

**Rice (*Oryza sativa* L.)**

Crop Code: R03

- |          |   |                 |    |
|----------|---|-----------------|----|
| <b>1</b> | <b>Early plant vigour</b><br>To be recorded after 15 days of transplanting.   | <b>PLT_VGR</b>  |    |
|          | Poor  |                 | 1  |
|          | Good  |                 | 2  |
|          | Very good   |                 | 3  |
| <b>2</b> | <b>Coleoptile colour</b><br>To be recorded at 5 to 10 days seedling exposure to light                                     | <b>COLE_CLR</b> |    |
|          | Green   |                 | 1  |
|          | Purple  |                 | 2  |
|          | Others (Specify in the REMARKS descriptor)  |                 | 99 |
| <b>3</b> | <b>Basal leaf sheath colour</b><br>To be recorded on the outer surface of the basal leaf sheath at late vegetative stage. | <b>LF_S_CLR</b> |    |
|          | Green   |                 | 1  |
|          | Purple lines  |                 | 2  |
|          | Light purple  |                 | 3  |
|          | Purple  |                 | 4  |
|          | Others (Specify in the REMARKS descriptor)  |                 | 99 |
| <b>4</b> | <b>Leaf blade colour</b><br>To be recorded at vegetative stage.   | <b>LF_CLR</b>   |    |
|          | Light green   |                 | 1  |
|          | Green   |                 | 2  |
|          | Dark green  |                 | 3  |
|          | Purple tips   |                 | 4  |
|          | Purple margins  |                 | 5  |
|          | Purple blotch (purple mixed with green)   |                 | 6  |
|          | Purple  |                 | 7  |
|          | Others (Specify in the REMARKS descriptor)  |                 | 99 |
| <b>5</b> | <b>Leaf pubescence</b><br>To be recorded at vegetative stage.   | <b>LF_PUB</b>   |    |
|          | Glabrous  |                 | 1  |
|          | Intermediate  |                 | 2  |
|          | Pubescent   |                 | 3  |
|          | Others (Specify in the REMARKS descriptor)  |                 | 99 |

- 6 Leaf length (cm)** **LF\_LT**  
To be measured on the topmost leaf below the flag leaf (average of 5 random plants).  
Quantitative
- 7 Leaf width (cm)** **LF\_WD**  
To be measured on the widest portion of the leaf blade just below the flag leaf (average of 5 random plants).  
Quantitative
- 8 Days to 50% flowering** **DAY\_FLW**  
To be recorded as the number of days from planting to the day when 50% of the plants in a row have flowered.  
Quantitative
- 9 Panicle exertion** **PAN\_EXER**  
To be recorded at the hard drought stage (20 days after flowering).  
Well exerted 1  
Moderate exerted 3  
Just exerted 5  
Partly exerted 7  
Enclosed 9  
Others (Specify in the "REMARKS" descriptor) 99
- 10 Stigma colour** **STIG\_CLR**  
To be recorded on spikelets at 50% flowering stage.  
White 1  
Light Green 2  
Yellow 3  
Light purple 4  
Purple 5  
Light purple 99
- 11 Apiculus colour** **APIC\_CLR**  
To be recorded on spikelets at dough stage.  
White 1  
Straw 2  
Brown 3  
Red 4  
Red apex 5  
Purple 6  
Purple apex 7  
Others (Specify in the REMARKS descriptor) 99

- 12 Number of effective tillers** **TILL\_EFF**  
To be recorded as number of panicle Bearing tillers.  
Quantitative
- 13 Plant height (cm)** **PLT\_HGT**  
To be recorded from the base of the plant above the ground up to the tip of the topmost spikelet (average of 5 plants).  
Quantitative
- 14 Panicle length (cm)** **PAN\_LT**  
To be measured from the neck to the tip of the mother tiller (average of 5 random plants).  
Quantitative
- 15 Panicle type** **PAN\_TYP**  
To be recorded near maturity (30 days after 50% flowering).
- |  |    |
|--|----|
| Absent                                       | 0  |
| Compact                                      | 1  |
| Intermediate                                 | 5  |
| Open   | 9  |
| Others (Specify in the "REMARKS" descriptor) | 99 |
- 16 Awning** **AWN**  
To be recorded 30 days after 50% flowering.
- |  |    |
|--|----|
| Short and partly awned                     | 1  |
| Short and fully awned                      | 5  |
| Long awned                                 | 7  |
| Long and fully awned                       | 9  |
| Others (Specify in the REMARKS descriptor) | 99 |
- 17 Days to maturity** **DAY\_MAT**  
To be recorded on 80% maturity.  
Quantitative
- 18 Seed coat colour (kernel colour)** **SED\_CLR**  
To be recorded when the seed is fully dried.
- |  |    |
|--|----|
| White                                      | 1  |
| Light Brown                                | 2  |
| Speckled Brown                             | 3  |
| Brown                                      | 4  |
| Red  | 5  |
| Variable purple                            | 6  |
| Purple                                     | 7  |
| Others (Specify in the REMARKS descriptor) | 99 |

- 19 Grain length width ratio** **GRN\_SIZ**  
To be recorded as ratio of length to breadth computed from 10 measurements.
- Quantitative
- 20 100 grain weight (g).** **SED\_WT**  
To be recorded as weight of hundred random seeds in grams (average of 5 random plants)
- Quantitative
- 21 Hull colour (husk colour)** **HULL\_CLR**  
To be recorded after harvesting.
- |  |    |
|--|----|
| Straw                                      | 1  |
| Golden                                     | 2  |
| Golden brown                               | 3  |
| Brown furrows on straw                     | 4  |
| Purple                                     | 5  |
| Purple furrows on straw                    | 6  |
| Brown (tawny)                              | 7  |
| Black                                      | 8  |
| Others (Specify in the REMARKS descriptor) | 99 |
- 22 Threshability** **THRESH**  
To be recorded at maturity.
- |  |    |
|--|----|
| Easy                                       | 1  |
| Intermediate                               | 2  |
| Difficult                                  | 3  |
| Others (Specify in the REMARKS descriptor) | 99 |
- 23 Aroma** **AROMA**  
To be recorded after hulling.
- |         |   |
|---------|---|
| Absent  | 0 |
| Present | 1 |
- 24 Grain yield per plant (g)** **GRN\_YLD**  
Average of 5 random plants.
- Quantitative

MINIMAL DESCRIPTORS OF AGRI-HORT. CROPS

25 Seedling Height(cm)	VALUE
26 Flag Leaf Angle	ERECT: 01 INTERMEDIATE: 03 HORIZONTAL: 05 DESCENDING: 07
27 Ligule Shape	ACUTE TO ACUMINATE: 01 CLEFT: 02 TRUNCATE: 03
28 Leaf Senescence	LATE & SLOW (leaves natural green): 01 INTERMEDIATE (yellow upper leaves): 05 EARLY & FAST (all yellow or dead): 09
29 Sterile lemma Colour	STRAW(yellow): 01 GOLD: 02 RED: 03 PURPLE: 04
30 Auricle Colour	LIGHT GREEN: 01 PURPLE: 02