



QUALIFICATIONS PACK - OCCUPATIONAL STANDARDS FOR AGRICULTURE AND ALLIED INDUSTRY

#### What are Occupational Standards(OS)?

OS describe what individuals need to do, know and understand in order to carry out a particular job role or function

OS are performance standards that individuals must achieve when carrying out functions in the workplace, together with specifications of the underpinning knowledge and understanding

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# Introduction Qualifications Pack- Quality Seed Grower

SECTOR: AGRICULTURE INDUSTRIES

SUB-SECTOR: Agriculture Industries

**OCCUPATION:** Seed Production And Processing

**REFERENCE ID:** AGR/Q7101

ALIGNED TO: NCO-2015/6130.0201

**Quality Seed Grower:** Quality Seed Grower is responsible for producing foundation and multiplication seeds according to pre-determined standards and systems while maintaining its genetic purity.

**Brief Job Description:** The individual at work cultivates breeder seeds to produce foundation seeds and foundation seeds to produce multiplication seeds of crops by undertaking recommended practices and methods.

**Personal Attributes:** The job requires the individual to have: good eyesight and observation ability, attention to details, ability to work independently as well as under expert's supervison, quality orientation, health safety, willingness to wear protective gears and the stamina for long hours of work in different environmental conditions.



Qualifications Pack For Quality Seed Grower



Qualifications Pack Code		AGR/Q7101		
Job Role		Quality Seed Grower		
Credits (NSQF)	TBD	Version number	1.0	
Sector	Agriculture and Allied	Drafted on	25/02/14	
Sub Sector	Agriculture Industries	Last reviewed on	14/06/17	
Occupation	Seed Production And Processing	Next review date	14/06/21	
NSQC Clearance on		18/06/2015		

Job Role	Quality Seed Grower		
	Also called as "Seed grower"		
Role Description	The individual cultivates breeder seeds to produce foundation		
Role Description	seeds and foundation seeds to produce multiplication seeds of crops by undertaking recommended practices and methods		
NSQF level	4		
Minimum Educational Qualifications	5 <sup>th</sup> standard pass, preferably		
Maximum Educational Qualifications	Not Applicable		
Training			
(Suggested but not mandatory)	NA		
Minimum Job Entry Age	17 Years		
Experience	Six months experience in crop cultivation practices		
	Compulsory:		
Applicable National Occupational Standards (NOS)	<ol> <li>AGR/N7101 Collect information and resources for seed production</li> <li>AGR/N7102 Prepare field and sow seeds</li> <li>AGR/N7103 Grow and manage seed crop</li> <li>AGR/N7104 Harvest and thresh the seed crop</li> <li>AGR/N7105 Post harvest management of seeds</li> </ol>		
Performance Criteria	6. <u>AGR/N9903 Maintain Health &amp; Safety at the work place</u> As described in the relevant OS units		



Definitions



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Transform	ning the skill landscape

Keywords /Terms	Description	
Sector	Sector is a conglomeration of different business operations having simila business and interests. It may also be defined as a distinct subset of the economy whose components share similar characteristics and interests.	
Sub-sector	Sub-sector is derived from a further breakdown based on the characteristics and interests of its components.	
Occupation	Occupation is a set of job roles, which perform similar/ related set o functions in an industry.	
Function	Function is an activity necessary for achieving the key purpose of the sector, occupation, or an area of work, which can be carried out by person or a group of persons. Functions are identified through functional analysis and form the basis of OS.	
Sub-function	Sub-functions are sub-activities essential to fulfil the achieving the objectives of the function.	
Job role	Job role defines a unique set of functions that together form a unique employment opportunity in an organisation.	
Occupational Standards (OS)	OS specify the standards of performance an individual must achieve when carrying out a function in the workplace, together with the knowledge and understanding they need to meet that standard consistently. Occupational Standards are applicable both in the India and global contexts.	
Performance Criteria	Performance criteria are statements that together specify the standard c performance required when carrying out a task.	
National OccupationalNOS are occupational standards which apply unique context.		
Qualifications Pack (QP)	QP comprises the set of OS, together with the educational, training and other criteria required to perform a job role. A QP is assigned a unique qualifications pack code.	
Unit Code	Unit code is a unique identifier for an Occupational Standard, which i denoted by an 'N'	
Unit Title	Unit title gives a clear overall statement about what the incumben should be able to do.	
Description	Description gives a short summary of the unit content. This would b helpful to anyone searching on a database to verify that this is the appropriate OS they are looking for.	
Scope	Scope is a set of statements specifying the range of variables that an individual may have to deal with in carrying out the function which have a critical impact on quality of performance required.	
Knowledge and Understanding	Knowledge and understanding are statements which together specify the technical, generic, professional and organisational specific knowledg that an individual needs in order to perform to the required standard.	
Organisational Context	Organisational context includes the way the organisation is structure and how it operates, including the extent of operative knowledg managers have of their relevant areas of responsibility.	
Technical Knowledge	Technical knowledge is the specific knowledge needed to accomplis specific designated responsibilities.	
Core Skills/ Generic Skills	Core skills or generic skills are a group of skills that are the key to learnin and working in today's world. These skills are typically needed in an	





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	SOP	work environment in today's world. These skills are typically needed in any work environment. In the context of the OS, these include communication related skills that are applicable to most job roles. Standard Operating Procedure	
	Keywords /Terms	Description	
<b>B</b>	NOS	National Occupational Standard(s)	
Acronym	NSQF	National Skills Qualifications Framework	
crc	QP	Qualifications Pack	
A	AGR	Agriculture	







Collect information and resources for seed production

# **National Occupational** Standard



## **Overview**

This unit is about collecting the information and required resources for production of quality seeds.



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National Oc	cupational Standards





AGR/N7101	Collect information and resources for seed production
Unit Code	AGR/N7101
Unit Title (Task)	Collect information and resources for seed production
Description	This OS is about collecting the information and required resources for production of quality seeds.
Scope	<ul> <li>This unit/task covers the following:</li> <li>Understand work requirements</li> <li>Indent and receive required resources</li> </ul>
	<ul> <li>Store the received material</li> <li>Achieve productivity and quality standards</li> </ul>
Performance Criteria	(PC) w.r.t. the Scope
Element	Performance Criteria
Understand work requirements	<ul> <li>To be competent, the individual on the job must be able to:</li> <li>PC1. receive theinstructions and work requirements from company's field supervisor</li> <li>PC2. understand standard practices and methods for quality seed growing</li> <li>PC3. understand the methods of using tools, equipments and personal protective gears for seed growing</li> <li>PC4. understand the standard precautions to be taken for quality seed growing</li> <li>PC5. understand the quality parameters on which seed crop will be evaluated and payment will be made to the seed grower</li> <li>PC6. sign a contract with the seed processor to produce seeds of predetermined quality and standard</li> </ul>
Indent and receive required resources	<ul> <li>To be competent, the individual on the job must be able to:</li> <li>PC7. indent for breeder / foundation seeds, fertilizers, tools, equipments, personal protective gears, containers for collecting soil samples for testing and work instructions</li> <li>PC8. receive all the resources from the field supervisor</li> <li>PC9. document the materials received as per company's work instructions</li> </ul>
Store the received material	<ul> <li>To be competent, the individual on the job must be able to:</li> <li>PC10. segregate the received material as per the work instructions</li> <li>PC11. unpack the material as per the requirement</li> <li>PC12. follow the standard precautions for handling the material like seed, fertilizers etc.</li> <li>PC13. store them as per instructions</li> </ul>
Achieve productivity and quality standards	<ul> <li>To be competent, the user/ individual must be able to:</li> <li>PC14. get complete understanding of producing the quality seeds as per predetermined quality and standard</li> <li>PC15. identify missing resources or their shortages for producing the seed yield as per the contract</li> <li>PC16. ensure proper handling and storage of received resources</li> </ul>
Knowledge and Unde	









