|  |  |  |  |
| --- | --- | --- | --- |
| **Plant ID, growth condition, age, location, date of survey** | |  | |
| **General morphology** | | | |
| Plant height (cm) | | | |
|  | Shoot |  | |
|  | Root |  | |
| Internode length (cm) | |  | |
|  | #1 |  | |
|  | #2 |  | |
|  | #3 |  | |
|  | #4 |  | |
|  | #5 |  | |
|  | #6 |  | |
|  | #7 |  | |
| Leaf length (cm) #1 | |  | |
| #2 | |  | |
| #3 | |  | |
| Number of tillers | |  | |
| Number of sub-tillers | |  | |
| Shoot Weight (g) | | | |
|  | Fresh |  | |
|  | Dry |  | |
| Root weight (g) | | | |
|  | Fresh |  | |
|  | Dry |  | |
| **Additional notes:** | | | |
| **Leaf blade morphology** | | | |
| Color | Dark green | |  |
|  | Light green | |
|  | Yellow (chlorosis) | |
|  | Brown/black (necrosis) | |
|  | Purple | |
| Shape | Erect | |  |
|  | Wrinkled | |
|  | Curled | |
|  | Mottled | |
|  | Spotted | |
|  | Narrow | |
|  | Broad | |
| **Additional notes:** | | | |
| **Plant ID, growth condition, age, location,**  **Date of Survey** | |  | |
| **Flower morphology:** | | | |
| Time of flowering | | | |
|  | Early |  | |
|  | Late |  | |
| Inflorescence number | |  | |
| Inflorescence color | |  | |
| Seed weight (g) | |  | |
| **Additional notes:** | | | |
| **Molecular characteristics** | | | |
| Pathogen detection (Immunoblot, Northern, RT-PCR, ELISA etc.) |  | | |
|  | PMV |  | |
|  | SPMV |  | |
| **Metabolite analysis** | | | |
|  | Chlorophyll A | |  |
|  | Chlorophyll B | |  |
|  | Phenolics | |  |
|  | Reactive oxygen species | |  |
|  | Salicylic acid | |  |
|  | Jasmonic acid | |  |
| **Host gene expression changes:** | | | |
| **Additional notes:** | | | |