

Impact of Cereal Rye Termination Timing on Corn Yield (Arlington, WI 2024-2025)

Trial Information

Trial Sponsor(s): Wisconsin Cropping Systems Weed Science

Objective: Determine the optimum time to terminate cereal rye to maximize corn yield.

Crop: Corn

Hybrid: G97B68

Fertility: **At Plant:** 40 lb N/acre - liquid 32% UAN
Sidedress at V4-V6: 138-150 lb N/acre - urea

Cereal Rye Termination:	<u>2024</u>	<u>2025</u>
1) 10 -14 day preplant	4/24	4/24
2) at corn planting	5/3	5/9
3) at corn germination	5/10	5/13
4) at corn emergence	5/17	5/23
5) V1 corn	5/23	5/29
6) V2 corn	5/31	6/2

For the full report see trial #25-ARL-CN21 in the [2025 Wisconsin Weed Science Research Report](#)



Cropping Systems Weed Science
UNIVERSITY OF WISCONSIN-MADISON

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Arlington, WI 2025

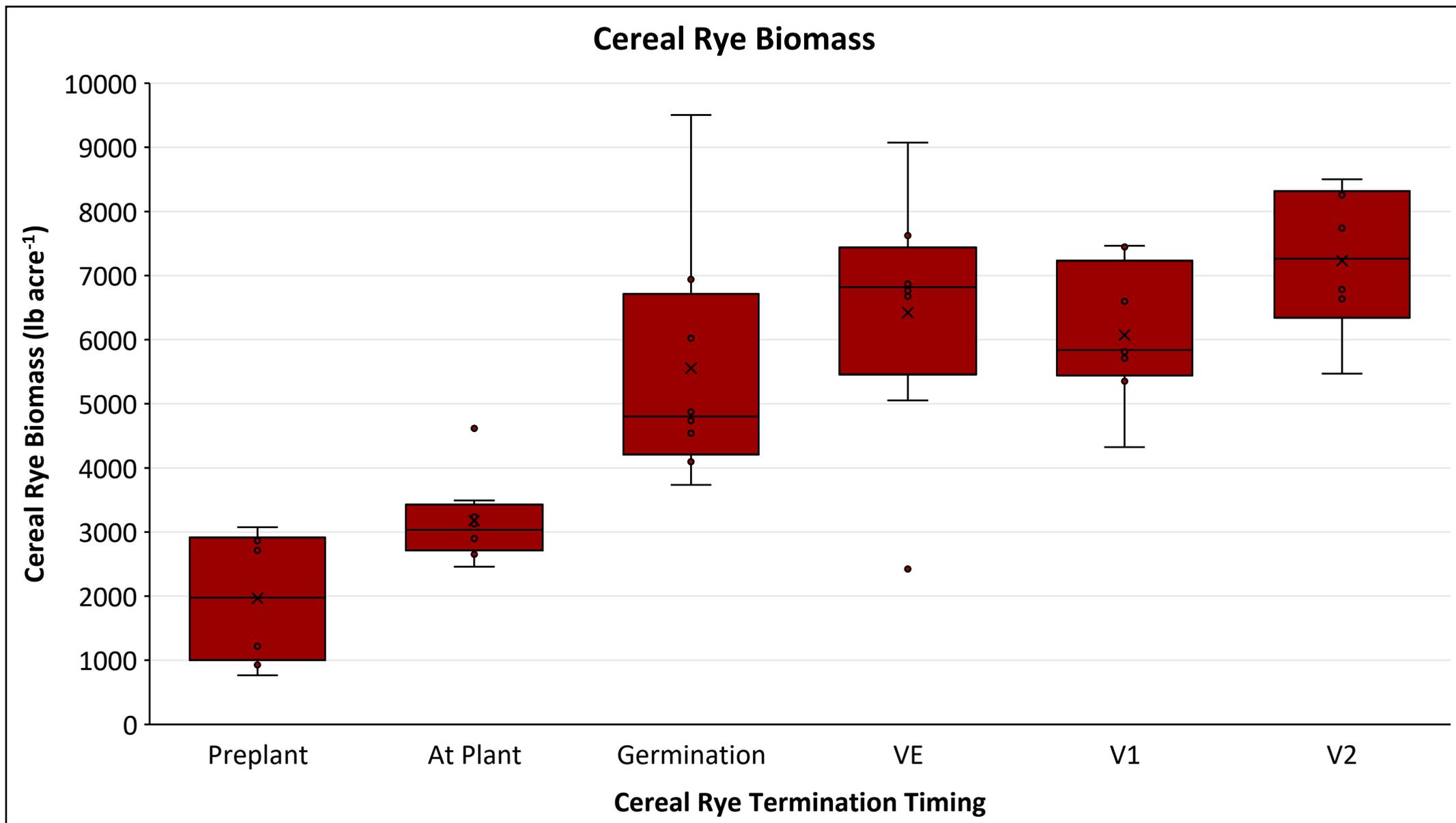


Figure 1. Cereal rye biomass (lb acre⁻¹) at each termination timing averaged across two years. X's within each box plot indicate the average rye biomass.

