



***NATIONAL SKILLS QUALIFICATIONS/ NATIONAL  
OCCUPATIONAL STANDARD***

***(NSQ/NOS)***

***CEREAL CROP PRODUCTION***

***LEVEL 1***

***SEPTEMBER 2025***

## **NATIONAL SKILLS QUALIFICATION**

### **NSQ LEVEL 1- CEREAL CROP PRODUCTION**

#### **GENERAL INFORMATION OVERVIEW**

This qualification is designed for individuals who are interested in pursuing a career in **CEREAL CROP PRODUCTION** for the award of National Skills Qualifications (NSQ)/National Occupational Standards (NOS). It is aimed at producing technicians in **CEREAL CROP PRODUCTION** NSQ Level 1 with the competencies necessary to support in **CEREAL CROP PRODUCTION**

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

#### **QUALIFICATION PURPOSE**

This qualification is targeted at developing competence in call centre operations. 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 (14) years of age
- Be medically fit
- Be mentally fit (Mental alertness)
- Have achieved all the Safety and Health mandatory units in the qualification
- Be a Nigerian citizen
- Other nationals (International passport, residence permit)
- Be vetted

#### **QUALIFICATION OBJECTIVES**

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

1. Understand the importance of Communication and Teamwork at the workplace.
2. Know basic safety and health requirements in a workplace
3. Demonstrate an understanding of site selection for Cereal crops.

4. Carry out land preparation for Cereal crops.
5. Understand the basic concepts and principles involves in nursery and planting practices in Cereal crops.
6. Understand the fundamentals of Cereal crop management practices.
7. Demonstrate understanding of skills involved in harvesting Cereal crops.
8. Exhibit understanding of handling, processing and storage
9. Demonstrate understanding of Transportation and marketing of Cereal crops/ products.

**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)

*(This depends on the Trade Areas to be assessed)*

**NSQ LEVEL 1- CEREAL CROP PRODUCTION****Mandatory Units**

<b>S/No /Unit No</b>	<b>Reference Number</b>	<b>NOS Title</b>	<b>Credit Value</b>	<b>Guided Learning Hours</b>	<b>Remark</b>
1	AGR/CRP/C/001/L1	Occupational health and safety	2	20	Level 1
2	AGR/CRP/C/002/L1	Communication and Interpersonal Skills	2	20	Level 1
3	AGR/CRP/C/003/L1	Team work	4	40	Level 1
4	AGR/CRP/C/004/L1	Site selection	4	40	Level 1
TOTAL			12	120	

**Optional Units**

<b>S/No /Unit No</b>	<b>Reference Number</b>	<b>NOS Title</b>	<b>Credit Value</b>	<b>Guided Learning Hours</b>	<b>Remark</b>
5	AGR/CRP/C/005/L1	Land Preparation for Cereal crop production	3	30	Level 1
6	AGR/CRP/C/006/L1	Nursery and planting practices	3	30	Level 1
7	AGR/CRP/C/007/L1	Crop management practices	3	30	Level 1
8	AGR/CRP/C/008/L1	Cereal Harvesting and harvesting procedures	3	30	Level 1
9	AGR/CRP/C/009/L1	Processing and storage of Cereal crop product	3	30	Level 1
10	AGR/CRP/C/0010/L1	Transportation and marketing of Cereal crops	3	30	Level 1
TOTAL			18	180	

## GENERAL GUIDE

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

**Unit reference number:** AGR/CRP/C/001/L1

**NSQ level:** 1

**Credit value:** 2

**Guided learning hours:** 20 hours

**Unit Purpose:** This unit is designed to equip learner with knowledge and skills in learning about workplace safety, correct use of signs and symbols, identifying and reducing risks of hazards in the work environment.

**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. Questioning
2. Direct Observation of the learner's performance
3. Recognition of Prior Learning and experience
4. Authentic statement/Witness testimony
5. Personal statement/reflective account.
6. Product of the learners work.
7. Assignment

*(This depends on the Trade Areas to be assessed)*

## Unit 001: Occupational Health and Safety

LEARNING OBJECTIVE (LO)		PERFORMANCE CRITERIA (PC)	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
<b>LO 1:</b>  <i>Know safe working practices and Instructions</i>	1.1	Explain safe work practice and instructions		
	1.2	Identify safety signs and symbol		
	1.3	Use signs and symbols correctly		
	1.4	Carry out safe work practices and instructions		
	1.5	Work in accordance with health and safety best practices		
<b>LO 2:</b>  <i>Know safety hazards and risks</i>	2.1	Identify work environment hazards		
	2.2	State methods to reduce the risk of these hazards		
	2.3	Identify Personal Protection Equipment (PPE)		
	2.3	State methods to resolve an occurring environmental hazard		
<b>LO 3:</b>  <i>Know how to take appropriate actions during accident/injury</i>	3.1	Identify basic first aid equipment		
	3.2	State how to maintain hygienic, safe and secure workplace.		
	3.3	State the uses of safety equipment in a workplace as required.		
<b>LO 4:</b>  <i>Know safe work habit and clean work environment</i>	4.1	Use safe access and exit routes in the work environment		
	4.2	Dispose all wastes appropriately to designated waste facilities		
	4.3	Explain methods of resource conservation (e.g. Water, Energy etc)		

**Learners Signature:**

**Date:**

Assessors Signature:

Date:

IQAM Signature (if sampled)

Date:

**EQAM Signature (if sampled)**

**Date:**

**UNIT 002: COMMUNICATION AND INTERPERSONAL SKILLS**

**Unit reference number:** AGR/CRP/C/002/L1

**NSQ level:** 2

**Credit value:** 2

**Guided learning hours:** 20 hours

**Unit Purpose:** This unit is designed to equip learner with knowledge and skills required to demonstrate good communication and interpersonal skills. It Involves the ability to read and understand documented instructions and the ability to know how to communicate respectfully when in a bad mood or under pressure;

**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. Questioning
2. Direct Observation of the learner's performance
3. Recognition of Prior Learning and experience
4. Authentic statement/Witness testimony
5. Personal statement/reflective account.
6. Product of the learners work.
7. Assignment

*(This depends on the Trade Areas to be assessed)*

### Unit 002: Communications and Interpersonal Skill

LEARNING OBJECTIVE (LO)		PERFORMANCE CRITERIA (PC)	Evidence Type	Evidence Ref.	Evidence Page No.
The learner will:		The learner can:			
<b>LO 1:</b>  <i>Know the importance of good communication</i>	1.1	State reasons why good communication is important			
	1.2	List ways to communicate effectively			
	1.3	Exhibit patience and a mild demeanour while communicating with colleagues, managers and clients			
	1.4	Speak in a respectful manner			
	1.5	Use respectful body language			
	1.6	Interpret verbal communication accurately			
<b>LO 2:</b>  <i>Know how to document and follow documented instructions</i>	2.1	Read and accurately follow steps in an instruction manual pertaining to any of the units in this course			
	2.2	Document information in the workplace (Eg: Receipt, Invoices, Reports)			
	2.3	Document Errors, solution, processes and reports			
<b>LO3:</b>  <i>Know interpersonal relationship</i>	3.1	Demonstrate polite greetings			
	3.2	Recognize cultural and social differences			
	3.3	Apply positive body language in interactions.			

