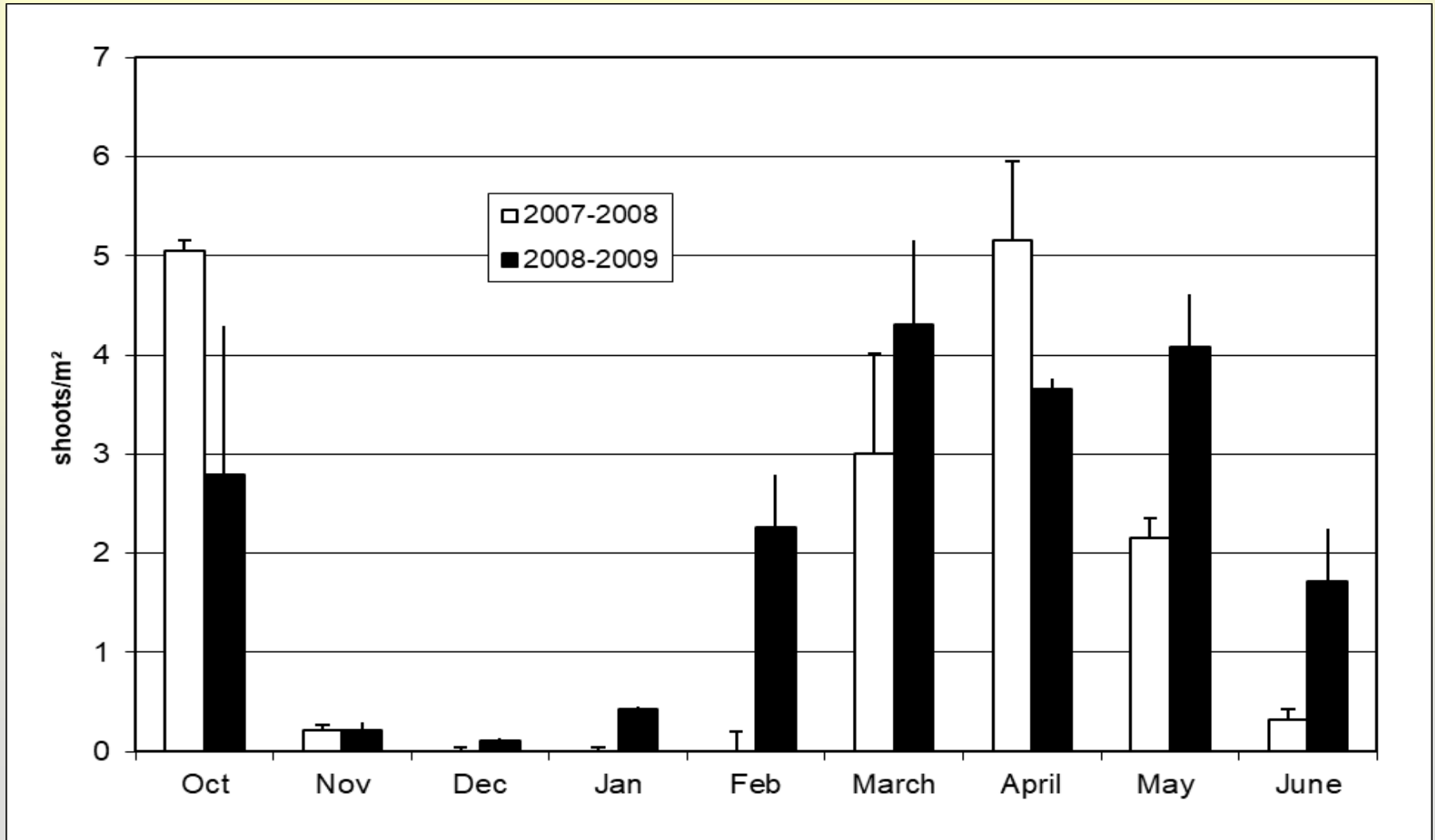


Yellow nutsedge management with Dual Magnum (S-metolachlor)



**Oleg Daugovish, Steve Fennimore, Juan Hernandez, Steve Imoto,
funding from USDA NIFA-SCRI and other collaborators and
contributors**

