

Disease Management Update

(and some armyworm stuff)

Luis Espino

University of California Cooperative Extension

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2022 Disease Observations

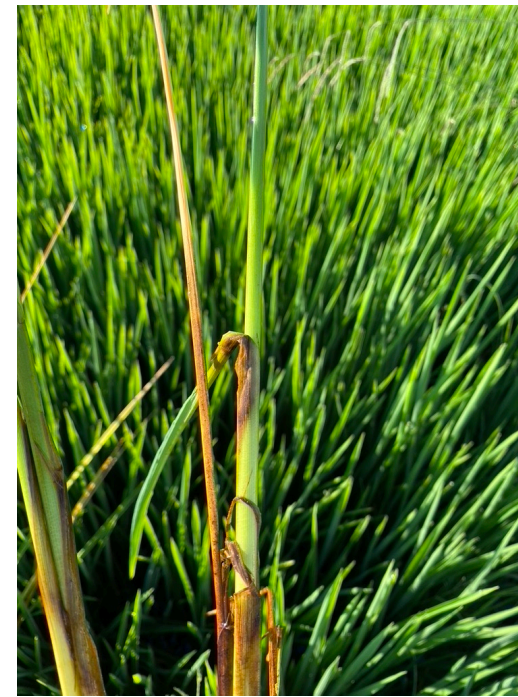
- Blast
 - Very low incidence in Sac Valley
 - Presence confirmed in San Joaquin Delta
- Very low kernel smut
- Stem rot, aggregate sheath spot, average?



Disease Observations

Nigrospora oryzae

- Common in senescing tissue
- Cause lesions on plants weakened by diseases, insects, or poor nutrition
- Ear blight and blackening of rice kernels
- ID on samples in 2017, 2021 (2), 2022 (2)
 - Similar to SR or blast
- “Panicle branch rot” in China



M. Leinfelder-Miles



Stem Rot and AGSS Variety Trials

- Varieties

- S-102
- CM-101
- M-105
- M-206
- M-209
- M-211
- L-208
- A-202 or CJ-201

- Treatment

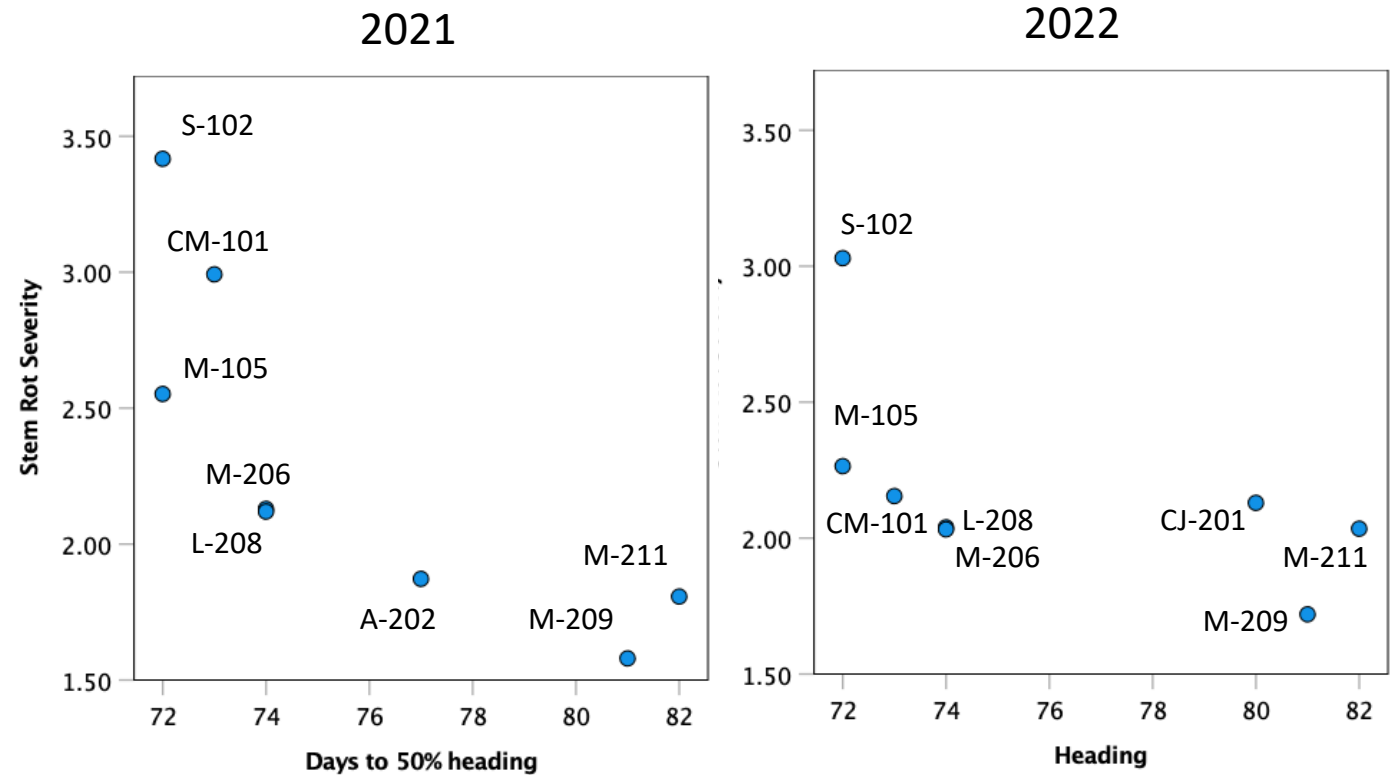
- Untreated
- Quadris 15.5 oz/a at early heading

