

The background image shows a large-scale agricultural experiment in a greenhouse. Rows of wild rice plants are growing in a flooded field. The plants have long, thin green leaves and tall, brownish seed heads. The greenhouse structure is visible with white support poles and a blue mesh covering the top. The lighting is bright, suggesting a sunny day.

Wild Rice Breeding

“The Larry Teuber Seed Research Program”

2015 Research Board Meeting

Charlie Brummer & Tami Leathers
Plant Sciences Department, UC-Davis

2014 Review

Poor establishment; McArthur nursery a complete failure

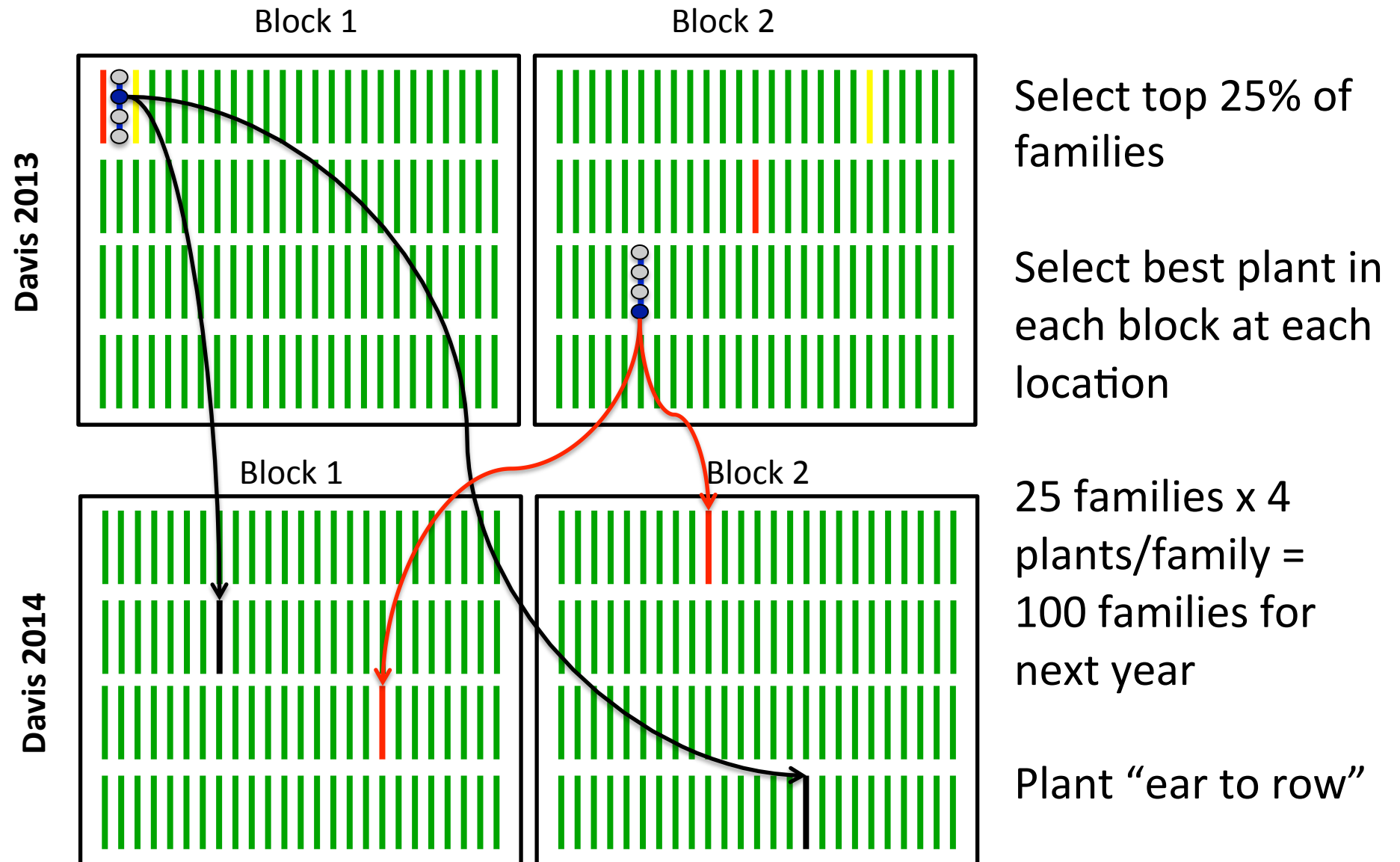
Collected seeds from the best individual plant in each family (unless family was very poor) and from other desirable individuals for a total of 82 families