Nutsedge shoot germination at Oxnard, CA

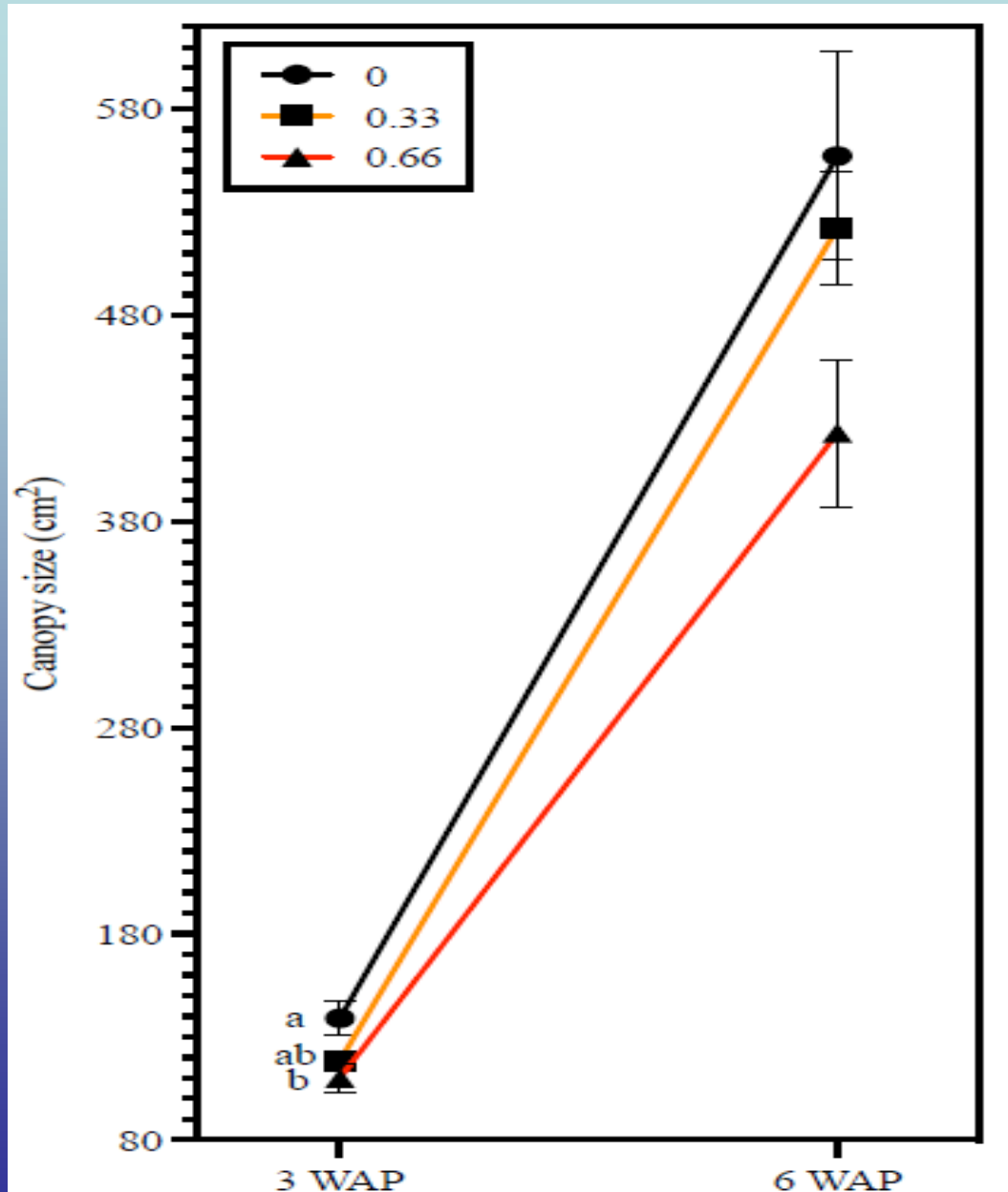




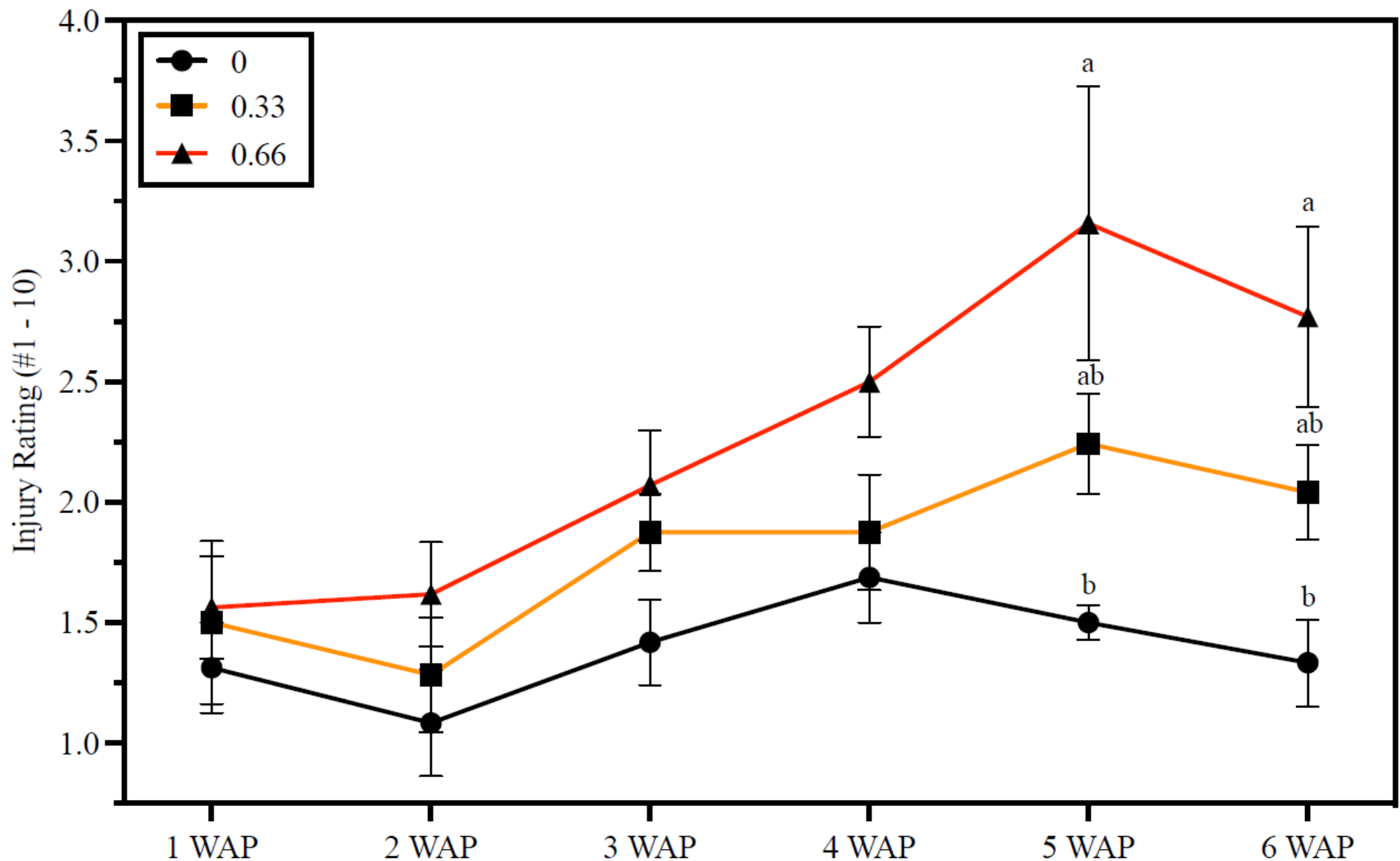
2021: Summer planting

- Dual Magnum at 0, 0.33 and 0.66 lbs a. i. /A
- TIF
- 35 Days before transplanting
- Crop performance and injury

