



2021 Fusarium Wilt Field Day

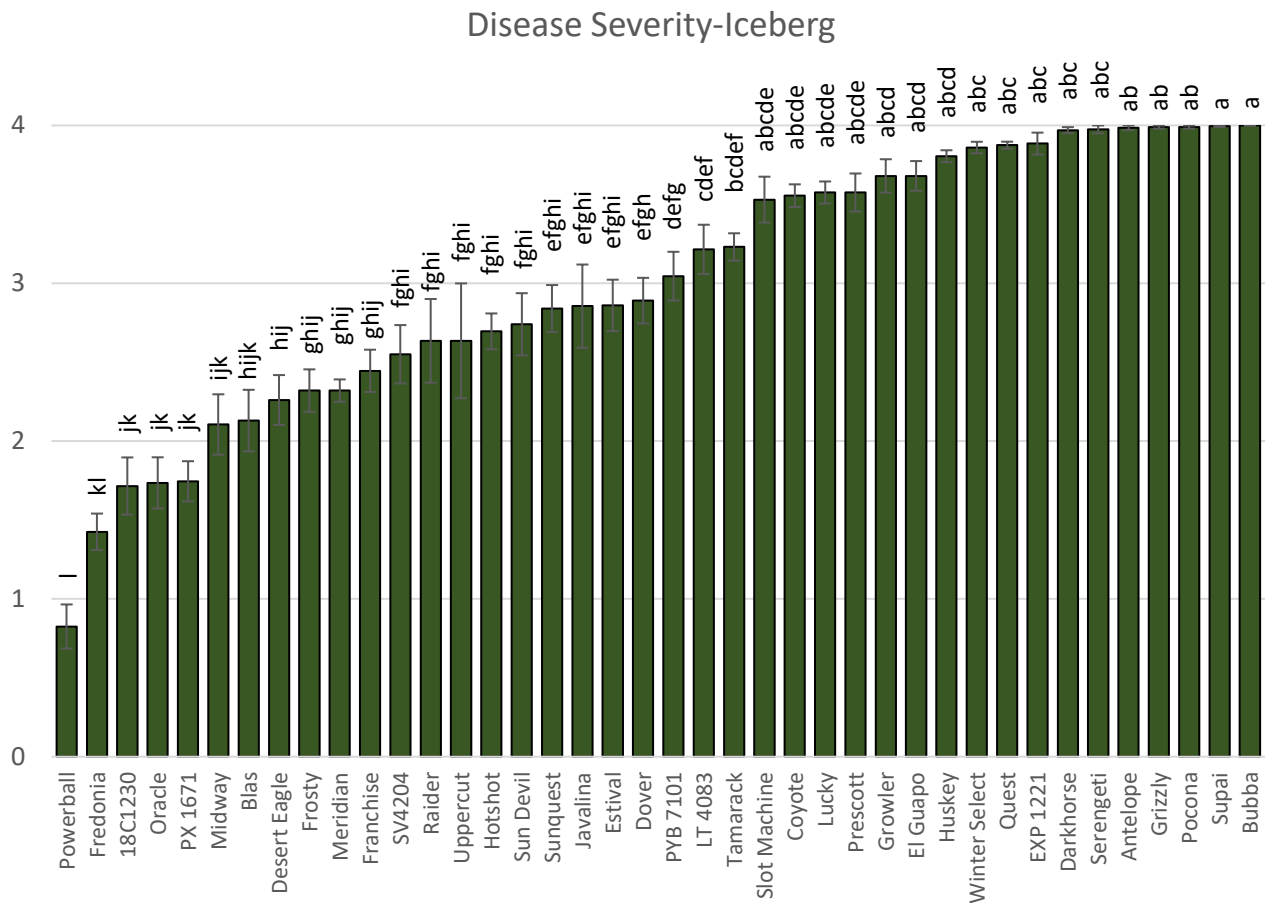
Fusarium wilt of lettuce, caused by the fungal pathogen *Fusarium oxysporum* f.sp. *lactucae*, is severely impacting productivity and thus, the competitiveness of the Arizona lettuce industry. Since 2015, the Yuma Center of Excellence for Desert Agriculture (YCEDA) has managed annual trials evaluating commercial and pre-commercial lettuce cultivars for resistance to *Fusarium* wilt. YCEDA is funded by the Specialty Crop Block Grant Program (SCBGP19-09) to conduct Fusarium wilt of lettuce field trials in 2020 and 2021. This year we evaluated 40 iceberg varieties and 38 romaine varieties. Below is the variety information and results

Iceberg Trial Results:

