

UNIVERSITY OF WISCONSIN AGRONOMY, SOYBEAN RESEARCH, UNIVERSITY OF WISCONSIN-EXTENSION

Hybrid Rye Nitrogen Management Trial Results - 2021

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Experimental Procedure		Field Information			
Exp. Design:	Split Plot RCB	Previous Crop:	Corn Silage	;	
Replicates:	4	Soil Fertility:	pH: 7.1	O.M.: 2.7%	
Plot Size:	Forage: 3' x 6'		P: 71 ppm	K: 241 ppm	
	Grain:5' x 14'	Tillage:	Convention	al Tillage	
Row Spacing:	7.5"	Planted:	September 25, 2020		
Seeding Rate:	Hybrid Rye: 800k	Harvested:	Forage: Ma	y 17, 2021	
(seeds ac ⁻¹)	Non-Hybrid Rye: 1.0 mil		Grain: July	21, 2021	
	Triticale: 1.5 mil				
Treatments					
Hybrid Rye: Propower & Serafino		Controls : Non-Hybrid Rye & Triticale			
Fall N Rates: 0, 15, 30, 45 lbs. N ac ⁻¹		(Data Not Shown)			
Spring N Rates: 0, 30, 60, 90, 120, 150 lbs. N ac ⁻¹					

This is a preliminary report meant to relay preliminary findings. More data will be released once the trial is complete. This data is not for publication.

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Forage yield is adjusted to 35% dry matter.



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End-of-Season Lodging

Spring N (lbs. N ac ⁻¹)	Lodging Estimate		
150	2.2 A		
120	2.0 AB		
90	1.6 BC		
0	1.6 BC		
60	1.6 C		
30	1.2 D		

Lodging scores were based on the average position of the main stem of plants at maturity. 1=plants upright, 2=slight lodging, 3=plants lodged at 45 angle, 4=severe lodging, 5=all plants flat.

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Partial profit was calculated with the following prices: \$1 lb.⁻¹ urea, \$75 ton⁻¹ forage, and \$5.25 bu⁻¹ grain.

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