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## SELF ASSESSMENT GUIDE

|   |   |           |  |
|---|---|-----------|--|
| <b>Qualification:</b>   | GRAINS PRODUCTION NC II (Rice)  |           |  |
| <b>Certificate of Competency (COC 1):</b>   | Manage Grains Production  |           |  |
| <b>Unit(s) of Competency Covered:</b>   | <ul style="list-style-type: none"> <li>• Conduct variety and seed selection</li> <li>• Carry-out crop establishment</li> <li>• Manage crop</li> </ul> |           |  |
| <b>Instruction:</b>   | <ul style="list-style-type: none"> <li>• Read each question and check the appropriate column to indicate your answer.</li> </ul>                      |           |  |
| <b>Can I?</b>   | <b>YES</b>  | <b>NO</b> |  |
| <b>CONDUCT VARIETY AND SEED SELECTION</b>   |   |           |  |
| • Identify soil types through soil characterization procedures  |   |           |  |
| • Identify what information about the site are determined before rice production *  |   |           |  |
| • Match rice varieties suitable to specific sites *   |   |           |  |
| • Identify classes and characteristics of quality seeds based on Philippine Laboratory Standard for Seeds Certification * |   |           |  |
| • Conduct germination test using ragdoll method according to established procedure  |   |           |  |
| <b>CARRY-OUT CROP ESTABLISHMENT</b>   |   |           |  |
| • Describe the 2 general steps in germinating seeds *   |   |           |  |
| • Describe proper handling of germinated seeds and transporting it to sowing site, following industry standards           |   |           |  |
| • Describe the field conditions which indicates that it is ready for direct seeding operation                             |   |           |  |
| • Perform direct seeding operation using selected method and needed tools, materials and equipment *                      |   |           |  |
| • Describe the conditions of a good seedbed site  |   |           |  |
| • Prepare seedbed following industry standards and using appropriate tools, material and equipment                        |   |           |  |
| • Sow seeds following industry standards  |   |           |  |
| • Transplant seedling following industry standards *  |   |           |  |
| • Identify documentary requirements when applying for crop insurance *  |   |           |  |

| <b>MANAGE CROP</b>   |             |  |
|--|-------------|--|
| • Identify methods of assessing soil fertility *   |             |  |
| • Compute amount of fertilizer based on industry recommendations *   |             |  |
| • Discuss the effect of excessive or lack of water on the growth of rice   |             |  |
| • Identify pests/diseases, assess severity of damage and recommend control measures *  |             |  |
| • Distinguish damages caused by pest/diseases (biotic stresses) and extreme environmental condition (abiotic stresses) *   |             |  |
| • Describe the conditions of a good seed purification site *   |             |  |
| • 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. |             |  |
| <b>Candidate's Name &amp; Signature</b>  | <b>Date</b> |  |

\*Critical Aspects of Competency

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**SELF ASSESSMENT GUIDE**

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| <b>Qualification:</b>  | GRAINS PRODUCTION NC II (Rice) |             |  |
| <b>Certificate of Competency (COC 2):</b>  | Perform Land Preparation       |             |  |
| <b>Instruction:</b>  |                                |             |  |
| <ul style="list-style-type: none"> <li>Read each question and check the appropriate column to indicate your answer.</li> </ul>   |                                |             |  |
| <b>Can I?</b>  | <b>YES</b>                     | <b>NO</b>   |  |
| <ul style="list-style-type: none"> <li>Perform land cleaning activities according to site requirements *</li> </ul>  |                                |             |  |
| <ul style="list-style-type: none"> <li>Prepare tools, materials and equipment for land preparation *</li> </ul>  |                                |             |  |
| <ul style="list-style-type: none"> <li>Identify information to be gathered before negotiating with machinery provider *</li> </ul>   |                                |             |  |
| <ul style="list-style-type: none"> <li>Describe tillage (dry, wet or combination of wet and dry) operation practices depending on the workplace ecosystem *</li> </ul>   |                                |             |  |
| <ul style="list-style-type: none"> <li>Conduct construction and repair of dikes according to industry standard procedures *</li> </ul>   |                                |             |  |
| <ul style="list-style-type: none"> <li>Practice proper wastes disposal after tillage operation, following environmental rules and regulations *</li> </ul>   |                                |             |  |
| <ul style="list-style-type: none"> <li>Prepare records after tillage operation, according to workplace procedures *</li> </ul>   |                                |             |  |
| <ul style="list-style-type: none"> <li>Practice safety measures according to work safety standards *</li> </ul>  |                                |             |  |
| 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. |                                |             |  |
| <b>Candidate's Name &amp; Signature</b>  |                                | <b>Date</b> |  |