**Learners Signature:**

**Date:**

Assessors Signature:

Date:

IQAM Signature (if sampled)

Date:

**EQAM Signature (if sampled)**

**Date:**

**UNIT 003:****TEAMWORK****UNIT REFERENCE NUMBER:**

AGR/CRP/C/003/L1

**NSQ Level:**

1

**Credit Value:**

2

**Guided Learning Hour:**

20 hours

**Unit Purpose:** This unit is designed to provide learners with the knowledge and skills required to develop team spirit and positive working relationship with co-workers.

**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: Teamwork

LEARNING OBJECTIVE (LO)		PERFORMANCE CRITERIA (PC)	Evidence Type		Evidence Ref. Page No.
The learner will:		The learner can:			
<b>LO 1</b>	1.1	Define teamwork			
<b>Know good working relationship with co-workers</b>	1.2	List the importance of teamwork			
	1.3	List the qualities of a team player			
<b>LO 2</b>	2.1	List own roles and responsibilities within a team.			
<b>Know responsibility within the team</b>	2.2	Perform tasks in line with the team rules and regulations.			
	2.3	Work well in a group.			
<b>LO 3</b>	3.1	Explain code of conduct in work environment			
<b>Know how to comply with rule of organization</b>	3.2	Use organizational code of practice			
	3.3	Work in line with organizational standard.			

Learner's Signature:	Date:
Assessor's Signature:	Date:
IQAM Signature (if sampled):	Date:
EQAM Signature (if sampled):	Date:

**UNIT 004:** **SITE SELECTION**

**Unit reference number:** AGR/CRP/C/004/L1

**NSQ level:** 1

**Credit value:** 4

**Guided learning hours:** 40 hours

**Unit Purpose:** This unit is designed to equip learners with knowledge and skills in selecting a suitable site for cereal crops production.

**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. Questioning
2. Direct Observation of the learner's performance
3. Recognition of Prior Learning and experience
4. Authentic statement/Witness testimony
5. Personal statement/reflective account.
6. Assignment

*(This depends on the Trade Areas to be assessed)*

**Unit 004: Site Selection**

LEARNING OBJECTIVE (LO)		PERFORMANCE CRITERIA (PC)	Evidence Type		Evidence Ref. Page No.
<b>The learner will:</b>		<b>The learner can:</b>			
<b>LO 1:</b> <i>Know cereal crop</i>	1.1	Define Cereal crop			
	1.2	List the types of Cereal crops			
	1.3	Identify the types of Cereal crops			
	1.4	Explain nutritional benefits of Cereal crop			
<b>Lo 2</b> <i>Know soil and soil properties</i>	2.1	Define soil			
	2.2	List types of soil			
	2.3	Define types of soil			
	2.4	Identify types of soil			
	2.5	Explain differences in the soil types			
	2.6	Describe the physical characteristics of the soil types			
<b>LO 3</b> <i>Know soil and climatic requirements for cereal crops</i>	3.1	Define vegetation area			
	3.2	Define rich vegetation area			
	3.3	Locate a suitable well drained fertile soil			
	3.4	Identify areas with good rainfall pattern			
	3.5	List advantage of good rainfall pattern			
	3.6	Identify areas with abundant sunshine			

**Learners Signature:**

**Date:**

Assessors Signature:

Date:

IQAM Signature (if sampled)

Date:

**EQAM Signature (if sampled)**

**Date:**

**UNIT 005: LAND PREPARATION FOR CEREAL CROP PRODUCTION**

**Unit Reference Number:** AGR/CRP/C/005/L1

**NOS level:** 1

**Credit value:** 3

**Guided learning hours:** 30 hours

**Unit Purpose:** This unit is designed to equip learner with knowledge and skills of land preparation for cereal crops production

**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. Questioning
2. Direct Observation of the learner's performance
3. Recognition of Prior Learning and experience
4. Authentic statement/Witness testimony
5. Personal statement/reflective account.
6. Product of the learners work.
7. Assignment

*(This depends on the Trade Areas to be assessed)*

**Unit 005: Land Preparation for Cereal Crop Production**

LEARNING OBJECTIVE (LO)		PERFORMANCE CRITERIA (PC)	Evidence Type		Evidence Ref. Page No.
The learner will:		The learner can:			
<b>LO 1</b> <i>Know land preparation</i>	1.1	Define land preparation			
	1.2	Explain land preparation methods			
	1.3	Carry out land clearing			
	1.4	List equipment used in land preparation			
	1.5	Demonstrate handling of land preparation debris			
<b>LO 2</b> <i>Know tillage operations</i>	2.1	Define land tillage			
	2.2	Identify a suitable location for nursery			
	2.3	Erect the nursery close to a source of water			
	2.4	Prepare a nursery bed for nursery practice			
	2.5	Construct shed for the nursery			
	2.6	Plough the field			
	2.7	Harrow the field			
	2.8	Ridge the field			
<b>LO3</b> <i>Know basic farm tools.</i>	3.1	Define farm tools			
	3.2	List types of farm tools			
	3.3	Identify various simple farm tools used for land preparation			
	3.4	Differentiate between the simple farm tools used for land preparation.			
	3.5	Carry out simple farm tools maintenance			

**Learners Signature:**

**Date:**

Assessors Signature:

Date:

IQAM Signature (if sampled)

Date:

EQAM Signature (if sampled)

Date:

**UNIT 006: NURSERY AND PLANTING PRACTICES**

**Unit reference number:** AGR/CRP/C/006/L1

**NOS level:** 1

**Credit value:** 3

**Guided learning hours:** 30 hours

**Unit Purpose:** This unit is designed to equip learner with knowledge and skills of planting seeds in the nursery and on the field

