



2023 Eastern Canada  
Seed Guide

THINK

AHEAD

syngenta®

# ThaNK you for reading

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Welcome to the 2023 NK® Seeds Canada Eastern Seed Guide.

In the pages that follow you'll learn about NK corn and soybeans – what's new for 2023, the innovative power of our traits and genetics, which hybrids and varieties are exceling in field, the Syngenta Seedcare™ offerings available to help protect your field against diseases and insects, and much more.

But first, on behalf of the NK Seeds Canada team, I would like to take a moment to thank you for taking the time to read our seed guide. Your success starts with selecting the right seed, and we sincerely appreciate you considering NK.

We recognize the need to earn your time, trust, and field.

NK continues to invest in significant advancements to strengthen our portfolio and better support the success of all our growers. To date, we have spent over \$1.4 billion in global R&D – specifically putting \$30 million into a corn trait introgression facility, as well as doubling the size of our soybean experimental class and tripling the size of our corn experimental class.

Science is just one of our strengths. Talent is another.

NK Seeds Canada is very excited about our highly skilled team that is fully focused and dedicated to seed. Our Agronomists bring insights to every conversation, our Territory Sales Representatives are deeply connected to their regions, and everyone on our team spends their time thinking about bringing value to growers.

**“ With proven performance, innovative genetics, trusted experts, and a renewed commitment to farmers, it's time to thiNK again.**

**Let us show you why we're worth your acres.”**

**Here's to a successful season together.**

Best Regards,

*Dan Wright*

**Head of Seeds, Canada**







## CORN

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# CORN

Our **selection of hybrids**  
will have you smiling  
from ear to ear!





## Corn hybrids

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The NK corn lineup offers a significant range of high-performing products equipped with industry-leading traits and crop protection solutions to fit your unique agronomic challenges. Featuring the Agrisure® trait platform from Syngenta, growers will experience the most comprehensive above and above & below ground insect protection trait package available in North America. Investing in scientific research and development, doubling our breeding program, and tripling our corn experimental class has allowed us to deliver a robust corn product lineup growers can trust.

With proven yield results and advanced genetics, you can feel confident growing NK corn this season.

## NEW for 2023: Corn trait stack names

We're excited to introduce a new corn naming structure for the 2023 planting season to help you easily identify our trait stacks. Developed with input from growers, channel partners, and internal stakeholders, this streamlined naming system allows for a clearer understanding of our corn products and the benefits within each trait stack.





Our corn trait stacks will now have simplified names that leverage the brand equity already established in the market. Designators on hybrid names will also be simplified. These thoughtful changes have been put in place to help you find the agronomic characteristics you need and feel confident in the seed you're putting in the ground.

Here is a detailed breakdown of the updated trait stack names and how to find your favourite NK hybrids:

### TRAIT STACKS - IMPACTED

EZ Refuge® and all Artesian™ versions of

- Agrisure Duracade® 5222
- Agrisure Duracade® 5122
- Agrisure Viptera® 3220
- Agrisure® 3120

	Non-Viptera	Viptera™
Above Ground Above-Below Ground	 <b>Agrisure Above</b> <b>AA</b> ( Existing 3120 )	 <b>Viptera™</b> <b>V</b> ( Existing 3220 )
	 <b>Duracade™</b> <b>D</b> ( Existing 5122 )	 <b>Duracade Viptera™</b> <b>DV</b> ( Existing 5222 )

### ABOVE GROUND TRAIT STACKS

Simplified Trait Stack Brand Name	Designator	Former Products
Agrisure® Above	AA	Agrisure® 3120 E-Z Refuge
Viptera™	V	Agrisure Viptera® 3220 E-Z Refuge

### ABOVE & BELOW GROUND TRAIT STACKS

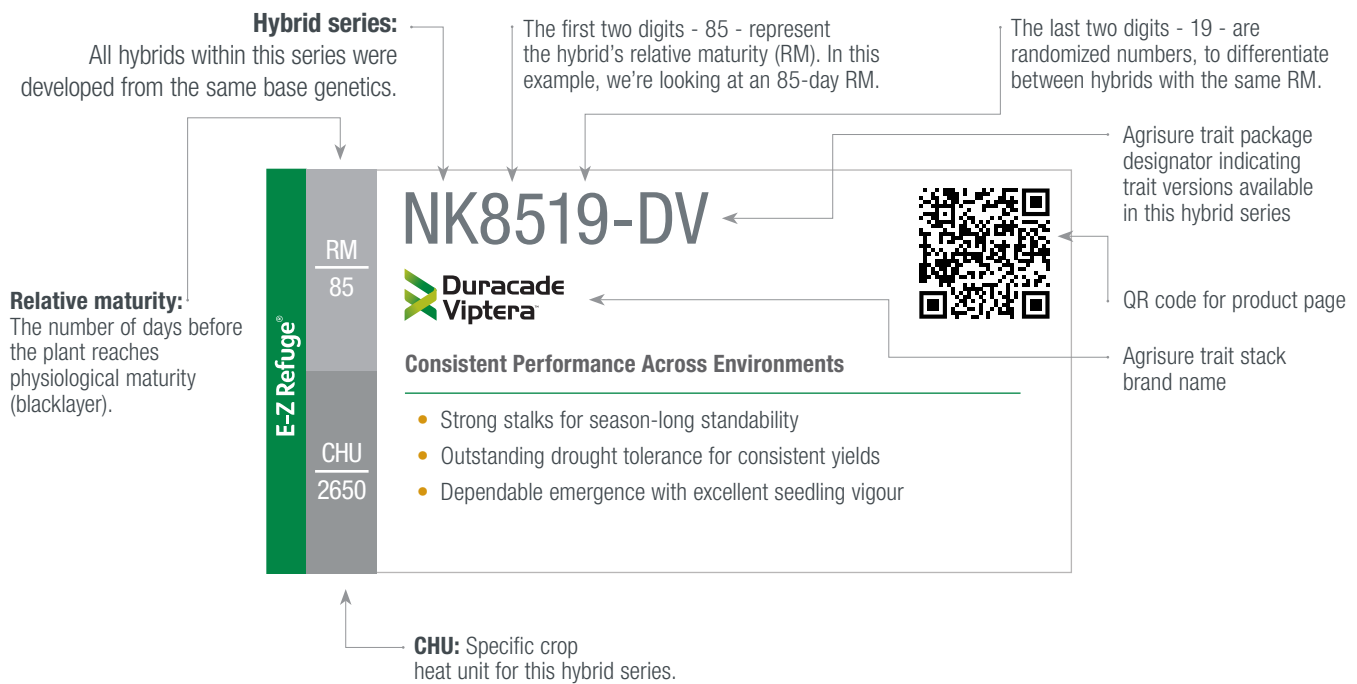
Simplified Trait Stack Brand Name	Designator	Former Products
Duracade™	D	Agrisure Duracade® 5122 E-Z Refuge
DuracadeViptera™	DV	Agrisure Duracade® 5222 E-Z Refuge

Moving to a short, simple, and straightforward naming system will help to clearly communicate the benefits of each trait stack. Our system will use as few words or letters as possible so you can easily spot the products you need, without worrying about numbers.

You may notice that the Artesian and E-Z Refuge names are no longer immediately visible. The Artesian allele discovery, allele incorporation into elite germplasm, product evaluation, and overall Artesian brand concept will continue. The simplified stack designators will not contain an 'A' to indicate that stack is also Artesian. Products will be labeled as Artesian in areas such as agronomic characteristics and on the product bag tags. Integrated refuge products have become the industry standard and are expected. The updated stack names will not include the specific words E-Z Refuge but will still be noted on bag tags.



## Description key



## Agrisure trait stack characteristics:

### Above-ground insect control:



- E-Z Refuge
- Corn borer control
- Broad lepidopteran suppression
- Glyphosate and Glufosinate herbicide tolerance



- E-Z Refuge
- Corn borer control
- Broad lepidopteran control
- Western bean cutworm
- Glyphosate and Glufosinate herbicide tolerance

### Above- and below-ground insect control:







- E-Z Refuge
- Corn root worm control
- Corn borer control
- Broad lepidopteran suppression
- Glyphosate and Glufosinate herbicide tolerance



- E-Z Refuge
- Corn root worm control
- Corn borer control
- Broad lepidopteran control
- Western bean cutworm
- Glyphosate and Glufosinate herbicide tolerance





## Agrisure traits

Syngenta is uniquely positioned in the market as the only company that offers a complete portfolio of insect control technologies, providing comprehensive, season-long control of more corn pests.

		Above-ground insect protection		Above- and below-ground insect protection	
Heat units	Relative maturity	 Agrisure Above	 Viptera	 Duracade	 Duracade Viptera
≤ 2550	≤ 82		NK7837-V NK8005-V NK8204-V		
2600-2700	83 - 87		<b>NEW!</b> NK8760-V	NK8618-D	NK8519-DV
2725-2825	88 - 92			NK8920-D <b>NEW!</b> NK9347-D	NK9023-DV NK9175-DV
2850-2950	93 - 97		NK9535-V		NK9653-DV
2975-3400	99 - 104	<b>NEW!</b> NK0007-AA		NK9991-D NK0243-D <b>NEW!</b> NK0314-D	NK0472-DV

## Premium insect control

With Agrisure® trait stacks, you get built-in control of yield-robbing pests.

Above-ground	Above- and below-ground
 <b>Agrisure Above</b> Agrisure® Above trait stack provides two modes of action against above-ground pests while also providing glyphosate tolerance.	 <b>Duracade</b> Duracade™ features a unique mode of action that controls corn rootworm differently than other traits on the market and acts as an excellent foundation for an effective corn rootworm control strategy.
 <b>Viptera</b> The Viptera™ trait is the only trait currently available that effectively controls western bean cutworm and also protects the crop from key above-ground insects like corn earworm, cutworm and armyworm.	 <b>Duracade Viptera</b> DuracadeViptera™ features a unique mode of action that controls corn rootworm differently than other traits on the market and it also has Viptera built-in for effective control of western bean cutworm and other key above-ground insects like corn earworm, black cutworm and armyworm.

## Drought protection

Many Agrisure trait stacks are also available in hybrids with Artesian™ technology to maximize yield when it rains and increase yield when it doesn't.




Artesian includes scientifically selected genes for water optimization, raising the bar for drought tolerance versus standard hybrids. Growers can count on Artesian to maximize yield when it rains and increase yield by up to 15 percent when it doesn't.





## Control more insects for increased yield potential

### Viptera controls a broad spectrum of above-ground pests

		Optimum® AcreMax®	Optimum® AcreMax® Leptra™ (AML)	Genuity® VT Double PRO® RIB Complete® (VT2P)	Trecepta® RIB Complete® (TRE)
Corn earworm <sup>1</sup>	****	**	****	***	****
Black cutworm	****	***	****	*	****
Fall armyworm	****	*	****	***	****
Western bean cutworm	****	*	****	*	****
Common stalk borer	***	*	***	*	***
European corn borer <sup>1</sup>	****	****	****	****	****

### Duracade trait stacks provide comprehensive above-and below-ground insect control

			Optimum® AcreMax® XTreme (AMXT)	Qrome® (Q)	Genuity® SmartStax® RIB Complete® (SS)
Corn earworm <sup>1</sup>	****	**	**	**	***
Black cutworm	****	***	***	***	***
Fall armyworm	****	*	*	*	***
Western bean cutworm	****	*	*	*	*
Common stalk borer	***	*	*	*	*
European corn borer	****	****	****	****	****
Western and northern corn rootworm <sup>1</sup>	***	***	***	***	***

**Legend** - None, \* Some, \*\* Good, \*\*\* Very good, \*\*\*\* Excellent

If you are concerned about trait-resistant insects, please contact your Syngenta Rep to discuss which trait is right for you.