Wet date: 9/16/2020

Evaluation date: 12/01/2021

0-4 Disease index scale: 0 = No Disease, 4 = Dead or nearly dead

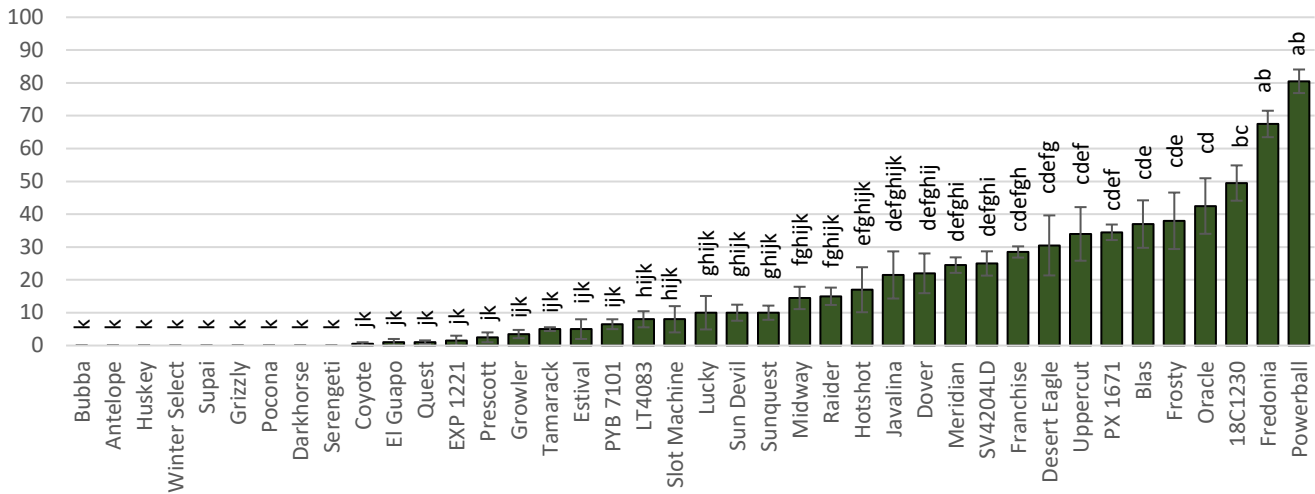


Error bars represent standard error

Means followed by same letter do not significantly differ ($P \leq 0.05$, Tukey's HSD)



Percent Marketable Heads-Iceberg



Romaine Trial Results:

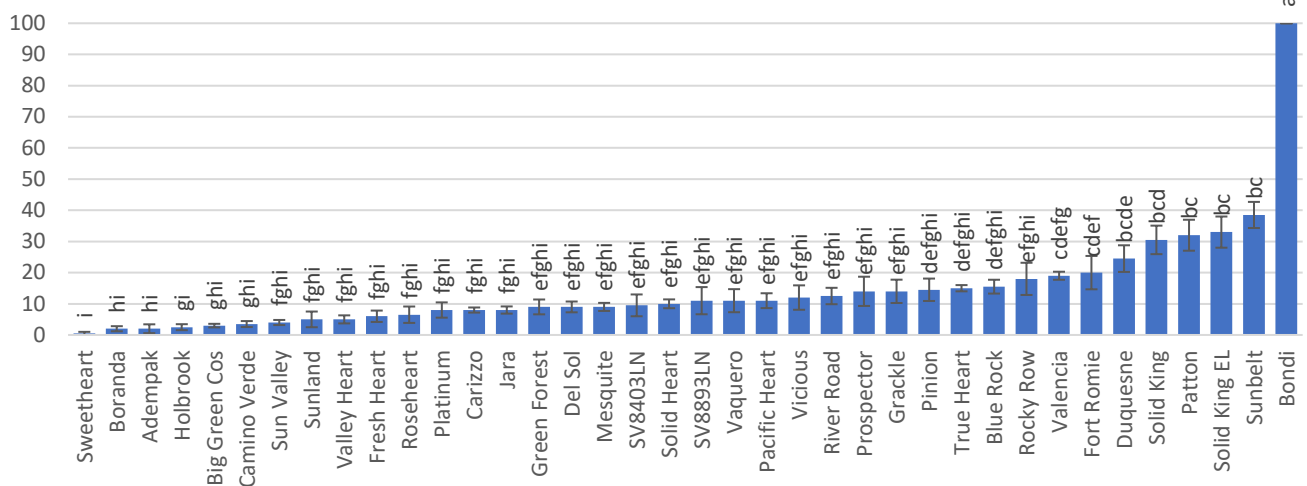
Wet date: 9/16/2020

Evaluation date: 12/01-12/02/2021

Percent Disease Incidence = Percent of plants with disease symptoms

Note: This takes into account stunting due to out-of-slot planting.
 All varieties had root discoloration.

Percent Disease Incidence-Romaine



Error bars represent standard error

Means followed by same letter do not significantly differ (P=≤0.05, Tukey's HSD)