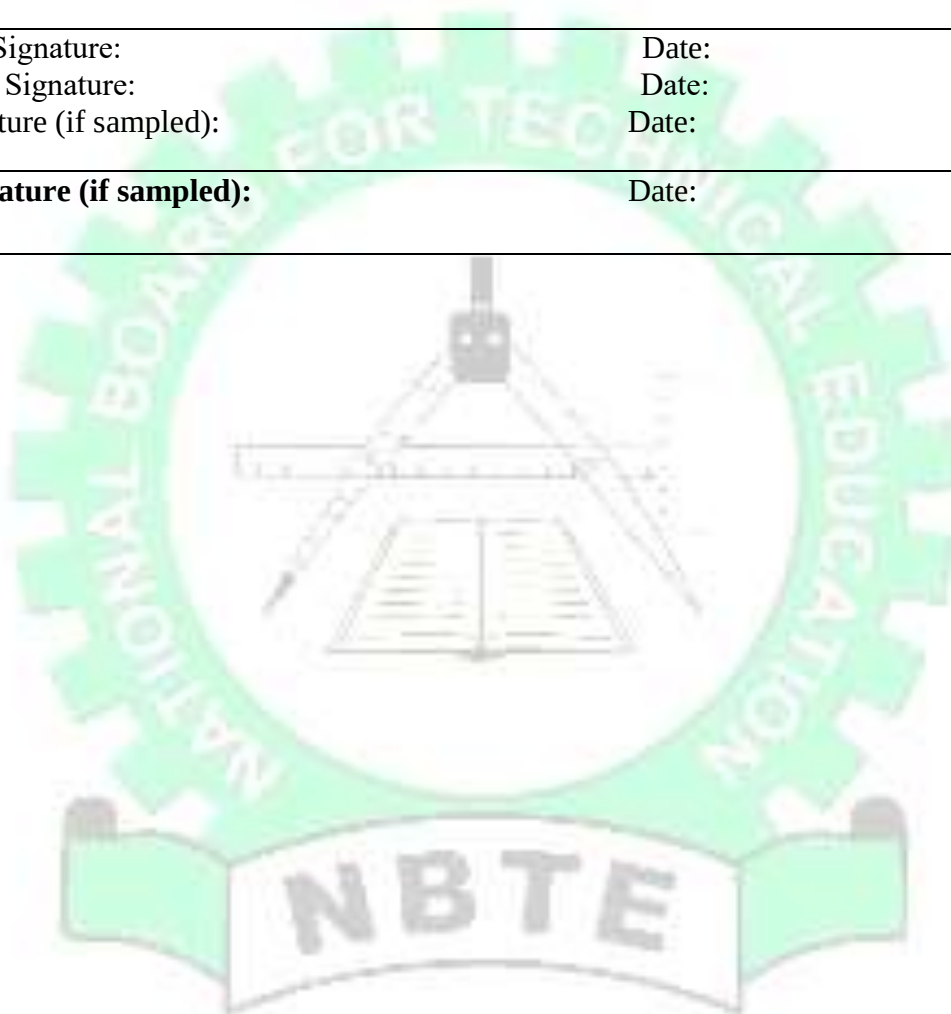


Unit 002: Teamwork

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
LO 1: Participate effectively in team activities.	1.1	Attend team meetings and work activities as scheduled.		
	1.2	Perform assigned team responsibilities according to instructions.		
	1.3	Contribute ideas and information during team discussions.		
	1.4			
LO 2: Communicate effectively with team members.	2.1	Share relevant work information with team members clearly and accurately.		
	2.2	Use respectful and professional language when interacting with colleagues and farmers.		
	2.3	Listen actively to the opinions and suggestions of others		
LO 3: Support team members in achieving work objectives.	3.1	Offer assistance to team members when required.		
	3.2	Cooperate with team members during field demonstrations and extension activities.		
	3.3	Identify own roles and responsibilities within a team.		
LO 4: Maintain positive working relationships.	4.1	Demonstrate honesty, respect, and fairness in all team interactions.		
	4.2	Resolve minor workplace disagreements through discussion and cooperation.		
	4.3	Promote trust and mutual respect among team members and		

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type		Evidence Ref. Page No.
The learner will:		The learner can:			
		stakeholders.			
	4.4	Participate in team reviews and evaluation meetings.			

Learner's Signature:	Date:
Assessor's Signature:	Date:
IQA Signature (if sampled):	Date:
EQA Signature (if sampled):	Date:



UNIT 003: OCCUPATIONAL HEALTH AND SAFETY

Unit Reference Number: AGR/AES/003/L2

NSQ Level: 2

Credit Value: 3

Guided Learning Hours: 90 hours

Unit Purpose: This unit equips learner with the competencies required to identify workplace hazards, apply occupational health and safety procedures, use personal protective equipment (PPE), respond to emergencies, and promote safe work practices while providing agricultural extension services.

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. Work Products (WP)

(This depends on the Trade Areas to be assessed)

Unit 003: Occupational Health and Safety

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
LO 1: Maintain a safe working environment	1.1	Identify physical, chemical, biological, agronomic, and environmental hazards in agricultural workplaces.		
	1.2	Recognize unsafe acts and unsafe conditions that may cause accidents or injuries.		
	1.3	Report identified hazards to the appropriate person promptly.		
LO 2: Apply occupational health and safety procedures	2.1	Follow workplace health and safety policies and procedures during extension activities.		
	2.2	Maintain a clean and organized work area to prevent accidents.		
	2.3	Carry out work according to safe operating procedures.		
	2.4	Comply with relevant occupational health and safety regulations and organizational requirements.		
LO 3: Use personal protective equipment (PPE)	3.1	Select appropriate PPE for specific agricultural tasks and hazards.		
	3.2	Wear PPE correctly before commencing work.		
	3.3	Inspect PPE for damage before and after use.		
	3.4	Clean, maintain, and store PPE according to manufacturer and workplace requirements.		

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
LO 4: Respond to workplace emergencies and incidents	4.1	Identify common workplace emergencies such as fire, chemical spills, equipment accidents, and severe weather.		
	4.2	Follow emergency response procedures according to workplace guidelines.		
	4.3	Use basic first aid procedures within the limits of own responsibility.		
	4.4	Report accidents, incidents, near misses, and injuries using established reporting procedures		
	4.5	Participate in emergency drills and evacuation exercises when required.		

Learner's Signature:	Date:
Assessor's Signature:	Date:
IQA Signature (if sampled):	Date:
EQA Signature (if sampled):	Date:

UNIT 004: AGRICULTURAL ADVISORY AND FARMER SUPPORT SERVICES

Unit Reference Number: AGR/AES/004/L2

NSQ Level: 2

Credit Value: 4

Guided Learning Hours: 120 hours

Unit Purpose: This unit equips learners with the knowledge and skills required to provide basic agricultural advisory and farmer support services.

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. Questions and Answers (QA)
8. Witness Testimony (WT)
9. Assignment (ASS)
10. Recognition of Prior Learning (RPL)/Accreditation of Prior Learning (APL)

(This depends on the Trade Areas to be assessed)



Unit 004: Agricultural Advisory and Farmer Support Services

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
<i>LO 1: Provide Basic Agricultural Advisory Services</i>	1.1	Conduct farm visit where necessary		
	1.2	Explain recommended agricultural practices to farmers using appropriate communication methods.		
	1.3	Provide accurate and up-to-date information on crops, livestock, or fisheries production.		
	1.4	Respond to farmers' questions within own level of responsibility		
	1.5	Refer complex technical issues to appropriate specialists or supervisors		
	1.6	Ensure advisory information is consistent with recommended agricultural guidelines and policies.		
<i>LO 2: Support Farmers in Adopting Improved Agricultural Practices</i>	2.1	Demonstrate recommended farming techniques to farmers where necessary.		
	2.2	Encourage farmers to adopt climate-smart and sustainable agricultural practices.		
	2.3	Guide farmers on the proper use of agricultural inputs and farm technologies.		
<i>LO 3: Assist Farmers to Access Agricultural Support Services</i>	3.1	Inform farmers about available agricultural programmes and support services.		
	3.2	Guide farmers on procedures for accessing agricultural inputs, finance, insurance, and extension programmes		
	3.3	Assist farmers in completing basic application or registration requirements where applicable.		