AGR/N7101	Collect information and resources for seed production			
A. Organizational	The user/individual on the job needs to know and understand:			
Context	KA1. relevant legislation, standards, policies, and procedures in work			
(Knowledge of	KA2. relevant health and safety requirements applicable in the work environment			
the company /	KA3. own job role and responsibilities and sources for information pertaining to work			
organization and	KA4. who to approach for support in order to obtain work related information,			
its processes)	clarifications and support			
	KA5. importance of following health, hygiene, safety and quality standards and the			
	impact of not following the standards on consumers and the business			
	KA6. documentation and related procedures applicable in the context of work			
B. Technical	The individual on the job needs to know and understand:			
Knowledge	KB1. company's policies on: incentives; quality, safety and delivery standards			
	KB2. company's reporting structure			
	KB3. company's grievance redressal system			
	KB4. about different types of seeds and their characteristics			
	KB5. correct way of handling different types and varieties of seeds			
	KB6. about different types of resources required to produce quality seeds			
	KB7. about effective storage of different types of resources			
	KB8. about characteristics of good quality seed KB9. about factors influencing seed production			
	KB9. about factors influencing seed production KB10. about agro-climatic conditions of the area			
	KB11. about site selection and field preparation			
Skills (S)				
A. Core Skills/	Writing Skills			
Generic Skills	The user/individual on the job needs to know and understand how to			
	SA1. document information regarding materials received			
	Reading skills			
	The user/individual on the job needs to know and understand how: to			
	SA2. read agriculture related articles			
	Oral Communication (Listening & Speaking Skills)			
	The user/individual on the job needs to know and understand how to			
	SA3. listen to supervisor to capture information on production of quality of seeds			
	SA4. communicate clearly and effectively to field supervisor on resource requirements			
B. Professional	Decision Making			
Skills	The user/individual on the job needs to know and understand:how to			
	SB1. whether to consult field supervisor for calculation of quantity of resources			
	required as per the field size or not			
	Plan and Organize			
	The user/individual on the job needs toknow: how to			
	SB2. how to operate tools and equipments used for seed production e.g chemical			
	sprayer etc.			









AGR/N7101	Collect information and resources for seed production				
	SB3. how to do the routine maintenance of these equipments				
	Problem Solving				
	The user/individual on the job needs to know and understand how: to SB4. resolve work-related problems e.g., work instructions not available in-vernacular				
	Customer Centricity				
	<ul> <li>SB5. manage relationships with laborers and other co-farmers</li> <li>SB6. attend and make use of exposure visit</li> </ul>				
	Analytical Thinking				
	The user/individual on the job needs to know and understand how: to				
SB7. monitor and maintain the material and equipment required for various operations					
	Critical Thinking				
	The user/individual on the job needs to know and understand how: to SB8. take up his own working and learning				
	The second se				



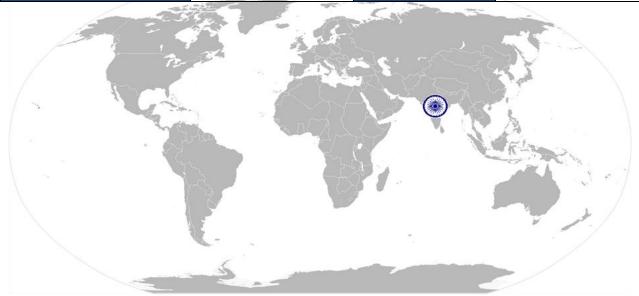






Collect information and resources for seed production

NOS Code	AGR/N7101			
Credits (NSQF)	TBD	Version number	1.0	
Sector	Agriculture and Allied	Drafted on	25/02/14	
Sub Sector	Agriculture Industries	Last reviewed on	14/06/17	
Occupation	Seed Production And Processing	Next review date	14/06/21	





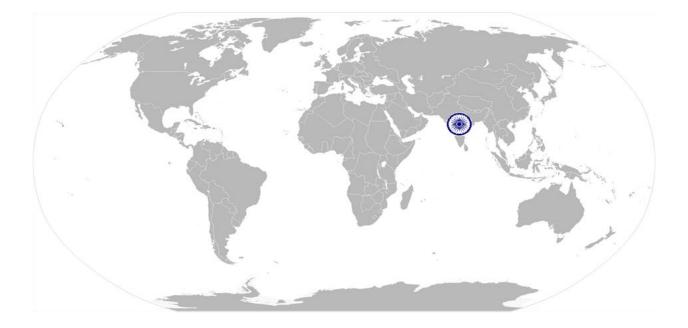






Prepare field and sow seeds

# National Occupational Standard



## **Overview**

This unit is about getting the field ready for seed crop and then sowing the seeds.



NOS	
National Occupational Sta	indards





AGR/N7102 Unit Code	Prepare field and sow seeds
	AGR/N7102
Unit Title (Task)	Prepare field and sow seeds
Description	This OS is about getting the field ready for seed crop and then sowing the seeds
Scope	This unit/task covers the following:
	Take soil sample for lab testing
	Prepare field for sowing
	Sow seed crop
	Achieve productivity and quality standards
Performance Criteria(PC) w	r.t. the Scope
Element	Performance Criteria
Take soil sample for lab	To be competent, the individual must be able to:
testing	PC1. take multiple soil samples of the field from different parts as pe
	instructions
	PC2. pack and label the soil samples and send them for lab testing to the
	company
	PC3. document as per the company's instructions
Prepare the field for	To be competent, the individual must be able to:
sowing	PC4. carefully clean and plough the land as per instructions of the company
	PC5. receive the soil testing report from the company along with the
	recommendations for preparing the soil
	PC6. use right kind and quantity of fertilizer(s) to improve the soil fertility as
	recommended by the company
	PC7. prepare the field as per company's instructions
	PC8. get the field inspected by the field supervisor
Sow seed crop	To be competent, the individual must be able to:
	PC9. receive instructions from the field supervisor regarding timing of sowin
	seeds based on the local climatic conditions
	PC10. sow the seed crop with the method suggested by the field supervisor
	depending on soil, topography and climatic conditions
	PC11. sow seeds in rows keeping appropriate distance as per the work instructions
Ashieve weedvetivity and	
Achieve productivity and quality standards	To be competent, the user/individual must be able to: PC12. prepare and plough the field so that the best possible seed bed is
quality standards	PC12. prepare and plough the field so that the best possible seed bed is prepared
	PC13. ensure preparation of field about 2 weeks before sowing so that weed
	seed in the soil could germinate to form small weed plants which could
	be removed from the field
	PC14. harrow and cultivate the field to destroy young weed plants
	PC15. eliminate weed plants which would otherwise grow in with the seed
	crop
	PC16. sowing of seed crop with optimum rate(quantity) in a given piece of
	land, so that it gives high yield
	PC17. ensure proper documentation as per the company's SOP
Knowledge and Understand	







