

# Model Curriculum

## Maize Cultivator

**SECTOR: AGRICULTURE & ALLIED**  
**SUB-SECTOR: AGRICULTURE CROP PRODUCTION**  
**OCCUPATION: FIELD CROPS CULTIVATION (FOOD CROPS)**  
**REF ID: AGR/Q0103, 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: **'Maize Cultivator'** QP No. **'AGR/ Qo103 NSQF Level 4'**

Date of Issuance: October 20<sup>th</sup>, 2016

Valid up to: March 31<sup>st</sup>, 2019

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



Authorised Signatory  
(Agriculture Skill Council of India)

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# Maize Cultivator

## CURRICULUM / SYLLABUS

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

<b>Program Name</b>	<b>Maize Cultivator</b>		
<b>Qualification Pack Name &amp; Reference ID.</b>	AGR/Q0103, v1.0		
<b>Version No.</b>	1.0	<b>Version Update Date</b>	
<b>Pre-requisites to Training</b>	No entry barrier, 5 <sup>th</sup> standard pass preferable		
<b>Training Outcomes</b>	<p><b>After completing this programme, participants will be able to:</b></p> <ul style="list-style-type: none"> <li>• <b>Select &amp; Procure the Maize crop variety from authentic source:</b> Analyse the geographical conditions, resources available, select the crop variety-high yielding variety, pest and disease tolerant variety, hybrid varieties</li> <li>• <b>Grow and manage maize crop:</b> Inputs requirement, Preparation of field, seed treatment, sowing, soil testing, application of fertilizer &amp; nutrients, pest &amp; disease management, irrigation management, harvesting of crop</li> <li>• <b>Maintain the quality of the produce:</b> Time of Harvesting, Moisture level of the produce, post harvest practice, storage &amp; transportation</li> <li>• <b>Undertake Basic Farm Management:</b> Crop planning, maintaining crop calendar, financial management, analyze market demand &amp; supply</li> <li>• <b>Become well versed with Environment Health &amp; Safety:</b> Well versed with health and safety measures in terms of personal safety and others as well.</li> </ul>		

This course encompasses 10 out of 10 National Occupational Standards (NOS) of “Maize Cultivator Qualification Pack issued by “Agriculture Skill Council of India”.

Sr. No.	Module	Key Learning Outcomes	Equipment Required
1	<b>Introduction</b>  <b>Theory Duration</b> (hh:mm) 05:00  <b>Practical Duration</b> (hh:mm) 00:00  <b>Corresponding NOS Code</b> Bridge Module	<ul style="list-style-type: none"> <li>Understand the General Discipline in the class room (Do's &amp; Don'ts)</li> <li>Understand and study the Scope and Opportunities of Maize crop cultivation</li> <li>Understand the Role of a Maize Cultivator</li> <li>Get acquainted with the agro-climatic conditions required for maize cultivation</li> <li>Understand State farmers' right under PPV &amp; FRA act 2001 (9 rights)</li> </ul>	White Board, Marker, Laptop, projector
2	<b>Prepare seed for maize</b>  <b>Theory Duration</b> (hh:mm) 05:00  <b>Practical Duration</b> (hh:mm) 05:00  <b>Corresponding NOS Code</b> AGR / No115	<ul style="list-style-type: none"> <li>Identify and select the appropriate variety (high yielding, pest &amp; disease resistant, hybrid etc) based on the agro climatic conditions, climate, soil type and required yield</li> <li>Ascertain the right quality of seed on the parameters like starch content, shelling, protein content, tract suitability, expected yield, amenability to soil type and time of planting, duration etc</li> <li>Understand the Seed requirement for Maize Cultivation</li> <li>Identify &amp; procure quality seeds from authentic sources</li> <li>Undertake seed treatment using appropriate method</li> <li>Ensure proper storage of seed</li> </ul>	White Board, Marker, Laptop, projector
3	<b>Prepare land &amp; sow maize</b>  <b>Theory Duration</b> (hh:mm) 05:00  <b>Practical Duration</b> (hh:mm) 10:00  <b>Corresponding NOS Code</b> AGR / No116	<ul style="list-style-type: none"> <li>Prepare the field for maize cultivation- ploughing, levelling, ridges &amp; furrow preparation etc</li> <li>Apply manures and fertilizers in appropriate quantity</li> <li>Ensure proper tilth &amp; moisture in the field</li> <li>Demonstrate different sowing methods- line sowing, drilling, dibbling, broadcasting etc</li> <li>Sow seeds at appropriate depth, spacing using recommended seed rate at appropriate time</li> <li>Identify &amp; select crops that can be used as an intercrop</li> </ul>	Marker, Laptop, projector, plough, disc harrow, sub- soiler, tiller, land leveler, cultivator, seed drill, planter