**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. Questioning
2. Direct Observation of the learner's performance
3. Recognition of Prior Learning and experience
4. Authentic statement/Witness testimony
5. Personal statement/reflective account.
6. Product of the learners work.
7. Assignment

*(This depends on the Trade Areas to be assessed)*

### Unit 006: Nursery and Planting Practices

LEARNING OBJECTIVE (LO)		PERFORMANCE CRITERIA (PC)	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
<b>LO 1</b> <i>Know planting operation</i>	1.1	Define nursery		
	1.2	Define nursery bed		
	1.3	Dress the seeds		
	1.4	Measure and mark the spacing for individual crops in the nursery and on the field		
	1.5	Sow seed in the nursery		
	1.6	Transplant		
	1.7	Transplant nursed seeds on the field		
	1.8	Use simple irrigation tools		
<b>LO 2</b> <i>Know fertilizer and herbicides application</i>	2.1	Define fertilizer		
	2.2	List different types of fertilizer		
	2.3	Identify different types of fertilizer		
	2.4	Explain methods of fertilizer application		
	2.5	Define herbicide		
	2.6	List different types of herbicide		
	2.7	Identify different types of herbicide		
	2.8	Explain methods of herbicide application		
<b>LO 3</b> <i>Know irrigation practices</i>	3.1	Define irrigation		
	3.2	State types of irrigation		
	3.3	Explain simple irrigation procedure		
	3.4	List simple irrigation tools		

Learners Signature:

Date:

Assessors Signature:

Date:

IQAM Signature (if sampled)

Date:

**EQAM Signature (if sampled)**

**Date:**

NATIONAL BOARD FOR TECHNICAL EDUCATION

**UNIT 007: CROP MANAGEMENT PRACTICES**

**Unit reference number:** AGR/CRP/C/007/L1

**NOS level:** 1

**Credit value:** 3

**Guided learning hours:** 30 hours

**Unit Purpose:** This unit is designed to equip learner with knowledge and skills of crop management 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. Questioning
2. Direct Observation of the learner's performance
3. Recognition of Prior Learning and experience
4. Authentic statement/Witness testimony
5. Personal statement/reflective account.
6. Product of the learners work.
7. Assignment

*(This depends on the Trade Areas to be assessed)*

### Unit 007: Crop Management Practices

LEARNING OBJECTIVE (LO)		PERFORMANCE CRITERIA (PC)	Evidence Type		Evidence Ref. Page No.
<b>The learner will:</b>		<b>The learner can:</b>			
<b>LO 1</b> <i>Know seeds</i>	1.1	Define seeds			
	1.2	List different varieties of seeds			
	1.3	State advantages of some varieties (eg. earliness, resistance to biotic and abiotic stress etc.)			
	1.4	Define thinning			
	1.5	State advantages of thinning			
	1.6	State disadvantages of thinning			
	1.7	Carryout thinning in a field			
<b>LO 2</b> <i>Know fertilizer and herbicides application</i>	2.1	Explain fertilizer application			
	2.2	Describe application of fertilizer on the field			
	2.3	List different methods of fertilizer application			
	2.4	Observe herbicide application			
	2.5	Describe application of herbicide on the field			
	2.6	List different methods of herbicide application			
<b>LO 3</b> <i>Know pest and disease control</i>	3.1	Define pest			
	3.2	Identify field pests			
	3.3	Define pest control			
	3.4	Identify appropriate measures in prevention and control of pest			
	3.5	Define Disease			
	3.6	Define disease control			
	3.7	State methods of disease control			
	3.8	Identify appropriate measures in prevention and control of disease			
	3.9	Define weed			
	3.10	Define weed control			
	3.11	Identify appropriate measures in prevention and control of weed			



**UNIT 008: CEREAL HARVESTING AND HARVESTING PROCEDURES**

**Unit reference number:** AGR/CRP/C/008/L1

**NOS level:** 1

**Credit value:** 3

**Guided learning hours:** 30 hours

**Unit Purpose:** This unit is designed to equip learner with knowledge and skills in cereal harvesting

**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. Questioning
2. Direct Observation of the learner's performance
3. Recognition of Prior Learning and experience
4. Authentic statement/Witness testimony
5. Personal statement/reflective account.
6. Product of the learners work.
7. Assignment

*(This depends on the Trade Areas to be assessed)*

### Unit 008: Cereal Harvesting and Harvesting Procedures

LEARNING OBJECTIVE (LO)		PERFORMANCE CRITERIA (PC)	Evidence Type		Evidence Ref. Page No.
The learner will:		The learner can:			
<b>LO1</b> <i>Know Maturity time of cereal crops</i>	1.1	Define Cereal crop maturity			
	1.2	Identify matured Cereal crops			
	1.3	State the maturity period of Cereal crops			
	1.4	Distinguish between mature and immature Cereal crops			
<b>LO 2</b> <i>Know harvesting and harvesting procedures</i>	2.1	Define harvesting			
	2.2	List types of harvesting methods			
	2.3	Identify simple tools used in harvesting cereal crops			
	2.4	Operate simple harvesting tools			
	2.5	Explain threshing of cereal crop			
	2.6	Carryout bagging of harvested produce			
<b>LO 3</b> <i>Know post-harvest loss</i>	3.1	Define post-harvest loss			
	3.2	State causes of post-harvest loss			
	3.3	Explain measures of preventing post-harvest loss			
	3.4	Explain impact of post-harvest loss			

**Learners Signature:**

**Date:**

Assessors Signature:

Date:

IQAM Signature (if sampled)

Date:

**EQAM Signature (if sampled)**

**Date:**

## **UNIT 009:           PROCESSING AND STORAGE OF CEREAL CROP PRODUCT**

**Unit reference number:**     AGR/CRP/C/009/L1

**NOS level:**                               1

**Credit value:**                           3

**Guided learning hours:**           30 hours

**Unit Purpose:** This unit is designed to equip learner with knowledge and skills of processing and storage of Cereal Crops and products

**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. Questioning
2. Direct Observation of the learner's performance
3. Recognition of Prior Learning and experience
4. Authentic statement/Witness testimony
5. Personal statement/reflective account.
6. Product of the learners' work.
7. Assignment