Rating	Stem rot	Aggregate sheath spot
0	No disease	No disease
1	Disease lesions on outer leaf sheath	Disease affecting second leaf below flag leaf or lower
2	Disease lesions have penetrated into inner leaf sheaths	Disease affecting leaf below flag leaf
3	Disease lesions on culm	Disease affecting flag leaf
4	Culm is rotted though	Disease affecting panicle

Stem Rot Variety Trial

Variety

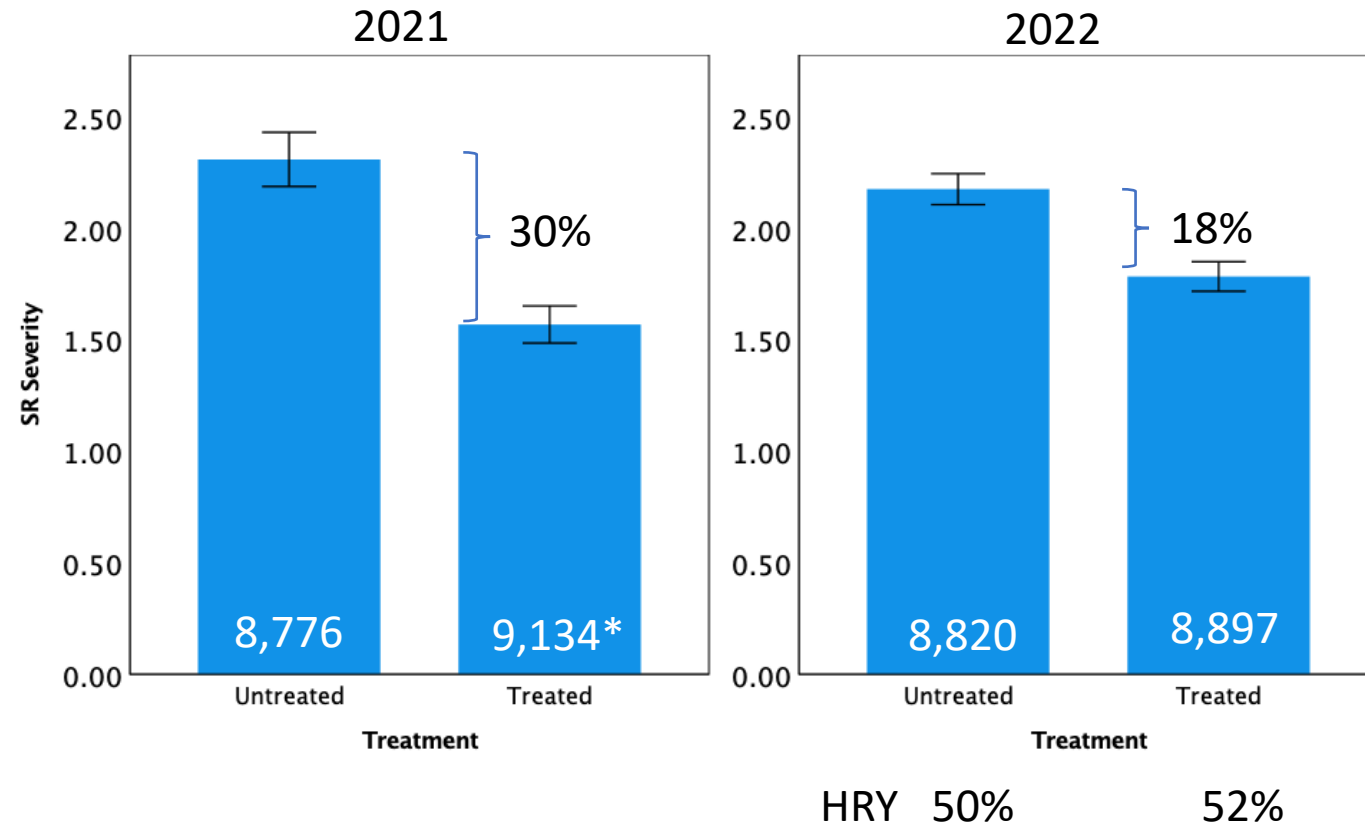
- Lower disease severity in varieties with longer developmental time