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
	3.4	Link farmers with relevant government agencies, private organizations, cooperatives, and service providers.		
	3.5	Maintain confidentiality of farmers' personal and business information.		
LO 4: Identify farmers' Needs and Provide Appropriate Support	4.1	Identify farmers' production challenges through observation and discussion.		
	4.2	Collect relevant farm information using approved methods and tools.		
	4.3	Prioritize farmers' immediate advisory needs.		
	4.4	Recommend practical solutions appropriate to local farming conditions.		
	4.5	Report unresolved issues to supervisors or technical specialists.		

Learner's Signature:	Date:
Assessor's Signature:	Date:
IQA Signature (if sampled):	Date:
EQA Signature (if sampled):	Date:

UNIT 005: FARMER TRAINING TECHNIQUES

Unit Reference Number: AGR/AES/005/L2

NSQ Level: 2

Credit Value: 4

Guided Learning Hours: 180 hours

Unit Purpose: This unit equips learner with knowledge and skills required to prepare, organize and deliver farmer training using appropriate extension methods and adult learning principles.

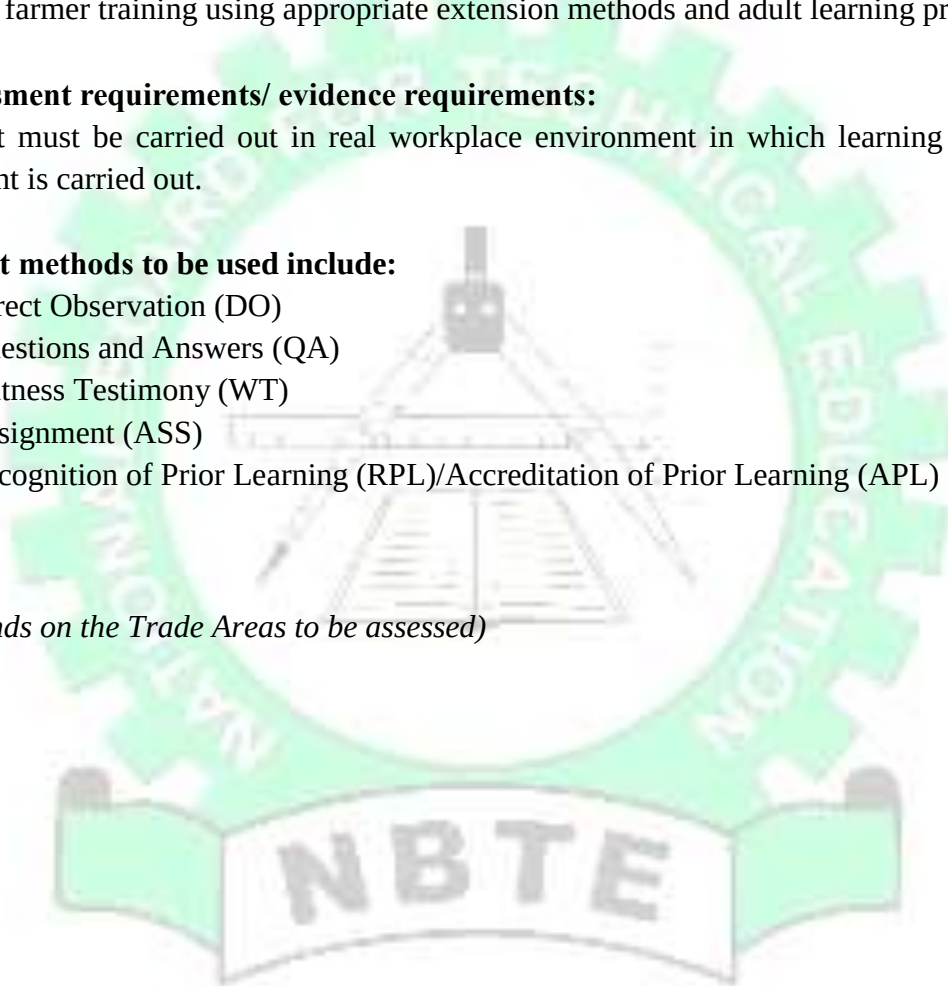
Unit assessment requirements/ evidence requirements:

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. Questions and Answers (QA)
8. Witness Testimony (WT)
9. Assignment (ASS)
10. Recognition of Prior Learning (RPL)/Accreditation of Prior Learning (APL)

(This depends on the Trade Areas to be assessed)



Unit 005: Farmer Training Techniques

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
LO 1: Prepare for Farmer Training Activities	1.1	Identify the training objectives based on farmers' needs and production challenges.		
	1.2	Gather appropriate training materials, tools, and demonstration equipment according to instructions		
	1.3	Assist to organize a suitable training venue that is safe, accessible, and conducive for learning.		
	1.4	Assist to organize training schedules according to the agreed work plan		
	1.5	Confirm the availability of participants and required resources before training.		
LO 2: Apply Appropriate Farmer Training Methods	2.1	Select training methods appropriate to farmers' literacy levels and learning needs.		
	2.2	Use practical demonstrations to explain agricultural technologies and practices to farmers		
	2.3	Encourage active participation through discussions, questions, role play and group activities.		
	2.4	Use visual aids, samples, and local examples to enhance understanding.		
	2.5	Use training methods to suit local culture, language, and farming conditions.		
LO 3: Assist to Deliver Farmer Training Sessions	3.1	Identify training information using appropriate communication techniques		

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
<i>Effectively</i>	3.2	Demonstrate recommended agricultural practices accurately and safely.		
	3.3	Respond to farmers' questions using correct technical information.		
	3.4	Manage training time effectively to achieve planned learning objectives		
	3.5	Present training information clearly using appropriate communication techniques		
LO 4: Facilitate Practical Learning and Skills Development	4.1	Guide farmers in carrying out practical exercises and demonstrations.		
	4.2	Supervise participants during hands-on activities to ensure correct procedures.		
	4.3	Provide constructive feedback to improve farmers' practical skills.		
	4.4	Promote safe use of farm tools, equipment, and agricultural inputs during practical sessions		

Learner's Signature:	Date:
Assessor's Signature:	Date:
IQA Signature (if sampled):	Date:
EQA Signature (if sampled):	Date:

UNIT 006: FARM DATA MANAGEMENT AND EXTENSION REPORTING

Unit Reference Number: AGR/AES/006/L2

NSQ Level: 2

Credit Value: 3

Guided Learning Hours:90 hours

Unit Purpose: This unit equip learners with competencies required to collect, record, organize, and report farm and extension-related information accurately

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. Work Products (WP)

(This depends on the Trade Areas to be assessed)



Unit 006: Farm Data Management and Extension Reporting

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
LO 1: Collect Farm Extension Data	1.1	Identify the type of farm data required according to extension activities.		
	1.2	Collect farm information from farmers using approved methods.		
	1.3	Record production and farm management data accurately		
	1.4	Assist to Verify collected information with farmers where necessary.		
	1.5	Follow organizational procedures during data collection.		
LO 2: Record Farm Data	2.1	Enter farm data into approved record books.		
	2.2	Organize records according to farm, farmer, or activity		
	2.3	Update records regularly with new information.		
	2.4	Maintain confidentiality of farmers' information according to organizational guidelines.		
LO 3: Use Basic Digital Tools for Farm Data Management	3.1	Operate basic digital devices for data entry		
	3.2	Save electronic records correctly		
	3.3	Retrieve electronic records correctly		
LO 4: Monitor Data Quality and	4.1	Check farm records for completeness and accuracy.		

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
Reporting Compliance	4.2	Identify errors in recorded data.		
	4.3	Correct errors in recorded data.		
	4.4	Ensure reports comply with organizational standards.		
	4.5	Report challenges affecting data collection to the appropriate authority		

Learner's Signature:	Date:
Assessor's Signature:	Date:
IQA Signature (if sampled):	Date:
EQA Signature (if sampled):	Date:

UNIT 007: CLIMATE-SMART AGRICULTURE AND AGRICULTURAL INPUT LINKAGES

Unit Reference Number: AGR/AES/007/L2

NSQ Level: 2

Credit Value: 4

Guided Learning Hours: 120 hours

Unit Purpose: This unit equips learner with knowledge and skills to promote climate-smart agricultural practices and facilitate farmers' access to quality agricultural inputs.