*(This depends on the Trade Areas to be assessed)*

### Unit 009: Processing and Storage of Cereal Crop Product

LEARNING OBJECTIVE (LO)		PERFORMANCE CRITERIA (PC)	Evidence Type		Evidence Ref. Page No.
<b>The learner will:</b>		<b>The learner can:</b>			
LO1 <i>Know Cereals handling and processing</i>	1.1	Define cereal processing			
	1.2	Describe simple cereal processing procedures			
	1.3	Define cereal handling			
	1.4	Differentiate between product of processed cereal			
	1.5	Describe bagging of Cereal products			
LO 2: <i>Know storage of processed cereal products</i>	2.1	Define storage			
	2.2	Describe types of storage techniques			
	2.3	Explain traditional storage technique			
	2.4	Describe pallet arrangement in storage facility			
LO 3: <i>Know packaging</i>	3.1	Define packaging			
	3.2	Define packaging materials			
	3.3	Define cereal packaging materials			
	3.4	List types of cereal packaging materials			
	3.5	Identify bag sizes and weights			
	3.6	Identify ideal weight methods			

**Learners Signature:**

**Date:**

Assessors Signature:

Date:

IQAM Signature (if sampled)

Date:

**EQAM Signature (if sampled)**

**Date:**

**UNIT 010: TRANSPORT AND MARKETING OF CEREAL CROPS**

**Unit reference number:** AGR/CRP/C/010/L1

**NOS level:** 1

**Credit value:** 3

**Guided learning hours:** 30 hours

**Unit Purpose:** This unit is designed to equip learner with knowledge and skills of transportation and marketing of Cereal crops

**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:***

The unit requires the various assessment materials below;

1. Questioning
2. Direct Observation of the learner's performance
3. Recognition of Prior Learning and experience
4. Authentic statement/Witness testimony
5. Personal statement/reflective account.
6. Product of the learners' work.
7. Assignment

*(This depends on the Trade Areas to be assessed)*

## Unit 10: TRANSPORT AND MARKETING OF CEREAL CROPS

LEARNING OBJECTIVE (LO)		PERFORMANCE CRITERIA (PC)	Evidence Type	Evidence Ref. Page No.
<b>The learner will:</b>		<b>The learner can:</b>		
<b>LO1</b> <i>Know the transportation of Cereal crops</i>	1.1	Identify appropriate means of transporting Cereal crops		
	1.2	Choose the right means of transporting Cereal crops.		
	1.3	Perform loading of Cereal crops		
	1.4	Perform offloading of Cereal crops.		
<b>LO 2</b> <i>Know grading/standardization of cereal crops</i>	2.1	Sort Cereal crops		
	2.2	Weigh Cereal crops		
	2.3	Prepare Cereal crops for marketing.		
<b>LO 3</b> <i>Know marketing of Cereal crops</i>	3.1	Define cereal market		
	3.2	Identify cereal aggregators		
	3.3	Identify cereal middle men		
	3.4	Explain the right time to market cereal crops		
	3.5	Identify market for the products		

<b>Learners Signature:</b>	<b>Date:</b>
Assessors Signature:	Date:
IQAM Signature (if sampled)	Date:
<b>EQAM Signature (if sampled)</b>	<b>Date:</b>



***NATIONAL SKILLS QUALIFICATIONS/ NATIONAL  
OCCUPATIONAL STANDARD***

***(NSQ/NOS)***

***CEREAL CROP PRODUCTION***

***LEVEL 2***

***SEPTEMBER 2025***

# **NATIONAL SKILLS QUALIFICATION**

## **NSQ LEVEL 2- CEREAL CROP PRODUCTION**

### **GENERAL INFORMATION OVERVIEW**

This qualification is designed for individuals who are interested in pursuing a career in **CEREAL CROP PRODUCTION** for the award of National Skills Qualifications (NSQ)/National Occupational Standards (NOS). It is aimed at producing technicians in **CEREAL CROP PRODUCTION** NSQ Level 1-with the competencies necessary to support in **CEREAL CROP PRODUCTION**

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

### **QUALIFICATION PURPOSE**

This qualification is aimed at developing competence in Cereal Crop Production for employment, food security and sufficiency

### **QUALIFICATION REQUIREMENTS**

All Candidates must:

- a. Be at least (15) years of age
- b. Be medically fit
- c. Be mentally fit (Mental alertness)
- d. Have achieved all the Safety and Health mandatory units in the qualification
- e. Be a Nigerian citizen
- f. Other nationals (International passport, residence permit)
- g. Be vetted

### **QUALIFICATION OBJECTIVES**

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

1. Demonstrate an understanding of site selection for Cereal crops.
2. Carry out land preparation for Cereal crops.
3. Understand the basic concepts and principles involves in nursery and planting practices in Cereal crops.
4. Understand the fundamentals of Cereal crop management practices.
5. Demonstrate understanding of skills involved in harvesting Cereal crops.
6. Exhibit understanding of handling, processing, storage and marketing of Cereal crops/ products.

#### **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)

*(This depends on the Trade Areas to be assessed)*

## NSQ LEVEL 2- CEREAL CROP PRODUCTION

### Mandatory Units

S/No /Unit No	Reference Number	NOS Title	Credit Value	Guided Learning Hours
1	AGR/CRP/001/L2	Work safely on crop farm	3	30
2	AGR/CRP/002/L2	Communicate effectively in crop farm	3	30
3	AGR/CRP/003/L2	Teamwork	2	20
4	AGR/CRP/004/L2	Site selection II	4	40
TOTAL			12	120

### Optional Units

S/No /Unit No	Reference Number	NOS Title	Credit Value	Guided Learning Hours
5	AGR/CRP/005/L2	Land preparation for cereal crop production	4	40
6	AGR/CRP/006/L2	Nursery and planting practices II	4	40
7	AGR/CRP/007/L2	Crop management practices II	4	40
8	AGR/CRP/008/L2	Cereal harvesting and harvesting procedures II	4	40
9	AGR/CRP/009/L2	Processing and storage of cereal crop products II	4	40
10	AGR/CRP/010/L2	Transport and marketing of cereal crop II	4	40
TOTAL			24	240

## GENERAL GUIDE

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

**Unit Reference Number:** AGR/CRP/001/L2

**NSQ Level:** 2

**Credit Value:** 3

**Guided Learning Hours:** 30 hours

**Unit Purpose:** This unit is designed to equip learner with knowledge and skills on the adherence to health and safety precaution and avoidance of environmental hazards associated with working on a crop farm.

**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)
  1. Work Product (WP)
  2. Recognition of Prior Learning (RPL)
  3. Other methods (O t), assignments, case study, essay, project, etc.