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		<ul style="list-style-type: none"> <li>Practice intercropping &amp; crop rotation to ensure higher yields and manage weeds</li> <li>Adopt integrated farming system for diversified income</li> </ul>	
4	<b>Macro and micro nutrient management for field crops</b>  <b>Theory Duration</b> (hh:mm) 05:00  <b>Practical Duration</b> (hh:mm) 10:00  <b>Corresponding NOS Code</b> AGR / No108	<ul style="list-style-type: none"> <li>Understand the Nutrient requirement for the cultivation of maize</li> <li>Understand and perform the soil sampling for soil test</li> <li>Understand the Micro and Macro Nutrients in soil</li> <li>Understand the required fertilizer dosage for the nutrient enrichment in soil as per the soil health card</li> <li>Understand the various soil microorganisms beneficial for the nutrient enrichment in soil</li> <li>Use the bio fertilizer/organic manure in the cultivation of maize crop</li> <li>Estimate the quantity &amp; apply fertilizer &amp; micro-nutrients at various stages in appropriate dosage</li> <li>Maintain the record of application of fertilizers and intervals</li> </ul>	White Board, Marker, Laptop, projector, Sprayer, fertilizers, bio fertilizers, polythene/ cloth bags for soil samples, khurpa
5	<b>Curb weed in field crops</b>  <b>Theory Duration</b> (hh:mm) 05:00  <b>Practical Duration</b> (hh:mm) 05:00  <b>Corresponding NOS Code</b> AGR / No109	<ul style="list-style-type: none"> <li>Ascertain the type of weeds that afflict maize crop</li> <li>Understand the hazards of weed in maize crop cultivation</li> <li>Understand the use of chemical herbicides and bio- herbicides</li> <li>Apply the herbicides</li> <li>Understand and perform the Manual/mechanized weeding</li> </ul>	White Board, Marker, Laptop, projector, chemicals, sprayer, weeder, hoe, sickle
6	<b>Integrated Pest &amp; Disease management in field crops</b>  <b>Theory Duration</b> (hh:mm) 05:00  <b>Practical Duration</b> (hh:mm) 15:00  <b>Corresponding NOS Code</b> AGR / No110	<ul style="list-style-type: none"> <li>Understand the importance of Integrated Pest and Disease Management</li> <li>Understand the major pests and disease in Maize crop</li> <li>Understand the Characters &amp; life cycle of different insect pests</li> <li>Get acquainted with the stages of crop when it is vulnerable to pests &amp; diseases</li> <li>Understand the symptoms of and precaution measures for different diseases</li> <li>Prepare &amp; apply biopesticides</li> <li>Apply suitable chemical for the insect</li> </ul>	White Board, Marker, Laptop, projector, chemicals, sprayer, face mask, rubber gloves, pheromone traps, light traps, bird perches, sticky traps

