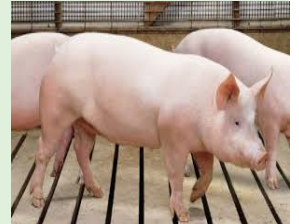


HYBRID FALL RYE, AN EXCELLENT FEED SOURCE FOR HOGS



FEED PERFORMANCE

Hybrid fall rye will provide similar performance to other cereal and corn diets, when fed up to the recommended dietary inclusion in an isocaloric and isonutrient diet. Research has shown there is no significant effect on dry matter intake, average daily gain, feed efficiency, body weight or carcass quality.



HERD HEALTH

Hybrid fall rye is high in beneficial dietary fibre. It has elevated arabinoxylan and fructans. These fibres have proven to lengthen digestion, reduce insulin spikes and stimulate additional volatile fatty acid like butyrate that benefits gut health (improved mucosa, reduced salmonella), herd health (improved satiety, calmer pigs) and farrowing (less crushed pigs/ more pigs weaned, reduced piglet mortality, heavier litters).



FEED COST

Hybrid fall rye is the highest yielding and has the lowest cost of production per metric tonne of any cereal. It also has a similar cost of production per metric tonne as corn. This enables hybrid fall rye to be a very competitive ingredient in a swine ration.



POLLENPLUS®

All FP Genetics hybrid fall rye products carry the KWS PollenPlus® characteristics. These characteristics have shown significant improvement in ergot resistance and are available in the top ergot products including KWS Gatano and KWS Trebiano.



SUSTAINABILITY

Hybrid fall rye has a significantly lower greenhouse gas footprint than other cereals and corn. When using the Livestock Research Wageningen, Netherlands Feedprint Calculator, results show values of up to 25% less greenhouse gases with hybrid fall rye. This is a function of low seed use, extensive root system, high yields, lower nitrogen use per kilogram production, lower water use per kilogram production, lower pesticide use, fall and winter ground cover, high straw production and low requirement of drying at harvest.



For further research and information on hybrid fall rye for swine.

www.fpgenetics.ca or www.hybridfallrye.ca

HYBRID FALL RYE FEED COMPOSITION

CHEMICAL COMPONENTS	AVERAGE HYBRID RYE VALUE % DRY MATTER BASIS
DM %	91.0
ADF %	3.5
NDF %	17.5
Crude Fibre %	2.2
Crude Protein %*	13.0
Fat %	1.5
Non-fibre CHO %	81.0
Starch %	55.0
Sugar %	6.0
Beta Glucan %	2.07
Fructan %	1.33
Ash %	1.5
Ca %	0.04
P %	0.3
K %	0.5
Na %	0
Fe mg/kg	24.0
Mg %	0.1
Mn mg/kg	23.0
Cu mg/kg	5.0
Zn mg/kg	29.0
TDN %	87.0
DE Ruminant kcal/kg	4,050
DE/ ME Sows kcal/kg	3,936/ 3,645
DE/ ME Growing Swine kcal/kg	3,633/ 3,478



*Crude protein can be variable due to soil fertility and weather. Crude protein may vary between 9-13% on a dry matter basis.

Average hybrid fall rye (HFR) feed values determined from 3 plots with 4 repetitions for Brasetto, KWS Bono, KWS Gatano and KWS Trebiano. DE/ ME, Beta Glucan and Fructan for sows and growing swine determined by University of Illinois Swine Research.

HYBRID FALL RYE FEEDING GUIDELINES

HOG TYPE	HOG SIZE	RECOMMENDED DIETARY INCLUSION
Piglets	< 15 kg	10 %
Piglets	15 - 30 kg	20 %
Feeders	30 - 40 kg	30 %
Feeders	40 - 60 kg	40 %
Feeders	> 60 kg	50 %
Sows - Gestating	-	50 %
Sows - Lactating	-	25 %



Hybrid Fall Rye - The New Ingredient for Swine Feeding