2021 Summer planting: plant sizes



2021 Summer planting: injury 1 (none)-10 (dead)



Untreated



DM 0.33 lb a.i. /A



Untreated



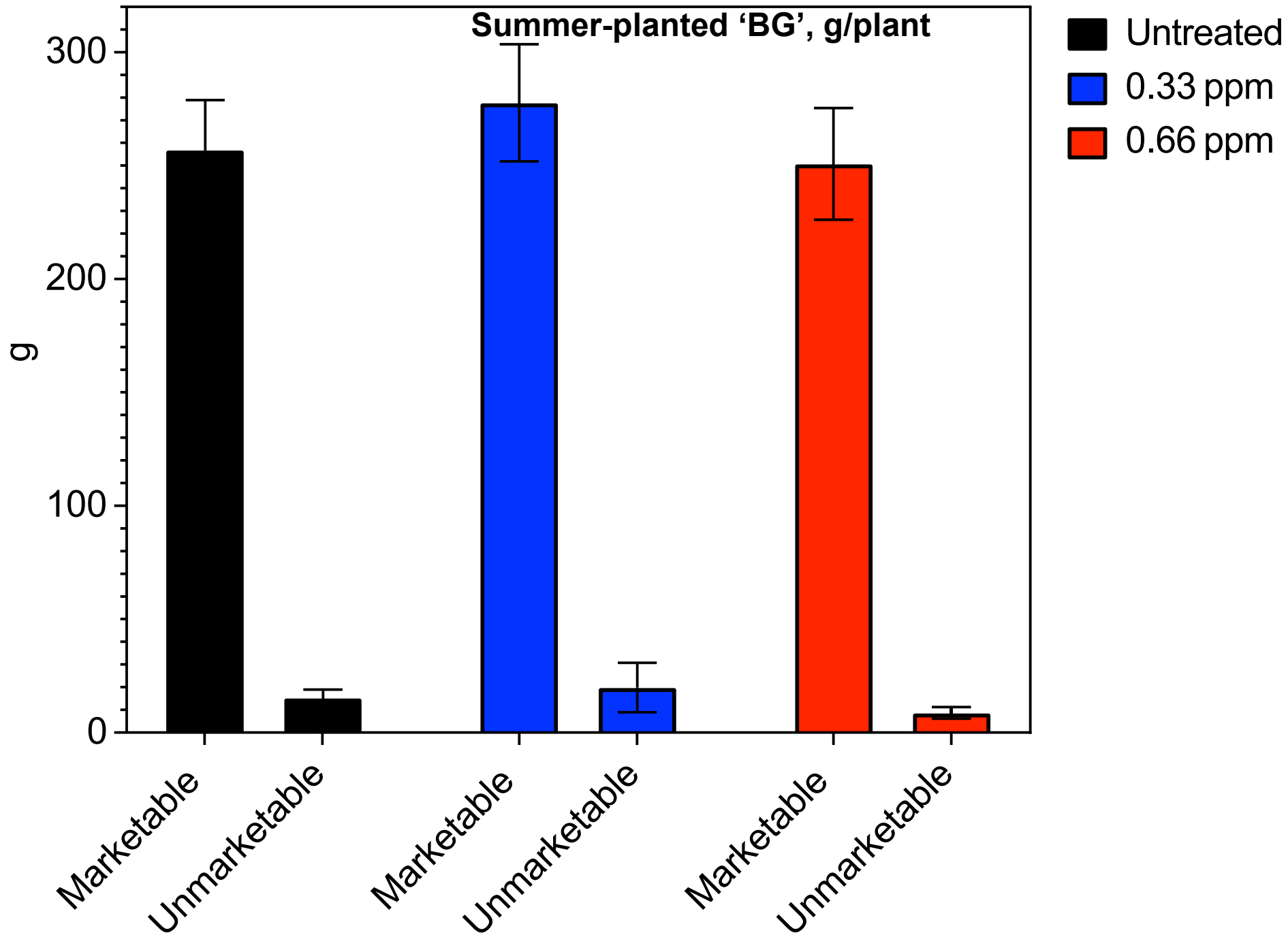
DM 0.66 lb a.i. /A



DM 0.66 lb a.i. /A

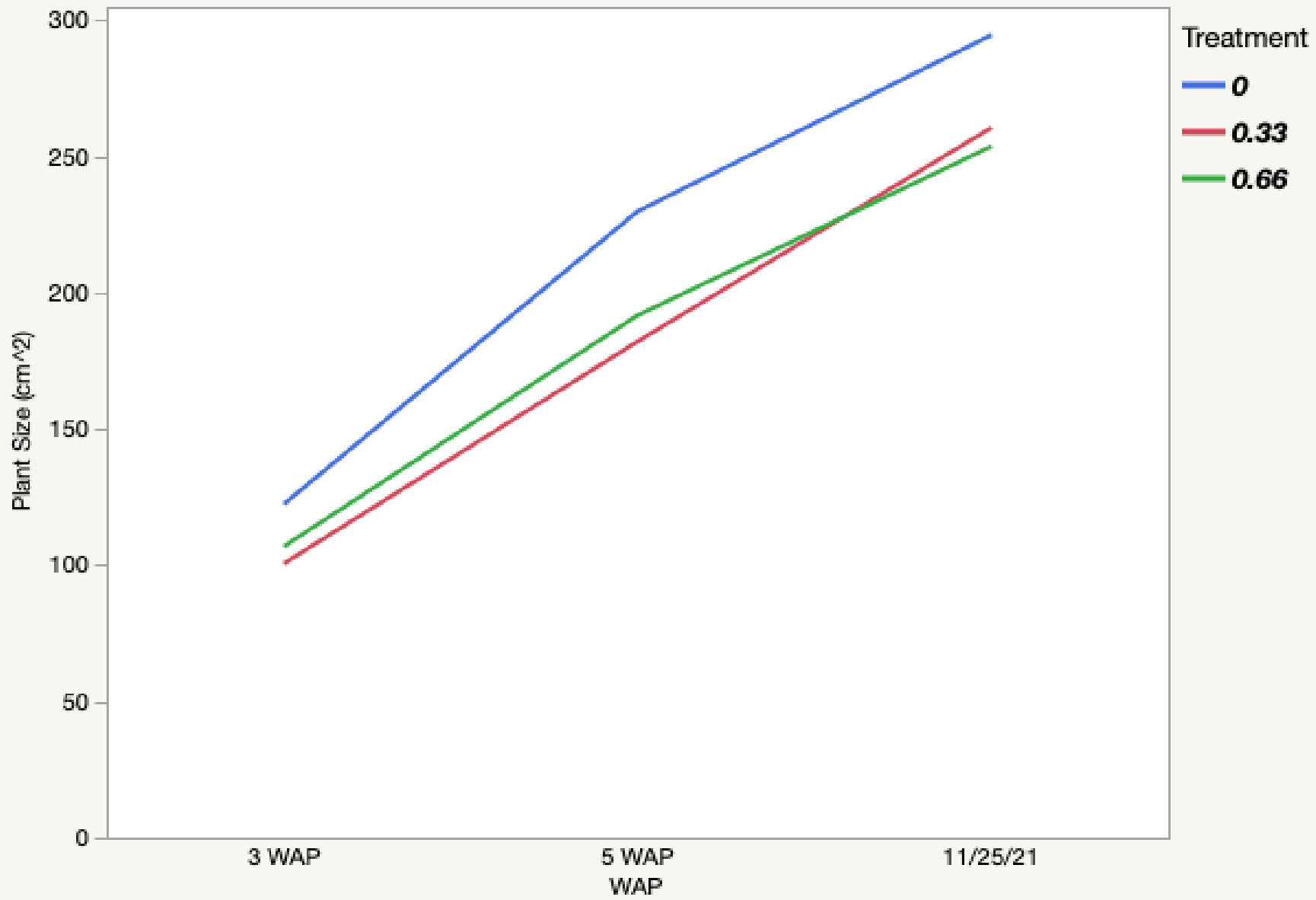
Untreated





2021: fall planting, Fronteras

- Dual Magnum at 0, 0.33 and 0.66 lbs a. i. /A
- TIF
- 30 Days before transplanting
- Crop performance and injury





