

2025 *Fusarium oxysporum* f.sp. *lactucae* Field Trial Results

Trial and Analysis Description:

Wet Date: Sept. 17th

Trial Evaluation Date: Dec. 1st

Disease Severity (DS) was recorded by evaluating on a 0-to-4 disease severity scale 0 = symptomless plants; 1=slight chlorosis on outer leaves, stunting; 2 = more extensive chlorosis and stunting, in-slot varieties have stunted head; 3 = severe stunting, chlorosis, and no head formation; and 4 = remaining leaves are chlorotic and nearly dead, or plant is entirely dead. Mean DS was calculated by averaging 50 plants from each of the four replicates.

Marketable Heads (MH) was recorded as a plant having a head >5 inches and no symptomatic leaves on the head. Outer wrapper leaves may show symptoms.

Corky root disease and Sclerotinia were found in the trial field. The impact on disease severity rating has not been determined.

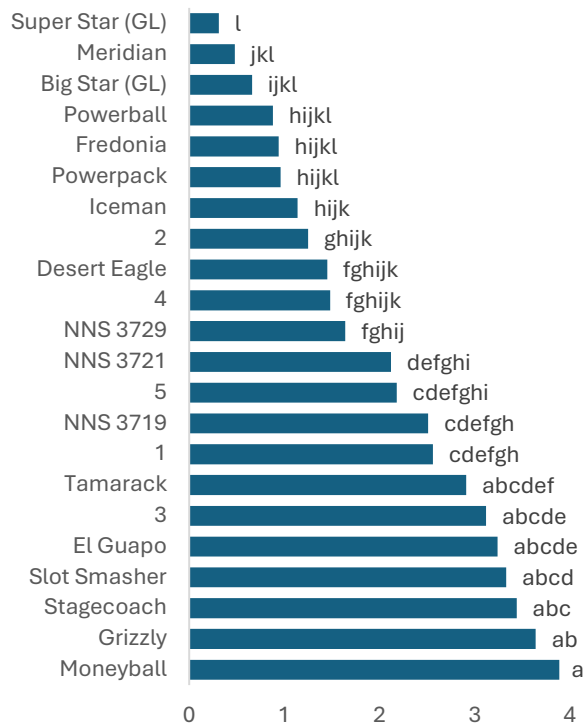
Some varieties had poor germination (e.g. Powerball). This was not due to seed quality or disease.

Please be aware that we have evaluated this trial and rapidly analyzed the data for the field day. Errors may have occurred with the analysis, please bring any observations to our attention so we may correct any errors.

Contact Stephanie Slinski (sslinski@arizona.edu), or Robert Masson (masson@arizona.edu) with any questions.

Thanks to JV Farms, especially Matt McGuire, Fatima Corona, Pablo Delgado and Chad VanMatre for trial support!

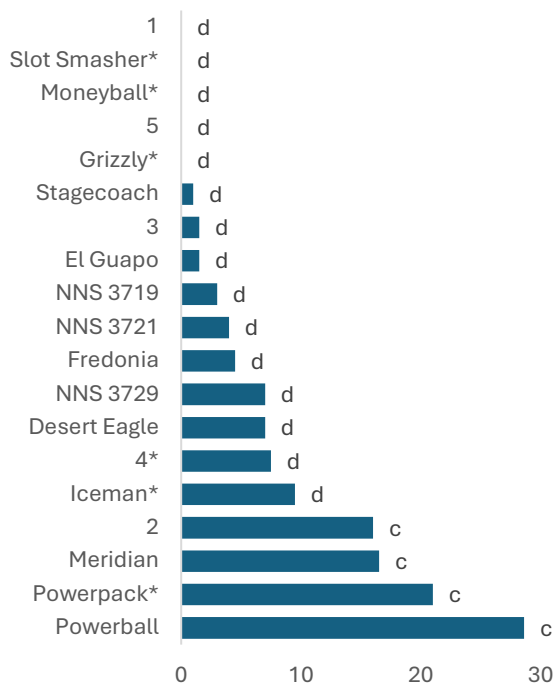
Iceberg Disease Severity



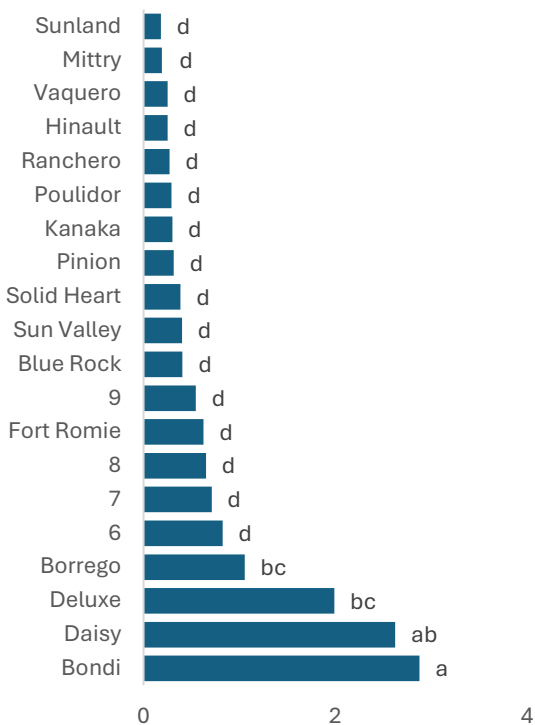
GL = Green Leaf Type

*Out of Slot

Percent Marketable Heads- Iceberg



Romaine Disease Severity



Percent Marketable Heads- Romaine