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		pest and diseases attack <ul style="list-style-type: none"> <li>Identify, select and place different insect traps according to the cultivar in the field</li> <li>Practice Integrated Pest and Disease Management- mechanical, biological &amp; chemical methods</li> <li>Understand National and International standards on pesticide residues</li> </ul>	
7	<b>Irrigation management for field crops</b>  <b>Theory Duration</b> (hh:mm) 05:00  <b>Practical Duration</b> (hh:mm) 05:00  <b>Corresponding NOS Code</b> AGR / No111	<ul style="list-style-type: none"> <li>Understand the Water requirement for the cultivation of maize</li> <li>Understand the soil texture, porosity etc</li> <li>Understand the effects of water clogging &amp; poor drainage in the field</li> <li>Understand the required optimum moisture level in the field for maize cultivation</li> <li>Ascertain appropriate method of irrigation</li> <li>Ascertain critical growth stages of maize crops</li> <li>Prepare Irrigation Schedule as per the crop stage and ensure timely irrigation</li> <li>Undertake suitable irrigation method depending on the soil type, variety of maize &amp; water availability</li> <li>Understand water use efficiency concept</li> </ul>	White Board, Marker, Laptop, projector, irrigation equipments, spade
8	<b>Manage harvest and Post-harvest in Maize</b>  <b>Theory Duration</b> (hh:mm) 05:00  <b>Practical Duration</b> (hh:mm) 15:00  <b>Corresponding NOS Code</b> AGR / No117	<ul style="list-style-type: none"> <li>Understand Do's and Don'ts during crop harvesting</li> <li>Ascertain the maturity indices/harvesting stage of maize crop- sheath on the cob has turned the right shade, seeds are dry &amp; hard etc</li> <li>Harvest the crop at appropriate stage &amp; time keeping in consideration crop maturity, moisture content, climatic conditions etc</li> <li>Understand and practice the proper method of harvesting and handling of harvested crop</li> <li>Understand the importance of Post harvest Management</li> <li>Remove the sheaths using appropriate equipment when applicable</li> <li>Dry the cobs post the harvest when applicable</li> <li>Use appropriate machines and equipment to separate grains from the shanks</li> </ul>	White Board, Marker, Laptop, projector, sickle, harvester, sprayer, fumigants, storage bags (Jute bags, HDPE/pp, polythene impregnated jute bag), bag sealing machine/ tools, weighing machine

Sr. No.	Module	Key Learning Outcomes	Equipment Required
		<ul style="list-style-type: none"> <li>Perform cleaning &amp; drying of the harvested produce</li> <li>Understand various methods of storage and their influence on Maize quality &amp; cost dynamics</li> <li>Store the produce and ensure safety from storage pests</li> <li>Identify market &amp; buyers for the produce</li> <li>Make arrangements for transportation of the produce</li> </ul>	
9	<b>Basic Farm Management</b>  <b>Theory Duration</b> (hh:mm) 10:00  <b>Practical Duration</b> (hh:mm) 10:00  <b>Corresponding NOS Code</b> AGR /N9901	<ul style="list-style-type: none"> <li>Estimate the cost of production of maize crop</li> <li>Estimate the required investment</li> <li>Practice Farm management- Soil testing, selection of crop variety, Crop Calendar, Crop rotation, intercrops, schedule for fertilizer, pesticide/chemical application, irrigation schedule, harvesting schedule etc</li> <li>Identify the near market area and keep update on the market prices</li> <li>Keep record on the investment and expenditures</li> <li>Understand various uses of maize crop by-products- maize straw etc</li> </ul>	White Board, Marker, Laptop, projector, record keeping book
10	<b>Assimilating Market Information</b>  <b>Theory Duration</b> (hh:mm) 05:00  <b>Practical Duration</b> (hh:mm) 05:00  <b>Corresponding NOS Code</b> AGR /N9902	<ul style="list-style-type: none"> <li>Understand the suitable market platform for maize crop including e-procurement platform</li> <li>Collect the Market information from the reliable sources</li> <li>Analyze the market information</li> <li>Understand the right time, place for the market of the produce</li> <li>Get acquainted with Agro advisory services facility available through SMS mobile, Radio, TV, etc.</li> </ul>	White Board, Marker, Laptop, projector
11	<b>Maintain health &amp; safety at the workplace</b>  <b>Theory Duration</b> (hh:mm) 05:00  <b>Practical Duration</b> (hh:mm)	<ul style="list-style-type: none"> <li>Perform General safety Rules</li> <li>Gain Knowledge of various health hazards relevant to workplace and basic first aid training</li> <li>Understand the basic safety checks and other common reported hazards before all farm operation</li> <li>Understand, identify and study the use of equipment ,processing machine and</li> </ul>	White Board, Marker, Laptop, projector, safety mask, rubber gloves, safety boots, first aid kit