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. Work Products (WP)

(This depends on the Trade Areas to be assessed)

Unit 007: Climate-Smart Agriculture and Agricultural Input Linkages

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
LO 1: Explain principles of Climate-Smart Agriculture (CSA)	1.1	Define Climate-Smart Agriculture according to workplace guidelines.		
	1.2	Discuss the Objective of Climate-Smart Agriculture.		
	1.3	Describe common climate-related challenges affecting agricultural production.		
	1.4	Explain the importance of climate adaptation and mitigation in agriculture.		
LO 2: Promote Climate-Smart Agricultural Practices	2.1	Identify climate-smart farming practices suitable for local conditions.		
	2.2	Demonstrate appropriate soil and water conservation practices.		
	2.3	Demonstrate efficient water management techniques to farmers		
	2.4	Advise the use of improved and climate-resilient crop varieties and livestock breeds		
	2.5	Advise farmers on sustainable land management practices.		
LO 3: Identify agricultural Inputs for farmers	3.1	Identify major agricultural inputs required by farmers.		
	3.2	Explain the proper use of: • Seeds, • Fertilizers, • Agrochemicals, • Feeds, and		

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
		Planting materials		
	3.3	Guide farmers in selecting quality agricultural inputs.		
	3.4	Promote the timely acquisition and proper storage of agricultural inputs.		
LO 4: Support Farmers in the Safe and Efficient Use of Agricultural Inputs	4.1	Explain safe handling procedures for agricultural inputs.		
	4.2	Demonstrate the correct application of fertilizers and agrochemicals.		
	4.3	Promote the use of personal protective equipment (PPE) during input application.		
	4.4	Comply with manufacturers' instructions and regulatory requirements.		

Learner's Signature:	Date:
Assessor's Signature:	Date:
IQA Signature (if sampled):	Date:
EQA Signature (if sampled):	Date:

UNIT 008: PRECISION AGRICULTURE AND DIGITAL EXTENSION SERVICES

Unit Reference Number: AGR/AES/008/L2

NSQ Level: 2

Credit Value: 4

Guided Learning Hours: 120 hours

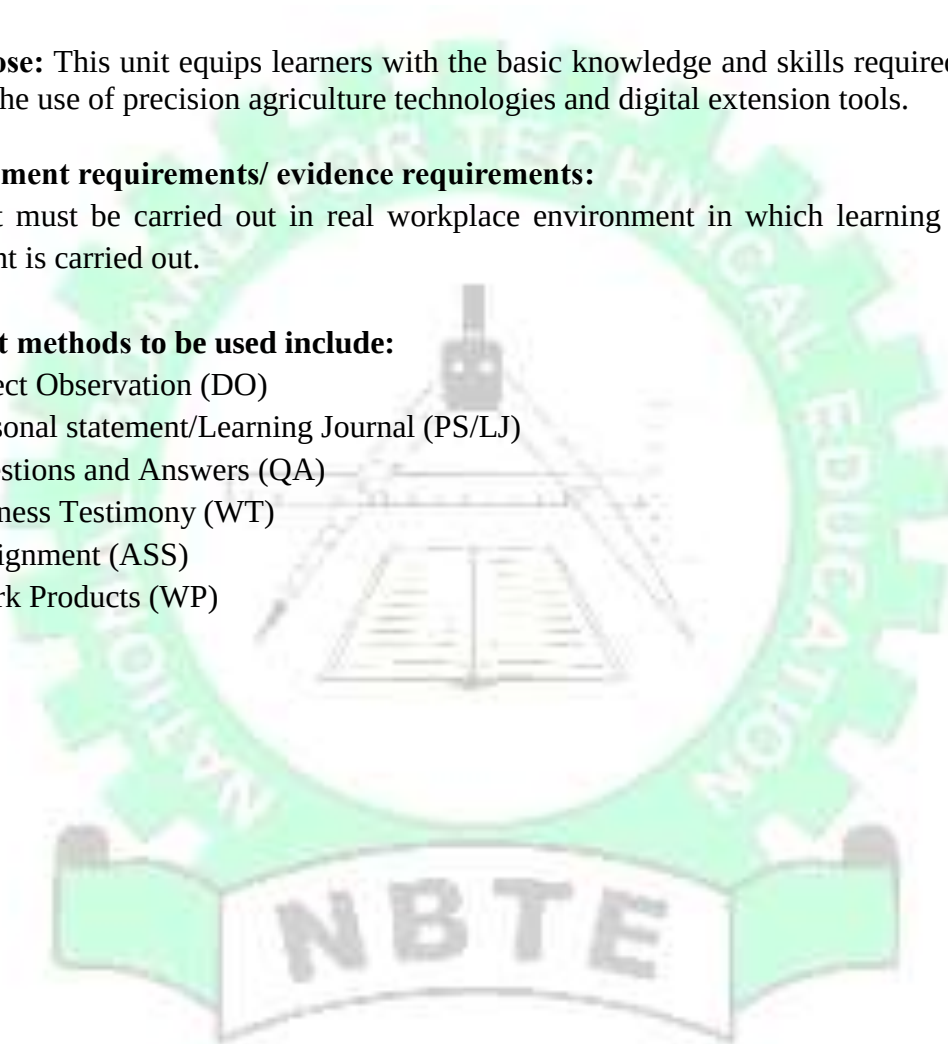
Unit Purpose: This unit equips learners with the basic knowledge and skills required to support farmers in the use of precision agriculture technologies and digital extension tools.

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. Work Products (WP)



Unit 008: Precision Agriculture and Digital Extension Services

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type		Evidence Ref. Page No.
The learner will:		The learner can:			
<i>LO 1: Explain the Principles of Precision Agriculture</i>	1.1	Define precision agriculture and explain its importance in modern farming.			
	1.2	Identify the components of precision agriculture.			
	1.3	Explain the benefits of precision agriculture for smallholder farmers			
	1.4	Identify common digital tools used in agricultural extension.			
	1.5	Describe the role of agricultural extension service providers in promoting precision agriculture.			
<i>LO 2: Use Basic Digital Tools for Agricultural Extension</i>	2.1	Operate smartphones and tablets for extension activities.			
	2.2	Capture farm data using approved digital applications.			
	2.3	Record farmers' GPS coordinates using mobile devices.			
	2.4	Use digital cameras to document farm activities.			
	2.5	Store and retrieve digital records correctly.			
<i>LO 3: Support Farmers in Using Digital Agricultural Information</i>	3.1	Access weather forecast information from approved sources.			
	3.2	Share weather advisories with farmers.			
	3.3	Demonstrate the use of mobile agricultural advisory applications.			
	3.4	Guide farmers in using digital information for production decisions.			
	3.5	Promote responsible use of digital technologies.			

Learner's Signature:	Date:
Assessor's Signature:	Date:
IQA Signature (if sampled):	Date:
EQA Signature (if sampled):	Date:



NATIONAL SKILLS QUALIFICATION (NSQ)

AGRICULTURAL EXTENSION SERVICE PROVIDER

LEVEL 3

JUNE, 2026



NATIONAL SKILLS QUALIFICATION GENERAL INFORMATION OVERVIEW

This qualification is designed for individuals who are interested in pursuing a career Agric extension service provider for the award of National Skills Qualifications (NSQ)/National Occupational Standards (NOS). It is aimed at producing NSQ Level 3 with the competencies necessary to support in Agricultural extension service provider. This qualification is subject to review as and when the need arises.

QUALIFICATION PURPOSE

This qualification is targeted at developing competence in Agricultural extension service provider. This is focused on knowledge, practical skills, communication skills, health and safety, team work and workplace experience.

QUALIFICATION REQUIREMENTS

All Candidates must be:

- At least sixteen (16) years of age
- Medically fit
- Mentally fit (Mental alertness)
- A Nigerian citizen
- Other nationals should present international passport, residence permit or Parent work permit.
- Vetted
- Interested in agricultural production and related support operations;
- Able to carry out practical tasks independently and to guide the work of others.

