Rose Rosette Disease Severity Scale:

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  |  | |  | | | |  |  |
| % Disease  (Severity/Incidence) | Horsfall-Barratt (H-B) | Midpoint | | | |  | | |  |
|  | | |  |
|  | | |  |
| 0 | 0 | 0 | | | |  | | |  |
| 0-3 | 1 | 1.5 | | | |  | | |  |
| 3-6 | 2 | 4.5 | | | |  | | |  |
| 6-12 | 3 | 9 | | | |  | | |  |
| 12-25 | 4 | 18.5 | | | |  | | |  |
| 25-50 | 5 | 37.5 | | | |  | | |  |
| 50-75 | 6 | 62.5 | | | |  | | |  |
| 75-88 | 7 | 81.5 | | | |  | | |  |
| 88-94 | 8 | 91 | | | |  | | |  |
| 94-97 | 9 | 96.5 | | | |  | | |  |
| 97-100 | 10 | 98.5 | | | |  | | |  |
| 100 | 11 | 100 | | | |  | | |  |
|  |  |  |  | |  | |  | | | |  |  |

The first column represents the % of disease that you think you see in one plant.

The middle column is the value you write on the datasheet for the % disease that you selected.

The last column is the value that you use when doing your calculations (it is the midpoint in the range of %, i.e. 0-3 has a midpoint of 1.5), such as when calculating the area under the disease progress curve (AUDPC) for your statistical analysis.

AUDPC calculation: <http://www.apsnet.org/EDCENTER/ADVANCED/TOPICS/ECOLOGYANDEPIDEMIOLOGYINR/DISEASEPROGRESS/Pages/AUDPC.aspx>