Sr. No.	Module	Key Learning Outcomes	Equipment Required
	10:00 <b>Corresponding NOS Code</b> AGR /N9903	materials safely and correctly <ul style="list-style-type: none"> <li>Understand and handle the emergency situation in workplace and during any farm operation</li> </ul>	
	<b>Total Duration:</b>  <b>Theory Duration</b> (hh:mm) <b>60:00</b>  <b>Practical Duration</b> (hh:mm) <b>90:00</b>	<b>Unique Equipment Required:</b> White Board, Marker, Laptop, projector, Record Keeping Book, chemicals, plough, disc harrow, sub-soiler, tiller, land leveler, seed drill, cultivator, polythene/ cloth bags for soil samples, khurpa, weeder, hoe, sickle, pheromone traps, light traps, bird perches, sticky traps, irrigation equipments, spade, harvester, fumigants, storage bags, bag sealing machine/ tools, weighing machine	

Grand Total Course Duration: **150 Hours, 0 Minutes**

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

## Trainer Prerequisites for Job role :“Maize Cultivator” mapped to Qualification Pack: “AGR/Qo103, v1.0”

Sr. No.	Area	Details
1	<b>Description</b>	Trainer is responsible for providing the education and skills development training on Maize cultivation from selection of crop variety to harvesting (includes procuring seed material, cultivation and intercultural operations, harvesting, marketing, etc)
2	<b>Personal Attributes</b>	Trainer should be Subject Matter Specialist. He/ She should have good communication and observation skill, leadership skill, practical oriented skill
3	<b>Minimum Educational Qualifications</b>	Diploma, Bachelor Degree in Agriculture Science
4a	<b>Domain Certification</b>	Certified for Job Role: <u>“Maize Cultivator”</u> mapped to QP: <u>“AGR/Qo103, v1.0”</u> . Minimum accepted score is 80%.
4b	<b>Platform Certification</b>	Certified for the Job Role: “Trainer”, mapped to the Qualification Pack: “SSC/Q1402”. Minimum accepted score is 70%
5	<b>Experience</b>	<ul style="list-style-type: none"> <li>• MSc (Agriculture) with relevant experience of 1 Year,</li> <li>• BSc (Agriculture) with relevant experience of 2 Year</li> <li>• Graduate with relevant experience of 3 + Years,</li> <li>• Diploma with relevant experience of 5+ Years.</li> </ul>

## Annexure: Assessment Criteria

<b>Assessment Criteria</b>	
<b>Job Role</b>	<b>Maize Cultivator</b>
<b>Qualification Pack</b>	<b>AGR/Qo103, v1.0</b>
<b>Sector Skill Council</b>	<b>Agriculture</b>

<b>Sr. No.</b>	<b>Guidelines for Assessment</b>
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	Individual assessment agencies will create unique question papers for theory part for each candidate at each examination/training centre(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 criteria
5	To pass the Qualification Pack, every trainee should score a minimum of 70% in aggregate
6	In case of successfully passing only certain number of NOS's, the trainee is eligible to take subsequent assessment on the balance NOS's to pass the Qualification Pack

