|  |  |
| --- | --- |
| **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:** |