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Hybrid Winter Rye Forage Trial Results - 2018

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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'		P: 31 ppm	K: 119 ppm
	Harvested:	5' x 14'	Tillage:	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 Ton (lbs)		Milk per Acre (lbs)	
		Growth Stage	Date										
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.