AGR/N7102	Prepare field and sow seeds		
A. Organizational	The user/individual on the job needs to know and understand:		
Context (Knowledge of	KA1. relevant legislation, standards, policies, and procedures in work		
the company /	KA2. relevant health and safety requirements applicable in the work		
organization and its	environment		
processes)	KA3. own job role and responsibilities and sources for information pertaining		
	work		
	KA4. who to approach for support in order to obtain work related information,		
	clarifications and support		
	KA5. importance of following health, hygiene, safety and quality standards and		
	the impact of not following the standards on consumers and the business		
	KA6. documentation and related procedures applicable in the context of work		
	Add. documentation and related procedures applicable in the context of work		
B. Technical	The individual on the job needs to know and understand:		
Knowledge	KB1. company's policies on: incentives; quality, safety and delivery standards		
	KB2. company's reporting structure		
	KB3. company's grievance redressal system		
	KB4. about soil sampling and handling procedures		
	KB5. level of soil tillage include depth of ploughing and appropriate		
	equipment for ploughing		
	KB6. seed bed preparation using recommended mixture of soil and manure		
	cost		
	KB7. appropriate time for sowing by considering soil, climatic conditions		
	KB8. suitability and advantages & disadvantages of various sowing methods		
	KB9. spacing between rows and plants		
	KB10. about different types of seeds and their characteristics		
	KB11. correct way of handling different types and varieties of seeds		
	KB12. about characteristics of good quality seed		
	KB13. about ways of deterioration of crop varieties and prevention methods KB14. about factors influencing seed production		
	KB14. about factors influencing seed production KB15. about agro-climatic conditions of the area		
	KB15. about agro-climatic conditions of the area KB16. about site selection and field preparation		
	KB10. about site selection and new preparation KB17. about right sowing season and correct planting density		
	KB17. about right sowing season and correct planting density KB18. about weed management and rouging		
	KB19. about weed management and rouging KB19. about pest and disease management		
	KB20. about ways of maintaining the pure accessions		
	RB20. about ways of maintaining the pare accessions		
Skills (S)			
A. Core Skills/ Generic	Writing Skills		
Skills	The user/individual on the job needs to know and understand how: to		
	SA1. document information regarding field preparation and seed sowing		
	Reading skills		
	The user/individual on the job needs to know and understand how:to		
	SA2. read agriculture related articles		
	Oral Communication (Listening & Speaking Skills)		







<ul> <li>user/individual on the job needs to know and understand how: to</li> <li>listen to supervisor to capture information on field preparation and right time to sow the seeds</li> <li>communicate clearly and effectively to field supervisor on resource requirements</li> </ul> sion Making user/individual on the job needs to know and understand: <ul> <li>when to consult field supervisor for issues related to field preparation and seed sowing</li> </ul> and Organize user/individual on the job needs to know and understand how: to <ul> <li>operate tools and equipments used for field preparation and seed sowing</li> <li>do the routine maintenance of these equipments</li> </ul> blem solving user/individual on the job needs to know and understand how: to <ul> <li>resolve work-related problems e.g., inadequate seed quantity for sowing as per the field area</li> </ul>
<ul> <li>user/individual on the job needs to know and understand:</li> <li>when to consult field supervisor for issues related to field preparation and seed sowing</li> <li>and Organize</li> <li>user/individual on the job needs to know and understand how: to</li> <li>operate tools and equipments used for field preparation and seed sowing</li> <li>do the routine maintenance of these equipments</li> <li>olem solving</li> <li>user/individual on the job needs to know and understand how: to</li> <li>resolve work-related problems e.g., inadequate seed quantity for sowing</li> </ul>
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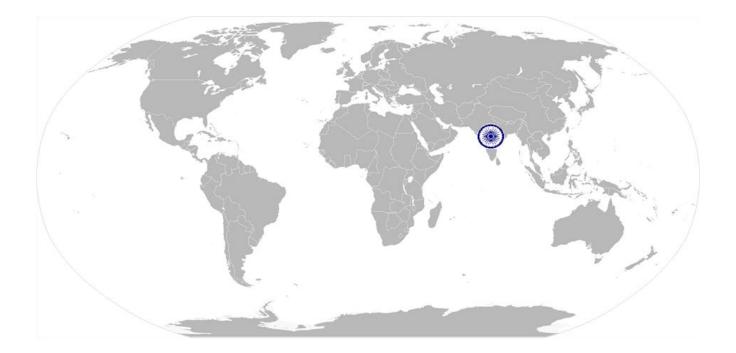






Prepare field and sow seeds

NOS Code	AGR/N7102		
Credits (NSQF)	TBD	Version number	1.0
Sector	Agriculture and Allied	Drafted on	25/02/14
Sub Sector	Agriculture Industries	Last reviewed on	14/06/17
Occupation	Seed Production And Processing	Next review date	14/06/21





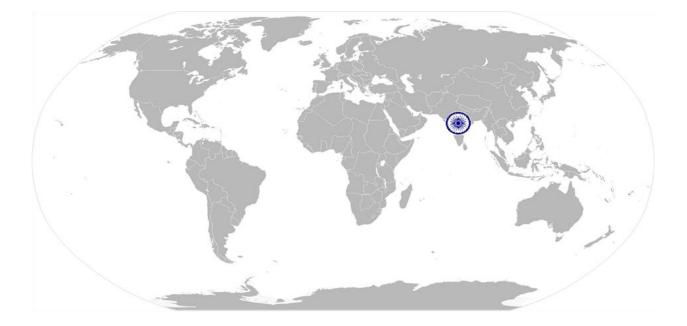






Grow and manage seed crop

# National Occupational Standard



## **Overview**

This unit is about growing and managing the seed crop as per the standard practices to maintain predetermined quality.







AGR/N7103	Grow and manage seed crop
Unit Code	AGR/N7103
Unit Title (Task)	Grow and manage seed crop
Description	This OS is about growing and managing the seed crop as per the standard practices to maintain pre-determined quality
Scope	<ul> <li>This unit/task covers the following:</li> <li>Apply fertilizer(s)</li> <li>Undertake weed control</li> <li>Inspect and diagnose problems related to seed crop</li> <li>Irrigate seed crop optimally</li> <li>Achieve productivity and quality standards</li> </ul>
Performance Criteria(PC) w	r.t. the Scope
Element	Performance Criteria
Apply fertilizer(s)	<ul> <li>To be competent, the individual must be able to:</li> <li>PC1. get the seed crop inspected by the field supervisor</li> <li>PC2. receive instructions from the field supervisor regarding use of organic and inorganic fertilizers including farm yard manure</li> <li>PC3. apply organic and inorganic fertilizer in correct dosageson seed crop as advised by the field supervisor</li> </ul>
Undertake weed control	<ul> <li>To be competent, the individual must be able to:</li> <li>PC4. identify the types of weeds in the crop</li> <li>PC5. identify field patches infested with troublesome weeds which interfere with crops</li> <li>PC6. perform manual removal of weeds regularly while they are small</li> <li>PC7. apply bio-herbicides, weedicides and chemicals as advised by the field supervisor in prescribed quantity to control and remove weeds</li> <li>PC8. maintain records as per instructions</li> </ul>
Inspect and diagnose problems related to seed crop	<ul> <li>To be competent, the individual must be able to:</li> <li>PC9. inspect and diagnose early signs and symptoms of seed crop damage</li> <li>PC10. Identify the extent of crop damage due to pests, insects and disease if any</li> <li>PC11. notify any damage to the crops to field supervisor</li> <li>PC12. apply chemical(s) on seed crop suggested by the field supervisor to make it disease free</li> <li>PC13. maintain records as per the work instructions</li> </ul>
Irrigate seed crop optimally	<ul> <li>To be competent, the individual must be able to:</li> <li>PC14. inspect seed crop regularly and identify the time of irrigation</li> <li>PC15. check availability of irrigation channels in the field</li> <li>PC16. incorporate appropriate micro-irrigation techniques (such as drip irrigation) using appropriate equipments</li> <li>PC17. apply smaller amounts of water more often to maintain the optimum soil moisture in the field</li> <li>PC18. ensure proper water drainage</li> </ul>
Achieve productivity and	PC19.maintain records as per the work instructionsTo be competent, the user/ individual must be able to:



NOS	
National Occupational Standards	





AGR/N7103	Grow and manage seed crop		
quality standards	PC20. ensure daily regular walking back and forth through a field to timely		
	identify problems related to seed crop		
	PC21. ensure appropriate and uniform application of fertilizers in prescribed		
	doses		
	PC22. ensure pulling out weeds without damaging the crop plants		
	PC23. maintain uniform moisture in the soil		
	PC24. ensure proper water drainage		
	PC25. ensure proper documentation as per the company's SOP		
Knowledge and Understand			
A. Organizational	The user/individual on the job needs to know and understand:		
Context (Knowledge of	KA1. relevant legislation, standards, policies, and procedures in work		
the company /	KA2. relevant health and safety requirements applicable in the work		
organization and its	environment		
processes)	KA3. own job role and responsibilities and sources for information pertaining to		
	work		
	KA4. who to approach for support in order to obtain work related information,		
	clarifications and support		
	KA5. importance of following health, hygiene, safety and quality standards and		
	the impact of not following the standards on consumers and the business		
	KA6. documentation and related procedures applicable in the context of work		
	RAO. documentation and related procedures applicable in the context of work		
B. Technical	The individual on the job needs to know and understand:		
Knowledge	KB1. company's policies on: incentives; quality, safety and delivery standards,		
	KB2. company's reporting structure		
	KB3. company's grievance redressal system		
	KB4. different types of pests affecting seed crops		
	KB5. different stages of crop and insect incidence		
	KB6. signs and symptoms of crop damage		
	KB7. major seed crop diseases		
	KB8. characteristics of good irrigation systems		
	KB9. about ways of deterioration of crop varieties and prevention methods		
	KB10. about factors influencing seed production		
	KB11. about weed management and rouging		
	KB12. about pest and disease management		
	KB13. about ways of maintaining the pure accessions		
Skills (S)			
A. Core Skills/ Generic	Writing Skills		
Skills	The user/individual on the job needs to know and understand how: to		
	SA1. document information regarding seed crop management		
	Reading skills		
	The user/individual on the job needs to know and understand how: to		
	SA2. read agriculture related articles		







AGR/N7103	Grow and manage seed crop
	The user/individual on the job needs to know and understand how: to
	SA3. listen to field supervisor to capture information on seed crop management
	SA4. communicate clearly and effectively to field supervisorregarding problems
	related to seed crop management
A. Professional Skills	Decision Making
	The user/individual on the job needs to know and understand: how to
	SB1. consult field supervisor for issues related to seed crop management
	Plan and Organize
	The user/individual on the job needs to know and understand: how to
	SB2. operate tools and equipments used for seed production and management
	e.g chemical sprayer etc.
	SB3. do the routine maintenance of these equipments
	Problem solving
	The user/individual on the job needs to know and understand: how to
	SB4. solve work related problems e.g., non-functional sprayer
	Customer Centricity
	The user/individual on the job needs to know and understand: how to
	SB5. build relationships and use human centric approach
	SB6. attend and make use of exposure visit
	Analytical Thinking
	The user/individual on the job needs to know and understand: how to
	SB7. monitor and maintain the material and equipment required for various
	farm operations
	Critical Thinking
	The user/individual on the job needs to know and understand: how to
	SB8. take up his own working and learning





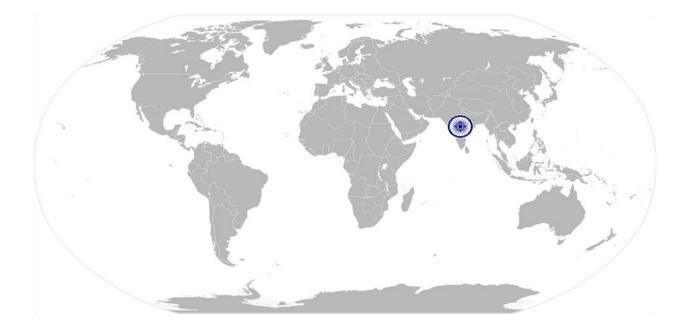


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AGR/N7103

Grow and manage seed crop

NOS Code	AGR/N7103		
Credits (NSQF)	TBD	Version number	1.0
Sector	Agriculture and Allied	Drafted on	25/02/14
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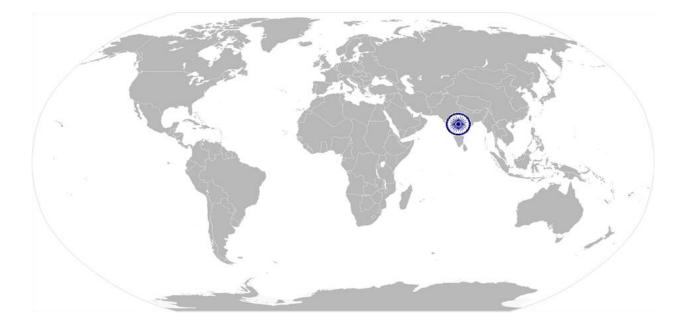






Harvest and thresh the seed crop

# National Occupational Standard



## **Overview**

This unit is about reaping the seed crop at maturity and then threshing it to get the seeds.



National Occupational Standard







AGR/N7104	Harvest and thresh the seed crop
Unit Code	AGR/N7104
Unit Title	Harvest and thresh the seed crop
(Task)	
Description	This OS is about reaping the seed crop at maturity and then threshing it to get the seeds
Scope	This unit/task covers the following:
Scope	Reap seed crop at maturity
	<ul> <li>Thresh seed crop</li> </ul>
	Handle threshed seeds
	<ul> <li>Achieve productivity and quality standards</li> </ul>
Performance Criteria(PC)	
Element	Performance Criteria
Reap seed crop at	To be competent, the individual must be able to:
maturity	PC1. ascertain that crop has matured for harvest
	PC2. get the seed crop inspected by the field supervisor
	PC3. receive instructions from the field supervisor for reaping the seed crop
	PC4. reap the crop as per company's set practices and methods
	PC5. maintain record as per instructions
Thresh seed crop	To be competent, the individual must be able to:
	PC6. select appropriate method for threshing the seed crop as per instructions
	PC7. keep the seeds of one type of variety / crop completely separated from
	the other variety / crop
	PC8. ensure proper collection of seeds as per instructions
the wall of the work of a conde	PC9. maintain record as per instructions
Handle threshed seeds	To be competent, the individual must be able to: PC10. keep the threshed seeds separate from other seeds
	PC10. keep the threshed seeds separate how other seeds PC11. keep seeds in a way to prevent their contamination with undesirable
	materials
	PC12. put threshed seeds into bags provided by the company and label them
	as per instructions for easy identification
Achieve productivity and	To be competent, the user/ individual must be able to:
quality standards	PC13. ensure maturity of seeds before harvesting seed crop
4	PC14. ensure harvesting the seed crop without damaging it
	PC15. ensure threshing seed crop effectively without incurring seed loss
	PC16. ensure storage of different seed lots separately
	PC17. ensure that stack bags of one lot are not on top of a different lot
	PC18. ensure stacking of bags to any efficient storage height without causing
	weight or pressure damage to seed at the bottom
	PC19. ensure proper upright position of seed bags
	PC20. ensure that bags are not dropped-off during handling
	PC21. ensure that the storage place is spotlessly clean all the time
	PC22. ensure proper documentation as per the company's SOP







AGR/N7104	Harvest and thresh the seed crop
Knowledge and Understan	ding (K)
A. Organizational	The user/individual on the job needs to know and understand:
Context (Knowledge of	KA1. relevant legislation, standards, policies, and procedures in work
the company /	KA2. relevant health and safety requirements applicable in the work
organization and its	environment
processes)	KA3. own job role and responsibilities and sources for information pertaining to
	work
	KA4. who to approach for support in order to obtain work related information, clarifications and support
	KA5. importance of following health, hygiene, safety and quality standards and
	the impact of not following the standards on consumers and the business
	KA6. documentation and related procedures applicable in the context of work
B. Technical	The individual on the job needs to know and understand:
Knowledge	KB1. company's policies on: incentives; quality, safety and delivery standards
	KB2. company's reporting structure
	KB3. company's grievance redressal system
	KB4. about different types of harvesting methods for seed crop
	KB5. about different types of threshing methods for seed crop
	KB6. correct way of handling threshed seeds
	KB7. correct way of storing threshed seeds
	KB8. about characteristics of good quality seed
	KB9. about ways of maintaining the pure accessions
Skills (S)	
A. Core Skills/ Generic	Writing Skills
Skills	The user/individual on the job needs to know and understand how: to SA1. document information regarding harvesting and threshing seed crop
	Reading Skills
	The user/individual on the job needs to know and understand how to
	SA2. read agriculture related articles
	Oral Communication (Listening & Speaking Skills)
	The user/individual on the job needs to know and understand how to
	SA3. listen to supervisor to capture information on harvesting and threshing
	seed crop and its handling
	SA4. communicate clearly and effectively to field supervisor on resource
	requirements
A. Professional Skills	Decision Making
	The user/individual on the job needs to know and understand: how to
	SB1. when to consult field supervisor for issues related to harvesting and
	threshing of seed crop
	Plan and Organize