\* **Critical Aspects of Competency**

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**SELF ASSESSMENT GUIDE**

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| <b>Qualification:</b>  | GRAINS PRODUCTION NC II (Rice)              |             |  |
| <b>Certificate of Competency (COC 3):</b>  | Conduct Harvest and Post-Harvest Operations |             |  |
| <b>Instruction:</b>  |   |             |  |
| <ul style="list-style-type: none"> <li>Read each question and check the appropriate column to indicate your answer.</li> </ul>   |   |             |  |
| <b>Can I?</b>  | <b>YES</b>                                  | <b>NO</b>   |  |
| <ul style="list-style-type: none"> <li>Identify crop maturity based on physiological growth and physical indicators *</li> </ul>   |   |             |  |
| <ul style="list-style-type: none"> <li>Verify maturity of rice to be harvested based on agronomic, physiological and physical characteristics *</li> </ul>   |   |             |  |
| <ul style="list-style-type: none"> <li>Explain importance of draining rice field and of weather condition monitoring *</li> </ul>  |   |             |  |
| <ul style="list-style-type: none"> <li>Enumerate obstructions to be removed from the field for efficient harvesting *</li> </ul>   |   |             |  |
| <ul style="list-style-type: none"> <li>Enumerate tools, materials and equipment needed in harvesting and post-harvest operations *</li> </ul>  |   |             |  |
| <ul style="list-style-type: none"> <li>Identify information to be gathered before negotiating with machinery provider *</li> </ul>   |   |             |  |
| <ul style="list-style-type: none"> <li>Demonstrate manual harvesting methods, using suitable tools and materials *</li> </ul>  |   |             |  |
| <ul style="list-style-type: none"> <li>Explain strategies to reduce post-harvest losses *</li> </ul>   |   |             |  |
| <ul style="list-style-type: none"> <li>Demonstrate proper handling and packaging of rice according to variety and destination *</li> </ul>   |   |             |  |
| <ul style="list-style-type: none"> <li>Describe proper storage of bags of Palay *</li> </ul>   |   |             |  |
| <ul style="list-style-type: none"> <li>Practice proper wastes disposal after harvest and post-harvest activities, following environmental rules and regulations *</li> </ul>   |   |             |  |
| <ul style="list-style-type: none"> <li>Identify strategies in marketing harvests *</li> </ul>  |   |             |  |
| <ul style="list-style-type: none"> <li>Practice safety measures according to OSH Standards *</li> </ul>  |   |             |  |
| 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. |   |             |  |
| <b>Candidate's Name &amp; Signature</b>  |   | <b>Date</b> |  |