Families planted in Davis in 2015



2014 Nursery, Davis

Among and Within Half-sib Family Recurrent Selection





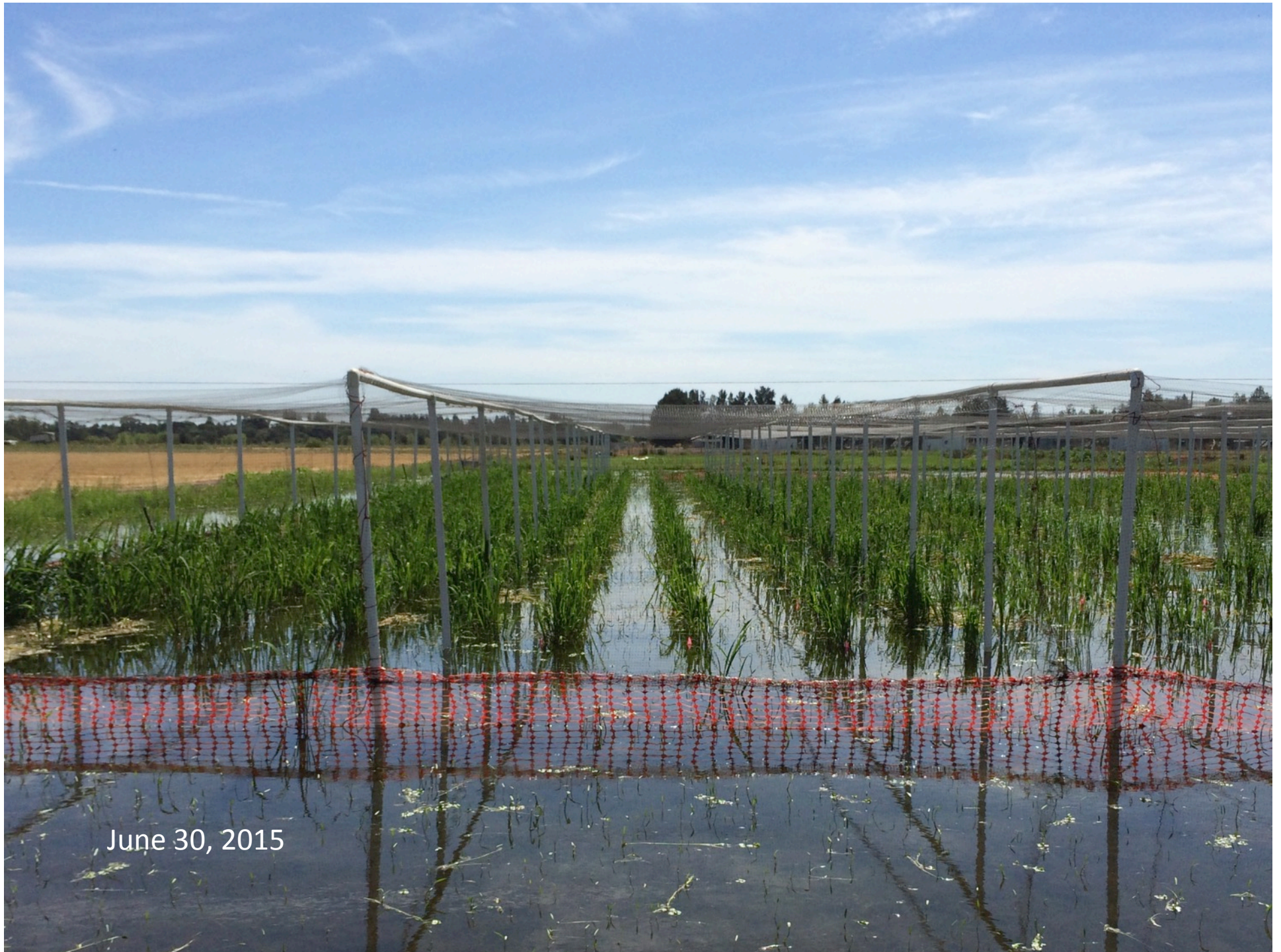
May 16, 2015



June 8, 2015



June 22, 2015



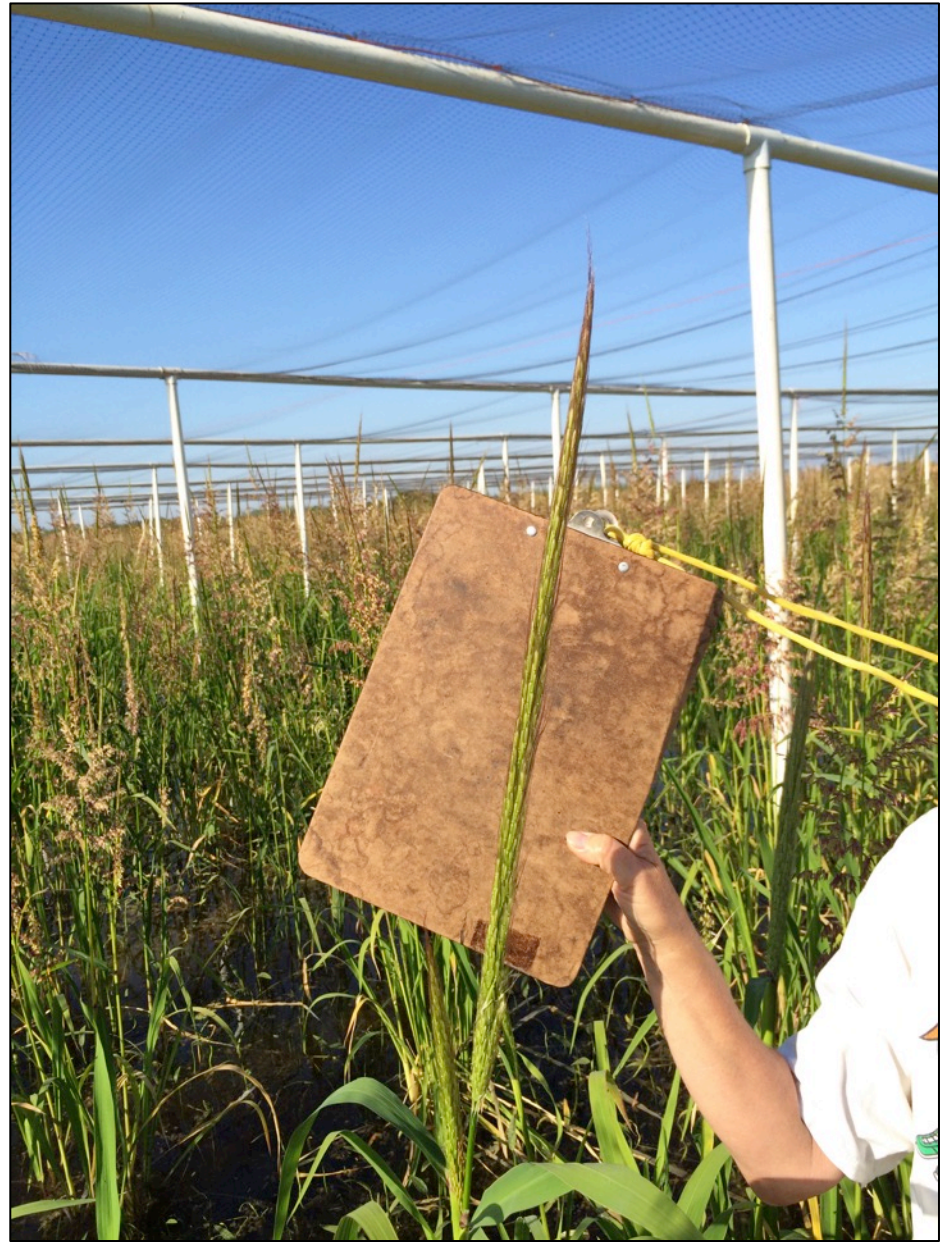
June 30, 2015



July 16, 2015









Plans for remainder of 2015

- Measure plant height, inflorescence length, and yield
- Select best families and best individuals within families for next year
- Currently in greenhouse
 - Intercross best individuals from 2014 to make experimentals for testing
 - Self-pollinate best individuals from 2014 to begin to develop inbred lines

Plans for 2016

- Continue selfing in greenhouse
- Increase seed of experimentals in greenhouse/
isolation cages
- Continue with among and within family selection
- Test experimentals along with families to assess
genetic progress



Thank you for your support!