

SELF-ASSESSMENT GUIDE

Qualification:	AGRICULTURAL CROP PRODUCTION NC III	
Certificate of Competency 1:	PREPARE LAND FOR AGRICULTURAL CROPS PRODUCTION	
Instruction: <ul style="list-style-type: none"> • Read each of the questions in the left-hand column of the chart. • Place a check in the appropriate box opposite each question to indicate your answers. 		
Can I?	YES	NO
• Prepare land for cultivation*		
• Interpret work requirements from planting plan*		
• Prepare the vehicles and equipment for site cultivation*		
• Cultivate soil*		
• Incorporate previous crop or land clearance debris*		
• Operate vehicles and equipment *		
• Prepare site for planting*		
• Apply weed and pest control measures, fertilizers, ameliorants and other pre-planting treatments *		
• Clean vehicles and equipment in accordance with manufacturer's specifications *		
• Dispose leftover fluids, waste and debris from the cleaning and maintenance work *		
• Use and maintain Personal Protective Equipment *		
• Updates records as per organizational requirements*		
• Communicate effectively with superior and co-workers		
• Identify the methods of cultivating a range of soil types		
• Identify environmental issues of cultivating soil for planting		
I agree to undertake assessment in the knowledge that information gathered will only be used for professional development purposes and can only be accessed by concerned assessment personnel and my manager/supervisor.		
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Qualification:	AGRICULTURAL CROP PRODUCTION NC III	
Certificate of Competency 2:	IMPLEMENT A POST HARVEST PROGRAM	
Instruction: <ul style="list-style-type: none"> • Read each of the questions in the left-hand column of the chart. • Place a check in the appropriate box opposite each question to indicate your answers. 		
Can I?	YES	NO
• Prepare materials, tools, equipment and machinery for post harvest operations*		
• Coordinate post harvest work to farm work team *		
• Select / implement post-harvest treatments *		
• Grade / label harvested produce *		
• Clean / maintain tools, equipment and machinery *		
• Collect / dispose wastes *		
• Package harvested produce as per marketing plan and industry practice *		
• Store / handle harvested produce *		
• Use and maintain Personal Protective Equipment*		
• Record packaging and storage processes *		
• Communicate effectively in both oral and written with supervisor and team members		
• Apply pest management principles aligned with farm policy		
• Identify hygiene issues in handling and storage of produce		
• Identify environmental effects of post harvest treatment and hazardous waste disposal methodologies, application and purpose		
• Participate in team and contribute to achieve objectives		
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Qualification:	AGRICULTURAL CROP PRODUCTION NC III	
Certificate of Competency 3:	IMPLEMENT A PLANT NUTRITION PROGRAM	
Instruction: <ul style="list-style-type: none"> • Read each of the questions in the left-hand column of the chart. • Place a check in the appropriate box opposite each question to indicate your answers. 		
Can I?	YES	NO
• Identify goals and target site for the implementation of plant nutrition program including soils, plant species and varieties*		
• Analyze area and adjacent lands for soil composition / nutrients*		
• Identify materials for soil and plant treatments *		
• Monitor soil pH *		
• Assess product application methods in accordance with farm work procedures and environmental implications*		
• Identify common nutrient deficiency and toxicity problems in plants through visual inspection *		
• Apply fertilizers according to plant growing cycle and farm fertilizer calendar*		
• Handle / store fertilizers*		
• Calibrate / adjust and use tools, equipment and machinery *		
• Apply appropriate amount of specific nutrients,		
• Record product applications according to farm work procedures		
• Communicate effectively with team members, supervisors, contractors and suppliers		
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Qualification:	AGRICULTURAL CROP PRODUCTION NC III	
Certificate of Competency 4:	CONTROL WEEDS	
Instruction: <ul style="list-style-type: none"> • Read each of the questions in the left-hand column of the chart. • Place a check in the appropriate box opposite each question to indicate your answers. 		
Can I?	YES	NO
• Assess scope, density and size of weed infestation*		
• Use tools, equipment and implements		
• Use / maintain PPE *		
• Implement control measures according to IPM principles*		
• Clean and maintain safe work area *		
• Prepare land to ensure weed elimination *		
• Monitor control methods *		
• Maintain records in accordance with legislation and enterprise guidelines *		
• Identify the chemical, biological and cultural control methods and treatment available to enterprise within the parameters of IPM program		
• Identify OHS issues and legislative requirements associated with hazardous substances		
• Communicate effectively with supervisor, contractors , consultants and work team members		
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Qualification:	AGRICULTURAL CROP PRODUCTION NC III	
Certificate of Competency 5:	PREPARE AND APPLY CHEMICALS	
Instruction: <ul style="list-style-type: none"> • Read each of the questions in the left-hand column of the chart. • Place a check in the appropriate box opposite each question to indicate your answers. 		
Can I?	YES	NO
• Assess the requirements for chemical use*		
• Check label of chemicals to ensure chemicals meet user requirements and specifications *		
• Prepare appropriate chemicals *		
• Use / maintain PPE *		
• Prepare application equipment and tools*		
• Apply chemicals according to label and Material Safety Data Sheet (MSDS) *		
• Clean / maintain application equipment and tools*		
• Dispose unused chemicals, empty containers and spilled materials*		
• Follow procedures for reporting chemical spills *		
• Record application of chemicals, injury or poisoning associated with application of chemicals *		
• Measure quantities, application rates and calibrate equipment		
• Identify hazards, assessment control and emergency response		
• Communicate effectively with supervisor, contractors, consultants and work team members		
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Qualification:	AGRICULTURAL CROP PRODUCTION NC III	
Certificate of Competency 6:	ESTABLISH AGRONOMIC CROPS	
Instruction: <ul style="list-style-type: none"> • Read each of the questions in the left-hand column of the chart. • Place a check in the appropriate box opposite each question to indicate your answers. 		
Can I?	YES	NO
• Read and interpret manufacturer's specifications, work and maintenance plans, and Material Safety Data Sheets (MSDS)		
• Select and utilize various features and controls of a range of specialized application equipment to seed and fertilize grains crop*		
• Assess and calculate the application of fertilizer/pesticide requirements and application rates, calibrate equipment and calculate volumes, consumption and servicing requirements		
• Apply fertilizers, herbicides, insecticides, other pesticides and hazardous substances safely		
• Identify types of weeds and insects that are harmful and beneficial to crops		
• Prepare, calibrate, operate and service machinery and equipment*		
• Perform pre-and post operational and safety checks, servicing and maintenance on machinery and equipment		
• Clean, secure and store machinery and equipment		
• Prepare reports of machinery damage, faults or malfunctions and perform minor repairs		
• Assess soil and weather conditions and determine appropriate seeding methods*		
• Prepare seeds for planting, seed to plant by ensuring optimum range of depth and density*		
• Recognize and control hazards*		