**\*Critical Aspects of Competency**

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## SELF ASSESSMENT GUIDE

|   |  |           |  |
|---|--|-----------|--|
| <b>FULL Qualification:</b>  | GRAINS PRODUCTION NC II (Rice)   |           |  |
| <b>Unit(s) of Competency:</b>   | <ul style="list-style-type: none"> <li>• Conduct variety and seed selection</li> <li>• Carry-out crop establishment</li> <li>• Manage crop</li> <li>• Perform land preparation</li> <li>• Conduct Harvest and Post-Harvest Operations</li> </ul> |           |  |
| <b>Instruction:</b>   | <ul style="list-style-type: none"> <li>• Read each question and check the appropriate column to indicate your answer.</li> </ul>   |           |  |
| <b>Can I?</b>   | <b>YES</b>   | <b>NO</b> |  |
| <b>CONDUCT VARIETY AND SEED SELECTION</b>   |  |           |  |
| • Identify soil types through soil characterization procedures  |  |           |  |
| • Identify what information about the site are determined before rice production *  |  |           |  |
| • Match rice varieties suitable to specific sites *   |  |           |  |
| • Identify classes and characteristics of quality seeds based on Philippine Laboratory Standard for Seeds Certification * |  |           |  |
| • Conduct germination test using ragdoll method according to established procedure  |  |           |  |
| <b>CARRY-OUT CROP ESTABLISHMENT</b>   |  |           |  |
| • Describe the 2 general steps in germinating seeds *   |  |           |  |
| • Describe proper handling of germinated seeds and transporting it to sowing site, following industry standards           |  |           |  |
| • Describe the field conditions which indicates that it is ready for direct seeding operation                             |  |           |  |
| • Perform direct seeding operation using selected method and needed tools, materials and equipment *                      |  |           |  |
| • Describe the conditions of a good seedbed site  |  |           |  |
| • Prepare seedbed following industry standards and using appropriate tools, material and equipment                        |  |           |  |
| • Sow seeds following industry standards  |  |           |  |
| • Transplant seedling following industry standards *  |  |           |  |
| • Identify documentary requirements when applying for crop insurance *  |  |           |  |

| <b>MANAGE CROP</b>   |  |  |
|--|--|--|
| • Identify methods of assessing soil fertility *   |  |  |
| • Compute amount of fertilizer based on industry recommendations *   |  |  |
| • Discuss the effect of excessive or lack of water on the growth of rice   |  |  |
| • Identify pests/diseases, assess severity of damage and recommend control measures *                                    |  |  |
| • Distinguish damages caused by pest/diseases (biotic stresses) and extreme environmental condition (abiotic stresses) * |  |  |
| • Describe the conditions of a good seed purification site *   |  |  |
| • Practice safety measures according to work safety standards *  |  |  |
| <b>PERFORM LAND PREPARATION</b>  |  |  |
| • Perform land cleaning activities according to site requirements *  |  |  |
| • Prepare tools, materials and equipment for land preparation *  |  |  |
| • Identify information to be gathered before negotiating with machinery provider *                                       |  |  |
| • Describe tillage (dry, wet or combination of wet and dry) operation practices depending on the workplace ecosystem *   |  |  |
| • Conduct construction and repair of dikes according to industry standard procedures *                                   |  |  |
| • Practice proper wastes disposal after tillage operation, following environmental rules and regulations *               |  |  |
| • Prepare records after tillage operation, according to workplace procedures *   |  |  |
| • Practice safety measures according to work safety standards *  |  |  |
| <b>CONDUCT HARVEST AND POST-HARVEST OPERATIONS</b>   |  |  |
| • Identify crop maturity based on physiological growth and physical indicators *   |  |  |
| • Verify maturity of rice to be harvested based on agronomic, physiological and physical characteristics *               |  |  |
| • Explain importance of draining rice field and of weather condition monitoring *  |  |  |
| • 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 machinery provider *                                       |  |  |
| • Demonstrate manual harvesting methods, using suitable tools and materials *  |  |  |

|  |  |             |
|--|--|-------------|
| • Explain strategies to reduce post-harvest losses *   |  |             |
| • Demonstrate proper handling and packaging of rice according to variety and destination *   |  |             |
| • Describe proper storage of bags of Palay *   |  |             |
| • 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 OSH 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. |  |             |
| <b>Candidate's Name &amp; Signature</b>  |  | <b>Date</b> |

***\*Critical Aspects of Competency***