

*Crop Produce Analysts:
Grain Grader*

Curriculum Code 684301001

Practical Assessment



Task 1: Simulation	PM-01-PS01: Collect and prepare samples of a grain/oilseed consignment for the grading process	<p>Applied Knowledge</p> <p>AK0101 Concept and principles of representative grains and oilseeds sampling</p> <p>AK0102 Sampling methods and procedures</p> <p>Internal Assessment Criteria</p> <ul style="list-style-type: none"> • <i>Samples of a grain/oilseed consignment are collected and prepared for the grading process according to workplace procedures</i> • <i>The prepared sample and documentation for the grading process are presented</i>
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The assessor will provide possible scenario settings determined by the type of grain and/or oilseed:

Practical scenario settings:

1. Consignment delivered in bags
2. Consignment delivered in bulk
3. Sampling Procedures when contents differ

Prepared sample:

- Correct instruments used
- Working sample obtained according to standard requirements

Documentation for grading process:

- Correct documentation completed and included as evidence

Supplementary evidence:

- Workplace procedures
- Checklists
- Photo/Video evidence of sampling procedures
- Documentation completed

PRACTICAL : SAMPLING: OBSERVATION CHECKLIST			
Learner name			
Learner ID			
Assessor name			
Date of assessment		Duration of assessment	
Sampling method observed	Consignment delivered in bags	Commodity	
Tasks observed		Achieved	Not achieved
Check the sampler and all buckets and sample holders for cleanliness and functionality			
Clean working station in preparation for sampling and grading			
Take a representative sample with the minimum prescribed weight and method for the type of consignment			
Split the sample into working samples using the multi-slot divider			
Use the residue of the representative sample to check and determine for poisonous seeds			
Overall assessment remarks			
Assessor	Signature	Date	Time

PRACTICAL : SAMPLING: OBSERVATION CHECKLIST				
Learner name				
Learner ID				
Assessor name				
Date of assessment		Duration of assessment		
Sampling method observed	Consignment delivered in bulk		Commodity	Maize Wheat Sunflower Sorghum Soya bean Dry bean
Tasks observed			Achieved	Not achieved
Check the sampler and all buckets and sample holders for cleanliness and functionality				
Clean working station in preparation for sampling and grading				
Take a representative sample with the minimum prescribed weight and method for the type of consignment				
Split the sample into working samples using the multi-slot divider				
Use the residue of the representative sample to check and determine for poisonous seeds				
Overall assessment remarks				
Assessor	Signature		Date	Time

PRACTICAL : SAMPLING: OBSERVATION CHECKLIST				
Learner name				
Learner ID				
Assessor name				
Date of assessment		Duration of assessment		
Sampling method observed	Consignment when contents differ	Commodity	Maize Wheat Sunflower Sorghum Soya bean Dry bean	
Tasks observed		Achieved	Not achieved	
Check the sampler and all buckets and sample holders for cleanliness and functionality				
Clean working station in preparation for sampling and grading				
Take a representative sample with the minimum prescribed weight and method for the type of consignment				
Split the sample into working samples using the multi-slot divider				
Use the residue of the representative sample to check and determine for poisonous seeds				
Overall assessment remarks				
Assessor	Signature	Date	Time	

Task 2: Simulation	PM-01-PS02: Plan and prepare for the grading of a grain/oilseed consignment	<p>Applied Knowledge</p> <p>AK0201 Organising and preparing the workplace</p> <p>AK0202 Testing procedures</p> <p>AK0203 Measuring instruments and test equipment</p> <p>AK0204 Personal protective equipment</p> <p>Internal Assessment Criteria</p> <ul style="list-style-type: none"> • <i>Planning and preparation procedures for the grading of a grain/oilseed consignment are performed according to workplace procedures and instructions</i> • <i>The appropriate instruments and equipment are selected, checked and prepared</i> • <i>Appropriate personal protective clothing and equipment are selected</i>
<p>The assessor will create a simulated practical activity where the learner has to:</p> <ul style="list-style-type: none"> • Plan and prepare for grading according to workplace procedures • Select, check and prepare appropriate PPE and equipment <p>Supplementary evidence:</p> <ul style="list-style-type: none"> • Workplace procedures • Checklists • Photo/Video evidence of simulated activity 		

Task 3: Simulation	PM-01-PS03: Analyse and grade the grain/oilseed working sample	<p>Applied Knowledge</p> <p>AK0301 Grains and oilseeds grading principles and regulatory framework</p> <p>AK0302 Grading methods and procedures</p> <p>AK0303 Required calculations</p> <p>Internal Assessment Criteria</p> <ul style="list-style-type: none"> • <i>The grain/oilseed working sample is analysed and graded using appropriate workplace procedures</i> • <i>Grades are recorded and completed documentation is forwarded according to workplace procedures</i>
<p>The assessor will create a simulated practical activity where the learner has to:</p> <ul style="list-style-type: none"> • Analyse and grade the grain/oilseed sample using appropriate workplace procedures • Appropriate workplace documentation is completed <p>Supplementary evidence:</p> <ul style="list-style-type: none"> • Workplace procedures • Checklists • Photo/Video evidence of sampling procedures • Documentation completed 		

PRACTICAL : GRADING: OBSERVATION CHECKLIST			
Learner name			
Learner ID			
Assessor name			
Date of assessment		Duration of assessment	
Grading	Preparation for grading PPE Grading practices Documentation	Commodity	
Tasks observed		Achieved	Not achieved
Check all grading equipment for correctness and functionality			
Grade the sample according to grading principles			
Award applicable class and grade to consignment			
Prepare sample for SAGL harvest quality and file			
Clean working station and prepare for the next consignment			
Overall assessment remarks			
Assessor	Signature	Date	Time

Final Assessment Results		
Practical Task 1	PM-01-PS01: Collect and prepare samples of a grain/oilseed consignment for the grading process	
	Observation	C NYC
	Supporting evidence	C NYC
Practical Task 2	PM-01-PS02: Plan and prepare for the grading of a grain/oilseed consignment	
	Observation	C NYC
	Supporting evidence	C NYC
Practical Task 2	PM-01-PS03: Analyse and grade the grain/oilseed working sample	
	Observation	C NYC
	Supporting evidence	C NYC

ASSESSOR	SIGNATURE	DATE
LEARNER	SIGNATURE	DATE
MODERATOR	SIGNATURE	DATE