Assessable Outcome	Assessment Criteria	Total Marks (600)	Out Of	Marks Allocation	
				Theory	Skills Practical
1.AGR/No115 Prepare seed for maize	PC1. identify and select the appropriate seed variety based on the agro climatic conditions, climate, soil type and required yield	60	5	2	3
	PC2. identify the various sources of seed procurement (government, private vendors) and choose the appropriate certified vendors		3	1	2
	PC3. ascertain the right quality of seed on the parameters like starch content, shelling, protein content, tract suitability, expected yield, amenability to soil type and time of planting		5	2	3
	PC4. be aware of the prevalent seed prices for the various seed types		4	2	2
	PC5. procure the appropriate seed		4	2	2
	PC6. identify the appropriate storage space for the seeds post the procurement		4	2	2
	PC7. store the seed (if there is a time lag between the procurement and sowing) in the appropriate storage place and recommended storage practice		3	1	2
	PC8. ascertain the type of threats the maize seed can be subject to like various pests and diseases depending on the agro climatic conditions		4	2	2
	PC9. ascertain the seed treatment method to be adopted like fungicide treatment		4	2	2
	PC10. ascertain the correct fungicides and other appropriate chemicals to be used for the treatment		4	2	2
	PC11. treat the seed with the correct dosage of the fungicide that has been recommended		10	5	5
	PC12. read the safety precautions in the reading material provided with the pesticide		2	1	1
	PC13. keep ready with all the necessary first aids as suggested in the safety measures		4	2	2
	PC14. use all the necessary safety material and follow all the preventive measures to		4	2	2
	PC15. avoid any injury during use / application of pesticide		4	2	2
			<b>60</b>	<b>30</b>	<b>30</b>
2.AGR/ No116 Prepare land and sow maize	PC1. plough the land by tilling to sufficient depth after the harvest of previous maize crop	60	5	3	2
	PC2. provide appropriate ridges and furrows in the land to prevent water logging in the		5	2	3

	prepared land				
	PC3.provide drains in appropriate intervals to drain off water in the monsoon season		5	2	3
	PC4.form leveled and uniformly graded land		5	3	2
	PC5.apply fertilizers in prepared soil in right proportion		8	4	4
	PC6.apply at the distance in the prepared land		3	1	2
	PC7. maintain the right ph value in the soil		4	2	2
	PC8. ascertain the germination rate with germination tests on treated seeds before sowing		5	3	2
	PC9. adopt the correct seed rate to sow the seeds		3	1	2
	PC10. sow the seeds at appropriate spacing depending on the seed variety used		5	3	2
	PC11. ascertain the correct depth to dibble the seeds		3	1	2
	PC12. practice intercropping to ensure higher yields and manage weeds		4	2	2
	PC13. utilize the appropriate mechanical seed sowing equipments like seed drills and precision planters		3	2	1
	PC14. be aware of the usage and the specifications to be set on the mechanical seed sowing equipment		2	1	1
			<b>60</b>	<b>30</b>	<b>30</b>
3.AGR/ No108 Macro and micro nutrient management for field crops	PC1. take sample as per the recommended sampling procedure from the field	<b>90</b>	10	5	5
	PC2. dry the soil and prepare samples as per procedure		10	5	5
	PC3.pack, label and submit to nearby soil testing laboratory for analysis		10	5	5
	PC4. collect the soil analysis report from the lab		5	2	3
	PC5.collect the recommended organic and inorganic fertilizer dosage from Agriculture Department based on the soil analysis report		5	3	2
	PC6. ascertain the right organic and inorganic fertilizers to be applied		10	5	5
	PC7. prepare the fields appropriately for the fertilizer application		8	4	4
	PC8. mix the fertilizers in appropriate quantities		10	5	5
	PC9. apply the fertilizers in right dosage, time and intervals of crop growth		22	11	11
			<b>90</b>	<b>45</b>	<b>45</b>
4. AGR/No109 Curb weed in field crops	PC1. ascertain the type of weeds that will afflict the field crop	<b>60</b>	15	7	8
	PC2. regulate the chemicals during soil		10	5	5