QUALIFICATION OBJECTIVES

To achieve this qualification, the learner should have the following competencies:

- i. Communicate effectively with diverse stakeholders and prepare professional agricultural extension information and reports.
- ii. Lead, coordinate, and supervise agricultural extension teams and multidisciplinary activities.
- iii. Implement, monitor, and promote occupational health, safety, and environmental management systems.
- iv. Demonstrate leadership, professional ethics, quality assurance, and regulatory compliance in extension service delivery.
- v. Plan, coordinate, implement, and monitor agricultural extension programmes.

- vi. Design, organize, and evaluate farmer training, technology transfer, and innovation programmes.
- vii. Monitor and evaluate agricultural extension programmes using appropriate information management systems.
- viii. Promote agribusiness development, market linkages, and entrepreneurship among farmers.
- ix. Build and strengthen partnerships among farmers, research institutions, government agencies, private sector organizations, cooperatives, financial institutions, and off-takers.
- x. Promote sustainable natural resource management and climate-resilient agricultural practices.
- xi.** Supervise and continuously improve agricultural extension service delivery through evidence-based decision-making and stakeholder engagement.



National Skills Qualification/National Occupation Standard (NSQ/NOS) Unit Table

MANDATORY UNITS

Unit	Unit Reference	Unit Title	Credit Value	Guided Learning Hours	Practice Time	Remark
1	AGR/AES/001/L3	Communication in Agricultural Extension Services	3	30	90	Mandatory
2	AGR/AES/002/L3	Teamwork	3	30	90	Mandatory
3	AGR/AES/003/L3	Occupational Health and Safety	3	30	90	Mandatory
4	AGR/AES/004/L3	Leadership, Professional Ethics and Assurance Quality	4	40	180	Mandatory
5	AGR/AES/005/L3	Agricultural Extension Programme Planning and Coordination	5	50	200	Mandatory
6	AGR/AES/006/L3	Farmer Training, Technology Transfer and Innovation	5	50	200	Mandatory
7	AGR/AES/007/L3	Monitoring, Evaluation and Extension Information Management	4	40	190	Mandatory
8	AGR/AES/008/L3	Agribusiness Development	4	40	180	Mandatory
9	AGR/AES/009/L3	Stakeholder Partnerships and Sustainable Natural Resource Management	3	30	180	Mandatory
TOTAL			34	340	1400	

QUALIFICATION STRUCTURE

This qualification comprises a total of nine (9) mandatory units with 34 Credit Value and 340 Guided Learning Hours across the full unit set. One (1) Credit is equivalent to approximately Ten (10) Guided Learning Hours (GLH). To achieve this qualification, the learner must complete all mandatory units and accumulate the minimum credit value approved by NBTE. Credit is awarded only when a learner has been assessed as competent against all Learning Objectives and Performance Criteria of a unit. *The actual Total Learning Hours for each Credit will then be a minimum of 15 hours.*

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 AGRICULTURAL EXTENSION SERVICES

Unit reference number: AGR/AES/001/L3

NSQ Level: 3

Credit value: 3

Guided learning hours: 90 hours

Unit Purpose: This unit specifies the competencies required to communicate effectively in agricultural extension work by using appropriate communication techniques.

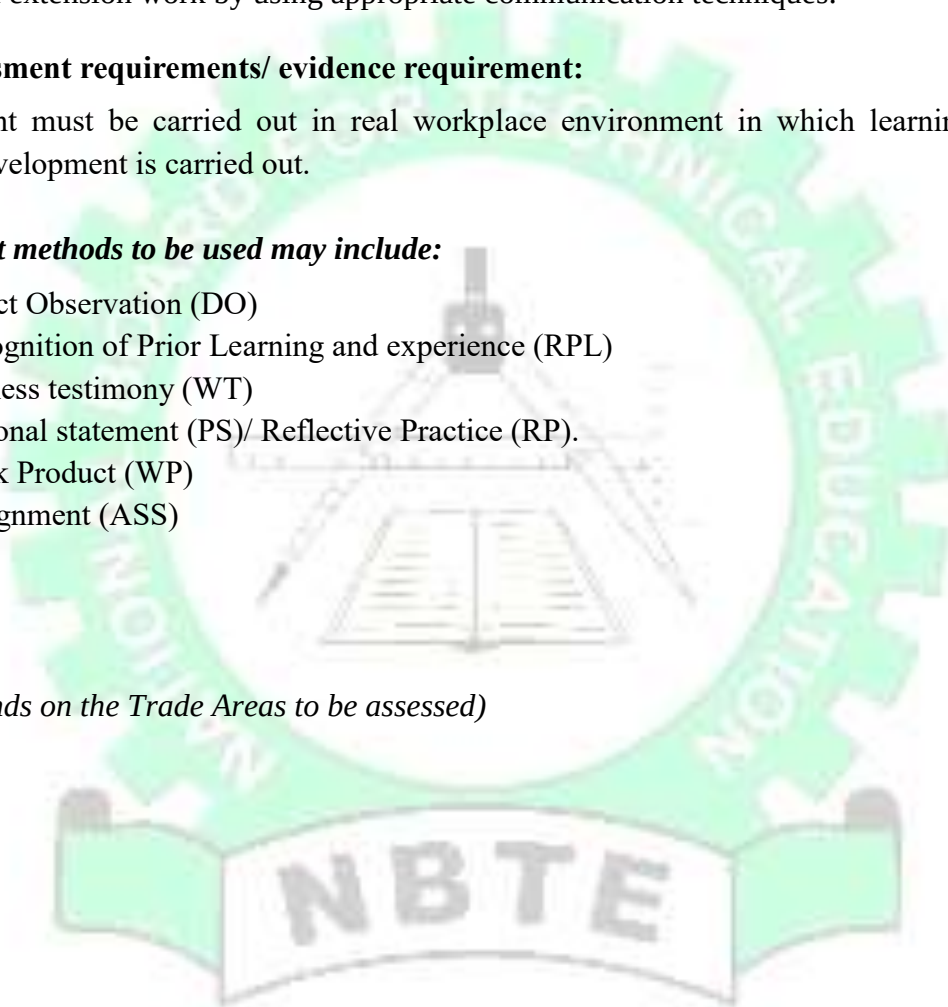
Unit assessment requirements/ evidence requirement:

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

Assessment methods to be used may include:

1. Direct Observation (DO)
2. Recognition of Prior Learning and experience (RPL)
3. Witness testimony (WT)
4. Personal statement (PS)/ Reflective Practice (RP).
5. Work Product (WP)
6. Assignment (ASS)

(This depends on the Trade Areas to be assessed)



.UNIT 1: Communication in Agricultural Extension Service Provider

LEARNING OUTCOME (LO) The learner will:		PERFORMANCE CRITERIA The learner can:	Evidence Type	Evidence Ref. Page No.
LO 1: Communicate effectively with farmers and stakeholders	1.1	Identify the communication needs of different audiences.		
	1.2	Select appropriate communication methods for the target audience.		
	1.3	Use language that is suitable for the literacy and cultural background of the audience		
LO 2: Prepare and deliver agricultural extension messages	2.1	Organize extension information before communication.		
	2.2	Prepare communication materials appropriate to the subject matter.		
	2.3	Deliver extension messages confidently and professionally.		
	2.4	Explain technical agricultural practices using simple and practical examples		
	2.5	Respond appropriately to questions that require clarification.		
LO 3: Maintain effective workplace communication	3.1	Exchange work-related information with supervisors and colleagues promptly.		
	3.2	Participate actively in meetings, briefings, and team discussions.		
	3.3	Communicate work progress and challenges using established reporting procedures.		
	3.4	Prepare reports after meetings, briefings, and team discussions.		

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA The learner can:	Evidence Type	Evidence Ref. Page No.
The learner will:				
LO 4: Document and report communication activities	4.1	Record communication activities accurately and completely		
	4.2	Prepare extension reports according to organizational requirements.		
	4.3	Maintain records of farmer interactions and extension services provided.		
	4.4	Store communication records securely for future reference.		