<ul style="list-style-type: none"> • Observe and follow relevant environmental practices, provincial/municipal legislation, regulations and codes of practice with regards to workplace/OHS and the use and disposal of hazardous substances 		
<ul style="list-style-type: none"> • Evaluate seeding operations and maintain records* 		
<ul style="list-style-type: none"> • Interpret and apply task instructions 		
<ul style="list-style-type: none"> • Communicate with work teams and supervisor 		
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Qualification:	AGRICULTURAL CROP PRODUCTION NC III	
Certificate of Competency 7:	UNDERTAKE AGRONOMIC CROPS MAINTENANCE ACTIVITIES	
Instruction: <ul style="list-style-type: none"> • Read each of the questions in the left-hand column of the chart. • Place a check in the appropriate box opposite each question to indicate your answers. 		
Can I?	YES	NO
• Read and interpret manufacturer's specifications, work and maintenance plans, and Material Safety Data Sheets (MSDS)		
• Observe and follow appropriate legislative requirements, manufacturers instructions and organization procedures/ instructions		
• Identify health conditions of crops and potential pests		
• Identify moisture and hygiene requirements for agronomic crops and equipment that comes into contact with the crop		
• Prepare, calibrate, operate and service machinery and equipment		
• Identify the types and uses of herbicides, insecticides and other pesticides and alternative pest control methods (non-chemical)		
• Apply fertilizers and other chemicals considering the growth cycle of the crop*		
• Apply water according to crop requirements		
• Monitor the condition and growth rate of crops		
• Observe and prepare reports on health and growth of crops		
• Identify and prepare reports on the variations in crop's health and growth rate		
• Identify and apply basic knowledge in agronomy, horticulture and plant pathology		
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Qualification:	AGRICULTURAL CROP PRODUCTION NC III	
Certificate of Competency 8:	UNDERTAKE AGRONOMIC CROPS HARVESTING ACTIVITIES	
Instruction: <ul style="list-style-type: none"> • Read each of the questions in the left-hand column of the chart. • Place a check in the appropriate box opposite each question to indicate your answers. 		
Can I?	YES	NO
• Read and interpret manufacturer's specifications, work and maintenance plans, and Material Safety Data Sheets (MSDS)		
• Observe and follow appropriate legislative requirements, manufacturer's instructions and organization procedures/ instructions		
• Observe and follow pre and post operational and safety checks, servicing and maintenance procedures for tools and equipment		
• Harvest crops safely and efficiently while maintaining the highest degree of hygiene and quality *		
• Identify pests and signs of pest infestation in the crop		
• Identify moisture and hygiene requirements for agronomic crops and equipment that comes into contact with the crop		
• Observe and follow post-harvest handling and packaging procedures		
• Utilize communication systems		
• Handle and maneuver harvesting equipment		
• Interpret and apply task instructions, communicate with work team and supervisor; record and report faults, workplace hazards and accidents		
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Qualification:	AGRICULTURAL CROP PRODUCTION NC III	
Certificate of Competency 9:	SAVE, PREPARE AND STORE AGRICULTURAL SEED	
Instruction: <ul style="list-style-type: none"> • Read each of the questions in the left-hand column of the chart. • Place a check in the appropriate box opposite each question to indicate your answers. 		
Can I?	YES	NO
• Save, prepare, and store seed in a hygienic environment to ensure successful crop the succeeding year*		
• Identify the varieties, treatments, cleaning measures and storage techniques and requirements for seed and grain		
• Determine the inoculation treatment and dressings used within the organization		
• Observe and follow environmental controls and codes of practice applicable to the enterprise		
• Observe and follow relevant legislation and regulations relating to OHS; contractor engagement, chemical use and application; vehicle and plant use; and the use, handling and sale of seed		
• Observe and follow sound management practices and processes to minimize noise, odors and debris from sowing operations		
• Select appropriate seed test		
• Apply pre and post harvest treatment for seed		
• Identify varieties from growth patterns		
• Identify weed seeds and contaminants		
• Identify pests in stored grain and initiate control measures		
• Calculate volumes, capacities, areas, ratios for seed, storage and chemicals		

