

2008 Wheat Variety Trials

The varieties shown in the graphs are those that were evaluated in the MSU Crop and Soil Sciences wheat variety trials in 2008. Complete information for the trials can be found at: www.css.msu.edu/varietytrials/wheat/Variety_Results.html

Reading the 2008 results graphs

Fusarium head blight (FHB) ratings are taken at the FHB nursery, which is inoculated with the fungus and irrigated.

FHB incidence, severity and index-ratings are typically taken at the soft dough stage.

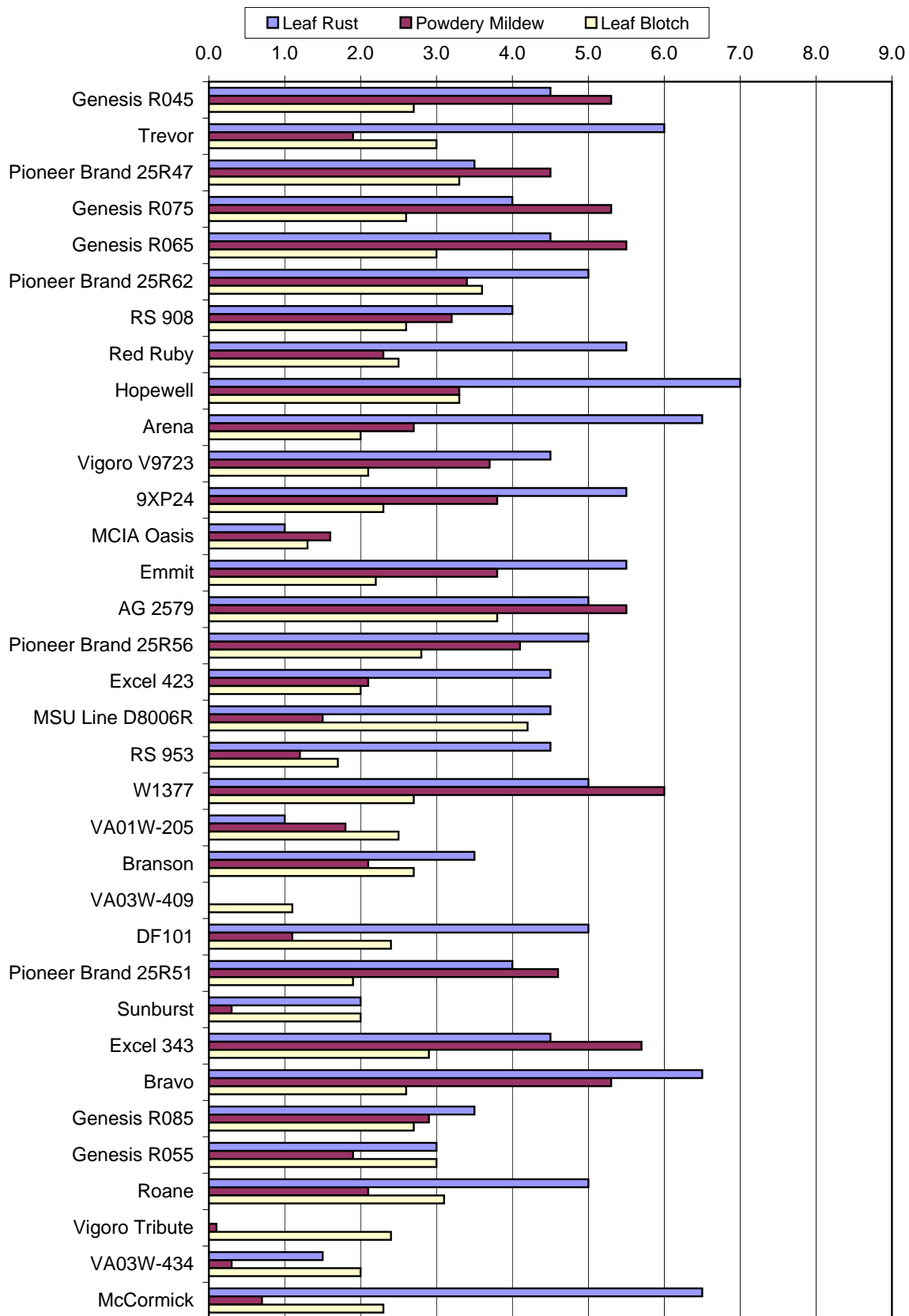
Incidence = the number of wheat heads infected in the sample taken. For instance, you check ten heads of wheat at ten locations in the field for a total of 100 heads and find that fifty of them show symptoms of head scab. Incidence = $(50/100) * 100 = 50\%$

