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SELF ASSESSMENT GUIDE

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| Qualification: | GRAINS PRODUCTION NC II (Corn) | | |
| Certificate of Competency (COC 1): | Manage Grains Production | | |
| Unit(s) of Competency Covered: | <ul style="list-style-type: none"> • Conduct variety and seed selection • Carry-out crop establishment • Manage crop | | |
| Instruction: | <ul style="list-style-type: none"> • Read each question and check the appropriate column to indicate your answer. | | |
| Can I? | YES | NO | |
| CONDUCT VARIETY AND SEED SELECTION | | | |
| • Identify soil types through soil characterization procedures | | | |
| • Select the best soil for growing corn | | | |
| • Identify what information about the site are determined before corn production * | | | |
| • State why seed selection is necessary before planting | | | |
| • Identify the advantages and disadvantages of hybrid and open pollinated variety corns | | | |
| • Identify the use of warranty tags and BPI (Bureau of Plant Industry) tags in corn seeds | | | |
| • Conduct germination test using either ragdoll, seed box or seed plot methods | | | |
| • Compute percentage of seed germination percentage and total seed required | | | |
| • Discuss actions to be taken if germination rate falls below standard | | | |
| CARRY-OUT CROP ESTABLISHMENT | | | |
| • Describe the field conditions which indicates that it is ready for planting | | | |
| • Demonstrate direct seeding operation using conventional method and farmalite | | | |
| • Identify documentary requirements when applying for crop insurance * | | | |
| MANAGE CROP | | | |
| • Identify methods of assessing soil fertility * | | | |

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| • Compute amount of fertilizer, ammonium phosphate and urea based on given information * | | |
| • Discuss the effect of excessive or lack of water on the growth of corn and its control measures | | |
| • Identify pests/diseases and recommend control measures * | | |
| • Distinguish damages caused by biotic stresses (pest/diseases) and abiotic (extreme environmental condition and nutritional deficiency) * | | |
| • Identify the insect-pest, the damage it causes and how to prevent the damage * | | |
| • Practice safety measures according to work safety standards * | | |
| I agree to undertake assessment with 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. | | |
| Candidate's Name & Signature | Date | |

*Critical Aspects of Competency

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SELF ASSESSMENT GUIDE

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| Qualification: | GRAINS PRODUCTION NC II (Corn) | | |
| Certificate of Competency (COC 2): | Perform Land Preparation | | |
| Instruction: | | | |
| <ul style="list-style-type: none"> Read each question and check the appropriate column to indicate your answer. | | | |
| Can I? | YES | NO | |
| <ul style="list-style-type: none"> Perform land cleaning activities according to site requirements * | | | |
| <ul style="list-style-type: none"> Prepare tools, materials and equipment for land preparation * | | | |
| <ul style="list-style-type: none"> Identify information to be gathered before negotiating with machinery provider * | | | |
| <ul style="list-style-type: none"> Describe dry tillage operation practices * | | | |
| <ul style="list-style-type: none"> Demonstrate construction of contour for sloping areas using A-frame, according to industry standard procedures * | | | |
| <ul style="list-style-type: none"> Discuss proper practices on disposal of biodegradable waste * | | | |
| <ul style="list-style-type: none"> Prepare records after tillage operation, according to workplace procedures * | | | |
| <ul style="list-style-type: none"> Practice safety measures according to work safety standards * | | | |
| I agree to undertake assessment with 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. | | | |
| Candidate's Name & Signature | | Date | |

*Critical Aspects of Competency

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SELF ASSESSMENT GUIDE

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| Qualification: | GRAINS PRODUCTION NC II (Corn) | | |
| Certificate of Competency (COC 3): | Conduct Harvest and Post- Harvest Operations | | |
| Instruction: | | | |
| <ul style="list-style-type: none"> Read each question and check the appropriate column to indicate your answer. | | | |
| Can I? | YES | NO | |
| <ul style="list-style-type: none"> Determine crop maturity based on physiological growth and physical indicators * | | | |
| <ul style="list-style-type: none"> Enumerate obstructions to be removed from the field for efficient harvesting * | | | |
| <ul style="list-style-type: none"> Enumerate tools, materials and equipment needed in harvesting and post-harvest operations * | | | |
| <ul style="list-style-type: none"> Identify information to be gathered before negotiating with service provider/s * | | | |
| <ul style="list-style-type: none"> Demonstrate manual harvesting methods, according to industry * | | | |
| <ul style="list-style-type: none"> Explain strategies to reduce post-harvest losses * | | | |
| <ul style="list-style-type: none"> Demonstrate proper drying and handling of harvested corn ears * | | | |
| <ul style="list-style-type: none"> Demonstrate packaging of dried corn grains * | | | |
| <ul style="list-style-type: none"> Practice proper wastes disposal after harvest and post-harvest activities, following environmental rules and regulations * | | | |
| <ul style="list-style-type: none"> Identify strategies in marketing harvests * | | | |
| <ul style="list-style-type: none"> Practice safety measures according to work safety standards * | | | |
| I agree to undertake assessment with 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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*Critical Aspects of Competency