#### 







	& ENTREPRENEURSHIP		
AGR/N7104	Harvest and thresh the seed crop		
	The user/individual on the job needs to know and understand: how to		
	SB2. operate tools and equipments used for harvesting and threshing of seed crop		
	SB3. do the routine maintenance of these equipments		
	Problem Solving		
	The user/individual on the job needs to know and understand how: to		
	SB4. resolve work-related problems e.g., non-availability of computerized labels		
	Customer Centricity		
	The user/individual on the job needs to know and understand: how to		
	SB5. build relationships and use human centric approach		
	SB6. manage relationships with laborers and other co-farmers		
	Analytical Thinking		
	The user/individual on the job needs to know and understand: how to		
	SB7. monitor and maintain the material and equipment required for various		
	farm operations		
	Critical Thinking		

The user/individual on the job needs to know and understand: how to SB8. takeup hisown working and learning





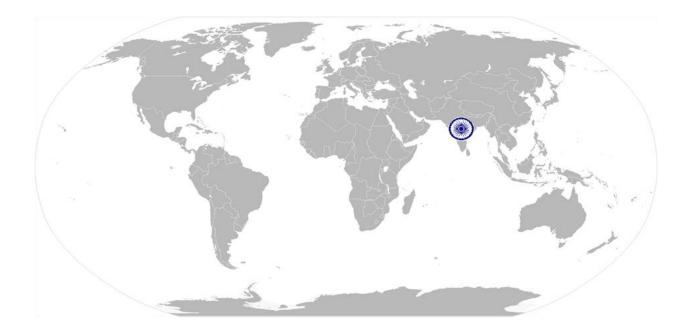






Harvest and thresh the seed crop

NOS Code	AGR/N7104		
Credits (NSQF)	TBD	Version number	1.0
Sector	Agriculture and Allied	Drafted on	25/02/14
Sub Sector	Agriculture Crop Production	Last reviewed on	14/06/17
Occupation	Seed Production and Processing	Next review date	14/06/21





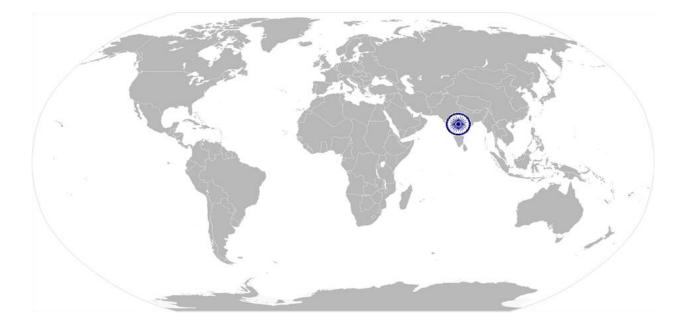






Post harvest management of seeds

# National Occupational Standard



## **Overview**

This unit is about managing the threshed seeds before sending them to seed processing unit.



National Occupational Standard





AGR/N7105	Post harvest management of seeds
Unit Code	AGR/N7105
Unit Title (Task)	Post harvest management of seeds
Description	This OS is about managing the threshed seeds before sending them to seed processing unit
Scope	<ul> <li>This unit/task covers the following:</li> <li>Undertake sun-drying of seeds</li> <li>Undertake cleaning of seeds</li> <li>Achieve productivity and quality standards</li> </ul>
Performance Criteria(PC) w	.r.t. the Scope
Element	Performance Criteria
Undertake sun drying of seeds	<ul> <li>To be competent, the individual must be able to:</li> <li>PC1. identify appropriate time for sun-drying of seeds considering weather conditions and possibility of seed shattering</li> <li>PC2. select appropriate place for sun-drying the seeds</li> <li>PC3. open bags, spread seeds and sun-dry them by following procedures, practices and methods suggested in instructions</li> </ul>
Undertake cleaning of seeds	<ul> <li>To be competent, the individual must be able to:</li> <li>PC4. remove dust, debris, trash etc. from dry seeds using graded sieves as per the instructions</li> <li>PC5. separate lightweight material and empty glumes by gentle winnowing</li> <li>PC6. spread the seeds on clean and well-lit surface to remove damaged seeds, seeds of different species etc. if any</li> <li>PC7. put dry and cleaned seeds in bags and label them as per instructions</li> <li>PC8. send seeds to company for further processing as per the instructions</li> <li>PC9. maintain the record as per the instructions</li> </ul>
Achieve productivity and quality standards	<ul> <li>To be competent, the user/ individual must be able to:</li> <li>PC10. ensure drying of seeds immediately after threshing them</li> <li>PC11. ensure seeds are dried up to the optimum level of moisture content in them</li> <li>PC12. avoid breaking or damaging the seeds during post harvest management of seeds</li> <li>PC13. ensure proper cleaning of seeds before bagging them</li> <li>PC14. ensure proper documentation as per the company's SOP</li> </ul>
Knowledge and Understand	
A. Organizational Context (Knowledge of the company / organization and its processes)	<ul> <li>The user/individual on the job needs to know and understand:</li> <li>KA1. relevant legislation, standards, policies, and procedures in work</li> <li>KA2. relevant health and safety requirements applicable in the work environment</li> <li>KA3. own job role and responsibilities and sources for information pertaining to work</li> <li>KA4. who to approach for support in order to obtain work related information,</li> </ul>



NOS National Occupational Standards





AGR/N7105	Post harvest management of seeds	
	clarifications and support	
	KA5. importance of following health, hygiene, safety and quality standards and	
	the impact of not following the standards on consumers and the business	
	KA6. documentation and related procedures applicable in the context of work	
B. Technical	The individual on the job needs to know and understand:	
Knowledge	KB1. company's policies on: incentives; quality, safety and delivery standards,	
	KB2. company's reporting structure	
	KB3. company's grievance redressal system	
	<ul><li>KB4. about different types of seeds and their characteristics</li><li>KB5. correct way of handling different type and variety of seeds</li></ul>	
	KB5. about effective storage of threshed seeds	
	KB7. about effective ways of sun drying the seeds	
	KB8. about effective methods of cleaning sun dry threshed seeds	
Skills (S)		
A. Core Skills/ Generic	Writing Skills	
Skills	The user/individual on the job needs to know and understand how: to	
	SA1. document information regarding post harvest management of seeds	
	Reading skills	
	The user/individual on the job needs to know and understand how: to	
	SA2. read articles related to agriculture & quality seeds Oral Communication (Listening & Speaking Skills)	
	The user/individual on the job needs to know and understand how: to	
	SA3. listen to supervisor to capture information on post harvest management	
	of seeds	
	SA4. communicate clearly and effectively to field supervisor on resource	
B. Professional Skills	Decision Making	
	The user/individual on the job needs to know and understand how: to	
	SB1. when to consult field supervisor for issues related to post harvest	
	management of seeds	
	Plan and Organize	
	The user/individual on the job needs to know and understand how: to	
	SB2. operate tools and equipments used for post harvest management of seeds	
	SB3. do the routine maintenance of these equipments	
	Problem solving	
	The user/individual on the job needs to know and understand how: to	
	SB4. resolve work-related problems	
	Customer Centricity	
	The user/individual on the job needs to know and understand how: to	
	SB5. build relationships and use human centric approach	
	SB6. manage relationships with laborers and other co-farmers	