<sup>1</sup> There is no known resistance to Duracade or Viptera.

Agronomic characteristics

PRODUCT						MATURITY INFORMATION				AGRONOMIC / PLANT CHARACTERISTICS										
Brand name	Trait	Artesian	E-Z-1 Refuge	LibertyLink®	Glyphosate tolerance	Relative maturity (RM)	CHU	RM to silk	RM to blacklayer	Emergence	Seedling vigour	Plant height	Ear height	Staygreen	Drydown	Test weight	Root strength	Stalk strength	Ear Flex	
NK7837	V		✓	✓	✓	78	2350	78	78	3	3	4	3	2	3	2	4	2	SF	
NK8005	V	✓	✓	✓	✓	80	2400	78	77	3	3	5	4	1	4	2	3	3	SF	
NK8204	V		✓	✓	✓	82	2550	84	82	3	2	4	4	4	2	4	2	4	SF	
NK8519	DV		✓	✓	✓	85	2650	86	85	3	2	3	4	3	3	3	4	3	SF	
NK8618	D	✓	✓	✓	✓	86	2650	84	85	3	3	3	5	3	4	2	3	2	SF	
NK8760 <i>NEW</i>	V		✓	✓	✓	87	2650	85	85	2	2	4	4	4	4	3	3	4	SF	
NK8920	D		✓	✓	✓	89	2725	89	88	2	2	3	4	2	3	3	3	3	SF	
NK9023	DV		✓	✓	✓	90	2725	91	90	3	3	2	2	3	3	3	4	3	SD	
NK9175	DV	✓	✓	✓	✓	91	2750	91	91	2	2	3	4	4	3	3	5	4	SD	
NK9347 <i>NEW</i>	D		✓	✓	✓	93	2775	91	92	3	3	4	5	4	3	5	3	2	SF	
NK9535	V		✓	✓	✓	95	2850	95	95	3	3	3	4	2	3	2	3	2	F	
NK9653	DV		✓	✓	✓	96	2875	96	95	2	2	2	2	3	3	2	3	2	SF	
NK9991	D		✓	✓	✓	99	2975	98	100	3	2	3	3	2	3	3	2	3	SF	
NK0007 <i>NEW</i>	AA		✓	✓	✓	100	3025	99	100	2	2	5	5	2	3	3	2	3	SD	
NK0243	D		✓	✓	✓	102	3075	101	102	3	3	5	5	1	3	5	3	2	F	
NK0314 <i>NEW</i>	D		✓	✓	✓	103	3100	102	101	3	3	4	3	3	5	2	3	4	SF	
NK0472	DV		✓	✓	✓	104	3100	103	100	2	2	4	4	3	4	2	2	2	SD	

	SEEDING RATE					ADAPTATION TO SOIL TYPES/ YIELD ENVIRONMENTS				DISEASE TOLERANCE						SILAGE RATINGS									
	-20%	-10%	0	+10%	+20%	Drought prone	Highly productive	Variable soils	Poorly drained	Grey leaf spot	Northern corn leaf blight	Anthraco	se stalk rot	Fusarium crown rot	Eyespot	Tarspot	Yield (ton/ac)	CP (% of DM)	Starch (% of DM)	TDN (% of DM)	NEL (Mcal/lb)	Milk (lbs/ton)	Milk (lbs/ac)	Beef (lbs/ton)	Beef (lbs/ac)
	●	●	★	★	★	●	★	●	★	-	-	-	-	-	-	-	●	●	★	★	★	★	★	★	●
	●	●	★	★	●	★	●	★	●	-	5	-	-	3	-	-	●	●	★	●	-	●	●	●	●
	▼	●	★	★	★	▼	★	▼	●	-	4	-	4	4	-	-	▼	▼	▼	●	▼	●	▼	●	▼
	●	●	★	●	●	★	★	★	●	-	3	-	4	4	-	-	★	●	▼	★	-	★	★	★	★
	●	●	★	★	●	★	★	★	★	-	3	2	2	3	2	2	★	●	★	▼	●	▼	●	▼	●
	●	●	★	★	●	★	★	★	●	-	3	4	4	-	2	-	●	★	★	★	★	★	★	★	★
	●	●	★	●	●	▼	★	●	●	-	4	3	3	3	2	2	★	●	▼	●	-	●	●	●	●
	●	●	★	●	●	●	★	★	●	-	3	3	3	-	-	-	▼	●	●	●	●	▼	▼	●	▼
	●	★	★	★	●	★	★	★	●	-	3	4	5	3	2	2	★	●	●	●	-	★	★	★	★
	●	★	★	★	●	●	★	★	★	3	4	2	3	-	4	4	★	★	★	★	★	★	★	★	★
	●	★	★	★	●	★	★	★	★	4	5	3	3	2	3	3	★	▼	★	★	★	★	★	★	★
	●	●	★	★	●	★	●	●	★	3	2	3	2	3	2	2	★	●	▼	●	●	●	★	●	★
	●	●	★	●	●	●	★	●	★	2	2	3	4	3	4	4	▼	●	●	●	●	●	▼	●	▼
	●	●	★	★	●	●	★	★	★	3	3	3	3	-	4	-	★	★	★	★	★	★	★	★	★
	▼	●	★	★	●	★	★	★	★	3	4	-	2	3	4	4	★	●	★	★	★	★	★	★	★
	●	●	★	●	●	●	●	●	●	5	3	4	3	-	4	-	★	●	★	★	★	★	★	★	★
	●	●	★	★	●	●	★	●	★	4	5	-	2	3	3	3	▼	★	▼	▼	▼	▼	▼	▼	▼

Corn chart key

Trait  
V = Viptera  
D = Duracade  
DV = DuracadeViptera  
AA = Agrisure Above

Agronomic/Plant characteristic and disease tolerance ratings

1 = Best  
9 = Worst  
- = Under evaluation  
D = Determinate  
SD = Semi-determinate  
SF = Semi-flex  
F = Flex

Seeding and adaption ratings

- ★ Above average performance
- Average performance
- ▼ Hybrid may not perform consistently
- ✖ Hybrid not recommended
- Data not available

Silage ratings

- ★ Greatest opportunity to maximize performance relative to other hybrids in maturity group
- Performs well relative to other hybrids in maturity group
- ▼ Performance is lower relative to other hybrids in maturity group
- ✖ Performance is below desired levels relative to other hybrids in maturity group
- Data not available

This table provides silage quality and yield scores for selected NK hybrids based on actual tonnage and silage analysis values, and represents relative differences among hybrids of a similar maturity.



Seed products with the LibertyLink® (LL) trait are resistant to the herbicide glufosinate ammonium, an alternative to glyphosate in corn, and combine high-yielding genetics with the powerful, non-selective, post-emergent weed control of Liberty® herbicide for optimum yield and excellent weed control.

Consult bag tags for E-Z Refuge product herbicide options. Only those labeled E-Z-1 may be sprayed with glufosinate ammonium based herbicides, including Liberty® herbicide.

NOTE: Hybrid characteristics such as staygreen and drought stress tolerance are also important to consider when selecting hybrids for silage. Digestibility ratings are based on NIR and in-vitro digestibility analysis. Milk performance estimates generated from University of Wisconsin equations. Comparisons should only be made among hybrids within a maturity group. Although actual silage yield and quality analysis of a hybrid will vary with environment, the relative ranking of a hybrid will be similar. These ratings are a relative performance guide. Conduct a laboratory test to determine actual silage quality when balancing a feed ration.

All hybrid chassis and/or chassis combinations are subject to change.



## We've captured it! Innovative corn disease control

**Turns out, you can catch lightning in a bottle.** New Miravis® Neo fungicide lets you manage for yield AND quality in your corn without compromise. Miravis Neo delivers best-in-class protection against the broadest range of quality and yield-robbing diseases—including Fusarium—for a higher-yielding, healthier crop. And a difference you can clearly see.





## NK7837-V



### Broad Adaptation Across Yield Environments

- Very good emergence and vigour
- Heavy test weight with good grain quality
- Great drought tolerance for consistent yields



E-Z Refuge®  
RM  
78  
CHU  
2350

## NK8005-V



### Superior Yield Combined with Artesian Technology

- Maximizes yield when it rains; increases yield potential when it doesn't
- Early flowering for good northern adaptation
- Heavy test weight



E-Z Refuge®  
RM  
80  
CHU  
2400

## NK8204-V



### Exciting Yield Performance with Quick Drydown

- Maximum yields on highly productive soils
- Very strong roots
- Strong emergence with great early vigour



E-Z Refuge®  
RM  
82  
CHU  
2550

## NK8519-DV



### Consistent Performance Across Environments

- Strong stalks for season-long standability
- Outstanding drought tolerance for consistent yields
- Dependable emergence with excellent seedling vigour



E-Z Refuge®  
RM  
85  
CHU  
2650

## NK8618-D



### Elite Genetics with Artesian Technology

- Maximizes yield when it rains; increases yield when it doesn't
- Strong stalks and roots
- Heavy test weight



E-Z Refuge®  
RM  
86  
CHU  
2650

## NK8760-V



### Broadly Adapted Hybrid with Excellent Yield Potential

- Outstanding drought tolerance for placement on variable to lighter soils
- Strong emergence allows for early planting in cool soils
- Solid disease package with great late-season agronomics



E-Z Refuge®  
RM  
87  
CHU  
2650

## NK8920-D



### Exciting Yield with Broad Adaptation

- Excellent emergence and seedling vigour for a fast start
- Moderate stature with strong roots and stalks
- Superb staygreen and late-season plant health



E-Z Refuge®  
RM  
89  
CHU  
2725

## NK9023-DV





### Broad Adaptation Combined with Top-end Yield

- Excellent emergence with good seedling vigour
- Strong stalks for season-long standability
- Outstanding stress tolerance for consistent yield




E-Z Refuge®  
RM  
90  
CHU  
2725

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.