0.33

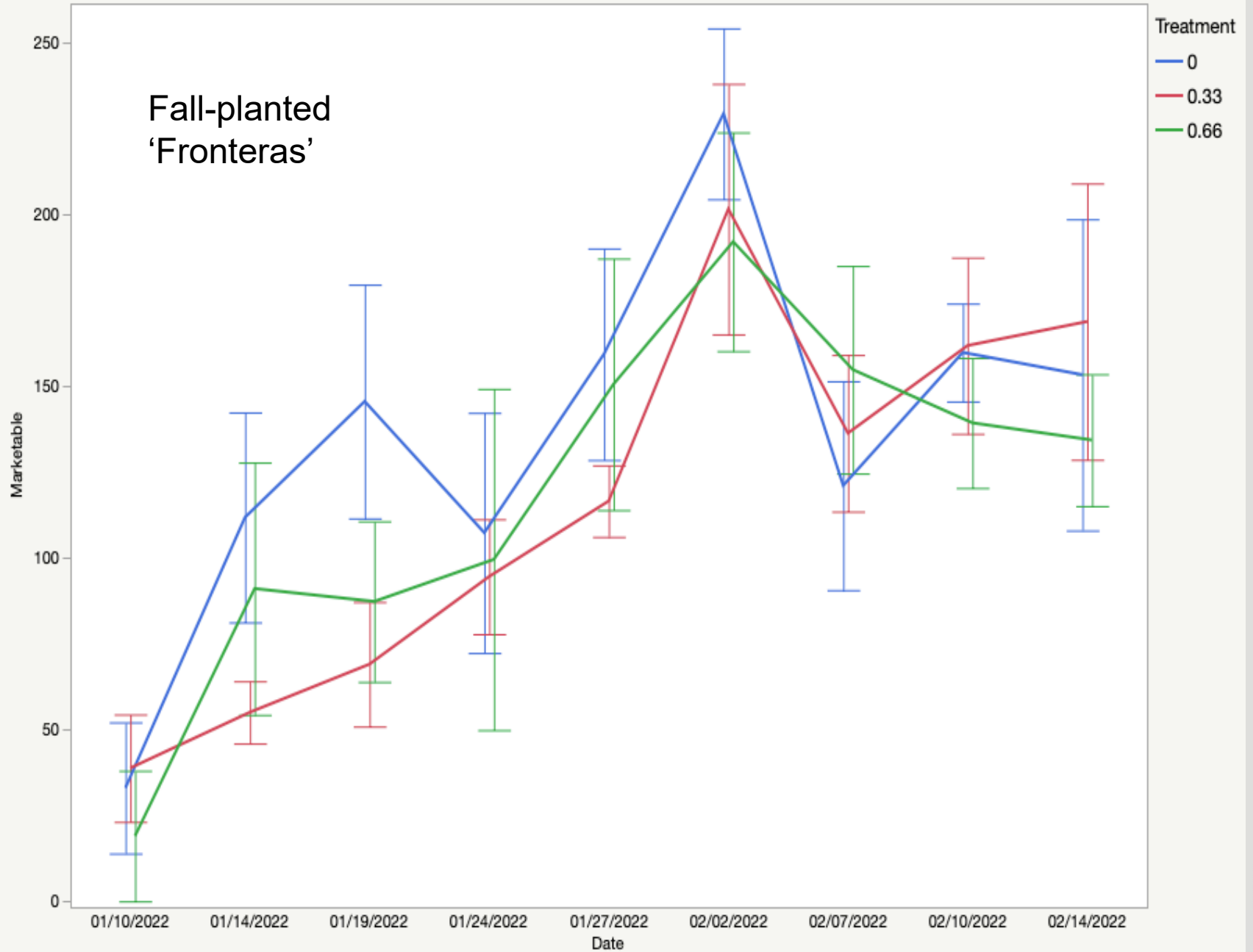


0.66

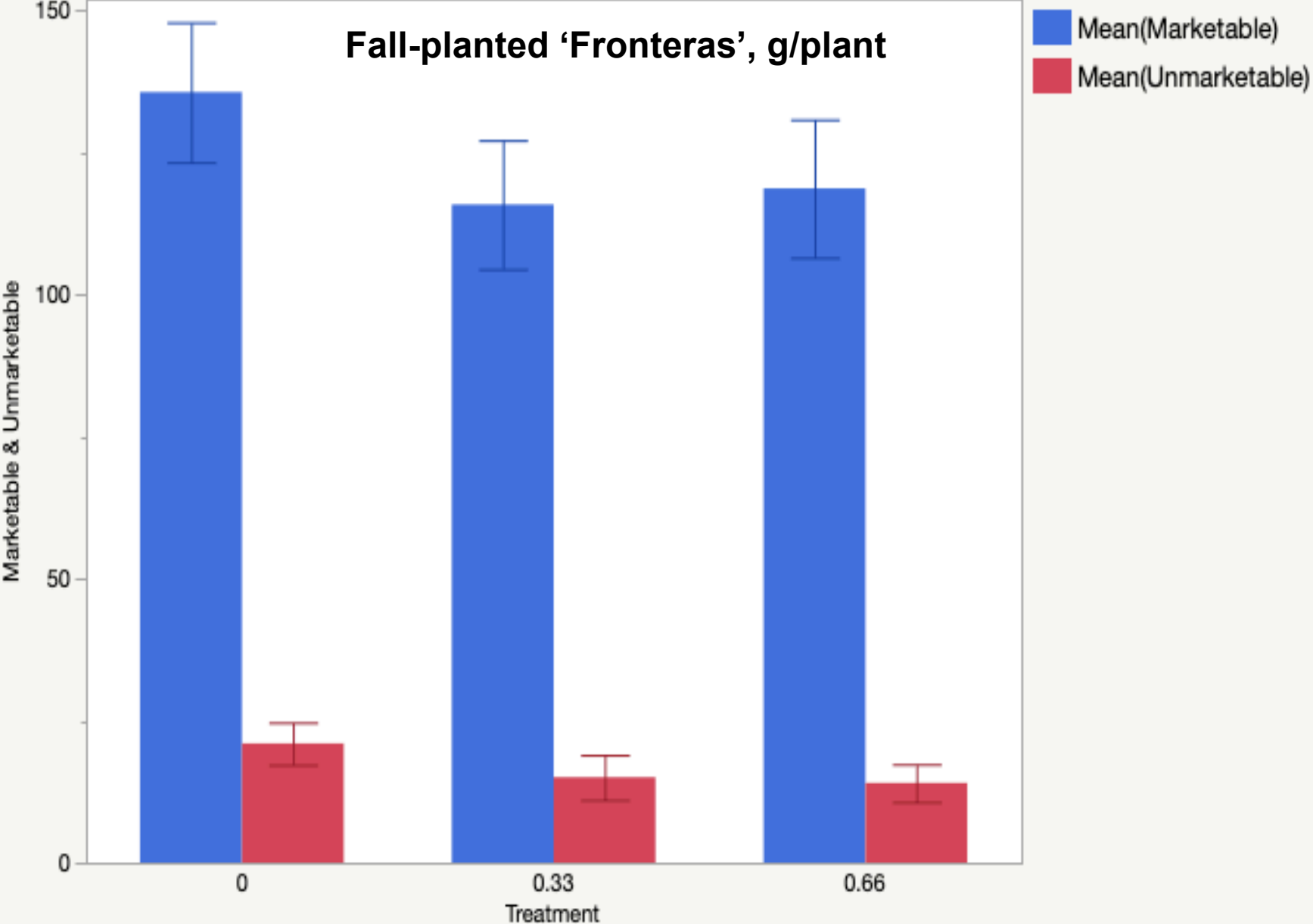


0

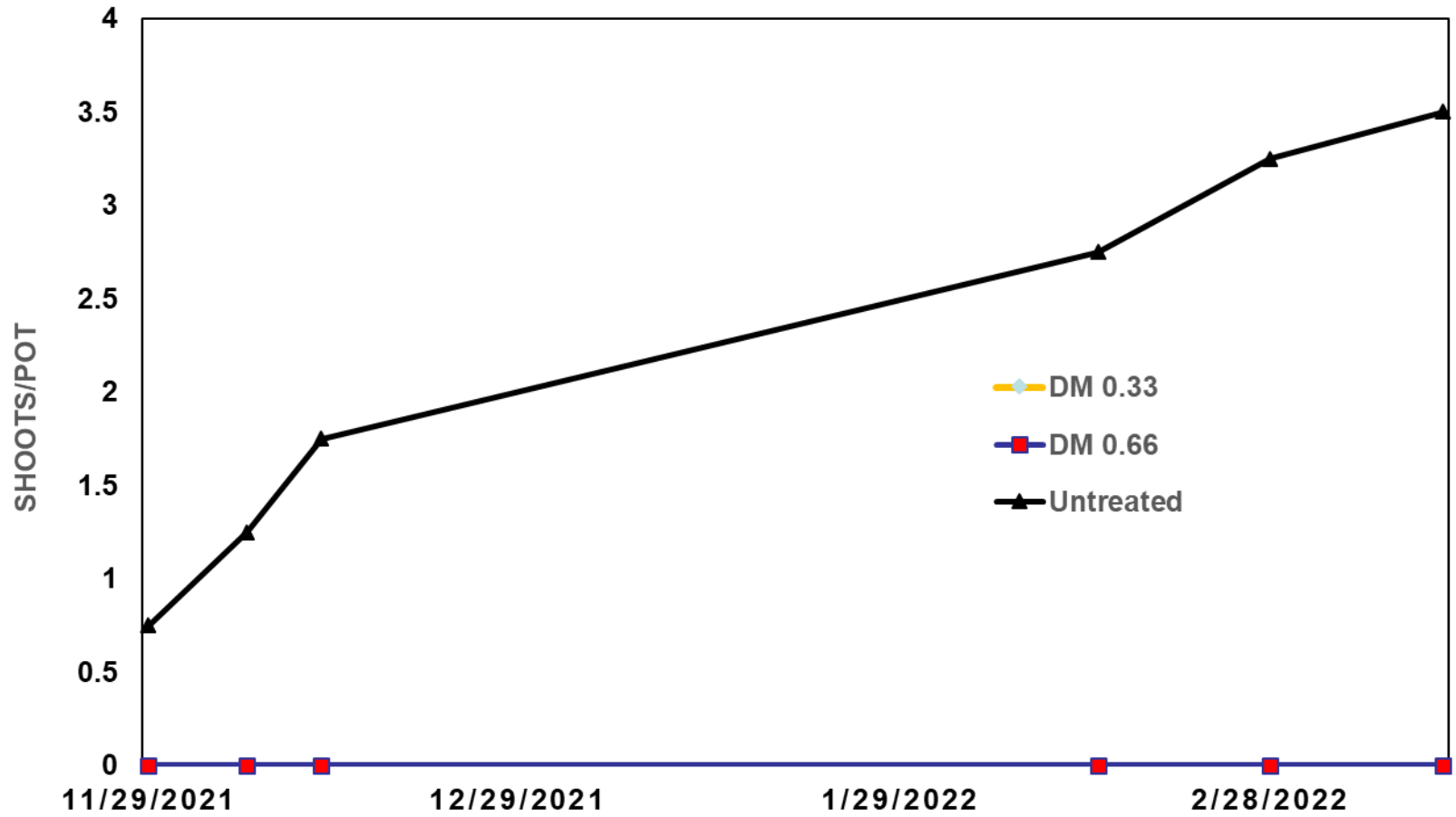
Marketable



