

Downy Mildew Scouting- Basal Spikes

Date: _____

Instructions:

Scout for disease on 1 out of every 25 plant for small growers, or 10 plants per acre for large growers. If you have multiple varieties, you may choose to scout each variety using the same method. Record the total number of plants scouted of each variety, the number of plants with basal spikes, the average number of basal spikes on each plant. If you find basal spikes, this indicates systemic infection. Remove spikes using sanitized equipment, if possible.

To use this scouting sheet, record the variety you are scouting and the total number of plants you will scout for that variety. If you have only one variety in your yard, just use space 1. As you scout your plants for basal spikes, tally the number of spikes you encounter, as well as the number of plants that have basal spikes. When you are finished, take the average for that variety.

Variety	# Plants Scouted	# of Plants with Basal Spikes	Total Number Basal Spikes
1.			
2.			
3.			
4.			
5.			
6.			
Yard Average:			

$$\text{Average \# per Plant} = \frac{\text{Total Basal Spikes}}{\text{\# Plants Scouted}}$$

$$\text{Yard Average} = \frac{\text{Var 1 Total Basal} + \text{Var 2 Total Basal} + \dots}{\text{Total Number Plants}}$$

Examples of Basal Spikes:

Basal spikes are usually pale yellow, with shortened internodes, and can show signs of desiccation.

