



KWS INSPIRATOR

HYBRID FALL RYE

HIGHEST YIELDS, STRONG STANDABILITY, EVEN CANOPY

KWS Inspirator is the newest available Hybrid Rye. Millers and distillers love it for its high functional profile and consistent milling characteristics. It will be one foot shorter than conventional rye and has great standability. Growers have reported yields 1.3 to 2 times more than their conventional rye. Carries the Pollen Plus gene for higher pollen output, protecting from ergot infection. It has great winter survival with very fast and vigorous spring growth. It will head out before winter wheat but harvests later than winter wheat. Inspirator has proven itself for multiple years in our research plots to be consistently higher yielding than other varieties available.

GROWING AREAS

Inspirator appears to have a great fit right across the province, but excels on soils where wheat struggles i.e. naturally drained, lighter, sandy soils. Growers producing Inspirator Rye are required to sign a single use seed contract prior to picking up the seed.

VARIETY SPECIFICATIONS

SEEDING RATE	65 lbs/acre for 800,000 seeds/acre **Confirm seeding rate with seed size and germination**
MATURITY DAYS	300 Days (harvest first half August)
HEIGHT	129 cm
HEAD TYPE	BEARDED

IT STANDS AND YIELDS

EXCELLENT LEAF DISEASE PACKAGE

EXCELLENT FALLING NUMBERS



Fall Planting	Timeline	Window: SEP 7 to OCT 25 Optimum: SEP 15 to OCT 10. Rye requires more establishment ahead of winter than fall wheat.
	Seed Population Target	800,000 germinating seeds/ac. (increase to 880K beyond OCT 5, 960K beyond OCT 15)
	Seed Rate	2018 rates 57-77lbs/ac (based on seed size and germ%)
	Starter Fertilizer	Focus on Phosphorus for early root growth. 80lbs/ac in furrow MAP is preferred
	Seeding Method	Can be no-till, or conv till, but uniform depth and spacing is always important. Spread previous straw and chaff uniformly. Target seed depth 3-4cm deep
	Pre-plant Herbicide	Consider pre-harvest spray or a pre-plant burn down prior to seeding rye. Start clean.
	Pre-plant Fertilizer	Broadcast according to soil test requirements. 90bu Removal = Grain 42P and 28K PLUS Straw 19P and 135K
	Fall Herbicide	If many weeds are present, may need to remove.
Spring Management	Fertilizer	90N and 10S minimum for most soils and conditions. Split application or stagger release sources. Consider 120N and 15S on soils with lower organic matter scores.
	Weed Control	Scout and spray early, rye will grow aggressively when the snow leaves.
	Early Fungicide	Targeting mildew, scald, and early rust. Might be able to tank mix with herbicide or growth regulator, but likely to provide best results if applied in separate pass. Zadoks 32 (stem elongation) to 43 (swollen stem).
	Growth Regulator	Hybrid products stand better than conventional varieties. (Thicker shorter stems) most growth reg products are to be applied at GS31 to shorten the internodes.
Harvest	Second Fungicide	Targeting rust and fusarium (not as big of threat as wheat). Avoid spraying at flowering time. Can apply pre-anthesis, or post-anthesis.
	Moisture	14.0% is considered dry. Most is stored at 13.0%
	Straw Yields	Usually approx 2,000 lbs/ac, has been as high as 3,000 in spots
	Pricing Opportunities	Identity Preserved Programs exist for strongest pricing opportunities, acres and pricing are booked in the summer prior of each year. \$250/mt paid for 2019 crop.
	Bushel Weight	Rye standard = 56lbs/bu = 39.36bu/MT (same as corn)



RYE

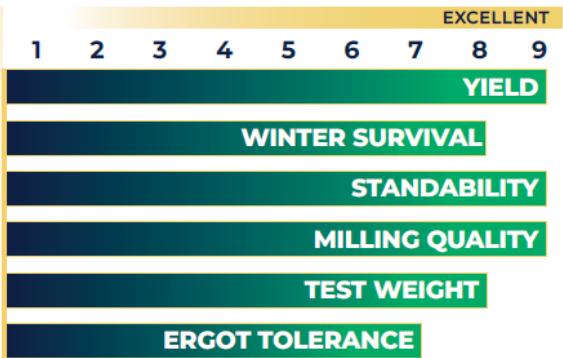
KWS Inspirator

Poten PLUS

Built for Serious Yields!

TOP TRAITS:

- ▶ Highest yields in class
- ▶ Best standability in class
- ▶ Perfect for combination of Forage and Grain



SEEDING RATE

800,000-1M seeds/acre
(60-75 lbs/acre)

3-6% OVER SERAFINA -- 8-10% OVER BONO -- 10-29% OVER BRASETTO

Hybrid Fall Rye Yield Summary

CULTIVAR	Relative Yield to check, %								HEAVY LODGING			
	2016	2017	2017	2018	2019	2019	2020	2020	2021	2022	2023	
	pn	pn	kc	pn	pn	kc	pn	kc	pn	pn	pn	
Brasetto	100	100	100	100	100	100	100	100			100	
Bono	100	102	98	101			91	83	100	100	109	
Inspirator									94	102	129	
Serafino				86					93	98	121	
AC Hazlett	op	76	68	74	92	89						
Check:	t/ha	8.40	6.85	7.36	5.88	5.27	6.17	6.44	4.69	9.08	10.39	7.58
	bu/ac	125	102	110	88	79	92	96	70	135	155	113

VARIETY

VARIETY	YIELD		TSTW	TKW	PRT	Sur	HDT	HGT	LDG	MLD	Stripe	
	T/HA	% trial									Rust	LRST
			KG/HL	GM	%	%	julian	CM	0-9	0-9	0-9	0-9
Brasetto	7.58	95	66.2	35.2	10.3	85	150	104	2.0	0	0	6
Bono	8.28	99	68.6	33.7	9.8	92	150	117	6.0	0	0	6
Inspirator	9.80	117	67.0	35.0	9.5	98	148	120	6.0	0	0	0
Serafino	9.21	110	66.6	32.2	9.5	96	149	128	6.0	0	0	1