Fall-planted 'Fronteras', g/plant



YELLOW NUTSEDGE GERMINATION 2021-2022



0



0.33



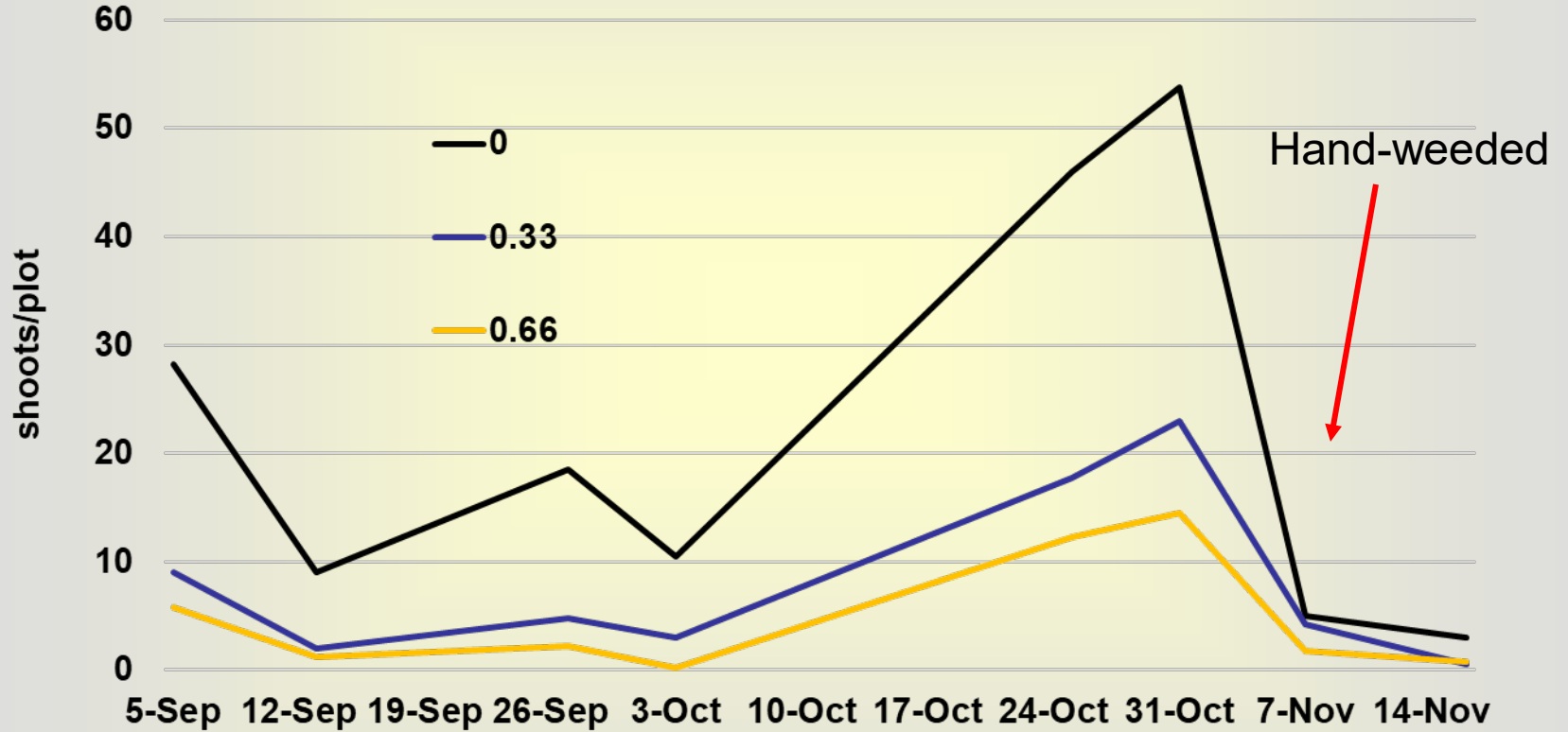
0.66



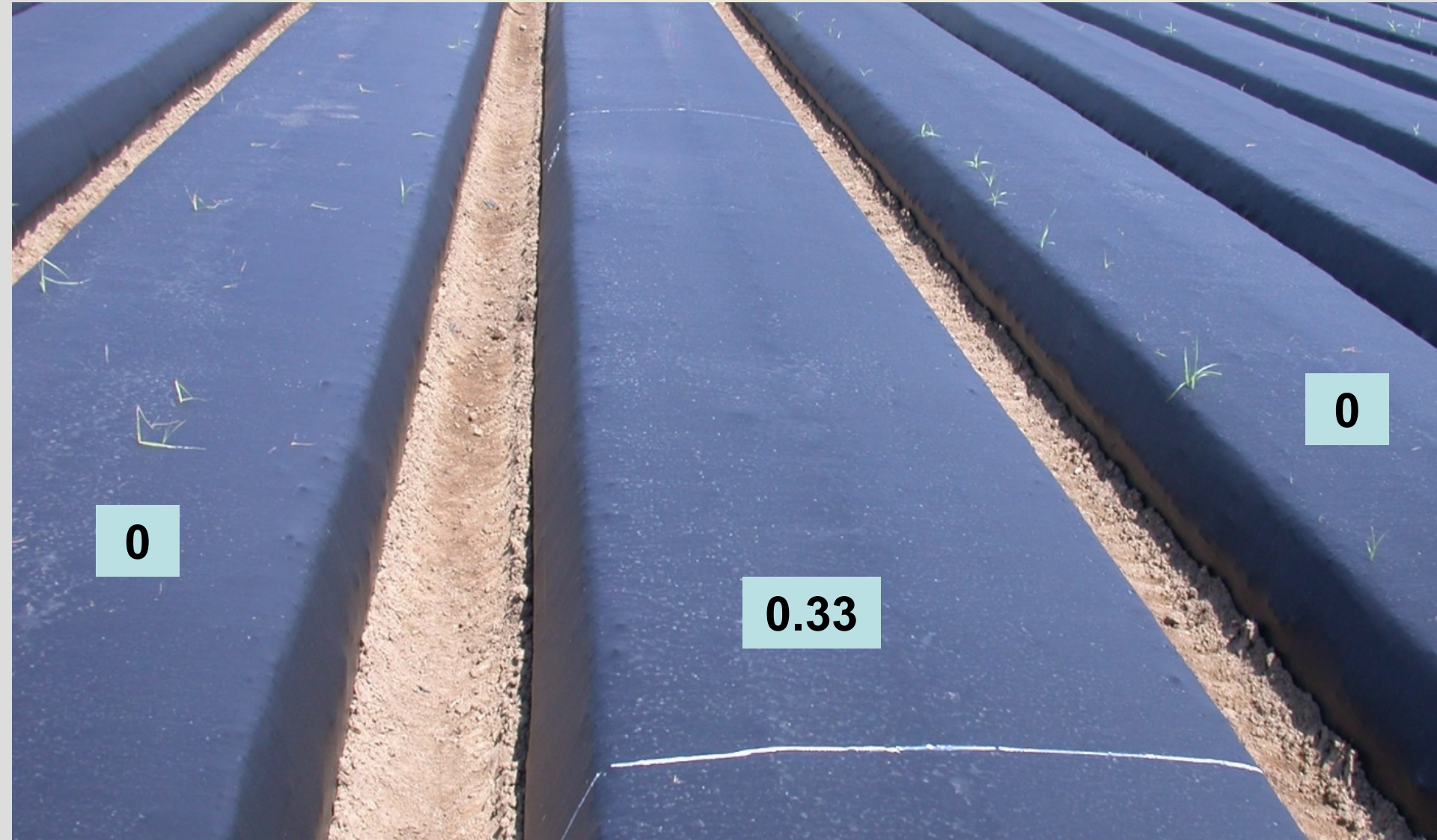