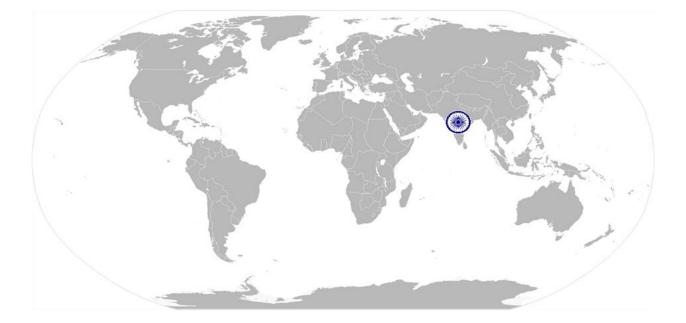








AGR/N7105	Post harvest management of seeds
	Analytical Thinking
	The user/individual on the job needs to know and understand how: to
	SB7. monitor and maintain the material and equipment required for various
	farm operations
	Critical Thinking
	The user/individual on the job needs to know and understand how: to
	SB8. takeup his own working and learning











Post harvest management of seeds

NOS Code	AGR/N7105		
Credits (NSQF)	TBD	Version number	1.0
Sector	Agriculture and Allied	Drafted on	25/02/14
Sub Sector	Agriculture Industries	Last reviewed on	14/06/17
Occupation	Seed Production And Processing	Next review date	14/06/21



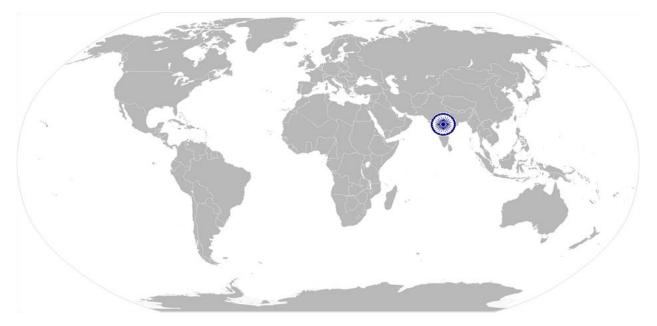






Maintain health & safety at the work place

# National Occupational Standard



## **Overview**

This unit is about dealing with health and safety of the farmers and co workers at workplace.









AGR/N9903 Unit Code	Maintain health & safety at the work place	
Unit Title	Maintain health and safety at the workplace	
(Task) Description	This OS is for the cultivator who is responsible for maintaining health and safety	
	of self and others co workers at workplace	
Scope	This unit/task covers the following:	
	Maintain clean and efficient workplace	
	Render appropriate emergency procedures	
Performance Criteria(P	C) w.r.t. the Scope	
Element	Performance Criteria	
Maintain clean and	To be competent, the individual must be able to:	
efficient workplace	PC1. undertake basic safety checks before operation of all machinery and	
	vehicles and hazards are reported to the appropriate supervisor	
	PC2. work for which protective clothing or equipment is required is identified	
	and the appropriate protective clothing or equipment is used in	
	performing these duties in accordance with workplace policy.	
	PC3. read and understand the hazards of use and contamination mentioned	
	on the labels of pesticides/fumigants etc	
	PC4. assess risks prior to performing manual handling jobs, and work	
	according to currently recommended safe practice.	
	PC5. use equipment and materials safely and correctly and return the same to	
	designated storage when not in use	
	PC6. dispose of waste safely and correctly in a designated area	
	PC7. recognise risks to bystanders and take action to reduce risk associated	
	with jobs in the workplace	
	PC8. perform your work in a manner which minimizes environmental damage	
	all procedures and work instructions for controlling risk are followed	
	closely.	
	PC9. report any accidents, incidents or problems without delay to an	
	appropriate person and take necessary immediate action to reduce	
Dandar annuariata	further danger.	
Render appropriate	To be competent, the individual must be able to:	
emergency procedures	PC10. follow procedures for dealing with accidents, fires and emergencies,	
	including communicating location and directions to emergency.	
	PC11. follow emergency procedures to company standard / workplace	
	requirements	
	PC12. use emergency equipment in accordance with manufacturers'	
	specifications and workplace requirements	
	PC13. provide treatment appropriate to the patient's injuries in accordance	
	with recognized first aid techniques	
	PC14. recover (if practical), clean, inspect/test, refurbish, replace and store the	
	first aid equipment as appropriate	









	Maintain health & safety at the work place           PC15. report details of first aid administered in accordance with workplace           procedures.
Knowledge and Understand	ling (K)
A. Organizational Context (Knowledge of the company / organization and its processes)	<ul> <li>The user/individual on the job needs to know and understand:</li> <li>KA1. relevant legislation, standards, policies, and procedures in work</li> <li>KA2. relevant health and safety requirements applicable in the work environment</li> <li>KA3. own job role and responsibilities and sources for information pertaining to work</li> <li>KA4. who to approach for support in order to obtain work related information, clarifications and support</li> <li>KA5. importance of following health, hygiene, safety and quality standards and the impact of not following the standards on consumers and the business</li> <li>KA6. documentation and related procedures applicable in the context of work</li> </ul>
B. Technical Knowledge	<ul> <li>The user/individual on the job needs to know and understand:</li> <li>KB1. personal hygiene and fitness requirements</li> <li>KB2. your general duties under the relevant health and safety legislation</li> <li>KB3. what personal protective equipment and clothing should be worn and how it is cared for</li> <li>KB4. the correct and safe way to use materials and equipment required for your work</li> <li>KB5. the importance of good housekeeping in the workplace</li> <li>KB6. safe disposal methods for waste</li> <li>KB7. methods for minimizing environmental damage during work</li> <li>KB8. the risks to health and safety and the measures to be taken to control those risks in your area of work</li> <li>KB9. workplace procedures and requirements for the treatment of workplace injuries/illnesses.</li> <li>KB10. basic emergency first aid procedure</li> <li>KB11. local emergency services</li> <li>KB12. why accidents, incidents and problems should be reported and the appropriate action to take</li> </ul>
Skills (S)	
A. Core Skills/ Generic Skills	Writing Skills         The user/ individual on the job needs to know and understand how to:         SA1.       mention the data which are required for record keeping purpose         SA2.       report problems to the appropriate personnel in a timely manner         SA3.       write descriptions and details about incidents in reports         Reading Skills       The method is the person place between the pla
	The user/individual on the job needs to know and understand how to: SA4. read instruction manual for hand tool and equipments









AGR/N9903	Maintain health & safety at the work place
	Oral Communication (Listening and Speaking skills)
	The user/individual on the job needs to know and understand how to:
	SA5. communicate clearly and effectively with others like farmers, concerned officer/stakeholders
	SA6. comprehends information shared by senior people and experts
B. Professional Skills	Decision Making
	The user/individual on the job needs to know and understand how to: SB1. make decisions pertaining to types of tools to be used SB2. identify need of first aid and render it accordingly
	Plan and Organize
	The user/individual on the job needs to know and understand how to: SB3. schedule daily activities and drawing up priorities; allocate start times, estimation of completion times and materials, equipment and assistance required for completion.
	Customer Centricity
	The user/individual on the job needs to know and understand how to: SB4. manage relationships with co-workers and managers of the who may be stressed, frustrated, confused or angry
	Problem Solving
	The user/individual on the job needs to know and understand how to: SB5. Identify problems immediately and take up solutions quickly to resolve delays
	Analytical Thinking
	The user/individual on the job needs to know and understand how to: SB6. monitor and maintain the condition of tools and equipment SB7. assess situation & identify appropriate control measures
	Critical Thinking
	The user/individual on the job needs to know and understand how to: SB7. take up his own working and learning