	preparation so that the land does not become congenial to weeds				
	PC3. plant appropriate intercrops varieties that will smother the weed growth		10	5	5
	PC4. use appropriate herbicides in the appropriate time		15	8	7
	PC5. use mechanical weeding equipments like hoes, where applicable		10	5	5
			<b>60</b>	<b>30</b>	<b>30</b>
5.AGR/No110 Integrated pest and disease management in field crops	PC1. identify the various pests for the field crops	90	5	2	3
	PC2. identify the stage of crop growth when the pests attack		5	2	3
	PC3. identify the part of the crop where the specific pests will attack		5	2	3
	PC4. identify and document the pest behavior		4	2	2
	PC5. prepare a pest calendar with all pest characteristics for field crop		4	2	2
	PC6. document the preventive measures for the pests		3	2	1
	PC7. adopt direct pest control methods		8	4	4
	PC8. adopt promotion of natural enemies to the various pests that can control the same naturally		8	4	4
	PC9. identify the various diseases for the field crops		4	2	2
	PC10. identify the stage of crop when it is vulnerable to disease		4	2	2
	PC11. identify the part on the crop where the specific disease will occur		4	2	2
	PC12. identify the symptoms for the diseases		4	2	2
	PC13. identify the mode of disease transfer		4	2	2
	PC14. ascertain the appropriate integrated pest management techniques like trash mulching, de-trashing, egg destruction, bund freeing, water draining, usage of bio-control agents, etc		8	4	4
	PC15. use appropriate pest and disease management chemicals in right quantities		8	4	4
	PC16. use pest and disease resistant varieties		6	3	3
	PC17. practice preventive techniques like pheromone traps, light traps, bird perches, sticky traps, etc. according to the cultivar		6	4	2
			<b>90</b>	<b>45</b>	<b>45</b>
6.AGR/No111 Irrigation management for field crops	PC1. ascertain the right amount of water required based on the physiological need of the crops, soil moisture and climate of the place of cultivation	60	15	7	8
	PC2. ascertain the right amount of water for		15	8	7

	the field crops in various stages of critical growth				
	PC3. use appropriate micro irrigation systems wherever possible and applicable		20	10	10
	PC4. avoid excessive watering		10	5	5
			<b>60</b>	<b>30</b>	<b>30</b>
7.AGR/ No121 Manage harvest and post harvest for maize	PC1.observe the symptoms at right time to ascertain harvesting	90	6	3	3
	PC2. ascertain if the sheath on the cob has turned the right shade		8	4	4
	PC3. ascertain if the seeds are dry and hard		8	4	4
	PC4.harvest the crop at the appropriate stage		8	4	4
	PC5. maintain the appropriate moisture levels		10	5	5
	PC6. remove the sheaths using appropriate equipment		10	5	5
	PC7. drying of the cobs post the harvest		10	5	5
	PC8.usage of appropriate machines and equipment to separate grains from the shanks		5	3	2
	PC9. appropriate methods to clean the seeds		10	5	5
	PC10.storage in dry location		5	2	3
	PC11.manage storage pests		10	5	5
			<b>90</b>	<b>45</b>	<b>45</b>
8.AGR/ No001 Basic farm management	PC1.choose the crop based on agro-climatic condition of the region	30	2	1	1
	PC2. take sample of the soil for testing		1	0	1
	PC3. perform intercropping with suitable and recommended crops (as per the main crop cultivated)		2	1	1
	PC4. perform crop rotation with suitable crops		2	1	1
	PC5. interact with agriculture / extension expert for crop planning		1	1	0
	PC6. choose crop based on the economic advantage		2	1	1
	PC7. maintain crop production activity record		1	1	0
	PC8. maintain crop calendars		1	1	0
	PC9. maintain calendars of weed		1	1	0
	PC10. maintain insect and pest calendar		2	1	1
	PC11. Ascertain total cost of production (land, production practices, labour, equipment, fuel, administrative cost etc.)		2	1	1
	PC12. maintain records of investment and expenditure		2	1	1
	PC13. maintain necessary books of accounts		2	1	1
	PC14. identify government schemes and		2	1	1