2022-23: fall planting, Fronteras

- Dual Magnum at 0, 0.33 and 0.66 lbs a. i. /A
- TIF
- 37 Days before transplanting
- Crop performance and injury

Nutsedge shoot number



Pre-plant, post fumigation

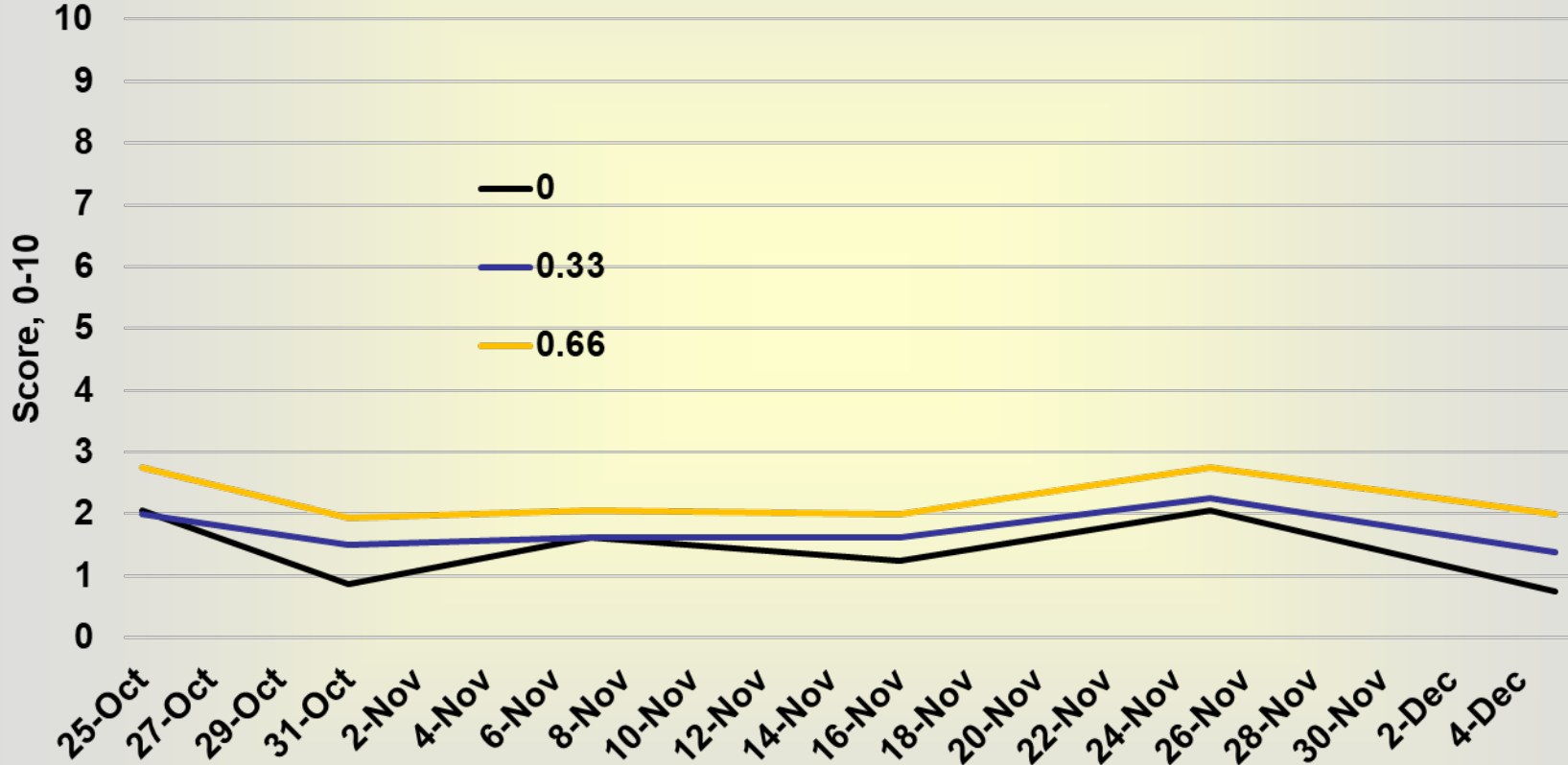


0

0.33

0

Strawberry injury (0=none, 10=dead)