Severity = the average percent of scab symptoms on an individual wheat head. Using the same 100 heads, you determine that on average, 20% of the head shows the bleached color associated with head scab. Severity = 20%

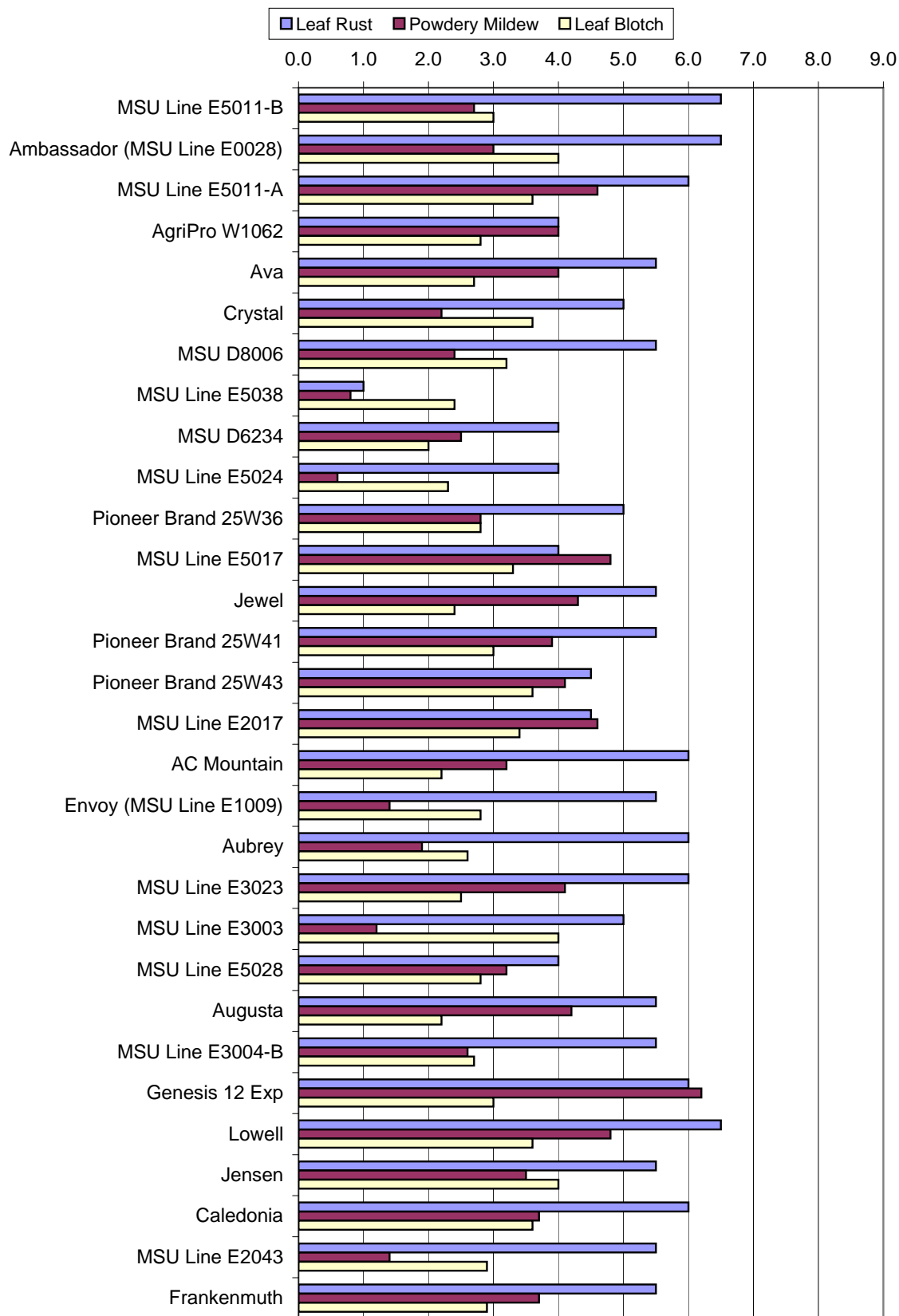
Index = incidence * severity Index is the same as field severity. Multiplying incidence x severity x 100 gives you the field severity rating (%). In the example shown, the field severity is 10%, the level generally used as a bench mark for an epidemic.