E-Z Refuge®	RM 91	<h2>NK9175-DV</h2>  <p><b>Top-end Yield Potential with Broad Adaptation</b></p> <ul style="list-style-type: none"> <li>• Exceptional early disease package</li> <li>• Consistent performance brings exciting yield levels to this maturity range</li> <li>• Outstanding drought tolerance in the Northern Corn Belt</li> </ul>	
	CHU 2750		



E-Z Refuge®	RM 99	<h2>NK9991-D</h2>  <p><b>High-yielding Product with Strong Agronomics</b></p> <ul style="list-style-type: none"> <li>• Improved plant health with better roots and stalks</li> <li>• Excellent choice for medium- to high-yield environments</li> <li>• Broadly adapted hybrid with very good test weight</li> </ul>	
	CHU 2975		

E-Z Refuge®	RM 93	<h2>NK9347-D</h2>  <p><b>Top-end Yield Potential Across High Yield Potential Environments</b></p> <ul style="list-style-type: none"> <li>• Outstanding stalks and very good roots for season-long standability</li> <li>• Best performance when placed in-zone and south of zone</li> <li>• Solid disease package with great late-season agronomics</li> </ul>	
	CHU 2775		

E-Z Refuge®	RM 100	<h2>NK0007-AA</h2>  <p><b>Excellent Yield Potential with Strong Roots and Stalks</b></p> <ul style="list-style-type: none"> <li>• Outstanding emergence for an early planting option</li> <li>• Leading drought tolerance powered by Artesian technology</li> <li>• Semi-determinate ear type and strong standability support higher populations for maximum yield</li> </ul>	
	CHU 3025		

E-Z Refuge®	RM 95	<h2>NK9535-V</h2>  <p><b>Exciting Yield Performance</b></p> <ul style="list-style-type: none"> <li>• Broad adaptation across yield environments</li> <li>• Superb stalks for season-long standability</li> <li>• Solid agronomics for continuous corn acres</li> </ul>	
	CHU 2850		

E-Z Refuge®	RM 102	<h2>NK0243-D</h2>  <p><b>Very Good Drought Tolerance</b></p> <ul style="list-style-type: none"> <li>• Performs extremely well south of zone</li> <li>• Very strong stalks, roots and stay green for season-long standability</li> </ul>	
	CHU 3075		

E-Z Refuge®	RM 96	<h2>NK9653-DV</h2>  <p><b>Consistent Yield with Improved Agronomics and Grain Quality</b></p> <ul style="list-style-type: none"> <li>• Excellent plant health with strong roots and stalks</li> <li>• Consistent performance on poorly drained and variable soils</li> <li>• Broadly adapted hybrid with excellent test weight</li> </ul>	
	CHU 2875		

E-Z Refuge®	RM 103	<h2>NK0314-D</h2>  <p><b>Consistent Performance on Variable Soils</b></p> <ul style="list-style-type: none"> <li>• Outstanding grain quality and test weight</li> <li>• Solid agronomics</li> <li>• Very good response to fertility and fungicides</li> </ul>	
	CHU 3100		

$$\frac{\text{CHU}}{3100}$$


- Excellent stalks and roots
- Solid emergence and early vigour for fast stand establishment

This image shows a single sheet of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There are no margins, text, or other markings on the paper.



# SILAGE

The background image shows a large pile of green silage in a field. In the upper left, a combine harvester's auger is visible, having just deposited the silage. The silage is a vibrant green, indicating it is fresh. The field is filled with more silage, and the background shows a line of corn plants under a clear sky.

Our **dual-purpose  
corn hybrids** are  
an udder delight!

A vertical photograph on the left side of the page shows a lush green cornfield. In the foreground, there is a dense patch of green plants. In the background, a cornfield is being harvested, with a large amount of green silage being tossed into the air, creating a misty spray of leaves and stalks against a bright, hazy sky.

## Corn silage

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Not only does the NK corn portfolio offer a variety of premium performance products for a range of regions and soil types, it also features several hybrids that can be harvested for grain or silage. These hybrids allow farmers to experience enhanced flexibility of use at the end of season.

NK silage choice hybrids have strong agronomic traits with high yield potential, great neutral detergent fiber (NDF) digestibility, competitive digestible starch and high milk and beef production per ton and per acre potential. It's simple: high-quality hybrids make high-quality silage.



## Silage choice

### High-quality hybrids make high-quality silage.

Explore your options and find the right fit for your farm.

PRODUCT		MATURITY INFORMATION				
Brand name	Trait	Relative maturity (RM)	CHU	RM to silk	RM to blacklayer	
NK7837	V	78	2350	78	78	
NK8005	V	80	2400	78	77	
NK8519	DV	85	2650	86	85	
NK8618	D	86	2650	84	85	
NK9175	DV	91	2750	91	91	
NK9535	V	95	2850	95	95	
NK9653	DV	96	2875	96	95	
NK0007 <i>NEW</i>	AA	100	3025	99	100	
NK0243	D	102	3075	101	102	

This table provides silage quality and yield scores for selected NK hybrids based on actual tonnage and silage analysis values, and represents relative differences among hybrids of a similar maturity.

	AGRONOMIC CHARACTERISTICS											
	Yield (tons/acre)	Protein	NDF	NDFD	Starch	Fat	TDN	NEL	Milk/ton	Milk/acre	Beef/ton	Beef/acre
	●	●	★	★	★	-	★	★	★	★	★	●
	●	●	●	●	★	-	●	-	●	●	●	●
	★	●	▼	●	▼	-	★	-	★	★	★	★
	★	●	●	●	★	★	▼	●	▼	●	▼	●
	★	●	●	●	●	-	●	-	★	★	★	★
	★	▼	●	●	★	★	★	★	★	★	★	★
	★	●	●	●	▼	●	●	●	●	★	●	★
	★	★	★	★	★	★	★	★	★	★	★	★
	★	●	●	●	★	★	★	★	★	★	★	★

NOTE: Hybrid characteristics such as staygreen and drought stress tolerance are also important to consider when selecting hybrids for silage. Digestibility ratings are based on NIR and in-vitro digestibility analysis. Milk performance estimates generated from University of Wisconsin equations. Comparisons should only be made among hybrids within a maturity group. Although actual silage yield and quality analysis of a hybrid will vary with environment, the relative ranking of a hybrid will be similar. These ratings are a relative performance guide. Conduct a laboratory test to determine actual silage quality when balancing a feed ration.

All hybrid chassis and/or chassis combinations are subject to change.

\*These ratings should not be used to estimate actual production per animal, but instead they should be used to determine relative overall silage quality and yield of each hybrid.

\*\*Milk/A: Combining yield and quality into a single term, <https://fyi.uwex.edu/forage/files/2016/11/Milk-2016-Combining-Yield-and-Quality-into-a-Single-Term-2.pdf>

## Silage chart key

**Traits**

V = Viptera

D = Duracade

DV = DuracadeViptera

AA = Agrisure Above

**Ratings**

★ Greatest opportunity to maximize performance relative to other hybrids in maturity group

● Performs well relative to other hybrids in maturity group

▼ Performance is lower relative to other hybrids in maturity group

✖ Performance is below desired levels relative to other hybrids in maturity group

— Data not available

**Yield** Calculated on a per-acre basis and adjusted to standard moisture.

**Neutral detergent fiber (NDF)** Measure of the indigestible and slowly digestible components of the silage.

**Neutral detergent fiber digestibility 48 hour (NDFD 48 hr)** Estimates the ruminant digestibility of the NDF fraction.

**Starch** Indicates the percent of feed component that is starch.

**Fat** Indicates the percent of feed component that is fat.

**Total digestible nutrients (TDN)** Sum of the digestibility of different nutrients.

**Net energy lactation (NEL)** Feed effect on net energy for lactating cows based on acid detergent fiber (ADF).

**Milk/ton\*** An estimate of forage quality driven by starch content, starch digestibility and NDF.

**Milk/acre\*** Combines the estimate of forage quality (Milk/ton) and yield (Tons/acre) into a single term.\*\*

**Beef/ton\*** A proprietary estimate of forage quality driven by TDN.

**Beef/acre\*** Combines the estimate of forage quality (Beef/ton) and yield (Tons/acre) into a single term.



Seed products with the LibertyLink® (LL) trait are resistant to the herbicide glufosinate ammonium, an alternative to glyphosate in corn, and combine high-yielding genetics with the powerful, non-selective, post-emergent weed control of Liberty® herbicide for optimum yield and excellent weed control.

Consult bag tags for E-Z Refuge product herbicide options. Only those labeled E-Z-1 may be sprayed with glufosinate ammonium based herbicides, including Liberty® herbicide.

# Silage products selected to perform for your herd








We understand the silage needs of your operation and have developed a curated list of product recommendations to help increase the productivity of your herd.

Choose the right hybrids for your farm!

## Protect your investment

Even the highest performing hybrids with industry-leading traits require an additional layer of protection to keep early-season threats at bay. For NK seed, we tap into the complete Seedcare™ portfolio from Syngenta, so you can manage the most challenging diseases and insects in your fields.

We’re offering a choice of two Seedcare packages on treated corn seed.

	INSECTS CONTROLLED					DISEASES CONTROLLED CAUSED BY				
	Cutworm	European chafer	Wireworm	Seed corn maggot	Root knot nematode	Fusarium	Pythium	Rhizoctonia	Aspergillus	Penicillium
PACKAGE 1										
						●	●	●	●	●
							●			
					■			■ <sup>1</sup>		
PACKAGE 2										
	●	●	●	◆						
						●	●	●	●	●
							●			
					■			■ <sup>1</sup>		

### Legend

● Control   ◆ Suppression   ■ Partial suppression

<sup>1</sup> Partial suppression of seed rot and seedling blight caused by *Rhizoctonia solani*.





**Maxim® Quattro with Vibrance®** fungicide seed treatment delivers five modes of action for comprehensive, consistent protection against seed—and soil—borne diseases, including Fusarium, Pythium and Rhizoctonia. Growers also benefit from improved plant health and quality.



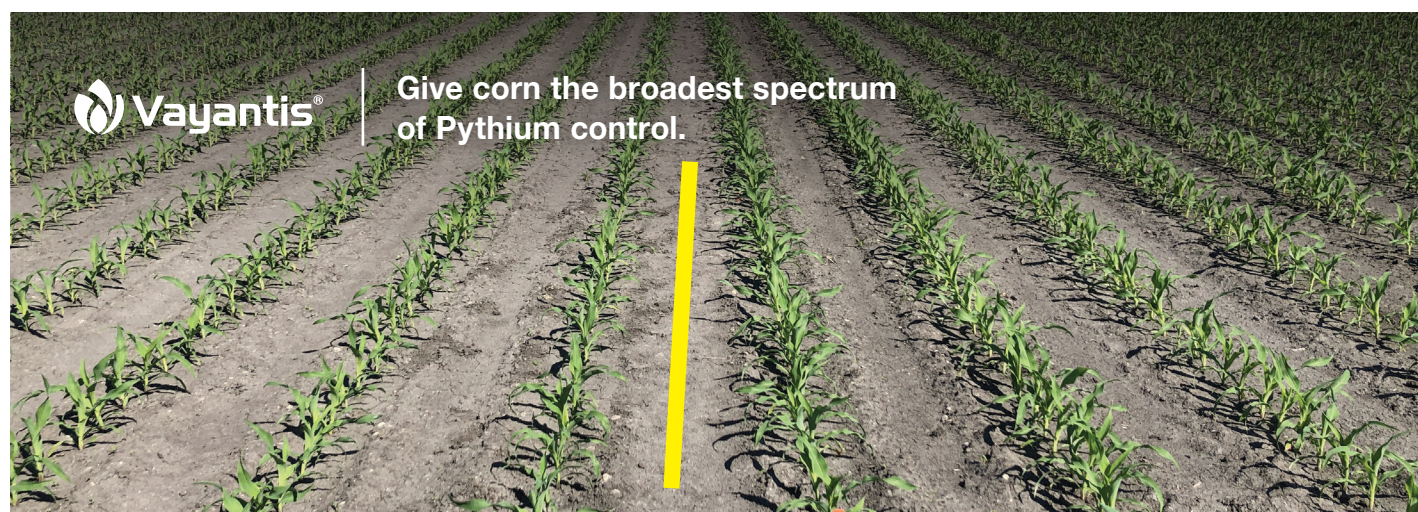
**Vayantis®** fungicide represents a true step up in corn seed treatments with an effective mode of action and the most comprehensive Pythium protection available, so growers can be sure their crop is protected.



**Draco™** corn seed treatment provides a biological bacteria package featuring *Bacillus licheniformis* and *Bacillus subtilis* for an additional mode of action against target pests. In corn, it provides partial suppression of seed rot and seedling blight caused by *Rhizoctonia solani* and root knot nematode, and may help improve germination, water use efficiency, greening, vigour and survival set in crops.