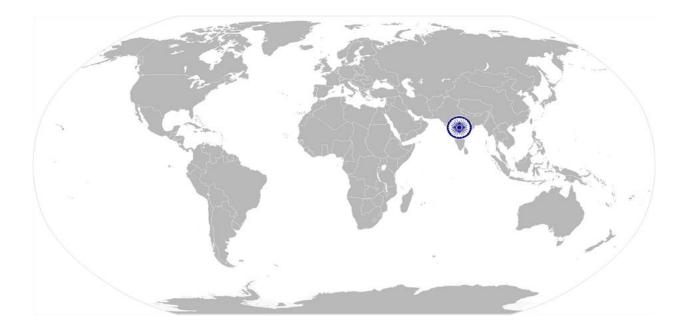






Maintain health & safety at the work place

NOS Code	AGR/N9903		
Credits (NSQF)	TBD	Version number	1.0
Sector	Agriculture and Allied	Drafted on	25/02/14
Sub Sector	Agriculture Industries	Last reviewed on	14/06/17
Occupation	Seed Production And Processing	Next review date	14/06/21





**Qualifications Pack For Quality Seed Grower** 





#### **Annexure**

#### Nomenclature for QP and NOS

# Qualifications Pack 9 characters [Insert 3 letter code for SSC] QP number (2 numbers) Q denoting Qualifications Pack Occupation (2 numbers) Occupational Standard 9 characters An example of NOS with 'N' 9 characters [Insert 3 letter code for SSC] Occupation (2 numbers) N denoting National Occupational Standard Occupation (2 numbers)

#### Back to top...







The following acronyms/codes have been used in the nomenclature above:

	Range of Occupation
Sub-sector	numbers
Agriculture Crop Production	01 – 40
Dairying	41 – 42
Poultry	43 – 44
Animal Husbandry	45 – 48
Fisheries	49 – 51
Agriculture Allied Activities	52 – 60
Forestry, Environment and Renewable Energy	61 - 70
Management	
Agriculture Industries	71 – 90
Generic Occupations	96 - 99

Sequence	Description	Example
Three letters	Industry name	AGR
Slash	/	/
Next letter	Whether QP or NOS	Q or N
Next two numbers	Occupation code	01
Next two numbers	OS number	01

Note:

- The range of occupation numbers have been decided based on the number of existing and future occupations in a segment
- Occupation numbers from 91 95 have been intentionally left blank to accommodate any emerging segment in future.







#### **CRITERIA FOR ASSESSMENT OF TRAINEES**

Job Role	Quality Seed Grower
Qualification Pack	AGR/Q7101
Sector Skill Council	Agriculture

#### **Guidelines for Assessment: .**

1. Criteria for assessment for each Qualification Pack will be created by the Sector Skill Council. Each Performance Criteria (PC) will be assigned marks proportional to its importance in NOS. SSC will also lay down proportion of marks for Theory and Skills Practical for each PC. 2. The assessment for the theory part will be based on knowledge bank of questions created by the SSC.

3. Assessment will be conducted for all compulsory NOS, and where applicable, on the selected elective/option NOS/set of NOS.

4. Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training center (as per assessment criteria below).

4. Individual assessment agencies will create unique evaluations for skill practical for every student at each examination/training center based on this criterion.

5. To pass the Qualification Pack , every trainee should score a minimum of 70% of aggregate marks to successfully clear the assessment.

6. In case of unsuccessful completion, the trainee may seek reassessment on the Qualification Pack.

Assessment outcomes	Assessment Criteria for outcomes	Total Marks (300)	Out Of	Marks Allocation	
				Theory	Skills Practical
1.AGR/N7101 Collect	PC1. receive the instructions and work requirements from company's field supervisor		3	1	2
information and	PC2. understand standard practices and methods for quality seed growing		4	2	2
resources for seed	PC3. understand the methods of using tools, equipments and personal protective gears for seed growing		2	1	1
production	PC4. understand the standard precautions to be taken for quality seed growing		2	1	1
	PC5. understand the quality parameters on which seed crop will be evaluated and payment will be made to the seed grower		4	2	2
	PC6. sign a contract with the seed processor to produce seeds of predetermined quality and standard		3	1	2
	PC7. indent for breeder / foundation seeds, fertilizers, tools, equipments, personal protective gears, containers for collecting soil samples for testing and work instructions		4	2	2
	PC8. receive all the resources from the field supervisor	]	1	0	1
	PC9. document the materials received as per company's work instructions	45	4	2	2







	PC10. segregate the received material as per the work instructions		2	1	1
	PC11. unpack the material as per the requirement		2	1	1
	PC12. follow the standard precautions for handling the material like				
	seed, fertilizers etc.	-	2	1	1
	PC13. store them as per instructions		3	1	2
	PC14. get complete understanding of producing the quality seeds				
	as per predetermined quality and standard	-	3	1	2
	PC15. identify missing resources or their shortages for producing			_	_
	the seed yield as per the contract	-	3	1	2
	PC16. ensure proper handling and storage of received resources		3	2	1
			45	20	25
2.	PC1. take multiple soil samples of the field from different parts as				
AGR/N7102	per instructions		4	1	3
Prepare field	PC2. pack and label the soil samples and send them for lab testing				
and sow	to the company	-	4	1	3
seeds	PC3. document as per the company's instructions		4	1	3
	PC4. carefully clean and plough the land as per instructions of the				
	company		4	1	3
	PC5. receive the soil testing report from the company along				
	with their recommendations for preparing the soil	-	1	1	0
	PC6. use right kind and quantity of fertilizer(s) to improve the soil fertility as recommended by the company		c	2	2
			6	3	3
	PC7. prepare the field as per company's instructions	-	4	2	2
	PC8. get the field inspected by the field supervisor		2	2	0
	PC9. receive instructions from the field supervisor regarding timing				_
	of sowing seeds based on the local climatic conditions	-	2	2	0
	PC10. sow the seed crop with the method suggested by the field supervisor depending on soil, topography and climatic conditions		2	1	1
	PC11. sow seeds in rows keeping appropriate distance as per the	-	2	T	L
	work instructions		2	1	1
	PC12. prepare and plough the field so that the best possible seed				
	bed is prepared		2	1	1
	PC13. ensure preparation of field about 2 weeks before sowing so				
	that weed seed in the soil could germinate to form small weed				
	plants which could be removed from the field	-	2	2	0
	PC14. harrow and cultivate the field to destroy young weed plants		3	3	0
	PC15. eliminate weed plants which would otherwise grow in with				
	the seed crop		2	1	1
	PC16. sowing of seed crop with optimum rate(quantity) in a given		2	4	4
	piece of land, so that it gives high yield	-	2	1	1
	PC17. ensure proper documentation as per the company's SOP	50	4	1	3
			50	25	25
3.	PC1. get the seed crop inspected by the field supervisor		2	1	1
AGR/N7103	PC2. receive instructions from the field supervisor regarding use of	]			
Grow and	organic and inorganic fertilizers including farm yard manure		2	1	1
manage seed	PC3. apply organic and inorganic fertilizer in correct dosages on				
crop	seed crop as advised by the field supervisor	75	4	2	2