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SELF ASSESSMENT GUIDE

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|---|--|-----------|--|
| FULL Qualification: | GRAINS PRODUCTION NC II (Corn) | | |
| Units of Competency: | <ul style="list-style-type: none"> • Conduct variety and seed selection • Carry-out crop establishment • Manage crop • Perform Land Preparation • Conduct Harvest and Post-Harvest Operations | | |
| Instruction: | <ul style="list-style-type: none"> • Read each question and check the appropriate column to indicate your answer. | | |
| Can I? | YES | NO | |
| CONDUCT VARIETY AND SEED SELECTION | | | |
| • Identify soil types through soil characterization procedures | | | |
| • Select the best soil for growing corn | | | |
| • Identify what information about the site are determined before corn production * | | | |
| • State why seed selection is necessary before planting | | | |
| • Identify the advantages and disadvantages of hybrid and open pollinated variety corns | | | |
| • Identify the use of warranty tags and BPI (Bureau of Plant Industry) tags in corn seeds | | | |
| • Conduct germination test using either ragdoll, seed box or seed plot methods | | | |
| • Compute percentage of seed germination percentage and total seed required | | | |
| • Discuss actions to be taken if germination rate falls below standard | | | |
| CARRY-OUT CROP ESTABLISHMENT | | | |
| • Describe the field conditions which indicates that it is ready for planting | | | |
| • Demonstrate direct seeding operation using conventional method and farmalite | | | |
| • Identify documentary requirements when applying for crop insurance * | | | |
| MANAGE CROP | | | |
| • Identify methods of assessing soil fertility * | | | |

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| <ul style="list-style-type: none"> • Compute amount of fertilizer, ammonium phosphate and urea based on given information * | | |
| <ul style="list-style-type: none"> • Discuss the effect of excessive or lack of water on the growth of corn and its control measures | | |
| <ul style="list-style-type: none"> • Identify pests/diseases and recommend control measures * | | |
| <ul style="list-style-type: none"> • Distinguish damages caused by biotic stresses (pest/diseases) and abiotic (extreme environmental condition and nutritional deficiency) * | | |
| <ul style="list-style-type: none"> • Identify the insect-pest, the damage it causes and how to prevent the damage * | | |
| <ul style="list-style-type: none"> • Practice safety measures according to work safety standards * | | |
| PERFORM LAND PREPARATION | | |
| <ul style="list-style-type: none"> • Perform land cleaning activities according to site requirements * | | |
| <ul style="list-style-type: none"> • Prepare tools, materials and equipment for land preparation * | | |
| <ul style="list-style-type: none"> • Identify information to be gathered before negotiating with machinery provider * | | |
| <ul style="list-style-type: none"> • Describe dry tillage operation practices * | | |
| <ul style="list-style-type: none"> • Demonstrate construction of contour for sloping areas using A-frame, according to industry standard procedures * | | |
| <ul style="list-style-type: none"> • Discuss proper practices on disposal of biodegradable waste * | | |
| <ul style="list-style-type: none"> • Prepare records after tillage operation, according to workplace procedures * | | |
| <ul style="list-style-type: none"> • Practice safety measures according to work safety standards * | | |
| CONDUCT HARVEST AND POST-HARVEST OPERATIONS | | |

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| • Determine crop maturity based on physiological growth and physical indicators * | | |
| • Enumerate obstructions to be removed from the field for efficient harvesting * | | |
| • Enumerate tools, materials and equipment needed in harvesting and post-harvest operations * | | |
| • Identify information to be gathered before negotiating with service provider/s * | | |
| • Demonstrate manual harvesting methods, according to industry * | | |
| • Explain strategies to reduce post-harvest losses * | | |
| • Demonstrate proper drying and handling of harvested corn ears * | | |
| • Demonstrate packaging of dried corn grains * | | |
| • Practice proper wastes disposal after harvest and post-harvest activities, following environmental rules and regulations * | | |
| • Identify strategies in marketing harvests * | | |
| • Practice safety measures according to work safety standards * | | |
| I agree to undertake assessment with 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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