	their eligibility for availing themselves of the same				
	PC15. identify the nearest market		2	1	1
	PC16. identify local traders, mandis in the villages and nearby and compare the rates		2	1	1
	PC17. identify market rates of the produce season wise		2	1	1
	PC18. arrange cost-effective transportation of produce to the market		1	0	1
			<b>30</b>	<b>16</b>	<b>14</b>
9.AGR/N9902 Assimilating market information	PC1. understand the different sources of information at village-level through other farmers, neighbors, relatives, agricultural extension workers, agriculture specialists, concerned government and private departments like gram panchayat, co-operative societies and SHGs etc.	30	1	1	0
	PC2. identify different sources of information at market level through commission agents, mandisamitis and input dealers		1	1	0
	PC3. identify different sources of information through media sources like radio, newspapers, television, magazine internet, SMS in mobile phones etc.		1	0	1
	PC4. identify the appropriate sources of specific market information and proper ways to collect the required information		1	0	1
	PC5. identify the reliable source of information		1	0	1
	PC6. ascertain methods of collecting information through personal visit, telephone, internet and published reports, magazines and articles, workshops, attending seminars and training by agriculture extension service providers		2	1	1
	PC7. ascertain periodicity and cost of assessing market information		2	1	1
	PC8. ascertain availability and non-availability of specific market information		1	0	1
	PC9. perform documentation for analyzing market information		1	0	1
	PC10. evaluate the authenticity of information received		2	1	1
	PC11. analyze the information for taking decision		2	1	1
	PC12. utilize market information for taking cost effective production decisions		2	1	1
	PC13. understand quality-wise and variety-wise prices of different products such as seeds, pest, fertilizer, etc		2	1	1
	PC14. use market information and decide on		2	1	1



	crop and area be to sown which could result in better productivity for the season				
	PC15. utilize market information for taking effective pre-harvesting decisions like seed preparation, land preparation, nutrition management, weed management, pest and diseases management and irrigation management		2	1	1
	PC16. utilize market information for appropriate post-harvesting decision like drying , grading, bagging, transportation, processing and storage		2	1	1
	PC17. decide on marketing parameters like where to sell, when to sell, to whom to sell and what quantity to sell etc. which leads to profit		2	1	1
	PC18. understand benefits derived from market information		1	0	1
	PC19. make projections/future price movements through information sources		1	1	0
	PC20. understand price fluctuations in markets and take appropriate decision		1	1	0
			<b>30</b>	<b>14</b>	<b>16</b>
10.AGR/N9903 Maintain Health and safety at the workplace	PC1. undertake basic safety checks before operation of all machinery and vehicles and hazards are reported to the appropriate supervisor	30	2	1	1
	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.		2	1	1
	PC3. read and understand the hazards of use and contamination mentioned on the labels of pesticides/fumigants etc		2	1	1
	PC4. Assess risks prior to performing manual handling jobs, and work according to currently recommended safe practice.		2	1	1
	PC5. use equipment and materials safely and correctly and return the same to designated storage when not in use		2	1	1
	PC6. ispose of waste safely and correctly in a designated area		2	1	1
	PC7. recognize risks to bystanders and take action to reduce risk associated with jobs in the workplace		3	2	1
	PC8. Perform your work in a manner which minimizes environmental damage all procedures and work instructions for controlling risk are followed closely.		2	1	1
	PC9. Report any accidents, incidents or problems without delay to an appropriate		1	0	1

	person and take necessary immediate action to reduce further danger.				
	PC10. Follow procedures for dealing with accidents, fires and emergencies, including communicating location and directions to emergency.		2	1	1
	PC11. follow emergency procedures to company standard / workplace requirements		2	1	1
	PC12. use emergency equipment in accordance with manufacturers' specifications and workplace requirements		2	1	1
	PC13. provide treatment appropriate to the patient's injuries in accordance with recognized first aid techniques		2	1	1
	PC14. recover (if practical), clean, inspect/test, refurbish, replace and store the first aid equipment as appropriate		2	1	1
	PC15. Report details of first aid administered in accordance with workplace procedures.		2	1	1
			<b>30</b>	<b>15</b>	<b>15</b>
	<b>TOTAL</b>	<b>600</b>	<b>600</b>	<b>300</b>	<b>300</b>
	<u>Percentage Weightage:</u>			<b>50%</b>	<b>50%</b>
	<u>Minimum Pass% to qualify (aggregate):</u>			<b>60%</b>	