*(This depends on the Trade Areas to be assessed)*

### Unit 001: Work safely on crop farm

LEARNING OBJECTIVE (LO)		PERFORMANCE CRITERIA (PC)	Evidence Type	Evidence Ref. Page No.
<b>The learner will:</b>		<b>The learner can:</b>		
<b>LO 1:</b>  <i>Know how to work safely on a crop farm</i>	1.1	Explain safe work practices as obtained along the cereal production value chain		
	1.2	Identify safety signs and symbols on cereal production farms		
	1.3	Provide correctly, the safety signs and symbols		
	1.4	Demonstrate safe work practices and instructions on cereal farms		
	1.5	Operate in accordance with health and safety practices		
<b>LO 2:</b>  <i>Know how to comply with safety standards on cereal farm.</i>	2.1	Identify work environment hazards		
	2.2	State types of hazards and risks associated with cereal		
	2.3	State safety standards on cereal farms and processing facilities		
	2.4	Use safety tools, materials and equipment in cereal processing facilities		
<b>LO 3:</b>  <i>Know Personal Protective Equipment (PPE) in crop processing facilities</i>	3.1	Identify the types of PPEs required for crop processing plants		
	3.2	Select appropriate PPE for cereal processing plants		
	3.3	Demonstrate the use of PPE		
	3.4	Maintain PPE before or after use		
<b>LO 4:</b>  <i>Know how to respond to accidents/injury in crop processing plants</i>	4.1	Locate first aid facility		
	4.2	Use basic dressing materials		
	4.3	Respond to supervisor given instructions		
	4.4	Report incidences of accident/injury to the appropriate supervisor		
<b>LO 5:</b>  <i>Know safe work habit and clean work environment in cereal processing plants</i>	5.1	Use safe access and exit routes in the work environment		
	5.2	Identify appropriate working tools, materials and equipment		
	5.3	Use tools and equipment safely in accordance with the supervisor's instructions		

LEARNING OBJECTIVE (LO)		PERFORMANCE CRITERIA (PC)	Evidence Type	Evidence Ref. Page No.
<b>The learner will:</b>		<b>The learner can:</b>		
	5.4	Return all tools, equipment and unused materials for appropriate storage		
	5.5	Carry out general housekeeping of work environment		
	5.6	Dispose all wastes appropriately to designated waste facilities		
<b>LO 6:</b> <i>Know how to comply with standards of lifting, loading/offloading and stacking of materials in cereal processing facilities</i>	6.1	Identify lifting and stacking techniques		
	6.2	Demonstrate lifting techniques in loading and offloading of materials without mechanical assistance		
	6.3	Demonstrate correct lifting and loading techniques with mechanical assistance		
	6.4	Stack materials correctly		

<b>Learners Signature:</b>	<b>Date:</b>
<b>Assessors Signature:</b>	<b>Date:</b>
<b>IQAM Signature (if sampled)</b>	<b>Date:</b>
<b>EQAM Signature (if sampled)</b>	<b>Date:</b>

**UNIT 002: COMMUNICATE EFFECTIVELY ON CROP FARMS**

**Unit Reference Number:** AGR/CRP/002/L2

**NSQ Level:** 2

**Credit Value:** 3

**Guided Learning Hours:** 30 hours

**Unit Purpose:** This unit is designed to equip learner with knowledge and skills in effective communication in work environment

**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. Other methods (Other), Assignments, Case Study, Essay, Project, etc.

*(This depends on the Trade Areas to be assessed)*

### Unit 002: Communicate effectively on crop farm

LEARNING OBJECTIVE (LO) The learner will:		PERFORMANCE CRITERIA (PC) The learner can:	Evidence Type	Evidence Ref. Page No.
<b>LO 1:</b>  <i>Know how to use of a non-complex communication system in a work environment</i>	1.1	Use a verbal means to pass on necessary information		
	1.2	Use non-verbal means to convey necessary information e.g. body language, signs		
	1.3	Interpret symbols and signs appropriately		
<b>LO 2:</b>  <i>Know how to source for information on a work environment</i>	2.1	Identify the source of information in the work environment		
	2.2	Relate effectively with the source of information		
	2.3	Use the different information flow systems in a work environment		
	2.4	Use information gathered to avoid challenges in a work situation		
	2.5	Report findings appropriately in accordance with laid down procedures in the work environment i.e. Cards, Flip Chart		
	2.6	Use simple communication gadget like mobile phones and table phones		
<b>LO 3:</b>  <i>Know various means of communication in a work environment</i>	3.1	Locate the various communication equipment in the work environment		
	3.2	Use effectively the various communication equipment in a work environment		
	3.3	Pass information effectively to the right personnel		
	3.4	Obey instructions in line with ethics of the work environment		

Learners Signature:

Date:

Assessors Signature:

Date:

IQAM Signature (if sampled):

Date:

EQAM Signature (if sampled)

Date:

**UNIT 003:**

**TEAMWORK**

**Unit Reference Number:**

AGR/CRP/003/L2

**NSQ Level:**

2

**Credit Value:**

2

**Guided Learning Hours:**

20 hours

**Unit Purpose:** This unit is designed to equip the learner with knowledge and skills required to develop team spirit and positive working relationship with colleagues.

**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. Observation
2. Work Product
3. Professional Discussion
4. Question and Answer

*(This depends on the Trade Areas to be assessed)*

### Unit 003: Teamwork

LEARNING OBJECTIVE (LO)		PERFORMANCE CRITERIA (PC)	Evidence Type	Evidence Ref. Page No.
<b>The learner will:</b>		<b>The learner can:</b>		
LO 1 <i>Know positive working relationship with colleagues</i>	1.1	Identify the need for developing positive working relationship with colleagues		
	1.2	Recognize the importance of relating with other people in a way that makes them feel valued and respected		
	1.3	Assist team members when required.		
	1.4	Report to the appropriate personnel when request for assistance fall outside area of responsibility.		
	1.5	Communicate information to colleagues about individual work that may affect team work.		
LO 2 <i>Know how to take responsibility within the team</i>	2.1	Recognize own role and responsibilities within a team		
	2.2	Perform individual tasks in line with the team's rules and regulations.		
	2.3	Participate effectively in teamwork.		
LO.3 <i>Know how to comply with policy of organisation</i>	3.1	Explain organizational code of conduct		
	3.2	Work in line with organizational standard		
	3.3	Use organizational code of practice		
	3.4	Adhere strictly to instructions given by the Management		