**Fortenza®** is a Group 28 insecticide corn seed treatment that controls cutworm, European chafer and wireworm, and suppresses seed corn maggot. Fortenza helps build a strong corn stand, even under heavy insect pressure, producing faster, more uniform growth.



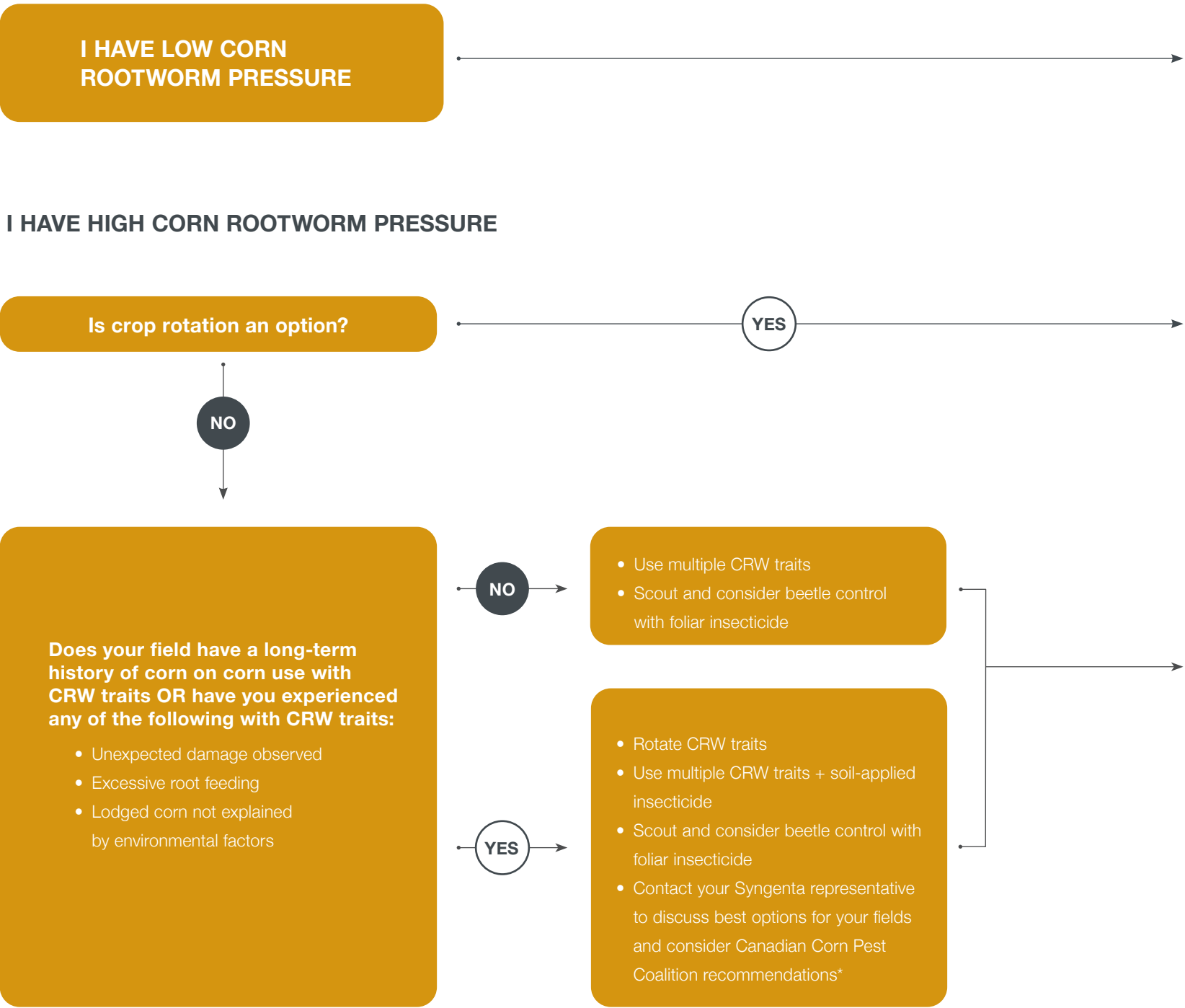
**Fortenza Maxim Quattro + Stamina®**

**Vayantis**

Source: Syngenta research authorization trial in Pain Court, ON, in 2021. Photo taken: June 17, 2021

# Corn rootworm management recommendations

Monitoring corn fields for corn rootworm (CRW) beetles can help determine CRW pressure in the subsequent year. Gauge next year’s CRW larval threat based on this year’s beetle numbers. If scouting reveals 1-1 ½ beetles per plant, CRW larval feeding activity may be high the following year.



## If you experienced low larval feeding damage, low adult beetle population, and no rootworm-caused corn lodging issues in the prior year and:

- Will plant continuous corn: consider a single CRW trait, multiple CRW traits, or a non-CRW traited hybrid with Force® 3G soil insecticide.
- Will plant first year corn in areas with western CRW or northern CRW variant: consider a single CRW trait, multiple CRW traits, or a non-CRW traited hybrid with Force 3G.
- Will plant first year corn in areas without western CRW or northern CRW variant: consider a non-CRW traited hybrid with or without Force 3G.

## CROP ROTATION

- Rotate to a non-host crop such as soybeans, which provides the best opportunity to break the reproductive cycle of CRW.
- If you are concerned with the potential for the western CRW variant that may lay eggs in soybean fields, make sure to monitor soybeans for beetles to take action in next year’s corn crop based upon beetle observations in previous year’s soybeans. Alternatively, consider treating adult beetles in the soybean crop itself. When planting corn following soybeans in areas with western CRW variant consider a single CRW trait, multiple CRW traits, and/or Force 3G.
- If you are concerned with the potential for the northern CRW variant, rotate to multiple years of non-host crop or monitor/take action to treat CRW as needed. When planting corn in a corn-soybean rotation in areas with northern CRW variant consider a single CRW trait, multiple CRW traits, and/or Force 3G.

## MODE OF ACTION ROTATION

Previous CRW trait usage and years in corn are important factors. It is always important to consult with your sales representative to discuss which of the below options will work best in your particular situation.



- Duracade™ and DuracadeViptera™ trait stacks combine a unique mode of action for CRW control with a second, proven mode of action against CRW. Both trait stacks also provide a five percent integrated E-Z Refuge®.



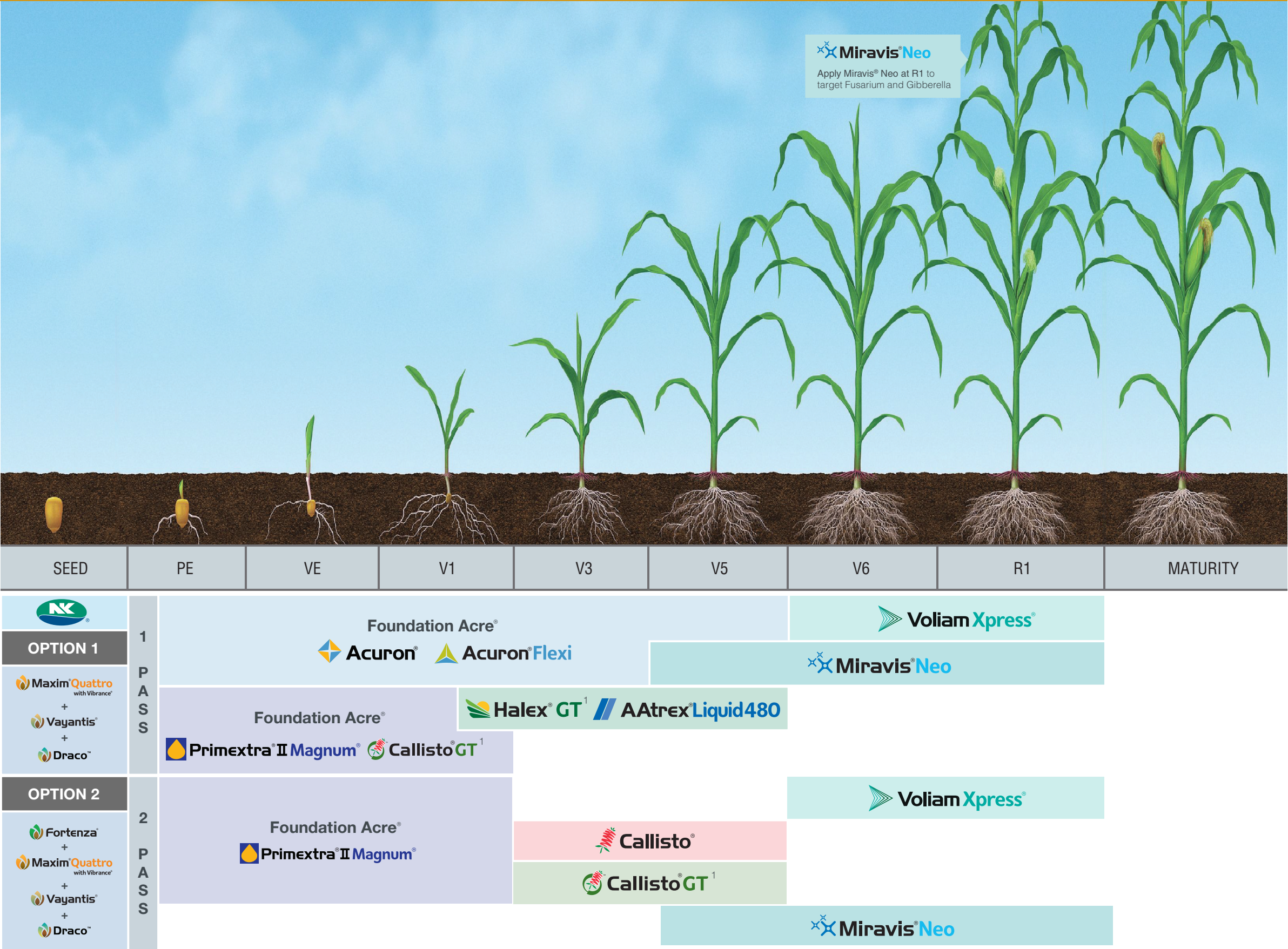
- Force 3G, when used in combination with hybrids that contain single or multiple CRW trait combinations, drives yield.
- Secondary insects or other agronomic factors may influence the decision to use soil insecticide.

## HYBRID ROTATION

- In cases where you are not satisfied with the traited control of CRW, consider rotating trait packages and growing corn with no CRW trait in your field.
- In this scenario, use of insecticides will be required for effective CRW control.

\*For more information on Canadian Corn Pest Coalition recommendations, please visit: <https://fieldcropnews.com/2020/10/mitigation-measures-for-bt-resistant-corn-rootworm/>





¹ Callisto® GT and Halex® GT are for glyphosate-tolerant corn only.



# SOYBEANS

A wide-angle photograph of a soybean field. The rows of green plants stretch far into the distance, creating a strong sense of perspective. The sky is a clear, deep blue, and the lighting suggests a bright, sunny day. The plants are healthy and vibrant green.

Our **soybean varieties** are a  
stalk you want to invest in  
– trust us!



A vertical photograph of a soybean field under a clear blue sky. The field is filled with rows of green soybean plants, stretching towards the horizon.

## Soybean varieties

---

NK draws on proprietary genetics to breed unique, high-yielding soybean varieties. Our soybeans are developed from the industry's largest and most diverse germplasm pool, offering a sizeable selection for a broad range of growing conditions. By doubling the size of our soybean experimental class and increasing our field data points by 40% in the last two years, we've been able to deliver the options you need with the performance you expect.