PC4. identify the types of weeds in the crop       4       2       2         PC5. identify field patches infected with troublesome weeds which interfere with crops       2       1       1         PC7. apply bio-herbicides, weedicides and chemicals as advised by the field supervisor in prescribed quantity to control and remove weeds       2       1       1         PC8. maintain records as per instructions       7       4       2       2         PC1. apply chemical(s) on seed crop pagested by the field supervisor       2       1       1         PC12. apply chemical(s) on seed crop suggested by the field supervisor       2       1       1         PC13. instry any damage to the crops to field supervisor       2       1       1         PC13. maintain records as per the work instructions       4       2       2       2         PC14. inspect seed crop regularly and identify the time of irrigation the field supervisor to maintain the optimum soil moisture in the field       2       1       1         PC14. ensure proper water drainage       2       1       1       2       1       1         PC14. ensure proper water drainage       PC24. ensure proper water drainage       2       1       1       2       1       1         PC24. ensure proper water drainage       PC21. acertain that crop has matured for harvest       3			1			
Interfere with crops211PCC. perform manual removal of weeds regularly while they are small211PC.7. apply bio-herbiddes, weedicides and chemicals as advised by the field supervisor in prescribed quantity to control and remove weeds422PCS. maintain records as per instructionsPCI.0. identify the extent of crop damage due to pests, insects and disease if any.422PC10. identify the extent of crop damage due to pests, insects and disease if any.3121PC11. anotify any damage to the crops to field supervisor2111PC12. apply chemical(s) on seed crop suggested by the field supervisor to make it disease free2111PC13. maintain records as per the work instructions21111PC14. inspect seed crop regularly and identify the time of irrigation channels in the field2111PC15. check availability of irrigation channels in the field21111PC16. incorporate appropriate micro-irrigation techniques (such as drip irrigation) using appropriate neurone often to maintain the optimum soil mosture in the field2111PC12. ensure pulling out weeds without damaging the crop plants312211PC24. ensure proper water drainage3122222PC24. ensure proper water drainage312222222211211 <td< td=""><td></td><td></td><td></td><td>4</td><td>2</td><td>2</td></td<>				4	2	2
PC6. perform anual removal of weeds regularly while they are small       2       1         PC7. apply bio-herbicides, weedlicides and chemicals as advised by the field supervisor in prescribed quantity to control and remove weeds       4       2       2         PC8. maintain records as per instructions       4       2       2       4       2       2         PC1. blentify the extent of crop damage due to pests, insects and disease free       4       2       2       1       1         PC1. apply chemical(s) on seed crop suggested by the field supervisor to make it disease free       2       1       1       2       1       1       2       1       1       2       1       1       2       1       1       2       1       1       1       2       2       1       1       1       2       2       1       1       1       2       1       1       1       2       1       1       1       2       1       1       1       2       1       1       1       2       1       1       1       2       1       1       1       2       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1 <t< td=""><td rowspan="2"></td><td></td><td></td><td></td><td></td><td></td></t<>						
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PC5. maintain record as per instructions312PC6. select appropriate method for threshing the seed crop as per instructions211PC7. keep the seeds of one type of variety / crop completely separated from the other variety / crop312PC8. ensure proper collection of seeds as per instructions312		· · · · · · · · · · · · · · · · · · ·	1		2	2
PC6. select appropriate method for threshing the seed crop as per instructions211PC7. keep the seeds of one type of variety / crop completely separated from the other variety / crop312PC8. ensure proper collection of seeds as per instructions312						
PC7. keep the seeds of one type of variety / crop completely separated from the other variety / crop312PC8. ensure proper collection of seeds as per instructions312		PC6. select appropriate method for threshing the seed crop as per				
separated from the other variety / crop312PC8. ensure proper collection of seeds as per instructions312			•	Z	1	<u> </u>
PC8. ensure proper collection of seeds as per instructions    3    1    2				3	1	2
			1		1	2
		PC9. maintain record as per instructions	45	3	0	3







			[]		
	PC10. keep the threshed seeds separate from other seeds		2	2	0
	PC11. keep seeds in a way to prevent their contamination with				
	undesirable materials		3	1	2
	PC12. put threshed seeds into bags provided by the company and		2	1	1
	label them as per instructions for easy identification		2	1	1
	PC13. ensure maturity of seeds before harvesting seed crop		1	1	0
	PC14. ensure harvesting the seed crop without damaging it		1	1	0
	PC15. ensure threshing seed crop effectively without incurring seed				
	loss		1	1	0
	PC16. ensure storage of different seed lots separately		1	1	0
	PC17. ensure that stack bags of one lot are not on top of a different				
	lot		1	1	0
	PC18. ensure stacking of bags to any efficient storage height				
	without causing weight or pressure damage to seed at the bottom		1	1	0
	PC19. ensure proper upright position of seed bags		1	1	0
	PC20. ensure that bags are not dropped-off during handling		1	1	0
	PC21. ensure that the storage place is spotlessly clean all the time		1	1	0
	PC22. ensure proper documentation as per the company's SOP		4	2	2
			45	25	20
5.	PC1. identify appropriate time for sun-drying of seeds		-13		
AGR/N7105	considering weather conditions and possibility of seed shattering		2	2	0
Post harvest	PC2. select appropriate place for sun-drying the seeds		3	3	0
management	PC3. open bags, spread seeds and sun-dry them by following			-	
of seeds	procedures practices and methods suggested in instructions		5	2	3
	PC4. remove dust, debris, trash etc from dry seeds using graded				
	sieves as per the instructions		7	3	4
	PC5. separate lightweight material and empty glumes by gentle		_		_
	winnowing		7	3	4
	PC6. spread the seeds on clean and well-lit surface to remove		0	2	6
	damaged seeds, seeds of different species etc. if an PC7. put dry and cleaned seeds in bags and label them as per		9	3	0
	instructions		9	3	6
	PC8. send seeds to company for further processing as per the		5	3	•
	instructions		2	0	2
	PC9. maintain the record as per the instructions		5	0	5
	· · · · · · · · · · · · · · · · · · ·		2		0
	PC10. ensure drying of seeds immediately after threshing them PC11. ensure seeds are dried up to the optimum level of moisture		2	2	0
	content in them		2	2	0
	PC12. avoid breaking or damaging the seeds during post harvest		~	2	0
	management of seeds		3	3	0
	PC13. ensure proper cleaning of seeds before bagging them		2	2	0
	PC14. ensure proper documentation as per the company's SOP	60	2	2	0
	· · · · · · · · · · · · · · · · · · ·	00			30
6	PC1 undertake basic safety checks before operation of all		60	30	50
6. AGR/N9903	PC1. undertake basic safety checks before operation of all machinery and vehicles and hazards are reported to the		60	30	







Safety at the work place						
work place						
PC	C2. work for which protective clothing or equipment is required is					
	entified and the appropriate protective clothing or equipment is					
us	ed in performing these duties in accordance with workplace					
ро	blicy.		3	3	1	2
	C3. read and understand the hazards of use and contamination					
	entioned on the labels of pesticides/fumigants etc		3	3	1	2
	C4. assess risks prior to performing manual handling jobs, and					
	ork according to currently recommended safe practice.		1	<u> </u>	1	0
	C5. use equipment and materials safely and correctly and return					
the	e same to designated storage when not in use		3	3	1	2
	C6. dispose of waste safely and correctly in a designated area		1	L	1	0
	C7. recognise risks to bystanders and take action to reduce risk					
	sociated with jobs in the workplace		1	<u> </u>	1	0
	C8. perform your work in a manner which minimizes					
	nvironmental damage all procedures and work instructions for					
	ontrolling risk are followed closely.		1	<u> </u>	1	0
	C9. report any accidents, incidents or problems without delay to					
	appropriate person and take necessary immediate action to		1		1	0
	duce further danger. C10. follow procedures for dealing with accidents, fires and		1	-	1	0
	nergencies, including communicating location and directions to					
	nergency.		1		1	0
	C11. follow emergency procedures to company standard /			-	-	0
	orkplace requirements		1		1	0
	C12. use emergency equipment in accordance with manufacturers					
	pecifications and workplace requirements		3	3	1	2
-	C13. provide treatment appropriate to the patient's injuries in					
	cordance with recognized first aid techniques		1	L	1	0
PC	C14. recover (if practical), clean, inspect/test, refurbish, replace					
	nd store the first aid equipment as appropriate		1		1	0
	C15. report details of first aid administered in accordance with					
wo	orkplace procedures.		1	<u> </u>	1	0
			2	5	15	10
			30			
	TOTAL	300	0	150		150