<b>Learners Signature:</b>	<b>Date</b>
Assessors Signature:	Date:
IQAM Signature (if sampled).	Date:
EQAM Signature (if sampled).	Date:

**UNIT 004:****SITE SELECTION II****Unit reference number:**

AGR/CRP/004/L2

**NSQ level:**

2

**Credit value:**

4

**Guided learning hours:**

40 hours

**Unit Purpose:** This unit is designed to equip learners with knowledge and skills in selecting suitable site for cereal crops

**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. Questioning
2. Direct Observation of the learner's performance
3. Recognition of Prior Learning and experience
4. Authentic statement/Witness testimony
5. Personal statement/reflective account.
6. Product of the learners work.
7. Assignment

*(This depends on the Trade Areas to be assessed)*

### Unit 004: Site Selection II

LEARNING OBJECTIVE (LO)		PERFORMANCE CRITERIA (PC)	Evidence Type	Evidence Ref. Page No.
<b>The learner will:</b>		<b>The learner can:</b>		
<b>LO 1:</b> <i>Know cereal crop</i>	1.1	Discuss Cereal crop		
	1.2	List the types of Cereal crops		
	1.3	Differentiate between the various types of Cereal crop		
	1.4	State the major Cereal crops		
	1.5	Identify the types of Cereal crops		
	1.6	State the characteristics of Cereal crop		
	1.7	Describe nutritional benefits of Cereal crop		
	1.8	Discuss the planting season of Cereal crop		
	1.9	Explain the economic importance of Cereal crop		
<b>LO 2</b> <i>Know soil and soil properties</i>	2.1	Define soil		
	2.2	List types of soil and their properties		
	2.3	Categorize the properties of soil		
	2.4	Explain soil pH		
	2.5	Identify types of soil		
	2.6	Explain differences in the soil types		
	2.7	Describe the physical characteristics of the soil types		
	2.8	Explain soil topography		
	2.9	Describe the effect of soil topography in cereal crop		
<b>LO 3</b> <i>Know Soil and Climatic requirements for Cereal crops</i>	3.1	Define vegetation area		
	3.2	Describe rich vegetation area		
	3.3	Locate a suitable well drained fertile soil		
	3.4	Identify general soil requirements for cereal crop		



**UNIT 005: LAND PREPARATION FOR CEREAL CROP PRODUCTION**

**Unit Reference Number:** AGR/CRP/005/L2

**NOS level:** 2

**Credit value:** 3

**Guided learning hours:** 30 hours

**Unit Purpose:** This unit is designed to equip learner with knowledge and skills of land preparation for Cereal crops production

**Unit assessment requirements/evidence requirements**

The unit requires the various assessment materials below;

1. Questioning
2. Direct Observation of the learner's performance
3. Recognition of Prior Learning and experience
4. Authentic statement/Witness testimony
5. Personal statement/reflective account.
6. Product of the learners work.
7. Assignment

*(This depends on the Trade Areas to be assessed)*

## Unit 005: Land Preparation for Cereal Crop Production

LEARNING OBJECTIVE (LO)		PERFORMANCE CRITERIA (PC)	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
<b>LO 1</b> <i>Know land preparation</i>	1.1	Define land preparation		
	1.2	State Merits of land preparation		
	1.3	State Demerits of land preparation		
	1.4	Explain land preparation methods		
	1.5	Carryout manual land preparation		
	1.6	Identify equipment used in land preparation		
	1.7	Demonstrate handling of land preparation debris		
<b>LO 2</b> <i>Know Tillage and nursery operations</i>	2.1	Describe land tillage		
	2.2	Explain types of land tillage		
	2.3	State the importance of land tillage		
	2.4	Prepare a suitable location for nursery		
	2.5	Erect the nursery close to a source of water		
	2.6	Prepare a nursery bed for nursery practice		
	2.7	Construct shed for the nursery		
	2.8	Describe the methods of ploughing		
	2.9	Describe the methods of harrowing		
	2.10	Describe the methods of ridging		
<b>LO3</b> <i>Know farm tools and implements</i>	3.1	Describe farm tools		
	3.2	List types of farm tools		
	3.3	Describe the roles of farm tools in cereal crop production		
	3.4	Identify various simple farm tools used for land preparation		

**Date:**

**UNIT 006:****NURSERY AND PLANTING PRACTICES II**

**Unit reference number:** AGR/CRP/006/L2

**NOS level:** 2

**Credit value:** 3

**Guided learning hours:** 30 hours

**Unit Purpose:** This unit is designed to equip learner with knowledge and skills required to demonstrate understanding of planting seeds in the nursery and on the field, applying pre-emergence herbicide, basal fertilizer, irrigation when necessary and appropriate planting methods for cereal crop

**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. Questioning
2. Direct Observation of the learner's performance
3. Recognition of Prior Learning and experience
4. Authentic statement/Witness testimony
5. Personal statement/reflective account.
6. Product of the learners work.
7. Assignment

*(This depends on the Trade Areas to be assessed)*

### Unit 006: Nursery and Planting Practices II

LEARNING OBJECTIVE (LO)		PERFORMANCE CRITERIA (PC)	Evidence Type	Evidence Ref. Page No.
<b>The learner will:</b>		<b>The learner can:</b>		
<b>LO 1</b> <i>Know planting and nursery operation</i>	1.1	Define nursery		
	1.2	Define nursery bed		
	1.3	Describe the condition for nursery bed establishment		
	1.4	Explain seed quality		
	1.5	State the factors for seed quality		
	1.6	Describe planting depth		
	1.7	Describe planting spacing		
	1.8	Describe Planting time		
<b>LO 2</b> <i>Know fertilizer and herbicides</i>	2.1	Define post planting care		
	2.2	Describe methods of caring for plants		
	2.3	Identify types of fertilizer		
	2.4	Define organic and inorganic fertilizer		
	2.5	Differentiate between organic and inorganic fertilizer		
	2.6	Explain methods of fertilizer application		
	2.7	Define herbicide		
	2.8	Define selective herbicide		
	2.9	Define non selective herbicide		
	2.10	Differentiate between selective and non-selective herbicide		
<b>LO 3</b> <i>Know irrigation practices</i>	3.1	Define irrigation		
	3.2	State types of irrigation		
	3.3	Describe methods of irrigation		
	3.4	Explain merits of natural and artificial irrigation		
	3.5	Explain demerits of natural and artificial irrigation		
	3.6	Describe simple irrigation procedure		
	3.7	List simple irrigation tools		