Learner's Signature:	Date:
Assessor's Signature:	Date:
IQA Signature (if sampled):	Date:
EQA Signature (if sampled):	Date:

UNIT 002: TEAMWORK

Unit Reference Number: AGR/AES/002/L3

NSQ Level: 3

Credit Value: 3

Guided Learning Hours: 90 hours

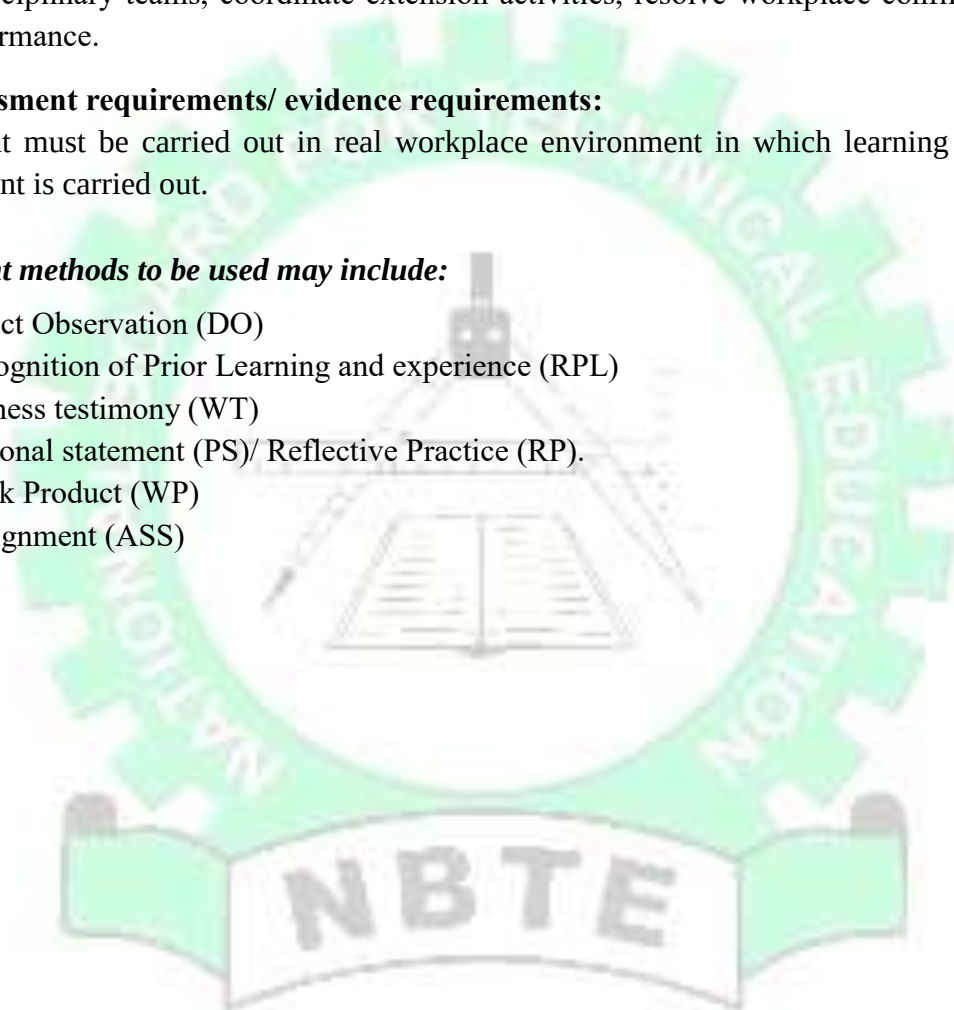
Unit Purpose: This unit equips learners with knowledge and skills required to work effectively in multidisciplinary teams, coordinate extension activities, resolve workplace conflicts, support team performance.

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 may include:

1. Direct Observation (DO)
2. Recognition of Prior Learning and experience (RPL)
3. Witness testimony (WT)
4. Personal statement (PS)/ Reflective Practice (RP).
5. Work Product (WP)
6. Assignment (ASS)



Unit 002: Teamwork

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
<i>LO 1: Coordinate team activities to achieve extension service objectives</i>	1.1	Facilitate regular team meetings to exchange information.		
	1.2	Communicate work instructions clearly using appropriate communication methods.		
	1.3	Share technical information and updates with team members promptly.		
<i>LO 2: Support collaboration with stakeholders and multidisciplinary teams.</i>	2.1	Collaborate with agricultural professionals and relevant stakeholders.		
	2.2	Coordinate extension activities with farmer groups and community organizations.		
	2.3	Promote partnerships that improve agricultural productivity and rural development.		
<i>LO 3: Demonstrate leadership and accountability within the team.</i>	3.1	Lead assigned team activities in accordance with organizational policies.		
	3.2	Mentor less experienced team members.		
	3.3	Evaluate team achievements and identify opportunities for continuous improvement.		

Learner's Signature:	Date:
Assessor's Signature:	Date:
IQA Signature (if sampled):	Date:
EQA Signature (if sampled):	Date:

UNIT 003: OCCUPATIONAL HEALTH AND SAFETY

Unit Reference Number: AGR/AES/003/L3

NSQ Level: 3

Credit Value: 3

Guided Learning Hours: 90 hours

Unit Purpose: This unit equips learners with the competencies required to implement, monitor, and promote occupational health and safety practices in agricultural workplaces.

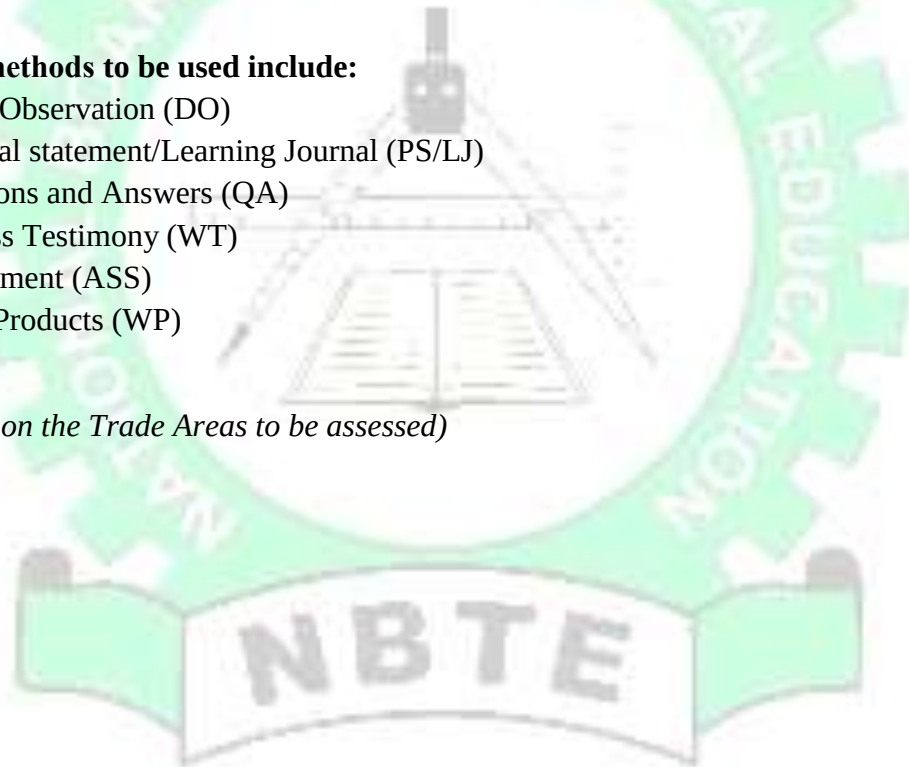
Unit assessment requirements/ evidence requirements:

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. Work Products (WP)

(This depends on the Trade Areas to be assessed)



Unit 003: Occupational Health and Safety

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type					Evidence Ref. Page No.			
The learner will:		The learner can:									
LO 1: Conduct Occupational Hazard Identification and Risk Assessment	1.1	Assess the level of risks associated with identified hazards using approved workplace procedures.									
	1.2	Prioritize hazards according to their severity and likelihood of occurrence.									
	1.3	Recommend appropriate control measures using the hierarchy of hazard controls.									
LO 2: Implement Safe Work Practices During Agricultural Extension Activities	2.1	Apply safe work procedures during field demonstrations, farm visits, and training activities									
	2.2	Ensure appropriate Personal Protective Equipment (PPE) is selected, used, and maintained.									
	2.3	Verify that agricultural tools, machinery, and equipment are used safely.									
	2.4	Monitor compliance with workplace health and safety procedures during extension activities.									
LO 3: Respond to Occupational Emergencies and Incidents	3.1	Identify potential emergency situations in agricultural workplaces.									
	3.2	Apply workplace emergency response procedures during accidents and hazardous incidents.									
	3.3	Complete accident and incident reports accurately according to organizational procedures.									

