



"Last year I planted Progas Hybrid Rye September 23. I was very pleased at 6 tons/acre harvested June 1st! I put on 100lbs of urea plus cattle manure. I really like this as a winter grain that can allow me two crops per year. Immediately after harvesting the rye, I planted corn and it's knee high already (July 1, 2019)."

– New Richland, MN



## DM and Nutrition for Silage or Grazing

# Hybrid Rye for Forage

Hybrid rye grain for distilling, milling, and feed.

### HYBRID RYE IN FEED RATIONS

For livestock feed, hybrid rye can replace a portion of the corn in feed rations. Hybrid rye is higher than corn in protein and slightly higher in lysine and phosphorus (Table 1).

Experiments in Europe indicate that the greater dietary fiber in hybrid rye improves gut and overall health in swine. Suggested inclusion rates for hybrid rye in swine diets are: 20% for piglets; 25% for sows; and 30-50 % for feeder pigs, increasing with heavier finishing weights.

In dairy rations, rye can be used up to 25% of the grain mix when fed separately from the forage or 40% of the grain in a Total Mixed Ration (TMR).

Read more: <http://learningstore.uwex.edu/assets/pdfs/a3527.pdf>

### INCORPORATING HYBRID RYE INTO YOUR CROP ROTATION

Hybrid rye can follow any crop that allows fairly early planting in September. Hybrid rye performs best with early fall planting following a short-season crop species other than a grass, such as early soybeans, hay, or legume cover crops.

Organic hybrid rye seed is not yet available, but conventional seed may be planted on organic acres with your certifier's approval.



### HYBRID RYE VARIETY SELECTION

Albert Lea Seed carries a high-performing forage hybrid rye variety.

#### KWS Progas Hybrid Winter Rye\*

- Forage type for silage or grazing
- Tall, very high dry matter yields
- More tons and milk/acre than triticale
- Apply 100-120 lbs N per acre
- Whole plant silage
- Harvest at milk stage for best balance of quality and yield
- Very early heading: consider for roll-down rye

\* Requires a license agreement. Due to Plant Variety Protection (PVP) law, the seed may not be saved for replanting or sold for seed.



info@alseed.com



(800) 352-5247



www.alseed.com

# PERFORMANCE: Hybrid Rye for Forage

**Table 1.** Nutritional values for small grains and corn.

	Hybrid Rye <sup>1</sup>	Wheat <sup>1</sup>	Barley <sup>1</sup>	Corn <sup>1</sup>	Triticale <sup>2</sup>	Oats <sup>2</sup>
Dry Matter%	90.1	90.0	92.6	87.7	87.1	87.9
<b>Dry matter basis</b>						
Crude protein	10-11	11.2	11.4	8.7	11.7	11.0
Digestible* lysine %	0.28	0.32	0.36	0.24	---	---
Metabolizable energy, kcal/kg	3,499	3,641	3,342	3,732	---	---
Insoluble dietary fiber %	15.0	11.8	17.8	11.7	---	---
Soluble dietary fiber %	1.9	0.9	2.7	0	---	---
Fat (ether extract) %	1.4	2.1	2.3	3.5	1.5	5.4
Starch %	62.8	63.4	55.9	66.1	67.6	40.6
Phosphorus,%	0.32	0.40	0.29	0.26	0.39	0.36

\* Standard ileal digestibility: swine

<sup>1</sup> Source: 2018. Research laboratory, Dr. Hans Stein and Molly McGhee, University of Illinois

<sup>2</sup> Source: Feedipedia: Animal Feed Resources Information System [www.feedipedia.org](http://www.feedipedia.org)

**Table 2.** Forage yields for two forage-type hybrid rye varieties, and Trical 815, a forage-type triticale in Wisconsin, 2018. (Arlington Research Center)

Full report: <https://coolbean.info/wp-content/uploads/sites/3/2017/10/Hybrid-rye-silage.pdf>

Hybrid	Harvest date and plant growth stage at harvest					
	5/23—heading (5/29 for Trical 815)			6/22—kernel milky ripe		
	CP %	DM (tons/A)	RFQ Relative Feed Quality	CP %	DM (tons/A)	RFQ Relative Feed Quality
KWS Daniello	16.4 a*	2.85 de	139.8 a	6.9 e	5.47 b	100.4 c
KWS Progas	15.3 b	3.05 d	132.3 ab	7.5 de	5.70 ab	110.3 c
KWS Propower	13.8 c	3.00 de	123.3 b	7.1 e	5.84 a	108.8 c
Trical 815	15.9 ab	2.68 e	135.0 ab	8.5 d	4.45 c	98.9 c

\* Results within the same column followed by the same letters are statistically the same.