**UNIT 007: CROP MANAGEMENT PRACTICES II**

**Unit reference number:** AGR/CRP/C/007/L2

**NOS level:** 2

**Credit value:** 3

**Guided learning hours:** 30 hours

**Unit Purpose:** This unit is designed to equip learner with knowledge and skills of crop management practices

**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. Questioning
2. Direct Observation of the learner's performance
3. Recognition of Prior Learning and experience
4. Authentic statement/Witness testimony
5. Personal statement/reflective account.
6. Product of the learners work.
7. Assignment

*(This depends on the Trade Areas to be assessed)*

### Unit 007: Crop Management Practices II

LEARNING OBJECTIVE (LO)		PERFORMANCE CRITERIA (PC)	Evidence Type		Evidence Ref. Page No.
The learner will:		The learner can:			
<b>LO 1</b> <i>Know seedlings</i>	1.1	Define seed			
	1.2	Identify types of seed			
	1.3	Distinguish between healthy and unhealthy seeds			
	1.4	State factors affecting the health of seedlings			
	1.5	Describe thinning			
	1.6	State advantages of thinning			
	1.7	State disadvantages of thinning			
	1.8	Carryout thinning on the field			
	1.9	Differentiate between thinning and pruning			
<b>LO 2</b> <i>Know Fertilizer and herbicides application</i>	2.1	Distinguish between pre-emergence and post emergence herbicides.			
	2.2	Determine the rate of herbicides needed on the field			
	2.3	Distinguish between fertilizer forms			
	2.4	Distinguish between fertilizer types			
	2.5	Determine rate of fertilizer application			
	2.6	Select the methods of fertilizer application to adopt.			
<b>LO 3</b> <i>Know Pests, Diseases and their control</i>	3.1	Explain pest			
	3.2	Identify field insect pests			
	3.3	Identify damages caused by insect pests			
	3.4	Describe pest management strategies			
	3.5	Select measures in prevention and control of pests			
	3.6	State the economic importance of pests			



## **UNIT 008: CEREAL HARVESTING AND HARVESTING PROCEDURES II**

**Unit reference number:** AGR/CRP/008/L2

**NOS level:** 2

**Credit value:** 3

**Guided learning hours:** 30 hours

**Unit Purpose:** This unit is designed to equip learner with knowledge and skills required to demonstrate understanding of the fundamentals and concept of maturity time, signs of maturity and using appropriate harvesting equipment and right harvesting method of cereal crops

### **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. Questioning
2. Direct Observation of the learner's performance
3. Recognition of Prior Learning and experience
4. Authentic statement/Witness testimony
5. Personal statement/reflective account.
6. Product of the learners work.
7. Assignment

*(This depends on the Trade Areas to be assessed)*

## Unit 008: Cereal Harvesting and Harvesting Procedures II

LEARNING OBJECTIVE (LO)		PERFORMANCE CRITERIA (PC)	Evidence Type	Evidence Ref. Page No.
<b>The learner will:</b>		<b>The learner can:</b>		
<b>LO1</b> <i>Know maturity time of cereal crops</i>	1.1	Explain Cereal crop maturity		
	1.2	Explain physiological changes towards maturity in Cereal crops		
	1.3	Enumerate signs of maturity in Cereal crops		
	1.4	State the maturity time of Cereal crops		
	1.5	Distinguish between mature and immature Cereal crop		
<b>LO 2</b> <i>Know harvesting and harvesting procedures</i>	2.1	Explain harvesting time		
	2.2	Describe harvesting methods of Cereal crops		
	2.3	List harvesting tools		
	2.4	Operate simple harvesting implements		
	2.5	List types of harvesting methods		
	2.6	Enumerate advantages of mechanical thresher		
	2.7	Distinguish between manual and mechanical thresher		
	2.8	Distinguish between harvester and a thresher		
	2.9	Carryout handling of harvested produce		
<b>LO 3</b> <i>Know post-harvest loss</i>	3.1	Define post-harvest loss		
	3.2	Classify post-harvest losses		
	3.3	State causes of post-harvest losses		
	3.4	Explain measures of preventing post-harvest losses		
	3.5	Explain impact of post-harvest losses		

**Learners Signature:**

**Date:**

Assessors Signature:

Date:

IQAM Signature (if sampled)

Date:

**EQAM Signature (if sampled)**

**Date:**

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## **UNIT 009: PROCESSING AND STORAGE OF CEREAL CROP PRODUCT II**

**Unit reference number:** AGR/CRP/009/L2

**NOS level:** 2

**Credit value:** 3

**Guided learning hours:** 30 hours

**Unit Purpose:** This unit is designed to equip learner with knowledge and skills required to the fundamental of handling, processing, storage and marketing of Cereal Crops and products

**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. Questioning
2. Direct Observation of the learner's performance
3. Recognition of Prior Learning and experience
4. Authentic statement/Witness testimony
5. Personal statement/reflective account.
6. Product of the learners' work.
7. Assignment

*(This depends on the Trade Areas to be assessed)*

## Unit 009: Processing and Storage of Cereal Crop Product II

LEARNING OBJECTIVE (LO)		PERFORMANCE CRITERIA (PC)	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
LO 1: <i>Know cereals handling and processing</i>	1.1	Define Cereal handling		
	1.2	List various procedures in Cereal crops handling		
	1.3	Explain post-harvest handling requirement		
	1.4	Describe simple Cereal processing procedures		
	1.5	Define cereal processing		
	1.6	Differentiate between product of processed cereal		
	1.7	Describe bagging of Cereal products		
LO 2: <i>Know storage of processed Cereal products</i>	2.1	Enumerate the condition for Cereal storage		
	2.2	Explain the moisture contents of Cereal		
	2.3	Describe the optimal moisture content for storage		
	2.4	Identify how to control weevils in stored Cereals		
	2.5	Explain the modern storage technique for Cereals product		
	2.6	Describe how to set up a warehouse facility for Cereals storage		
LO 3: <i>Know packaging</i>	3.1	Explain the relevance of packaging in Cereals processing		
	3.2	Describe the benefits of the following: <ul style="list-style-type: none"> <li>• Batch number</li> <li>• Production date</li> <li>• Best before date</li> <li>• Nutritional value</li> </ul>		
	3.3	Carryout Cereals packaging procedures		

	3.4	List the steps involved in Cereals packaging procedure												
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<b>Learners Signature:</b>	<b>Date:</b>
Assessors Signature:	Date:
IQAM Signature (if sampled)	Date:
<b>EQAM Signature (if sampled)</b>	<b>Date:</b>

