

Model Curriculum

Quality Seed Grower

SECTOR: AGRICULTURE & ALLIED
SUB-SECTOR: AGRICULTURE INDUSTRIES
OCCUPATION: SEED PRODUCTION AND PROCESSING
REF ID: AGR/Q7101, V1.0
NSQF LEVEL: 4



Certificate

CURRICULUM COMPLIANCE TO QUALIFICATION PACK – NATIONAL OCCUPATIONAL STANDARDS

is hereby issued by the

AGRICULTURE SKILL COUNCIL OF INDIA

for the

MODEL CURRICULUM

Complying to National Occupational Standards of
Job Role/ Qualification Pack: '**Quality Seed Grower**' QP No. '**AGR/Q 7101 NSQF Level 4**'

Date of Issuance: March 15th, 2015

Valid up to: March 31st, 2019

* Valid up to the next review date of the Qualification Pack



Authorised Signatory
(Agriculture Skill Council of India)

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Quality Seed Grower

CURRICULUM / SYLLABUS

This program is aimed at training candidates for the job of a “Quality Seed Grower”, in the “Agriculture & Allied” Sector/Industry and aims at building the following key competencies amongst the learner

Program Name	Quality Seed Grower		
Qualification Pack Name & Reference ID. ID	AGR/Q7101, v1.0		
Version No.	1.0	Version Update Date	
Pre-requisites to Training	5 th standard pass, preferably		
Training Outcomes	<p>After completing this programme, participants will be able to:</p> <ul style="list-style-type: none"> • Produce Quality Seeds: General introduction to Seed Industry, Optimum conditions required for the production of breeder seed, foundation seed, and certified seed. • Grow and manage crop: Inputs requirement, Preparation of field, sowing, boarder crops, pollination process, quality management, crop management • Maintain the quality of the produce (as prescribed in standards): Time of Harvesting, Moisture level of the produce, method of drying, packing. • Become well versed with Environment Health & Safety: Well versed with health and safety measures in terms of personal safety and others as well. 		

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		coating) <ul style="list-style-type: none"> Understand Storage Pest & Diseases and practice its management 	
7	Maintain Health & Safety at the work place Theory Duration (hh:mm) 10:00 Practical Duration (hh:mm) 10:00 Corresponding NOS Code AGR/N9903	<ul style="list-style-type: none"> Perform General safety Rules Gain Knowledge of various health hazards relevant to workplace and basic first aid training. Understand the basic safety checks and other common reported hazards before all farm operation Understand, identify and study the use of equipment, processing machine and materials safely and correctly Understand and handle the emergency situation in workplace and during any farm operation 	White Board, Marker, Laptop, projector, Nose masks, first aid kit
	Total Duration: Theory Duration (hh:mm) 90:00 Practical Duration (hh:mm) 110:00	Unique Equipment Required: White Board, Marker, Laptop, projector, Record Keeping Book, receipts, voucher, Soil testing kit, plastic bags, labels, plough, seed drill, leveler, tractor, Sprayer, fertilizers, crop protection chemicals, irrigation tools & equipments, disposable bottles, Thresher, container, Storage infrastructure -cool chamber, crate, bags, fungicides, insecticides, Nose masks, first aid kit	

Grand Total Course Duration: 200 Hours, 0 Minutes

(This syllabus/ curriculum has been approved by [Agriculture Skill Council of India](#))

Trainer Prerequisites for Job role: “Quality Seed Grower” mapped to Qualification Pack: “AGR/Q7101, v1.0”

Sr. No.	Area	Details
1	Description	Trainer is responsible for providing the education on Quality seeds, Cultivation Practices, Management practices etc
2	Personal Attributes	Trainer should be Subject Matter Specialist. He/ She should have good communication and observation skill, leadership skill, practical oriented skill
3	Minimum Educational Qualifications	Diploma
4a	Domain Certification	Certified for Job Role: “Quality Seed Grower” mapped to QP: “AGR/Q7101, v1.0”. Minimum accepted score is 80%
4b	Platform Certification	Certified for the Job Role: “Trainer”, mapped to the Qualification Pack: “MEP/Q0102”. Minimum accepted score is 80%
5	Experience	<ul style="list-style-type: none"> • M Sc (Agriculture / Horticulture / Botany) • B. Sc. (Agriculture / Horticulture / Botany) with 1 year of relevant work experience and 2 years of total work experience • Graduate with 3 years of relevant work experience • Diploma with 3 years of relevant work experience

Annexure: Assessment Criteria

Assessment Criteria	
Job Role	Quality Seed Grower
Qualification Pack	AGR/Q7101, v1.0
Sector Skill Council	Agriculture

Sr. No.	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 <i>unsuccessful completion</i> , the trainee may seek reassessment on the Qualification Pack.

Assessable Outcome	Assessment Criteria	Total Marks	Out of	Marks Allocation	
				Theory	Skills Practical
5. AGR/N7105 Post harvest management of seeds	PC20. ensure that bags are not dropped-off during handling	60	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
	Total		45	25	20
	PC1. identify appropriate time for sun-drying of seeds considering weather conditions and possibility of seed shattering		2	2	0
	PC2. select appropriate place for sun-drying the seeds		3	3	0
	PC3. open bags, spread seeds and sun-dry them by following 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 damaged seeds, seeds of different species etc. if an		9	3	6
	PC7. put dry and cleaned seeds in bags and label them as per instructions		9	3	6
	PC8. send seeds to company for further processing as per the instructions		2	0	2
	PC9. maintain the record as per the instructions		5	0	5
	PC10. ensure drying of seeds immediately after threshing them		2	2	0
PC11. ensure seeds are dried up to the optimum level of moisture content in them	2	2	0		