<ul style="list-style-type: none"> Maintain an update records relating to test results, provenance, varieties, pest control measures and other relevant information about the seed 		
<ul style="list-style-type: none"> Observe, identify and respond appropriately to environmental implications and OHS hazards 		
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Qualification:	AGRICULTURAL CROP PRODUCTION NC III	
Certificate of Competency 10:	IMPLEMENT VERTEBRATE PEST CONTROL PROGRAM	
Instruction: <ul style="list-style-type: none"> • Read each of the questions in the left-hand column of the chart. • Place a check in the appropriate box opposite each question to indicate your answers. 		
Can I?	YES	NO
• Use control agents safely and apply appropriate methods to control vertebrate pests*		
• Use and handle hazardous substances safely*		
• Identify species and nature of vertebrate pest and carry out inspections to assess infestations*		
• Dispose carcasses according to established industry standard*		
• Observe and follow legislative and industry requirements for the disposal of vertebrate pests and control agents		
• select and apply appropriate control methods and techniques		
• Observe and follow safety signage		
• Manage sustainable livestock supplies		
• Observe and follow relevant environmental guidelines including protection of native vegetation giving particular attention to potential soil degradation and destruction of flora and fauna		
• Observe and follow relevant provisions of OHS legislation and regulations		
• Select and use agricultural chemicals safely		
• Communicate with farm personnel and suppliers both verbal and written		
• Read and interpret chemical labels, MSDS and safety signage or decals		

<ul style="list-style-type: none"> Calculate vertebrate pest numbers and estimate appropriate resources and materials for pest control program 		
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