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## **UNIT 010: TRANSPORT AND MARKETING OF CEREAL CROPS II**

**Unit reference number:** AGR/CRP/010/L2

**NOS level:** 2

**Credit value:** 3

**Guided learning hours:** 30 hours

**Unit Purpose:** This unit is designed to equip learner with knowledge and skills of transportation and marketing involved in cereal crops and product

**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. Questioning
2. Direct Observation of the learner's performance
3. Recognition of Prior Learning and experience
4. Authentic statement/Witness testimony
5. Personal statement/reflective account.
6. Product of the learners' work.
7. Assignment

*(This depends on the Trade Areas to be assessed)*

### Unit 010: Transport and Marketing of Cereal Crops II

LEARNING OBJECTIVE (LO)		PERFORMANCE CRITERIA (PC)	Evidence Type		Evidence Ref. Page No.
<b>The learner will:</b>		<b>The learner can:</b>			
<b>LO1</b> <i>Know the transportation of Cereal crops</i>	1.1	Describe loading and offloading techniques for cereal crops and products			
	1.2	Identify suitable methods and means of transportation of cereals crops and products			
	1.3	Describe the steps involved in loading and offload in cereals crops and products			
	1.4	Explain the various steps involved in transportation of cereals crops and products			
	1.5	Explain the importance of record keeping in transportation of cereal crops and products			
<b>LO 2</b> <i>Know grading/standardization of cereal crop</i>	2.1	Explain how to standardize/grade Cereal crops/products for National or International markets			
	2.2	Determine the appropriate methods of weighing Cereal crops/products for the market			
	2.3	List the criteria used in grading cereal crops			
	2.4	Identify the impact of poor grading			
<b>LO 3</b> <i>Know marketing of cereal crops</i>	3.1	Define cereal market			
	3.2	Identify cereal aggregators			
	3.3	Identify the middlemen in cereal crops and products market			
	3.4	Describe the role of off taker in cereal crops and products market			
	3.5	Identify marketing channels for cereal crops			
	3.6	Describe the role of digital marketing for cereal crops			

<b>Learners Signature:</b>	<b>Date:</b>
Assessors Signature:	Date:
IQAM Signature (if sampled)	Date:
<b>EQAM Signature (if sampled)</b>	<b>Date:</b>

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### LIST OF PARTICIPANTS FOR PRE-CRITIQUE

S/N	NAME	ADDRESS	EMAIL
1.	Engr. Perpetua Amarachi Ezenweze	COREN, Abuja	amaperp@yahoo.com
2.	Samson Tope Fadare	AFOS Foundation	Samtopefadare@yahoo.com
3.	Gabriel Abumere	Logic Integrated Business Resources Ltd Ikeja, Lagos	Gabriel.abumere@gmail.com
4.	Dr. Taiwo Adeyemi	LAG-RICE Nigeria Ltd 1 Oba Ogunji road, Pencinema Agege, Lagos	dr.paulbot4savinsoul@gmail.com
<b>NBTE STAFF</b>			
5.	Prof. I.M. Bugaje	Executive Secretary, NBTE Kaduna	es@nbte.gov.ng
6.	Prof. Diya'uddeen B. Hassan		
7.	Dr. Musa Hatim Koko	Director, CDD	<a href="mailto:hatimlion@gmail.com">hatimlion@gmail.com</a>
8.	Tukur Tahir Mahmud	NBTE	<a href="mailto:teekaytaheer@gmail.com">teekaytaheer@gmail.com</a>
9.	Muhammad Umar Auna	NBTE	<a href="mailto:Muhammadauna.mu@gmail.com">Muhammadauna.mu@gmail.com</a>

### SALESIANS OF DON BOSCO, AFRICA NIGERIA NIGER (ANN) PROVINCE

10	Rev Fr Peter Morba	Provincial, ANN Province	provincial@donboscoann.org
11	Rev Fr James Ailen	Vice Provincial, ANN	v.provincial@donboscoann.org
12	Rev Fr Raphael Aioboman	Provincial Economer	p.economer@donboscoann.org
13	Rev Fr Felix Olamide	Provincial Youth Delegate	youth.ministry@donboscoann.org
14	Cletus Linus Etukakpan	Provincial TVET Coordinator	ptvetoffice@donboscoann.org

**LIST OF PARTICIPANTS FOR FINAL-CRITIQUE & VALIDATION**

S/N	NAME	ADDRESS	EMAIL
1.	Prof. Olamuiwa James Jayeoba	President Association of Deans of Agriculture in Nigeria Universities (ADAN)	jamesjayeoba@gmail.com
2.	Dr. Ademoh Idris	Secretary, SSC4A	<a href="mailto:ademohi@yahoo.com">ademohi@yahoo.com</a>
3.	Pascal Durand Carrier	Expert TVET expertise France NBTE-SSC4A	pascal.durand.carrier@expertisefrance
4.	Chime Matthew Chukwudi		chukwudi666@gmail.com
<b>NBTE STAFF</b>			
5.	Prof. I.M. Bugaje	Executive Secretary, NBTE Kaduna	<a href="mailto:es@nbte.gov.ng">es@nbte.gov.ng</a>
6.	Prof. Diya'uddeen B. Hassan	SA/ES, NBTE Kaduna	
7.	Dr. Musa Hatim Koko	Director, CDD	<a href="mailto:hatimlion@gmail.com">hatimlion@gmail.com</a>
8.	Dr. Alawiya S Ilu	NBTE	
9.	Ruqayya Muhammad Robiu	NBTE	

**SALESIANS OF DON BOSCO, AFRICA NIGERIA NIGER (ANN) PROVINCE**

10	Rev Fr Peter Morba	Provincial, ANN Province	<a href="mailto:provincial@donboscann.org">provincial@donboscann.org</a>
11	Rev Fr James Ailen	Vice Provincial, ANN	<a href="mailto:v.provincial@donboscann.org">v.provincial@donboscann.org</a>
12	Rev Fr Raphael Aioboman	Provincial Economist	<a href="mailto:p.economist@donboscoann.org">p.economist@donboscoann.org</a>
13	Rev Fr Felix Olamide	Provincial Youth Delegate	<a href="mailto:youth.ministry@donboscoann.org">youth.ministry@donboscoann.org</a>
14	Cletus Linus Etukakpan	Provincial TVET Coordinator	<a href="mailto:ptvetoffice@donboscoann.org">ptvetoffice@donboscoann.org</a>