Ratings for foliar diseases are on a scale of 0-9 with 0 = no disease. Ratings for winter injury and sprouting are on a scale of 0-9 with 0 = no winter injury or no sprouting.

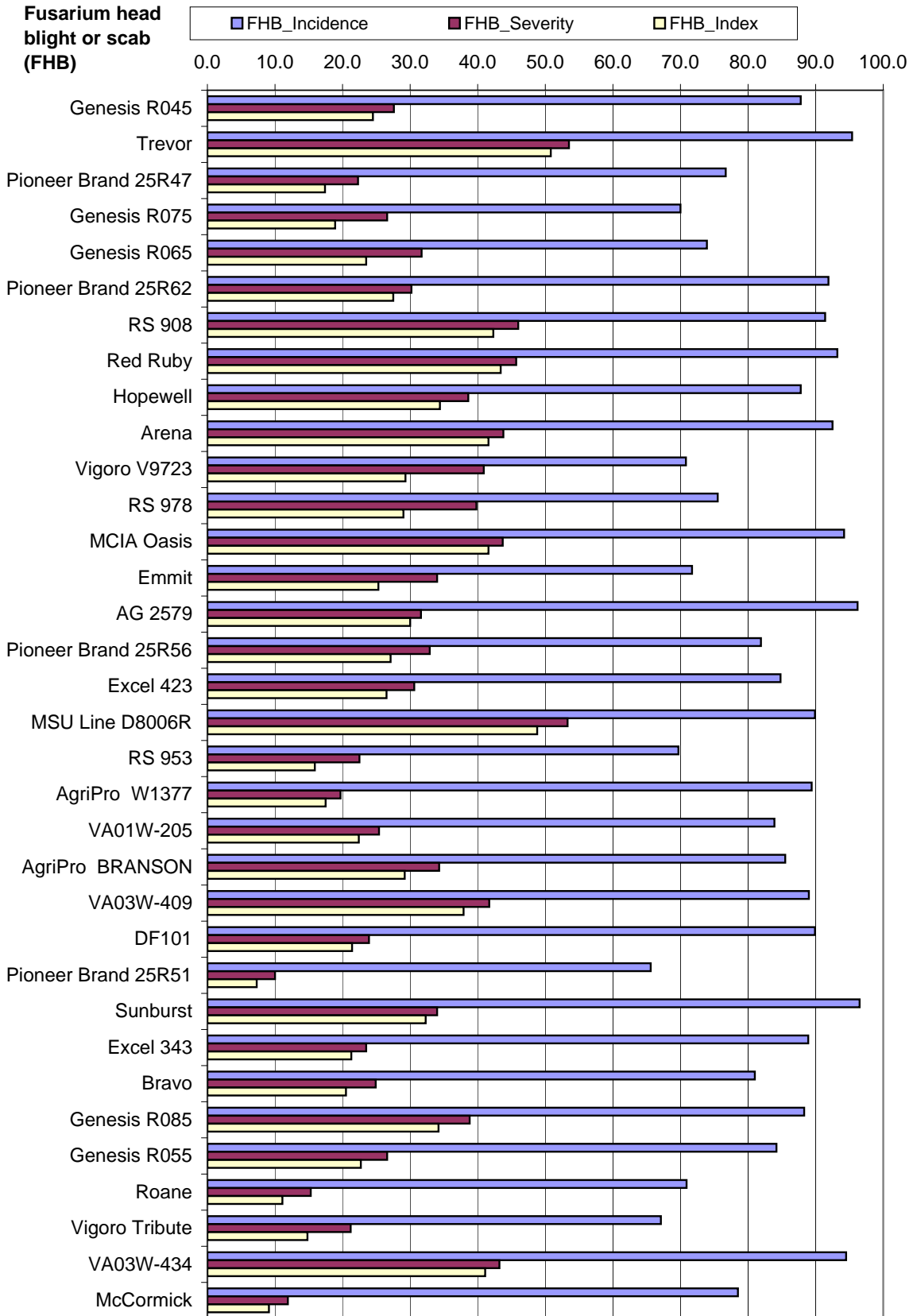
Red wheat varieties evaluated 2008



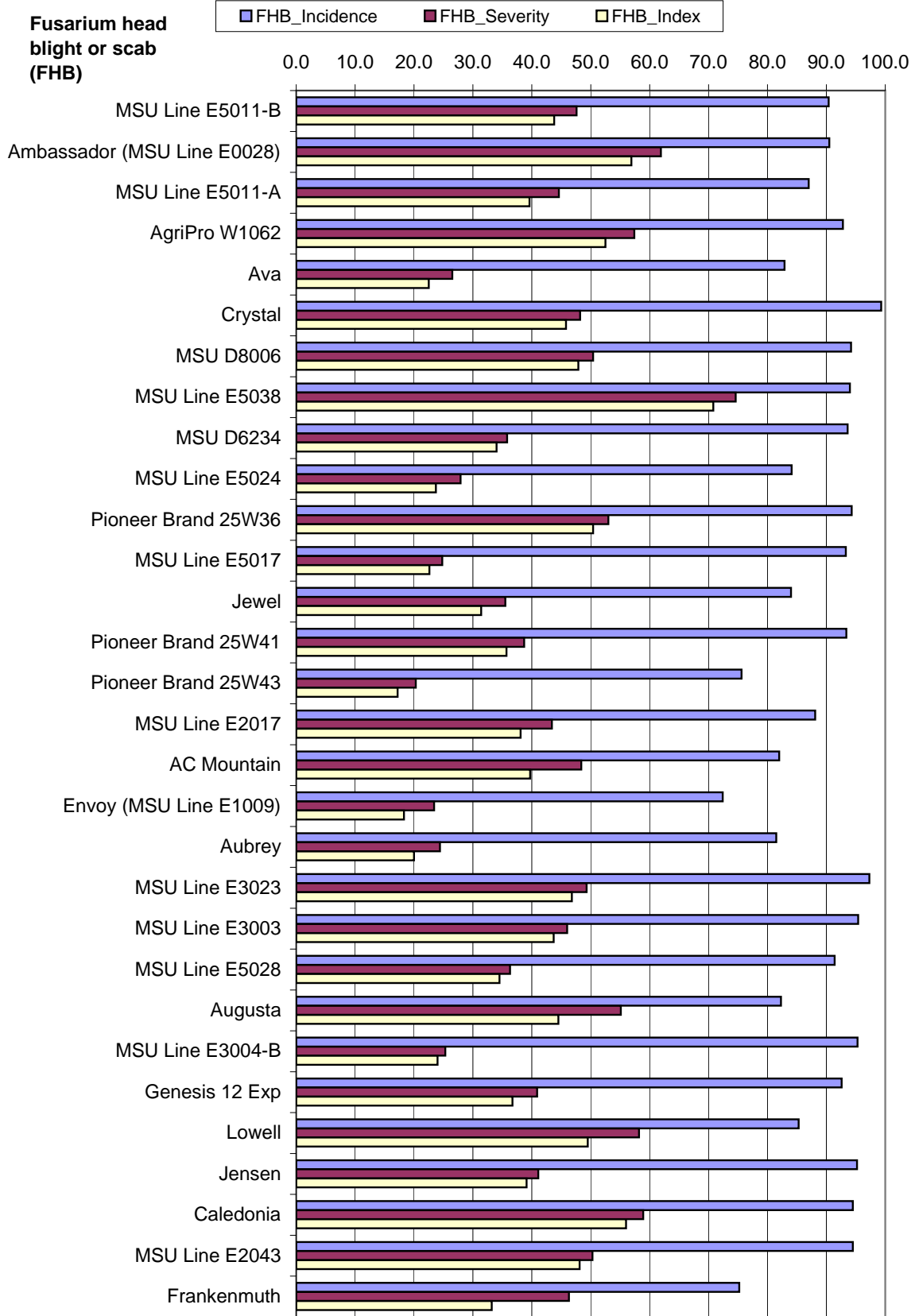
White wheat varieties evaluated 2008