Take advantage of an unmatched combination of elite genetics, next-generation technology, and leading herbicide traits. Find the perfect mix of agronomic characteristics and herbicide tolerance to help you succeed on your farm.

### Soybean trait index

NK Seeds offers trait choice in high-performing genetics to match your farm's needs.



#### Enlist E3™ soybeans

NK® soybeans with Enlist E3™ trait technology are tolerant to 2,4-D choline (Group 4), glyphosate (Group 9) and glufosinate (Group 10), enabling growers to meet ever-increasing weed challenges, including glyphosate resistance, and helping to maximize profit per acre.



#### Roundup Ready 2 Yield® soybeans

NK soybean varieties bred with Roundup Ready 2 Yield® trait technology are tolerant to glyphosate (Group 9) herbicides.



#### Conventional soybeans

Conventional, identity-preserved soybean varieties from NK have a reputation for quality, are trusted by processors, and give growers a competitive edge in Canadian and international markets.



#### XtendFlex® soybeans

Combines our high-performing NK soybean genetics with triple-stacked herbicide tolerance to dicamba (group 4), glyphosate (group 9) and glufosinate (group 10) for greater application flexibility for managing tough-to-control weeds, pre-emergence and postemergence.



#### Roundup Ready 2 Xtend® soybeans

NK soybean varieties bred with Roundup Ready 2 Xtend® trait technology are tolerant to both glyphosate (Group 9) and dicamba (Group 4) herbicides, allowing growers to use multiple modes of action to help manage tough-to-control weeds, including glyphosate-resistant giant ragweed, common ragweed, and Canada fleabane.



#### Soybean cyst nematode solutions

NK offers two sources of resistance to soybean cyst nematode: PI88788 and Peking. The source of resistance is indicated in the agronomic table.

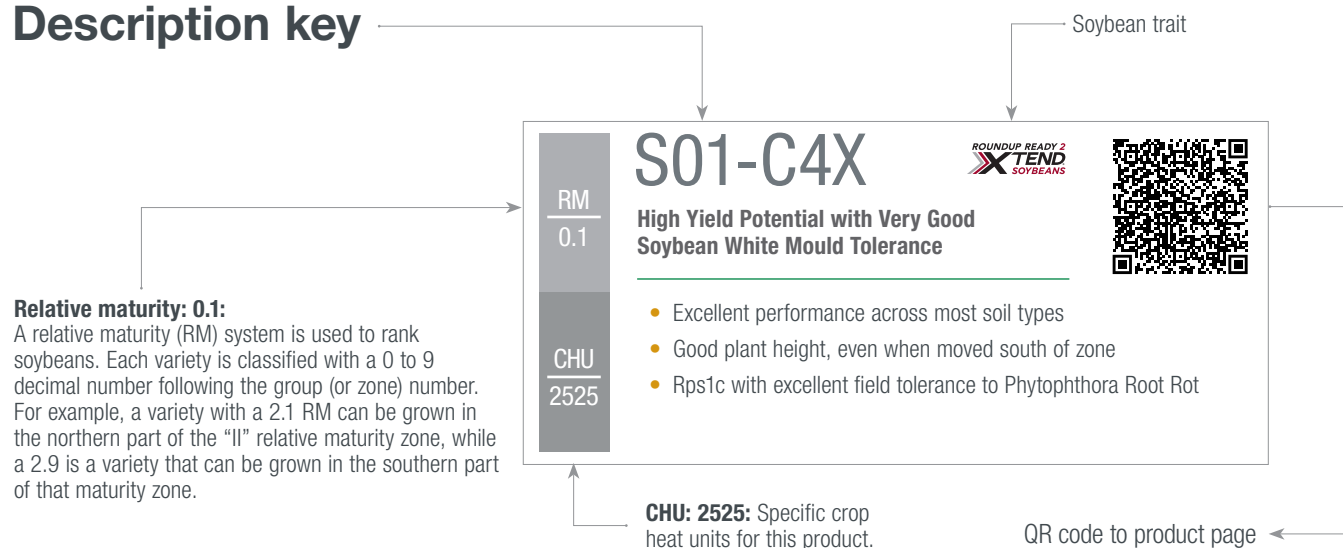
## Naming convention

S07-A7E3

S	07	A7	E3
Syngenta NK Soybean Varieties	Indicates maturity group and relative maturity within the group, on a scale from 0-9 (0 = early; 9 = late).	Randomly designated letter and number.	Indicates herbicides technology E3 = Enlist E3™ XF = XtendFlex® X = Roundup Ready 2 Xtend® Letter and number combination = Roundup Ready 2 Yield®.





























Ratings are based on field observations collected by Syngenta from multiple locations over multiple years. They represent comparisons with NK products only.

## Description key





Agronomic characteristics

PRODUCT	TRAIT	MATURITY		AGRONOMIC/PLANT CHARACTERISTICS							
Variety	Trait stack	Relative maturity	CHU	Emergence	Standability	Wide row	Plant height	Canopy index	Hilum colour	Seed size	
S0007-S1X <b>NEW</b>		0.007	2225	3	4	2	M	4.29	IMY	M	
S0009-F2X <b>NEW</b>		0.009	2275	3	3	4	M	3.96	BR	M	
S0009-M2		0.009	2275	3	3	4	M	3.30	IMY	M	
S003-R5X <b>NEW</b>		0.03	2325	3	3	2	MS	3.96	IMY	M	
S007-Y4		0.05	2350	3	2	1	M	4.62	IMY	M	
S006-K3X <b>NEW</b>		0.06	2375	3	3	1	M	5.61	BF	S	
S007-Z1X		0.07	2400	3	4	1	MT	6.27	BR	L	
S008-N2		0.08	2450	3	3	1	MT	6.27	IMY	L	
S01-C4X		0.1	2525	3	3	2	MT	5.61	BL	M	
S02-M4XF <b>NEW</b>		0.2	2550	3	3	2	MT	5.28	BL	M	
S04-J6X		0.4	2625	3	2	1	M	4.95	BL	M	
S07-K5X		0.7	2700	1	3	2	M	4.62	GR	L	
S09-H7E3 <b>NEW</b>		0.9	2775	3	2	1	MS	5.28	BF	M	
S09-R8X		0.9	2775	3	4	2	MT	5.61	IMY	M	
S10-W8XF <b>NEW</b>		1.0	2800	2	3	1	M	4.95	IMY	M	
S12-M5X		1.2	2825	2	2	1	MS	5.94	BL	VL	
S14-C7XF <b>NEW</b>		1.4	2850	3	3	1	MT	5.61	BR	M	
S14-W6E3		1.4	2850	2	3	2	M	5.28	BF	M	
S16-K2X		1.6	2875	2	3	1	M	4.95	BL	L	
S19-Y5E3		1.9	2950	3	3	1	MT	4.95	BL	M	
S20-L8X		2.0	3025	2	3	2	M	4.95	BL	L	
S22-A2E3 <b>NEW</b>		2.2	3075	3	2	1	M	5.28	IMB	M	
S22-J4X		2.2	3075	3	3	2	M	4.95	BL	L	
S23-K7E3 <b>NEW</b>		2.3	3100	3	3	1	M	5.28	IMB	M	
S25-B6X		2.5	3150	3	3	1	MT	7.26	BR	L	
S26-E3		2.6	3175	2	2	2	M	4.62	BF	S	
S28-H4E3 <b>NEW</b>		2.8	3225	2	2	1	M	5.28	BF	S	
S29-R5X		2.9	3275	2	4	1	MT	6.60	BR	M	

	GRAIN QUALITY		DISEASES/PESTS							GENERAL ADAPTATION			
	Protein rating	Oil rating	SCN resistance source	Soybean cyst nematode	PHYTOPHTHORA		White mould	Sudden death syndrome	Pod and stem blight	Drought prone soils	Highly productive soils	Variable environments	Poorly drained soils
	High	Average	S	S	Rps1c,Rps3a	2	4	-	6	●	★	●	★
	High	Average	S	S	Rps1c	4	4	-	5	●	★	●	●
	Average	Very High	S	S	Rps6	3	3	-	3	●	★	●	●
	Average	Average	S	S	Rps1c	2	3	-	3	★	●	★	★
	High	High	S	S	Rps1c	3	2	-	6	●	★	★	●
	Average	Very High	PI88788	MR3	Rps1c	3	4	-	6	★	★	●	★
	Average	High	S	S	Rps1c	5	5	-	4	★	●	★	●
	Average	High	S	S	S	4	4	-	5	●	●	★	●
	Average	Average	S	S	Rps1c	3	3	2	5	●	★	●	●
	High	Average	PI88788	MR3	Rps1c	3	3	2	5	●	★	★	●
	High	Average	PI88788	MR3	Rps1c	3	4	-	4	★	★	★	★
	Very High	Average	S	S	Rps3a	3	3	-	4	●	●	★	●
	-	-	PI88788	MR3,MR14	Rps1k	2	3	3	5	★	★	★	★
	High	Average	PI88788	R3,MR14	Rps1c	4	4	3	5	★	★	★	●
	High	Average	PI88788	R3	Rps1c	3	3	3	5	★	▼	●	●
	Average	High	PI88788	MR3	Rps1k,Rps3a	2	3	2	2	★	★	★	★
	High	Average	PI88788	MR3	Rps1c	2	2	2	4	●	★	★	●
	High	Average	Peking	MR1,R3,MR5	Rps1c,Rps3a	3	4	4	6	●	★	★	★
	High	Average	PI88788	MR3	Rps1k,Rps3a	2	4	5	5	★	●	★	★
	-	-	PI88788	R3,MR14	Rps1k	3	4	3	4	▼	★	●	●
	High	High	PI88788	R3,MR14	Rps1c	4	2	3	3	●	▼	●	▼
	Average	Average	PI88788	MR3	Rps1c	2	3	2	2	●	★	★	★
	High	High	PI88788	R3,MR14	Rps1c	4	3	3	3	▼	●	▼	★
	Average	Average	PI88788	R3	Rps1c	2	3	3	2	●	★	●	★
	Average	Average	PI88788	R3,MR14	Rps1c	4	3	4	4	●	●	★	★
	Average	High	Peking	CMH/P	Rps1k	4	4	3	-	▼	★	●	●
	High	Average	PI88788	R3	Rps1k,Rps3a	3	3	3	-	●	●	●	●
	Average	High	Peking	R1,R3,MR5	Rps1k	2	4	3	2	●	★	★	★

Soybean chart key

**Relative maturity**  
First number indicates maturity group, second set of numbers indicates within-group maturity rating on a 0–9 scale (0 = Early, 9 = Late).

**Agronomic and disease ratings**  
1 = Best  
9 = Worst  
- = Under evaluation

**Wide Row:**  
1 = Best  
4 = Worst  
For more information on row width refer variety plant types on page 34

**Plant height**  
S = Short  
MS = Medium Short  
M = Medium  
MT = Medium Tall  
T = Tall

**Canopy index**  
Index is calculated using plant height, width and branching characteristics. The larger the number, the larger the plant.

**Colour abbreviations**  
BF = Buff, BR = Brown, BL = Black, GR = Grey  
IMB = Imperfect Black, Y = Yellow, IMY = Imperfect Yellow

**Seed size**  
VL = Very Large = <2000 seeds/lb or <4400 seeds/kg  
L = Large = 2000–2275 seeds/lb or 4400–5000 seeds/kg  
M = Medium = 2275–2725 seeds/lb or 5000–6000 seeds/kg  
S = Small = >2725 seeds/lb or >6000 seeds/kg

**Protein rating**  
Average = <40%  
High = 40–43%  
Very high = 43–45%  
Ultra high = >45%

**Oil rating**  
Average = <22%  
High = 22–23%  
Very high = 23–24%  
Ultra high = >24%

Protein values fluctuate from year to year and field to field.  
Protein and oil values are based on 0% moisture.