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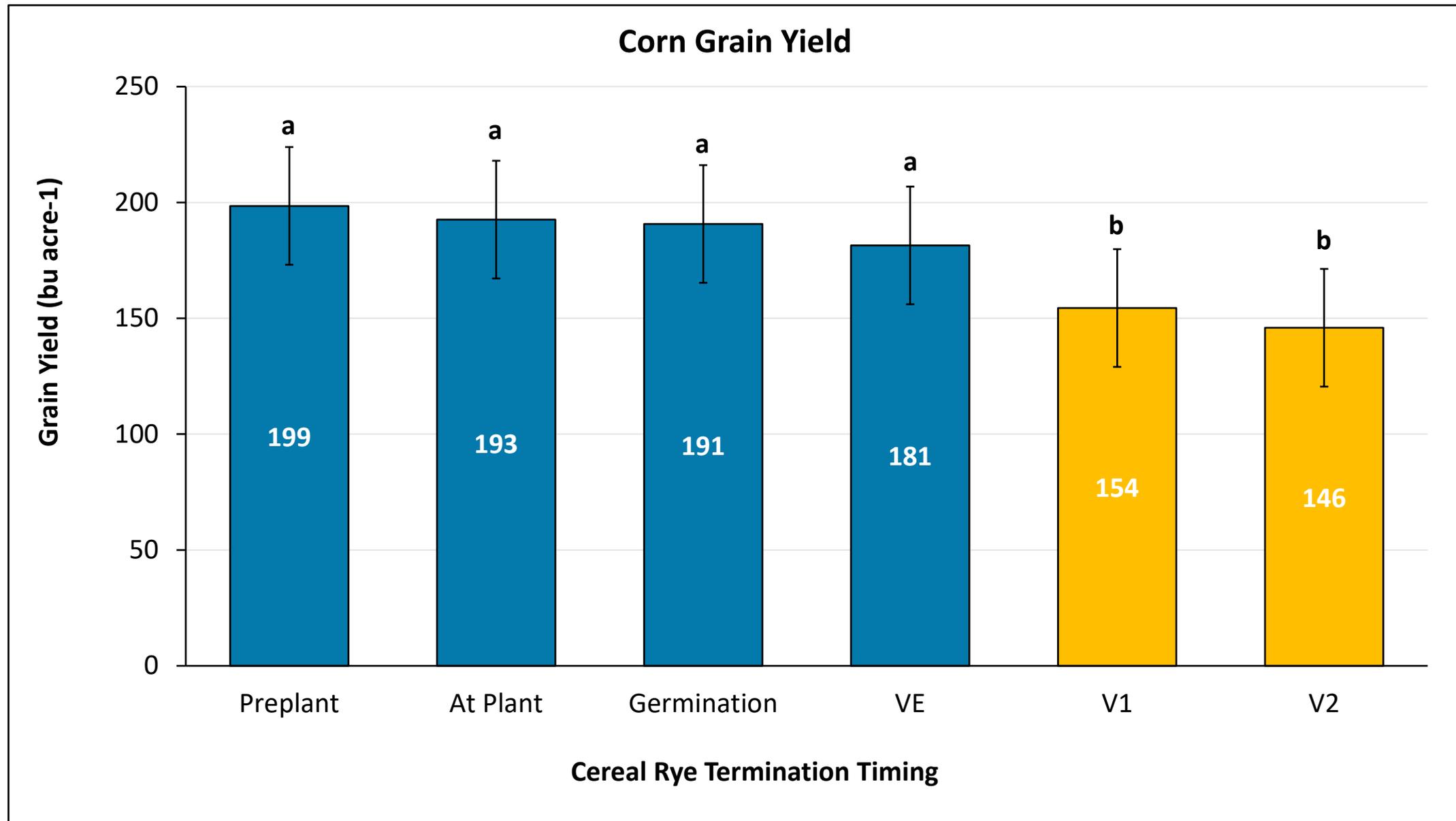


Figure 2. Corn grain yield following six rye termination timings. Bars indicated the averages \pm the standard error. Bars with the same letter are not significantly different at $\alpha = 0.05$.

**Cereal Rye the Day of Corn Planting (5/9/2025)
15 days after termination**



Cereal Rye the Day of Corn Planting (5/9/2025)



39 days after planting (6/17/25)
Termination Timing: Preplant



39 days after planting (6/17/25)
Termination Timing: At Planting



39 days after planting (6/17/25)
Termination Timing: At Corn Germination



39 days after planting (6/17/25)
Termination Timing: At Corn Emergence



39 days after planting (6/17/25)
Termination Timing: V1 Corn



39 days after planting (6/17/25)
Termination Timing: V2 Corn