February 21, 2023



0

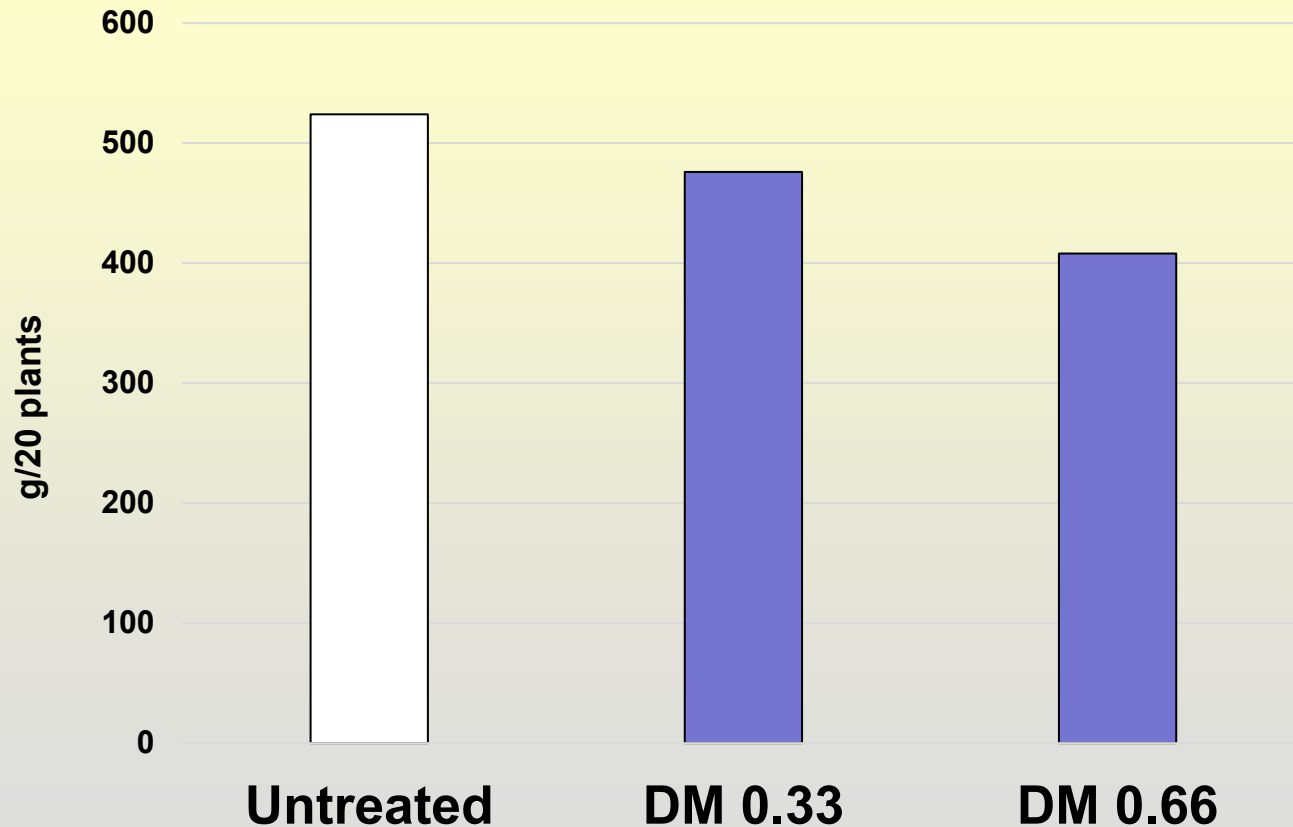


DM 0.33

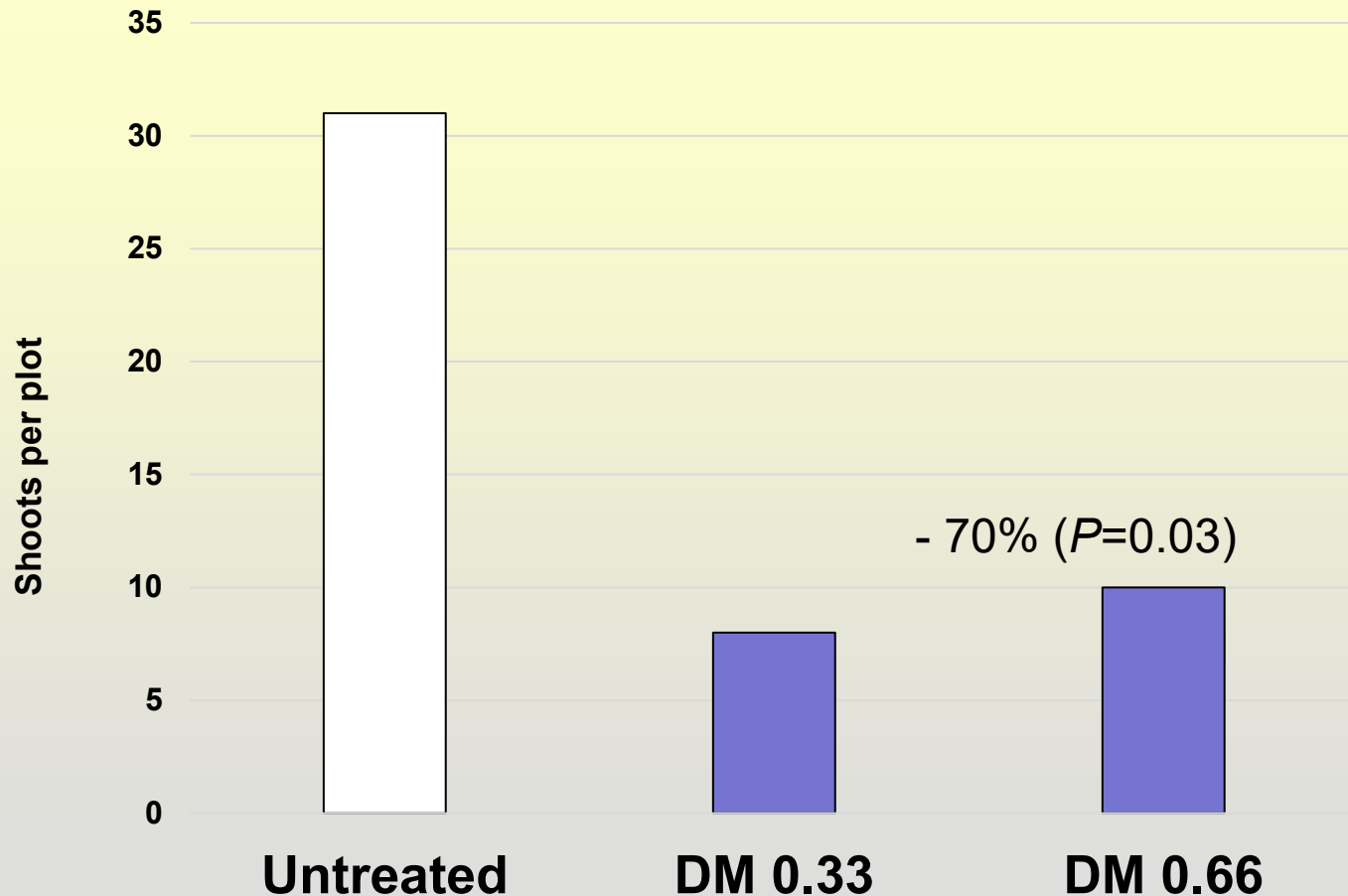


DM 0.66

Marketable fruit in the first 8 harvests: no differences



Nutsedge shoots on 12 May, 2023



Acknowledgements

- Juan Hernandez
- Steve Imoto
- UC Hansen REC staff
- Syngenta