**Resistance rating system**  
Indicates when a variety is resistant to a specific disease or pest. For varieties with soybean cyst nematode (SCN) resistance, it is specified which races of nematodes the line is resistant to. In the case of Phytophthora, it indicates the gene conveying the resistance.

**Soybean cyst nematode (SCN) resistance source**  
S = Susceptible, Peking or PI88788,  
CMP/P = Confirmation of Peking by marker.

**Soybean cyst nematode (SCN)**  
1, 3, 5 and/or 14 = Specific race of soybean cyst nematode  
R = Resistant, MR = Moderately Resistant, S = Susceptible

**Phytophthora race resistance**  
The following information correlates gene resistance to the actual races of Phytophthora the plant is protected from:

S = Susceptible  
Rps1a = Resistant to races 1, 2, 10, 11, 13–18, 24, 26, 27, 31, 32, 36, 38  
Rps1c = Resistant to races 1–3, 6–11, 13, 15, 17, 21, 23, 24, 26, 28–30,32, 34, 36, 38, 44  
Rps1k = Resistant to races 1–11, 13–15, 17, 18, 21–24, 26, 36–38, 44  
Rps3a = Resistant to races 1–5, 8, 9, 11, 13, 14, 16, 18, 23, 25, 28, 29, 31–35, 39, 44, 45  
Rps6 = Resistant to races 1–4, 8, 9, 10, 12, 14–16, 18–21, 25, 28, 33–35, 38, 39, 44, 45

**Phytophthora field tolerance**  
Usually not as complete as race-specific resistance, but it offers general protection. Numerical rating scale of 1–9;  
1 = Excellent, 9 = Poor

**Adaptation ratings**  
★ Above average performance  
● Average performance  
▼ Variety may not perform consistently  
✖ Variety not recommended



You have choice.

NK® draws on proprietary genetics to breed unique, high-yielding soybean varieties with strong disease tolerance. We offer a number of soybean varieties so each grower can select the varieties they need to succeed.

Discover the NK difference at [Syngenta.ca/NK-soybeans](https://Syngenta.ca/NK-soybeans)



Agronomic characteristics



CONVENTIONAL

PRODUCT	MATURITY		AGRONOMIC/PLANT CHARACTERISTICS							
Variety	Relative maturity	CHU	Emergence	Standability	Wide row	Plant height	Canopy index	Hilum colour	Seed size	
S03-P4	0.3	2600	3	4	3	MT	4.95	IMY	L	
S03-W4	0.3	2600	3	2	3	M	2.64	IMY	L	
S04-K9	0.4	2625	2	3	2	M	4.95	Y	VL	
S07-M8	0.7	2725	3	1	3	M	2.97	IMY	VL	
S10-R2	1.0	2800	3	5	1	MT	6.60	Y	L	
S12-J7	1.2	2825	3	3	2	M	4.29	Y	VL	
S21-C6	2.1	3050	3	3	1	T	7.26	Y	VL	

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Rps1c = Resistant to races 1–3, 6–11, 13, 15, 17, 21, 23, 24, 26, 28–30, 32, 34, 36, 38, 44  
Rps1k = Resistant to races 1–11, 13–15, 17, 18, 21–24, 26, 36–38, 44  
Rps3a = Resistant to races 1–5, 8, 9, 11, 13, 14, 16, 18, 23, 25, 28, 29, 31–35, 39, 44, 45  
Rps6 = Resistant to races 1–4, 8, 9, 10, 12, 14–16, 18–21, 25, 28, 33–35, 38, 39, 44, 45

**Phytophthora field tolerance**  
Usually not as complete as race-specific resistance, but it offers general protection. Numerical rating scale of 1– 9;  
1 = Excellent, 9 = Poor

**Adaptation ratings**

★ Above average performance  
● Average performance  
▼ Variety may not perform consistently  
✖ Variety not recommended

GRAIN QUALITY		DISEASES/PESTS							GENERAL ADAPTATION			
Protein rating	Oil rating	SCN resistance source	Soybean cyst nematode	PHYTOPHTHORA		White mould	Sudden death syndrome	Pod and stem blight	Drought prone soils	Highly productive soils	Variable environments	Poorly drained soils
				Gene resistance	Field tolerance							
Ultra High	Average	PI88788	MR3	Rps1c,Rps3a	3	4	3	3	●	★	●	★
Very High	Average	S	S	Rps1c	2	3	4	2	●	★	●	★
Ultra High	Average	PI88788	R3,R14	Rps1c	2	3	3	5	●	●	●	●
Very High	Average	S	S	Rps1c	3	2	5	2	●	★	●	●
Ultra High	Average	PI88788	R3	S	3	5	5	8	●	▼	●	★
Very High	Average	PI88788	MR3,R14	Rps1c,Rps3a	2	4	2	4	●	★	★	▼
Ultra High	Average	PI88788	MR3	S	4	4	5	4	●	●	●	●

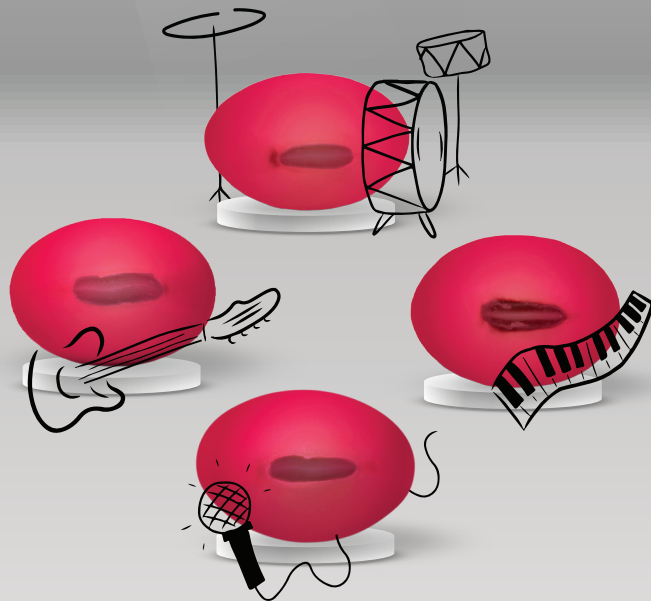


## Four ways to rock early season disease

Dig the sweet new sound of Vayantis® IV soybean seed treatment!

With four modes of action – including new breakthrough chemistry – you get next-level performance against a wide range of early season diseases, including Phytophthora. Plus – the added benefit of Rooting Power® helps build stronger roots, for a soybean stand that can get rockin’, rollin’ and yielding, even in tough spring conditions.

Visit [Syngenta.ca/VayantisIV](https://Syngenta.ca/VayantisIV) to see how Vayantis IV can help you have a smash hit start to the season.



 **Vayantis® IV**

**syngenta®**

## Population recommendations by management zone



### VARIETY PLANT TYPES

Thin	Between	Branching
	S09-H7E3	
	S14-W6E3	
	S19-Y5E3	
	S22-A2E3	
	S23-K7E3	
	S26-E3	
	S28-H4E3	



### VARIETY PLANT TYPES

Thin	Between	Branching
S0009-M2		
	S007-Y4	
		S008-N2



### VARIETY PLANT TYPES

Thin	Between	Branching
	S0007-S1X	
S0009-F2X		
S003-R5X		
	S006-K3X	
		S007-Z1X
	S01-C4X	
	S04-J6X	
	S07-K5X	
	S09-R8X	
		S12-M5X
	S16-K2X	
	S20-L8X	
	S22-J4X	
		S25-B6X
		S29-R5X



### VARIETY PLANT TYPES

Thin	Between	Branching
	S02-M4XF	
	S10-W8XF	
	S14-C7XF	



CONVENTIONAL

### VARIETY PLANT TYPES

Thin	Between	Branching
	S03-P4	
S03-W4		
	S04-K9	
	S07-M8	
		S10-R2
	S12-J7	
		S21-C6

**Thin** varieties perform best grown in row widths of 15" or less

**Between** varieties can be managed to act either thin or branching

**Branching** varieties excel in row widths of 20" or greater with performance across all row widths

### YIELD ENVIRONMENT (BU/AC)

SOIL TYPE	PLANT TYPE	> 60	40–60	< 40
Sand	Thin	150,000	175,000	200,000
	Branching	120,000	150,000	180,000
Clay	Thin	180,000	200,000	225,000
	Branching	140,000	165,000	190,000
Loam	Thin	160,000	180,000	200,000
	Branching	100,000	125,000	150,000

### Increase population by 10% over recommendations if:

- Field has poor drainage and history of early season establishment issues
- Field has history of soil crusting and early season establishment issues
- Planting soybeans later in the season (after June 15<sup>th</sup>)

### Decrease population by 10–20% under recommendations if:

- Field has a high risk or history of white mould

### Row width considerations:

- Consider selecting between and branching varieties for row widths of 20" or greater

Population recommendations and variety positioning performance ratings are based on Eastern Canadian field trials and are not necessarily representative of the North American data provided on pages 30-33

# Genetics x Environment x Management = High-yielding soybeans



## Genetics

**Seed:** Select high-performing seed bred for local conditions.

**SCN protection:** Guard against yield loss with pest-resistant seed.

X



## Environment

**Pest management:** Protect crops against weeds, pests and diseases.

**Soil type:** Understand how to optimize growth by soil type.

**Weather:** Prepare for and respond to specific weather conditions.

X



## Management

**Fertility:** Monitor crop nutrition and take appropriate action.

**Stand establishment:** Make Seedcare™ and planting decisions to start off strong.

**Equipment:** Calibrate precision equipment for peak performance.

**Harvest management:** Maximize yield through timing and equipment.

## White mould

- Top yield-robbing disease in soybeans with losses of up to 75%.
- Our research capabilities help ensure growers have excellent solutions to white mould.



### How to manage:

- Select genetics with excellent tolerance where possible.
- In fields with white mould history and high-risk environments, reduce populations by 10% for varieties with an "excellent" rating and up to 20% for varieties with an "average" rating.
- Consider applying Allegro® fungicide as part of a white mould integrated pest management (IPM) strategy.



EXCELLENT	AVERAGE
S02-M4XF	
S10-W8XF	
S14-C7XF	



EXCELLENT	AVERAGE
S09-H7E3	S14-W6E3
S19-Y5E3	S26-E3
S22-A2E3	
S23-K7E3	
S28-H4E3	

EXCELLENT		AVERAGE	
S003-R5X	S20-L8X	S0007-S1X	S04-J6X
S01-C4X	S22-J4X	S0009-F2X	S09-R8X
S07-K5X	S25-B6X	S006-K3X	S16-K2X
S12-M5X		S007-Z1X	S29-R5X

EXCELLENT	AVERAGE
S0009-M2	S008-N2
S007-Y4	

EXCELLENT	AVERAGE
S03-W4	S03-P4
S04-K9	S10-R2
S07-M8	S12-J7
	S21-C6



### Pod and stem blight

- Small black raised dots (pycnidia) often in rows on the stem and no pattern on the pods.
- Fungus overwinters in seed and crop residue.
- Warm, wet or humid weather during pod fill favours disease development.