Learner's Signature:	Date:
Assessor's Signature:	Date:
IQA Signature (if sampled):	Date:
EQA Signature (if sampled):	Date:



UNIT 004: LEADERSHIP, PROFESSIONAL ETHICS AND QUALITY ASSURANCE

Unit Reference Number: AGR/AES/004/L3

NSQ Level: 3

Credit Value: 4

Guided Learning Hours: 180 hours

Unit Purpose: This unit equips agricultural extension service providers with the competencies required to demonstrate leadership, uphold professional ethics, and promote quality assurance in agricultural extension service delivery

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. Questions and Answers (QA)
3. Witness Testimony (WT)
4. Assignment (ASS)
5. Recognition of Prior Learning (RPL)/Accreditation of Prior Learning (APL)

(This depends on the Trade Areas to be assessed)

Unit 004: Leadership, Professional Ethics and Quality Assurance

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type					Evidence Ref. Page No.			
The learner will:		The learner can:									
LO 1: Demonstrate leadership in agricultural extension activities	1.1	Lead extension activities in accordance with organizational objectives and work plans									
	1.2	Allocate tasks to team members based on competence and responsibilities.									
	1.3	Provide guidance and support to colleagues during extension service delivery.									
	1.4	Resolve workplace conflicts using appropriate procedures.									
LO 2: Apply professional ethics in agricultural extension services	2.1	Demonstrate honesty, integrity, and accountability in all work activities.									
	2.2	Maintain confidentiality of farmers' and organizational information.									
	2.3	Treat farmers, colleagues, and stakeholders with fairness and respect.									
	2.4	Avoid conflicts of interest during service delivery.									
	2.5	Comply with organizational code of conduct and professional standards.									
	2.6	Report unethical practices through appropriate reporting channels									
LO 3: Ensure quality in agricultural extension service delivery	3.1	Apply established quality standards during extension activities.									
	3.2	Monitor extension services to ensure they meet organizational requirements.									
	3.3	Identify deviations from quality standards and recommend corrective actions.									

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
	3.4	Verify that extension information provided to farmers is accurate and current.		
	3.5	Maintain records required for quality assurance processes.		
	3.6	Participate in quality assessment and improvement activities.		
LO 4: Monitor compliance with policies, standards and regulations	4.1	Ensure extension activities comply with relevant agricultural policies and regulations.		
	4.2	Monitor adherence to organizational procedures and operational guidelines.		
	4.3	Identify non-compliance issues during extension activities.		
	4.4	Report non-compliance according to organizational procedures.		
	4.5	Support implementation of corrective and preventive actions.		
	4.6	Promote compliance awareness among team members and farmers.		

Learner's Signature:	Date:
Assessor's Signature:	Date:
IQA Signature (if sampled):	Date:
EQA Signature (if sampled):	Date:

UNIT 005: AGRICULTURAL EXTENSION PROGRAMME PLANNING AND COORDINATION

Unit Reference Number: AGR/AES/005/L3

NSQ Level:3

Credit Value: 5

Guided Learning Hours: 200 hours

Unit Purpose: This unit is designed to equip the learner with competencies required to plan, organize, coordinate, implement and monitor agricultural extension programmes

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. Questions and Answers (QA)
3. Witness Testimony (WT)
4. Assignment (ASS)
5. Recognition of Prior Learning (RPL)/Accreditation of Prior Learning (APL)

(This depends on the Trade Areas to be assessed)



Unit 005: Agricultural Extension Programme Planning and Coordination

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
LO 1: Assess Community Agricultural Extension Needs	1.1	Collect information on farmers' production challenges using appropriate data collection methods.		
	1.2	Identify priority agricultural needs of individuals, groups, and communities.		
	1.3	Analyse information collected to determine extension priorities.		
	1.4	Consult relevant stakeholders during needs assessment.		
	1.5	Document findings according to organizational procedures.		
LO 2: Develop Agricultural Extension Programme Plans	2.1	Identify programme objectives based on community needs.		
	2.2	Prepare extension activities and implementation schedules.		
	2.3	Allocate available resources for programme implementation.		
	2.4	Select appropriate extension methods and communication approaches.		
	2.5	Prepare programme plans in accordance with organizational guidelines.		
LO 3: Agricultural Extension Programme Implementation	3.1	Organize extension activities according to approved work plans.		
	3.2	Coordinate farmers, extension personnel, and relevant stakeholders.		
	3.3	Ensure timely availability of programme resources and logistics.		
	3.4	Monitor implementation schedules to		

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
		achieve programme objectives.		
	3.5	Address implementation challenges within assigned responsibilities.		
LO 4: Manage Agricultural Extension Resources	4.1	Identify human, financial, and material resources required for programme activities.		
	4.2	Utilize available resources efficiently.		
	4.3	Maintain inventory records of extension materials and equipment.		
	4.4	Report resource shortages and constraints promptly.		
LO 5: Monitor Agricultural Extension Programme Activities	5.1	Monitor programme activities using approved monitoring tools.		
	5.2	Compare programme progress with planned activities.		
	5.3	Identify implementation gaps and recommend corrective actions		
	5.4	Collect feedback from farmers and other stakeholders.		
	5.5	Maintain accurate monitoring records.		

Learner's Signature:	Date:
Assessor's Signature:	Date:
IQA Signature (if sampled):	Date:
EQA Signature (if sampled):	Date:

UNIT 006: FARMER TRAINING, TECHNOLOGY TRANSFER AND INNOVATION

Unit Reference Number: AGR/AES/006/L3

NSQ Level: 3

Credit Value: 5

Guided Learning Hours: 200 hours

Unit Purpose: This unit is designed to provide learners with competencies required to plan, organize, deliver, and evaluate farmer training programmes while promoting technology transfer and innovation.

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. Work Products (WP)

(This depends on the Trade Areas to be assessed)



Unit 006: Farmer Training, Technology Transfer and Innovation

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
LO 1: Plan farmer training programmes	1.1	Identify farmers' training needs through field assessments and stakeholder consultations.		
	1.2	Identify clear training objectives based on needs.		
	1.3	Prepare training plans, schedules, and resource requirements.		
	1.4	Select appropriate training methods according to farmers' literacy levels and local conditions.		
	1.5	Select appropriate venue for training activities		
LO 2: Conduct farmer training activities	2.1	Deliver training using participatory and learner-centred approaches.		
	2.2	Demonstrate recommended agricultural practices clearly and accurately.		
	2.3	Facilitate active participation, discussion, and knowledge sharing among farmers.		
	2.4	Use appropriate teaching aids, demonstration materials, and communication tools.		
	2.5	Respond to farmers' questions and provide practical solutions during training sessions		
LO 3: Facilitate	3.1	Introduce improved agricultural		

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type				Evidence Ref. Page No.			
The learner will:		The learner can:								
<i>technology transfer</i>		technologies suitable for local farming systems.								
	3.2	Explain the benefits, limitations, and proper application of recommended technologies.								
	3.3	Organize field demonstrations and practical trials for technology adoption.								
	3.4	Support farmers in adapting technologies to local environmental and socio-economic conditions.								
<i>LO 4: Promote agricultural innovation</i>	4.1	Identify innovative agricultural practices that address farmers' production challenges.								
	4.2	Facilitate collaboration between farmers, researchers, and relevant stakeholders.								
	4.3	Promote climate-smart, sustainable, and environmentally friendly innovations.								
<i>LO 5: Support continuous learning and knowledge sharing</i>	5.1	Establish follow-up activities to reinforce farmers' learning.								
	5.2	Facilitate farmer-to-farmer learning and peer exchange								
	5.3	Provide updated technical information through appropriate communication channels.								
	5.4	Promote farmers participation in extension networks, cooperatives, and innovation platforms.								

