

# Hybrid Rye for Forage



## KWS is one of the world's leading seed suppliers,

offering innovative solutions to farmers in 70 countries. Focusing on grower's challenges and responding with innovative tools, technology, and hybrid performance, KWS provides seed with high-performing genetics to support today's progressive farmers and producers.

Hybrid Rye is a high yielding, drought-resistant, and winter-hardy cereal that is bred for disease resistance and greater standability. Because of this, Hybrid Rye is an efficient crop that very successfully grows on medium and light soils.

We concentrate on developing high yielding, quality Hybrid Rye silage varieties while simultaneously focusing on consulting and supporting our customers in production and livestock feeding. Hybrid Rye silage is a high energy, nutrient dense feedstuff that provides high quality soluble fibers critical to rumen health and animal performance!

## Why Hybrid Rye for Silage?

- **Profit Potential** – opportunity for implementing double cropping systems and ultimately more tons of silage per acre
- **Crop Durability** – has a wider and deeper root system which improves drought tolerance, requires fewer fertilizer inputs, and has been bred for high disease resistance
- **Risk Management** – diversifies risk compared to planting only spring crops
- **Workload Management** – allows management of more acres with similar labor
- **Environmental Management** – uses less water than other cereals and improves soil health by reducing erosion and nutrient leaching

## KWS Hybrid Rye Forage Loading Values<sup>1</sup>

	DM, %	CP	TDN	ADF	NDF	NFC	NDFd, 30	NDFd, 48	RFV	NE <sub>m</sub>	NE <sub>g</sub>
	%DM						%NDFom			Mcal/cwt	
Early Cut	20.89± 1.55	15.33± 0.70	65.98± 0.54	30.82± 0.89	51.67± 1.15	23.38± 1.20	71.51± 1.12	76.05± 1.27	119± 4.10	58.05± 0.60	32.15± 0.54
Late Cut	27.57± 1.81	11.17± 1.81	64.75± 0.25	36.93± 0.82	57.64± 1.04	20.17± 0.77	42.34± 1.69	49.42± 1.91	97.71± 2.82	54.38± 0.62	28.79± 0.57

<sup>1</sup>Data from 7 University Trials; n=23 in early cut, n=15 in late cut; Samples analyzed at Dairyland Labs, Arcadia, WI.

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# Hybrid Rye Forage Yield Spotlight



COLORADO

## 2021 Forage Trial - Akron, CO

Variety	Forage Type	Early Cut Silage Yield (Tons/Acre)	Late Cut Silage Yield (Tons/Acre)
KWS Progas	Hybrid Rye	5.33	8.11
KWS Bono	Hybrid Rye	5.31	7.52
KWS Propower	Hybrid Rye	4.86	7.27
KWS Serafino	Hybrid Rye	5.23	7.11
Gainer154	Triticale	3.91	6.93
KWS Tayo	Hybrid Rye	4.65	6.86
Thor	Triticale	4.43	6.60
Flex 719	Triticale	3.97	6.57
Pika	Triticale	3.90	6.14
NE 441T	Triticale	3.65	5.72
UKR 04	Triticale	2.87	5.72
Presto	Triticale	3.66	5.68
Langin	Wheat	2.82	5.02

## Trial Highlights -

Location: Great Plains Research Station at Akron, CO  
This location is non-irrigated, dry land.

Harvest Date - Early cut was harvested on May 27, 2021. Late cut was harvested on June 11, 2021.

*\* all yields are represented as 35% DM in tons/acre*

KANSAS

## 2022 Forage Trial - Hays, KS

Variety	Forage Type	Early Cutting Date	Early Cut Silage Yield (Tons/Acre)	Late Cutting Date	Late Cut Silage Yield (Tons/Acre)
KWS Aviator	Hybrid Rye	5/5	7.02	6/8	13.49
KWS Progas	Hybrid Rye	5/2	3.72	6/10	12.13
TX14VT70	Triticale	5/5	4.67	6/10	12.05
KWS Propower	Hybrid Rye	5/10	5.71	5/30	11.21
LCS BAR	Triticale	5/10	5.09	6/8	10.86
Fridge	Triticale	5/10	4.12	6/3	10.75
T173	Wheat	5/10	2.79	6/3	8.33
OK Corral	Wheat	5/10	2.81	6/3	8.25
Ray	Wheat	5/10	2.49	6/3	8.15

## Trial Highlights -

Location: KSU Agricultural Research Center, Hays, KS  
This location is non-irrigated, dry land.

The trial was well maintained and uniform. It was very dry in the early stages up until boot cut. The trial caught some rain for the later cut which gave the trial an overall boost in tonnage at milky stage cut.

*\* all yields are represented as 35% DM in tons/acre*

TEXAS & COLORADO

## 2019 5 Rivers Silage Trial

Field	Forage Type	Late Cut Silage Yield (tons/acre)	Crude Protein, %
Gilcrest, CO #1	Hybrid Rye	12.02	12.30
	Triticale	11.20	11.37
Gilcrest, CO #2	Hybrid Rye	9.30	11.67
	Triticale	8.40	13.10
XIT, TX	Hybrid Rye	13.44	9.90
	Triticale	12.34	12.40
Hartley, TX	Hybrid Rye	16.66	10.20
	Wheat	16.19	10.60

## Trial Highlights -

Location: Gilcrest, Colorado, Hartley, Texas and XIT, Texas

All cereals were grown on irrigation pivots at all locations. The Hybrid Rye variety used at all locations was KWS Progas.

*\* all yields are represented as 35% DM in tons/acre*