#### How to manage:

- Variety selection
- Fungicide application
- Residue management



**X TENDFLEX**  
SOYBEANS

EXCELLENT	AVERAGE
	S02-M4XF
	S10-W8XF
	S14-C7XF



EXCELLENT	AVERAGE
S19-Y5E3	S09-H7E3
S22-A2E3	S14-W6E3
S23-K7E3	

**ROUNDUP READY 2**  
**X TEND**  
SOYBEANS

EXCELLENT	AVERAGE	
S003-R5X	S0007-S1X	S04-J6X
S12-M5X	S0009-F2X	S07-K5X
S20-L8X	S006-K3X	S09-R8X
S22-J4X	S007-Z1X	S16-K2X
S29-R5X	S01-C4X	S25-B6X

**Roundup Ready 2 YIELD**  
SOYBEANS

EXCELLENT	AVERAGE
S0009-M2	S007-Y4
	S008-N2



CONVENTIONAL

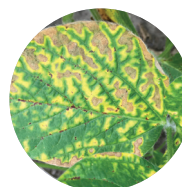
EXCELLENT	AVERAGE
S03-W4	S04-K9
S03-P4	S10-R2
S07-M8	S12-J7
	S21-C6

### Sudden death syndrome (SDS)

- Caused by the fungal disease *Fusarium virguliforme*.
- Potentially linked with soybean cyst nematode (SCN), as nematode feeding allows the entry of secondary pathogens.
- Leaf symptoms caused by toxins produced by the fungus.

#### How to manage:

- Choose varieties with SDS and SCN resistance
- Apply Saltro seed treatment (see page 42)



EXCELLENT	AVERAGE
S09-H7E3	S14-W6E3
S19-Y5E3	
S22-A2E3	
S23-K7E3	
S26-E3	
S28-H4E3	

**ROUNDUP READY 2**  
**X TEND**  
SOYBEANS

EXCELLENT	AVERAGE	
S01-C4X	S20-L8X	S16-K2X
S09-R8X	S22-J4X	S25-B6X
S12-M5X	S29-R5X	

**X TENDFLEX**  
SOYBEANS

EXCELLENT	AVERAGE
S02-M4XF	
S10-W8XF	
S14-C7XF	



CONVENTIONAL

EXCELLENT	AVERAGE
S03-P4	S03-W4
S04-K9	S07-M8
S12-J7	S10-R2
	S21-C6

Population recommendations and variety positioning performance ratings are based on Eastern Canadian field trials and are not necessarily representative of the North American data provided on pages 30-33.

## Brown stem rot (BSR)

- Pathogen survives in crop debris.
- Infection occurs early in the season but foliar symptoms appear when pods begin to fill (R3-R4).
- Pith will show brown discolouration.

### How to manage:

- Rotation
- Residue management
- Variety selection




EXCELLENT	AVERAGE
S02-M4XF	S10-W8XF
S14-C7XF	




EXCELLENT	AVERAGE
S09-H7E3	S26-E3
S14-W6E3	
S22-A2E3	
S23-K7E3	
S28-H4E3	

EXCELLENT	AVERAGE
S0009-F2X S07-K5X	S09-R8X S25-B6X
S007-Z1X S12-M5X	S20-L8X S29-R5X
S01-C4X S16-K2X	S22-J4X
S04-J6X	



EXCELLENT	AVERAGE
	S0009-M2
	S007-Y4
	S008-N2


CONVENTIONAL

EXCELLENT	AVERAGE
S03-P4	S12-J7
S04-K9	
S10-R2	
S21-C6	

## Phytophthora root rot (PRR) How to manage:

- Caused by soil-borne pathogen Phytophthora sojae.
- Most common on poorly drained soils.
- Can infect at all plant stages when conditions favour the pathogen.
- Symptoms usually become apparent two weeks after heavy rains.
- Genetic selection against PRR should include major genes – Rps genes and field tolerance.

- Apply Vayantis IV\* seed treatment
- Variety selection
- Improve soil drainage




EXCELLENT	AVERAGE
S02-M4XF	
S10-W8XF	
S14-C7XF	




EXCELLENT	AVERAGE
S09-H7E3	S26-E3
S14-W6E3	
S19-Y5E3	
S22-A2E3	
S23-K7E3	
S28-H4E3	

EXCELLENT	AVERAGE
S0007-S1X S07-K5X	S0009-F2X
S003-R5X S12-M5X	S007-Z1X
S006-K3X S16-K2X	S09-R8X
S01-C4X S29-R5X	S20-L8X
S04-J6X	S22-J4X
	S25-B6X




EXCELLENT	AVERAGE
S0009-M2	S008-N2
S007-Y4	


CONVENTIONAL

EXCELLENT	AVERAGE
S03-W4	S21-C6
S03-P4	
S04-K9	
S07-M8	
S10-R2	
S12-J7	


Vayantis® IV is an on-seed treatment of Vibrance® Trio fungicide seed treatment and Vayantis fungicide seed treatment.



**S0007-S1X** 

**Ultra Early Variety with Strong Agronomics with Great Yield Potential**

- Rps1c/3a gene stack with very strong Phytophthora field tolerance
- Strong performance across yield levels with excellent top-end yield potential
- Medium plant type that works well across variable acres

**NEW** RM 0.007 CHU 2225





**S006-K3X**  

**Excellent Agronomics with Soybean Cyst Nematode Resistance**

- Branchy bean with performance in all yield environments and row widths
- Very good Phytophthora Root Rot tolerance combined with the Rps1c gene
- Strong standability for the highly productive acre

**NEW** RM 0.06 CHU 2375





**S0009-F2X** 

**Narrow-leaf Variety with Strong Yield Potential**

- Medium tall plant type that maintains height across variable acres
- Best performance on medium to coarse textured soils
- Rps1c with good field tolerance to Phytophthora Root Rot

**NEW** RM 0.009 CHU 2275





**S007-Z1X** 

**Outstanding Performance Across Environments with Great Top-end Yield Potential**

- Strong emergence and quick canopy closure in a short season maturity
- Great performance to move south of zone as an early harvest option
- Large plant type that performs well across soil types and row widths

RM 0.07 CHU 2400





**S0009-M2** 

**High Yield Potential with Very Good Stress Tolerance**

- Maintains medium plant height across variable environments
- Dependable Phytophthora Root Rot field tolerance with Rps6 gene
- Strong tolerance to Soybean White Mould

RM 0.009 CHU 2275





**S008-N2** 

**Strong Yield Performance Across Environments**

- Large plant type with good canopy closure, even under stress
- Moves south of zone well
- Strong emergence for early-season establishment

RM 0.08 CHU 2450





**S003-R5X** 

**Outstanding Yield with Broad-acre Adaptability**

- Rps1c with excellent tolerance to Phytophthora Root Rot
- Performs well across all yield environments and soil types
- Excellent standability with very good tolerance to Soybean White Mould

**NEW** RM 0.03 CHU 2325





**S01-C4X** 

**High Yield Potential with Very Good Soybean White Mould Tolerance**

- Excellent performance across most soil types
- Good plant height, even when moved south of zone
- Rps1c with excellent field tolerance to Phytophthora Root Rot

RM 0.1 CHU 2525






**S007-Y4** 

**Recognized Yield Performer with Broad Adaptation**

- Excellent standability for ease of harvest
- Strong Phytophthora Root Rot field tolerance with the Rps1c gene
- Solid emergence with excellent White Mould tolerance

RM 0.05 CHU 2350




**S02-M4XF**  

**Known Genetics with Broad Adaptation and Soybean Cyst Nematode Resistance**

- Strong standability and Soybean White Mould tolerance
- Rps1c gene with very good Phytophthora field tolerance
- Good fit for highly productive and stress acres

**NEW** RM 0.2 CHU 2550



RM  
0.4

## S04-J6X

**Strong Agronomics with Exceptional Performance Across Yield Levels**



- Soybean cyst nematode resistance
- Excellent standability for the highly productive acre
- Maintains performance and height on lower yielding acres

CHU  
2625

RM  
1.2

## S12-M5X

**Outstanding Disease Package with Very Strong Agronomics**



- Great performance across yield levels, excelling in high yield environments
- Excellent Phytophthora field tolerance with desired Rps1k/3a gene stack
- Flexibility to place north and south of zone

CHU  
2825

RM  
0.7

## S07-K5X

**Strong Performance Across Yield Environments Excelling on Tougher Acres**



- Desired Rps3a Phytophthora Root Rot gene
- Taller plant with very good standability
- Strong White Mould tolerance

CHU  
2700

RM  
1.4

## S14-C7XF

**Consistent Yield with Complete Defensive Package**



- Proven genetics that are broadly adapted across soil types
- Excellent standability with strong tolerance to Soybean White Mould
- Good choice for poorly drained soils

CHU  
2850

RM  
0.9

## S09-H7E3

**Yield Stability Across Changing Environments**



- Excellent standability with dependable tolerance to Soybean White Mould
- Very strong field tolerance to Phytophthora Root Rot with the Rps1k gene
- Good performance in all yield environments, including stress acres

CHU  
2775

RM  
1.4

## S14-W6E3

**Peking Soybean Cyst Nematode Protection with Strong Yields**



- Stacked Rps1c,3a genes with very good tolerance to Phytophthora root rot
- Performs well on tough ground and highly productive acres
- Very good standability

CHU  
2850

RM  
0.9

## S09-R8X

**Big Yields with Broad Adaptation**



- Performs well regardless of soil type, yield environment, or geography
- Rps1c with above-average tolerance to Phytophthora Root Rot
- Good pod height for easy harvest

CHU  
2775

RM  
1.6

## S16-K2X

**Early bean for wheat planting with strong performance on clay soils**



- Excellent performance across yield environments
- Desired Rps1k/3a Phytophthora gene stack
- Great emergence and standability

CHU  
2875

RM  
1.0

## S10-W8XF

**Solid Agronomics and Disease Tolerance**



- Broad adaptation across soil types
- Rps1c gene and solid field tolerance to Phytophthora Root Rot
- Excellent choice for variable acres maintaining plant height

CHU  
2800

RM  
1.9

## S19-Y5E3

**Strong performance across yield levels and soil types**



- Very good tolerance to Sudden Death Syndrome
- Rps1k gene with strong field tolerance to Phytophthora Root Rot
- Very good standability with solid Soybean White Mould tolerance

CHU  
2950



RM  
2.0

## S20-L8X

**Outstanding Stress Tolerance  
with High Yield Potential**



- Excellent sudden death syndrome and white mould tolerance
- Fast emergence under tough soil conditions
- Excels in lower yielding environments

CHU  
3025

RM  
2.6

## S26-E3

**Top-end Yield Potential with  
Unique Peking Source of Soybean  
Cyst Nematode Resistance**



- Strong sudden death syndrome tolerance
- Great standability for the highly productive acre
- Best performance in mid to high yield environments

CHU  
3175

NEW

RM  
2.2

## S22-A2E3

**Strong Performance Across Yield  
Environments with Exciting Disease Package**



- Excellent standability with very good Soybean White Mould tolerance
- Strong Sudden Death Syndrome tolerance
- Rps1c gene with excellent Phytophthora field tolerance

CHU  
3075

NEW

RM  
2.8

## S28-H4E3

**Great Disease Package with Strong  
Performance Across Yield Environments**



- Strong Sudden Death Syndrome and Soybean White Mould tolerance
- Stacked Rps1k/3a genes with solid Phytophthora field tolerance
- Excellent drought tolerance