Stem Rot Variety Trial

Fungicide

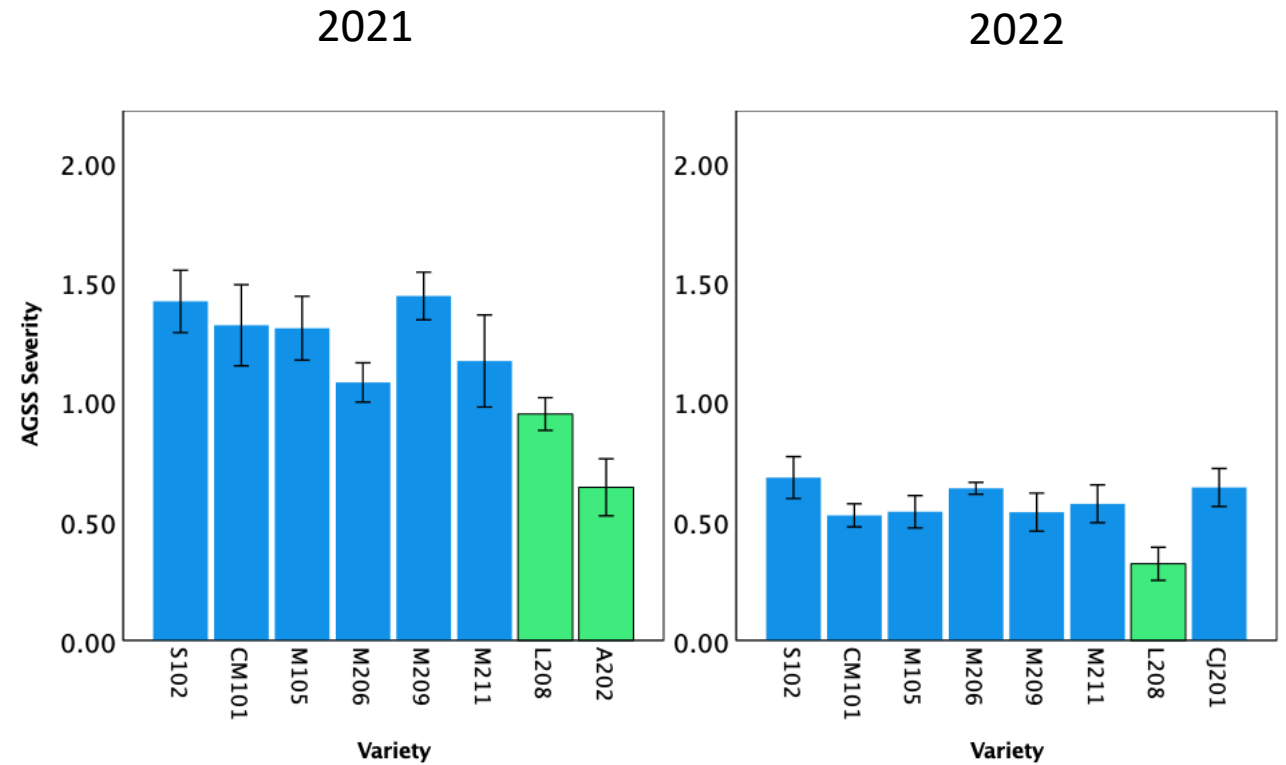
- Treatment with azoxystrobin (Quadris) reduced severity
- 4% yield increase in 2021, no yield increase in 2022
- In 2022, treatment increased HRY by 4%