Learner's Signature:	Date:
Assessor's Signature:	Date:
IQA Signature (if sampled):	Date:
EQA Signature (if sampled):	Date:



UNIT 007: MONITORING, EVALUATION AND EXTENSION INFORMATION MANAGEMENT

Unit Reference Number: AGR/AES/007/L3

NSQ Level: 3

Credit Value: 4

Guided Learning Hours: 190 hours

Unit Purpose: This unit is designed to provide learners with competencies required to monitor agricultural extension activities, collect and analyze field data, evaluate programme performance, maintain extension information systems, prepare reports, and use monitoring and evaluation findings to improve extension service delivery.

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. Work Products (WP)

(This depends on the Trade Areas to be assessed)

Unit 007: Monitoring, Evaluation and Extension Information Management

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
LO 1: Plan Monitoring and Evaluation Activities (M&E)	1.1	Identify monitoring and evaluation objectives according to programme requirements.		
	1.2	Select appropriate monitoring indicators for extension activities.		
	1.3	Develop a monitoring schedule in line with the extension work plan.		
	1.4	Identify appropriate methods and tools for data collection.		
	1.5	Allocate monitoring responsibilities according to organizational procedures.		
	1.6	Comply with organizational policies and ethical requirements during monitoring plan.		
LO 2: Collect and Manage Extension Data	2.1	Collect field data using approved monitoring tools.		
	2.2	Verify the accuracy and completeness of collected information.		
	2.3	Record extension data using approved formats or digital systems.		
	2.4	Store information securely to maintain confidentiality and integrity.		
	2.5	Update extension databases regularly with current field information.		
LO 3: Analyse Extension	3.1	Organize collected data for analysis.		
	3.2	Analyze extension data using		

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
Programme Performance		appropriate methods and tools.		
	3.3	Compare programme performance against established indicators and targets.		
	3.4	Identify strengths, weaknesses, achievements, and gaps in programme implementation.		
	3.5	Document findings accurately for decision-making.		
LO 4: Manage Extension Information Systems	4.1	Operate extension information management systems according to organizational procedures.		
	4.2	Update farmer, farm, and programme records accurately.		
	4.3	Retrieve information to support planning and decision-making.		
	4.4	Maintain data quality through regular verification and validation.		
	4.5	Protect information against unauthorized access or loss.		

Learner's Signature:	Date:
Assessor's Signature:	Date:
IQA Signature (if sampled):	Date:
EQA Signature (if sampled):	Date:

UNIT 008: AGRIBUSINESS DEVELOPMENT

Unit Reference Number: AGR/AES/008/L3

NSQ Level: 3

Credit Value: 4

Guided Learning Hours: 180 hours

Unit Purpose: This unit equips learners with the knowledge and skills required to support farmers, farmer groups, and agribusiness enterprises in identifying business opportunities,

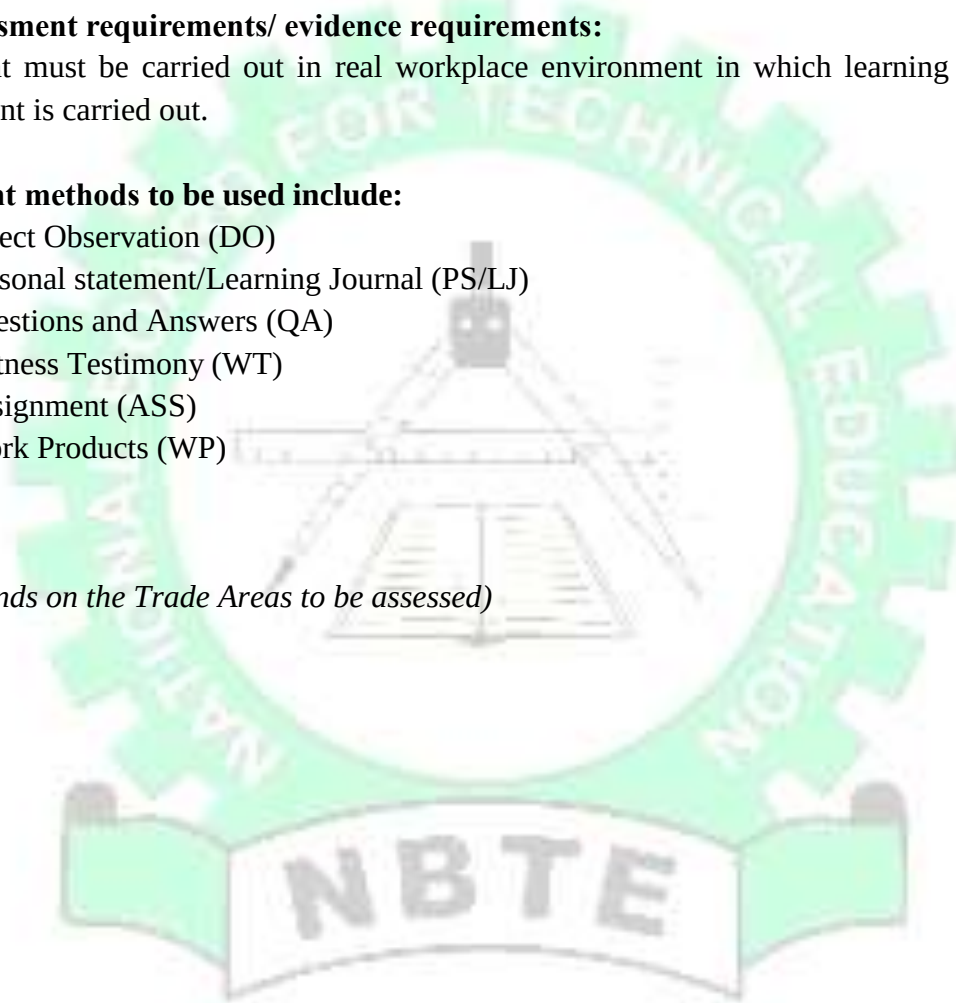
Unit assessment requirements/ evidence requirements:

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. Work Products (WP)

(This depends on the Trade Areas to be assessed)