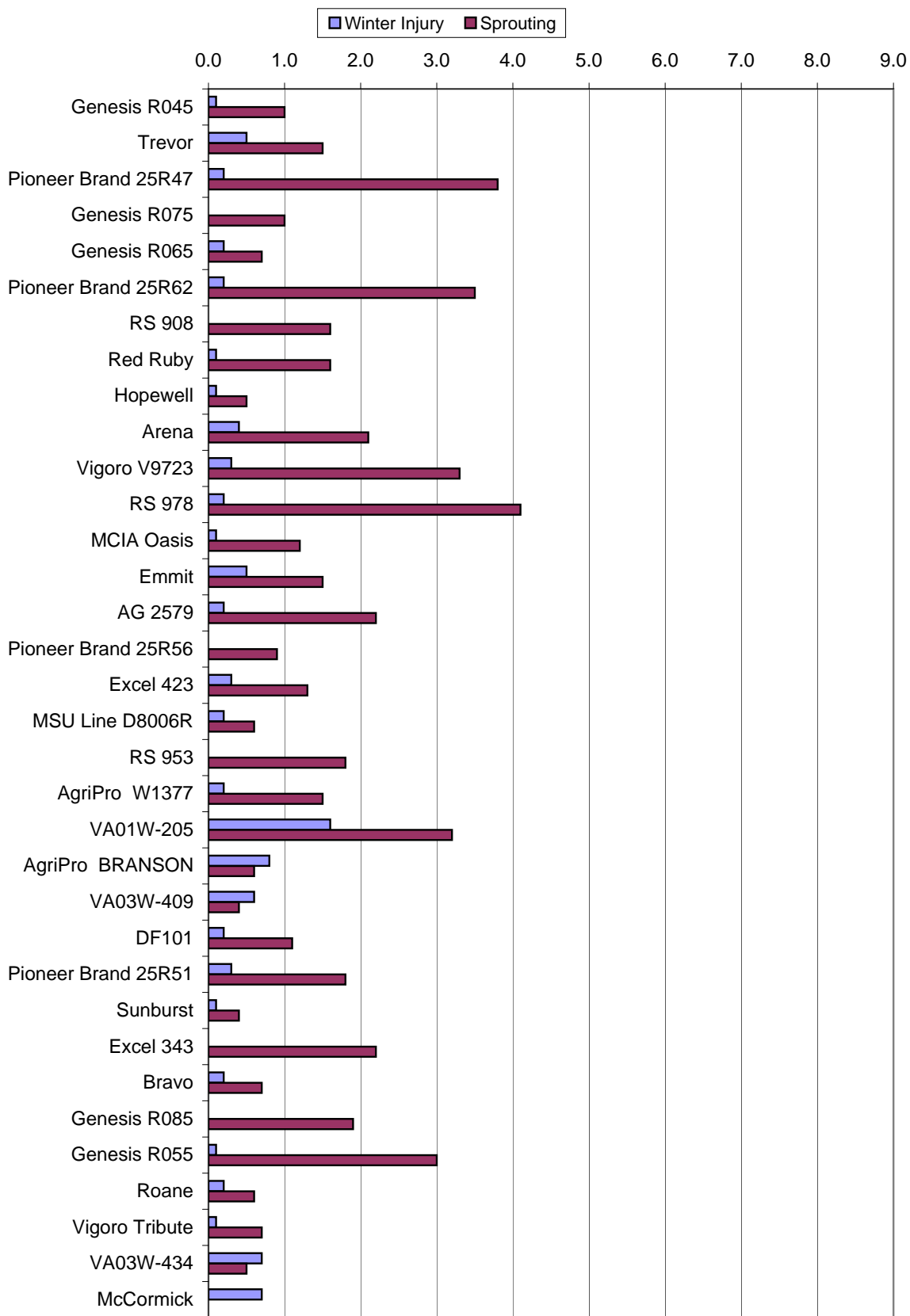
Red wheat varieties evaluated 2008



White wheat varieties evaluated 2008



Red wheat varieties evaluated 2008



White wheat varieties evaluated 2008

