



Hybrid Winter Rye Forage Trial Results - 2018

Shawn P. Conley, State Soybean and Wheat Extension Specialist
Adam Roth, Senior Research Specialist
John Gaska, Senior Outreach Specialist
University of Wisconsin, Madison

A research trial was established in the fall of 2017 at the Arlington Agricultural Research Station, Arlington, WI to help determine the value of hybrid winter rye as a forage. Three hybrid winter rye varieties were tested along with one winter triticale variety. The first cutting was taken at Feekes 10.1 (head emergence), and a second cutting was taken at Feekes 11.1 (kernel milky ripe).

Experimental Procedure				Field Information			
Exp. Design:	RCB			Previous Crop:	Soybean		
Replicates:	2			Soil fertility:	pH: 7.3	O.M.: 3.4%	
Plot size:	Planted:	7.5' x 18'		Tillage:	P: 31 ppm	K: 119 ppm	
	Harvested:	5' x 14'			No-tillage		
Row Spacing:	7.5"			Planted:	September 25, 2017		
Seeding Rate:	Rye =	800,000 seeds/acre		Nitrogen:	55 lb N/a @ green up in spring		
	Triticale =	1,500,000 seeds/acre					

Variety	Species	Harvest		Crude Protein (%)	RFQ ¹	Dry Matter Yield (ton/acre)	Milk per			
		Growth Stage	Date				Ton (lbs)	Acre (lbs)		
KWS Daniello	Rye	10.1	23-May	16.4 A	139.8 A	2.85 DE	3,186 A	9,073 D		
KWS Progas	Rye	10.1	23-May	15.3 B	132.3 AB	3.05 D	3,082 A	9,385 D		
KWS Propower	Rye	10.1	23-May	13.8 C	123.3 B	3.00 DE	2,875 BC	8,615 D		
Trical 815	Triticale	10.1	29-May	15.9 AB	135.0 AB	2.68 E	3,064 AB	8,204 D		
KWS Daniello	Rye	11.1	22-Jun	6.9 E	100.4 C	5.47 B	2,515 DE	13,756 B		
KWS Progas	Rye	11.1	22-Jun	7.5 DE	110.3 C	5.70 AB	2,699 CD	15,358 A		
KWS Propower	Rye	11.1	22-Jun	7.1 E	108.8 C	5.84 A	2,660 D	15,523 A		
Trical 815	Triticale	11.1	22-Jun	8.5 D	98.9 C	4.45 C	2,460 E	10,921 C		

¹ RFQ = Relative Feed Quality

Results followed by the same letters are statistically the same.

Forage samples were analyzed using near infrared spectroscopy.