Aggregate Sheath Spot Variety Trial

Variety

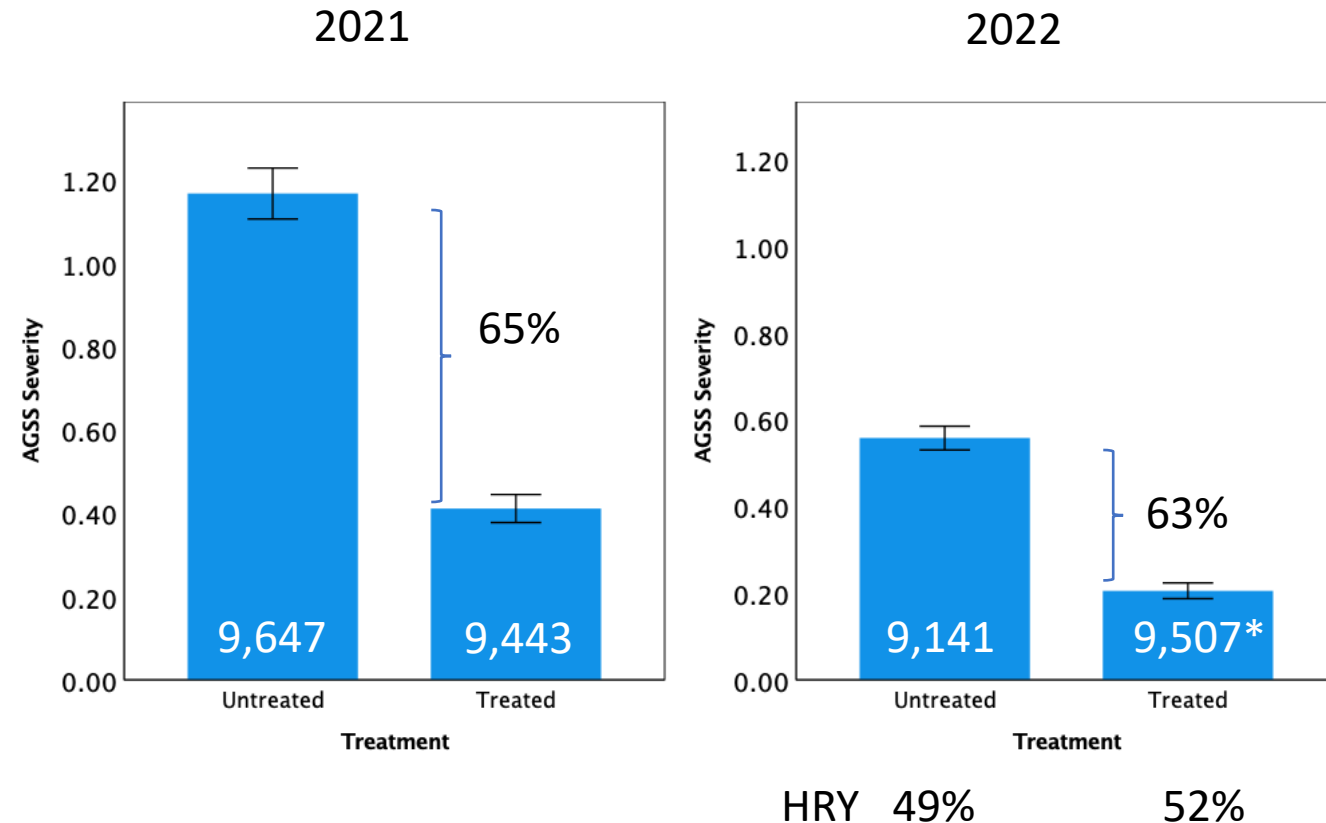
- L-208, A-202 lower severity



Aggregate Sheath Spot Variety Trial

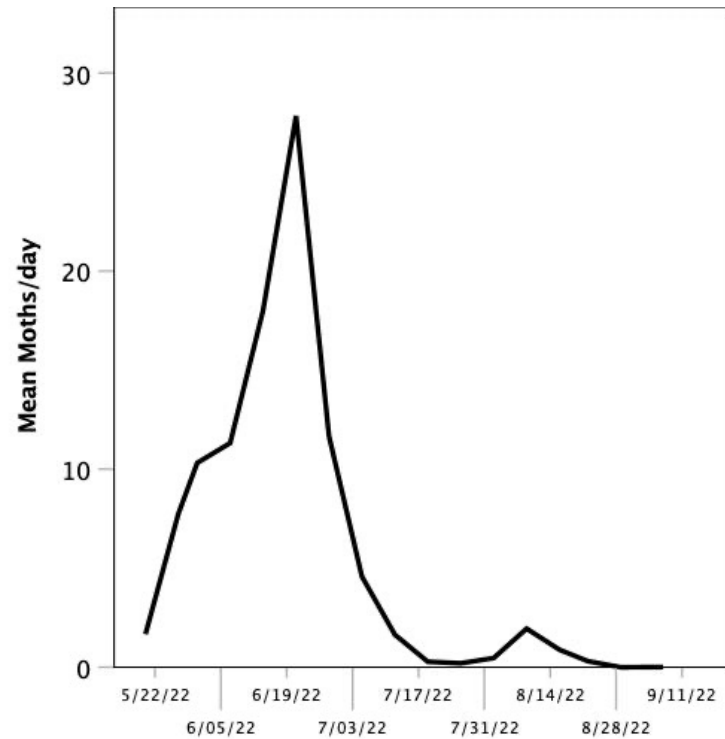
Fungicide

- Treatment with azoxystrobin (Quadris) reduced severity by 60%
- 4% yield increase in 2022, no yield increase in 2021
- In 2022, treatment increased HRY by 5%



Armyworms

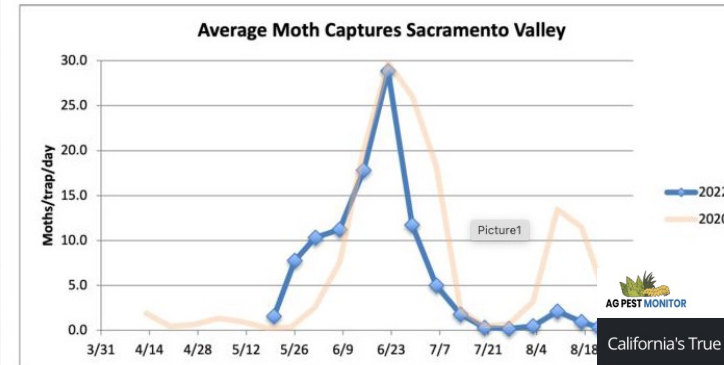
- Monitoring



Armyworm Monitoring

2022 Armyworm Monitoring Update Week of August 22

Moth numbers continue to trend down and there are very few worms in the field. Given this trend, we won't be reporting moth numbers via e-mail unless we see a drastic change. We will continue to update the numbers in the Ag Pest Monitor website for individual traps until the end of trapping season in three weeks.