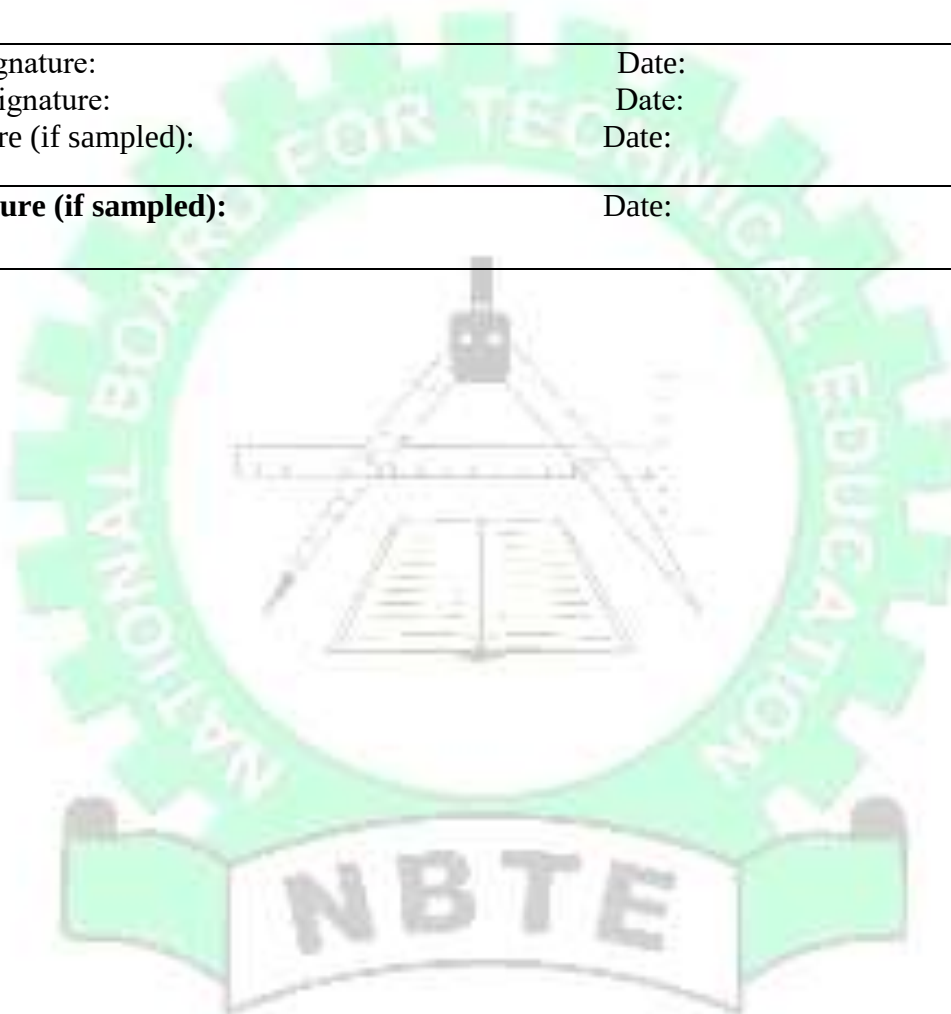


Unit 008: Agribusiness Development

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type				Evidence Ref. Page No.			
The learner will:		The learner can:								
LO 1: Identify Agribusiness Opportunities	1.1	Assess available agricultural resources and production potential within the community.								
	1.2	Identify viable agribusiness opportunities based on market demand.								
	1.3	Analyse value chain opportunities for agricultural commodities								
	1.4	Identify target customers and market segment								
LO 2: Support Agribusiness Planning	2.1	Assist farmers or farmer groups in defining agribusiness goals.								
	2.2	Facilitate the preparation of simple agribusiness or business plans.								
	2.3	Estimate production costs, expected income, and profitability								
	2.4	Identify risks that may affect agribusiness productivity								
LO 3: Promote Market Access and Enterprise Development	3.1	Identify available markets for agricultural products.								
	3.2	Facilitate linkages between producers and buyers								
	3.3	Promote value addition and product quality improvement								
	3.4	Support compliance with market requirements and standards.								
	3.5	Facilitate participation in producer organisations, cooperatives, and								

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
		marketing associations.		
	3.6	Facilitate institutional collaboration		

Learner's Signature:	Date:
Assessor's Signature:	Date:
IQA Signature (if sampled):	Date:
EQA Signature (if sampled):	Date:



UNIT 009: STAKEHOLDER PARTNERSHIPS AND SUSTAINABLE NATURAL RESOURCE MANAGEMENT

Unit Reference Number: AGR/AES/009/L3

NSQ Level: AGR/AES/009/L3

Credit Value: 3

Guided Learning Hours: 180 hours

Unit Purpose: This unit equips agricultural extension service providers with the competencies required to establish, coordinate, and maintain partnerships with stakeholders to promote sustainable natural resource management (SNRM).

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. Work Products (WP)

(This depends on the Trade Areas to be assessed)

Unit 009: Stakeholder Partnerships And Sustainable Natural Resource Management

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type				Evidence Ref. Page No.			
The learner will:		The learner can:								
LO 1: Recognise stakeholders involved in sustainable natural resource management	1.1	Identify relevant stakeholders involved in sustainable natural resource management.								
	1.2	Classify stakeholders according to their roles, interests, and influence.								
	1.3	Determine stakeholder needs and expectations.								
	1.4	Collect stakeholder information using appropriate method								
LO 2: Establish stakeholder partnerships	2.1	Communicate partnership objectives to stakeholders.								
	2.2	Facilitate stakeholder meetings using appropriate communication techniques.								
	2.3	Promote participation of relevant stakeholders in planning activities.								
	2.4	Establish partnership agreements in accordance with organizational guidelines.								
LO 3: Coordinate collaborative natural resource management activities	3.1	Develop collaborative action plans with stakeholders.								
	3.2	Assign roles and responsibilities among partners.								
	3.3	Coordinate implementation of agreed natural resource management activities.								
	3.4	Promote inclusive participation of								

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
		women, youth, and vulnerable groups.		
	3.5	Maintain effective communication throughout implementation.		
LO 4: Promote sustainable natural resource management practices	4.1	Adopt sustainable land, water, forest, and biodiversity management practices.		
	4.2	Promote climate-smart agricultural practices among stakeholders.		
	4.3	Support community awareness programmes on environmental conservation.		
	4.4	Encourage adoption of environmentally sustainable technologies.		

Learner's Signature:	Date:
Assessor's Signature:	Date:
IQA Signature (if sampled):	Date:
EQA Signature (if sampled):	Date:

MINIMUM EQUIPMENT LIST FOR AGRICULTURAL EXTENSION SERVICE PROVIDER

S/N	Equipment	Minimum Quantity
1.	Multimedia Projector	1
2.	Laptop Computer	2
3.	Desktop Computers	10
4.	Printer/Scanner/Copier (Multifunction)	1
5.	Internet Router	1
6.	Public Address System	1
7.	Flip Charts	4
8.	White Boards	2
9.	Portable Public Address (Megaphone)	2
10.	Digital Camera	1
11.	GPS Handheld Device	2
12.	Android Tablets	10
13.	Smartphones (Training use)	10
14.	Power Bank	10
15.	Solar Backup/Inverter	1
16.	Drone	1

DEMONSTRATION FARM EQUIPMENT

S/N	Equipment	Minimum Quantity
1.	Cutlasses	20
2.	Hoes	20
3.	Garden Rakes	10
4.	Digging Forks	10
5.	Hand Trowels	20
6.	Shovels	10
7.	Wheelbarrows	6
8.	Watering Cans	15
9.	Knapsack Sprayers (15–20 L)	10
10.	Measuring Tape (50 m)	5
11.	Soil Auger	2
12.	Soil pH Meter	2
13.	Moisture Meter	2
14.	Rain Gauge	2
15.	Thermometer	2
16.	Hygrometer	2
17.	Weighing Scale (Platform)	2
18.	Electronic Balance	2

PERSONAL PROTECTIVE EQUIPMENT (PPE)

S/N	Equipment	Minimum Quantity
1.	Safety Boots	20 pairs
2.	Coveralls	20
3.	Hand Gloves	40 pairs
4.	Chemical Resistant Gloves	20 pairs
5.	Face Masks	40
6.	Respirators	10
7.	Safety Goggles	20
8.	Face Shields	10
9.	Hard Hats	20
10.	Reflective Jackets	20
11.	First Aid Boxes	3
12.	Fire Extinguishers	6
13.	Eye Wash Bottle	2

These are directly aligned with the Occupational Health and Safety competencies requiring hazard identification, PPE use, and emergency response.

EXTENSION COMMUNICATION MATERIALS

S/N	Equipment	Minimum Quantity
1.	Demonstration Flip Charts	10
2.	Agricultural Posters	30
3.	Crop Pest/Disease Charts	20
4.	Livestock Disease Charts	20
5.	Extension Manuals	20
6.	Farmer Record Books	30
7.	Attendance Registers	10
8.	Extension Reporting Forms	200
9.	Marker Pens	5 boxes
10.	Portable Display Boards	4

These support the communication and farmer training units.

MONITORING AND DATA COLLECTION EQUIPMENT

S/N	Equipment	Minimum Quantity
1.	Clipboards	20
2.	Measuring Clipboard Folders	20
3.	Farm Survey Questionnaires	200
4.	Tablets/Data Collection Devices	10
5.	GPS Devices	2
6.	External Hard Drive	2
7.	USB Flash Drives	20
8.	Internet Modem	2

.DEMONSTRATION LIVESTOCK UNITS (MINIMUM)

S/N	Enterprise	Minimum Quantity
1.	Poultry Demonstration Unit	100 birds
2.	Rabbit Unit	10 rabbits
3.	Goat Unit	5 goats
4.	Fish Pond	1 pond (500–1,000 fish)
5.	Snail Pen	50 snails

DEMONSTRATION CROP PLOTS

S/N	Enterprise	Minimum Size
1.	Maize Plot	0.25 ha
2.	Vegetable Plot	0.10 ha
3.	Cassava Plot	0.25 ha
4.	Rice Plot	0.25 ha
5.	Tree Nursery	200 seedlings
6.	Compost Site	1 unit
7.	Agricultural Inputs	10
8.	PPE & Safety	11
9.	Extension Communication	9
10.	Data Collection Equipment	8

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