[Armyworm trap map and moth numbers per loc](#)

[Subscribe to the weekly email during the season](#)

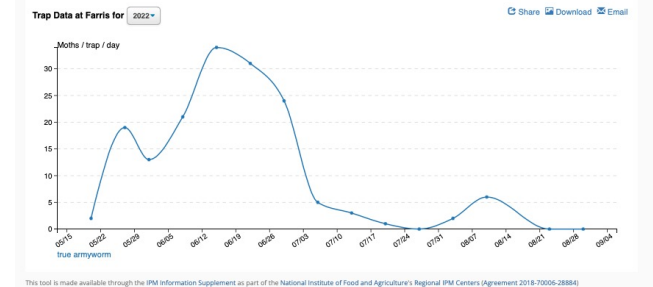
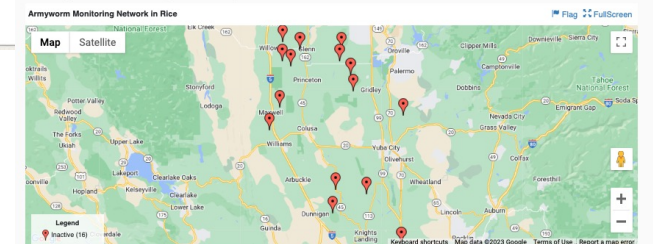


HOME REPORT MANAGE INTEGRATE VISUALIZE MODEL ABOUT

California's True Armyworm Monitoring Network in Rice

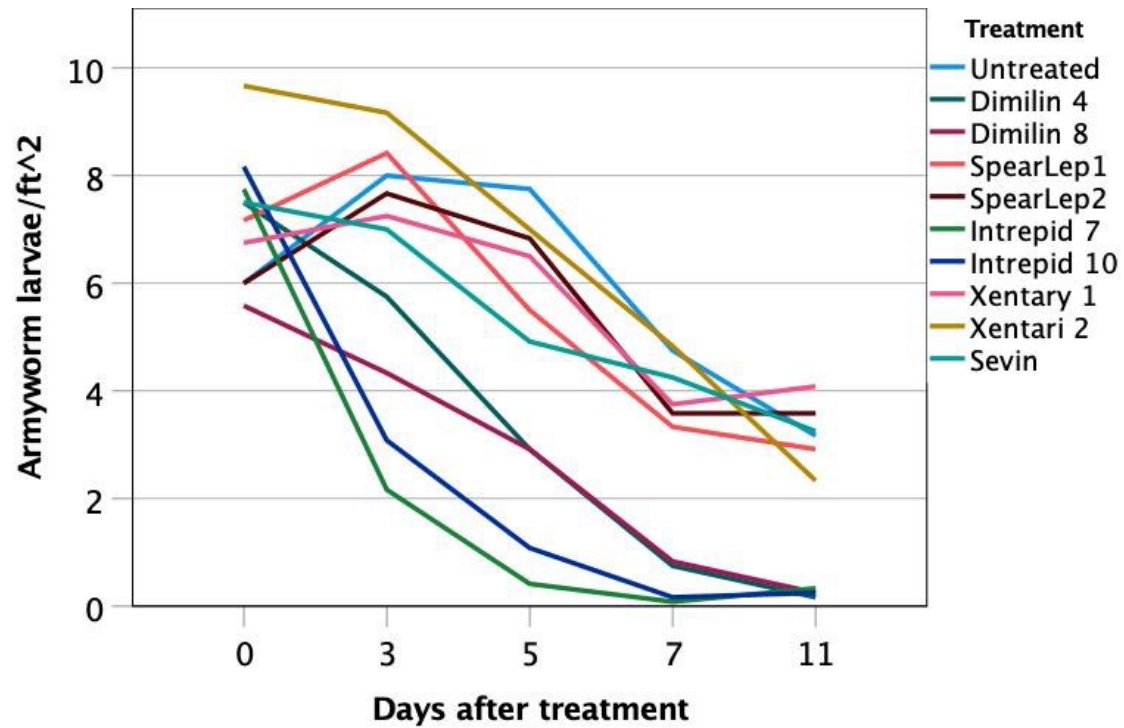
This project is coordinated by Luis Espino, University of California Cooperative Extension. Selecting any of the points on the map will show the graph of trap captures for the selected site.

For more up-to-date information and guidelines of rice production on California see their website.



Armyworms

Armyworm Insecticide Trial, Richvale 2022



Summary of Insecticide Trials 2018-2021