CHU  
3225

RM  
2.2

## S22-J4X

**Top-end Yield**



- Excellent performance across most soil types
- Excellent sudden death syndrome tolerance and white mould tolerance
- Very good stress tolerance

CHU  
3075

RM  
2.9

## S29-R5X

**Suitable for 2.7 to 3.1 maturity  
with Peking source of SCN  
resistance**



- Excellent speed of emergence and larger plant type for early season establishment
- Outstanding Phytophthora Root Rot field tolerance with Rps1k genetic resistance
- Very strong performance across soil types while maintaining plant height

CHU  
3275

NEW

RM  
2.3

## S23-K7E3

**Broadly Adapted with  
Defense to Protect Yield**



- Strong Soybean White Mould tolerance and standability for the highly productive acre
- Strong tolerance to Sudden Death Syndrome
- Rps1c gene with solid performance in waterlogged soils

CHU  
3100

NOTES:

RM  
2.5

## S25-B6X

**High-performing Soybean  
Across Many Yield  
Environments**



- Tall, bushy plant type provides fast canopy closure
- Strong white mould tolerance
- Outstanding drought tolerance

CHU  
3150

## S03-P4

**Trusted High-performing Genetics with Soybean Cyst Nematode Resistance**



- Genetics highly related to S03-W4 with same broad adaptation
- Higher protein over S03-W4 to drive premiums
- Stacked Rps1c/3a genes with very good Phytophthora field tolerance

RM  
0.3

CHU  
2600

## S10-R2

**High-yielding Stress-tolerant Soybean with Great Food-grade Qualities**



- Tall, bushy plant type that canopies quickly
- Excellent yields on tough acres
- Great root disease protection package for early-season start

RM  
1.0

CHU  
2800

## S03-W4

**Grower, Exporter and Processor Preferred**



- Excellent disease package for dependable performance
- High yield and export demand
- Consistent performer in most soil types and tillage systems

RM  
0.3

CHU  
2600

## S12-J7

**Broadly Adapted Yellow Hilum with Excellent Food-grade Qualities**



- Top-end yield potential for highly productive acres
- Strong Soybean Cyst Nematode protection and desired Rps1c/3a Phytophthora gene stack
- Exceptional food-grade qualities to drive higher premiums

RM  
1.2

CHU  
2825

## S04-K9

**Yellow Hilum with Very High Protein**



- Soybean cyst nematode resistance in a food-grade variety
- Excellent Phytophthora root rot field tolerance with Rps1c gene
- Very good emergence and early season vigour providing a strong start

RM  
0.4

CHU  
2625

## S21-C6

**Yellow Hilum with Soybean Cyst Nematode Resistance and Ultra High Protein**



- Consistent performance across yield levels
- Robust plant type that canopies early
- Solid performance across soils, excelling on clay-based soils

RM  
2.1

CHU  
3050

## S07-M8

**Improved Yield with Excellent Food-grade Qualities**



- Tall plant type with very good standability
- Rps1c with above-average Phytophthora root rot field rating
- Excellent Soybean White Mould tolerance

RM  
0.7

CHU  
2725

### NOTES:

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### Protect your investment

With NK seed, we tap into the latest Seedcare™ innovations from Syngenta, so you can protect your investment against early-season insect and disease threats.

We're offering a choice of two soybean Seedcare packages with the option to add Saltro® on select varieties.

	DISEASES CONTROLLED CAUSED BY						INSECTS						
	Fusarium	Rhizoctonia	Pythium	Phomopsis	Phytophthora megasperma var. sojae	Sudden death syndrome	Bean leaf beetle	Black cutworm	European chafer	June beetle	Seed corn maggot	Soybean cyst nematode	Wireworm
PACKAGE 1													
 Vayantis® IV	●	●	●	●	●								
PACKAGE 2													
 Fortenza®	●	●	●	●	●		●	● <sup>1</sup>	●	●	●		●
 Vayantis® IV	●	●	●	●	●								
ADD-ON OPTION													
 Saltro®						●						●	

ROOTING  
POWER

ROOTING  
POWER

### Legend

● Control

<sup>1</sup> Use for early season feeding damage from bean leaf beetle.





**Vayantis® IV** fungicide seed treatment protects soybeans against a wide range of early-season seed and seedling diseases, including Phytophthora, and offers the broadest spectrum of Pythium control on the market. Vayantis IV also provides a novel mode of action with no known cross-resistance, and the Rooting Power® of Vibrance® so soybeans can better defend against soil-borne diseases and get established and standing strong – faster.



**Fortenza®** is a Group 28 insecticide seed treatment that provides control of seed corn maggot, wireworm, European chafer and June beetle. Even under heavy insect pressure, Fortenza helps growers build a strong soybean stand with faster, more uniform growth.



For growers facing sudden death syndrome (SDS) challenges in their soybeans, **Saltro®** fungicide seed treatment sets the new standard in efficacy against SDS without negatively impacting early season development, so they can prevent SDS confidently and protect their profit potential.

## STRONGER. FASTER. BETTER.

The advancements in our dual action inoculants provides a lower application rate leaving more space on-seed. While our LCO technology creates more nitrogen fixing nodules for a quicker start.

Take advantage of our expertise.  
Take the opportunity to outperform.

Contact your local rep or visit us online.

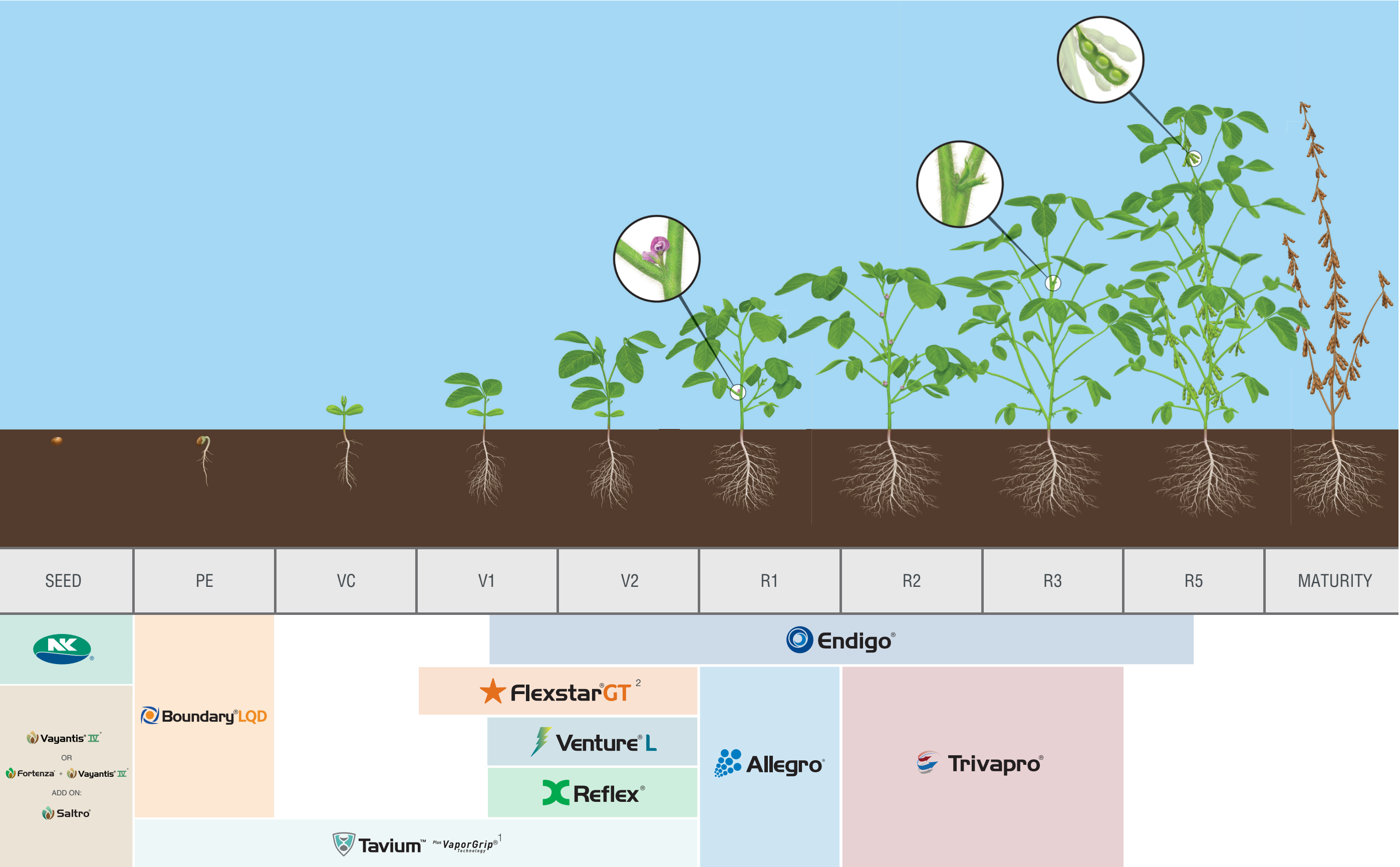
### Optimize® LV

SOYBEAN

RESULTS YOU CAN COUNT ON. **NexusBioAg**

[nexusbioag.com](https://nexusbioag.com)

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<sup>1</sup>Tavium Plus VaporGrip® Technology is for Roundup Ready 2 Xtend® soybeans only. <sup>2</sup>Flexstar GT is for glyphosate-tolerant soybeans only.



### The Enlist™ weed control system will change how you think about weed management in soybeans.

Enlist E3™ soybean varieties are now available. Using the Enlist weed control system, farmers can take control of resistant and hard-to-control weeds.

#### WHY USE THE ENLIST WEED CONTROL SYSTEM?

- › A system with new traits providing herbicide tolerance in soybeans and corn
- › Herbicide solutions built on an improved form of 2,4-D that lands and stays on target, enables management of hard-to-control and resistant weeds with Group 4 herbicides
- › Enlist Stewardship resources that support the use of multiple modes of action to manage resistant weeds, provide training, and promote responsible and sustainable use

### Enlist E3™ Soybeans

Enlist E3 soybeans provide high-yielding soybean genetics and industry leading triple-mode of action herbicide tolerance.

#### WHY USE ENLIST E3 SOYBEANS?

- › Enlist E3 soybeans are tolerant to 2,4-D, glyphosate and glufosinate herbicides, which are part of a strong resistance management strategy
- › Excellent crop tolerance enabling applications up to the R2 growth stage

### Enlist™ herbicides that land and stay on target



#### COMPLETE CONVENIENCE.

Enlist Duo provides the convenience of both 2,4-D choline and glyphosate in one formulation for control of grasses and broadleaf weeds including hard-to-control and resistant weeds.



#### FLEXIBILITY AND CHOICE.

Enlist 1, a stand-alone 2,4-D choline formulation, provides the flexibility to tank-mix and adjust the rates of glyphosate or Liberty® 200 SN (glufosinate) for hard-to-control and resistant weeds.

COLEX•D™ technology			
WHAT GOES INTO IT			
2,4-D choline with Colex-D Technology	Latest formulation science	Proprietary manufacturing process	
WHAT IT DELIVERS			
Near zero volatility	Minimized potential for physical drift	Low odour	Improved handling characteristics

Learn more at [EnlistCanada.ca](https://www.enlistcanada.ca)

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### The value of seed applied insecticides

Seed applied insecticides (SAIs) represent one of the most advanced forms of crop protection technology available, offering growers a targeted, environmentally sustainable means of pest management. Applied directly to the seed only where needed, SAIs require less active ingredient per acre compared to foliar and soil-applied pesticides, and minimize off-target drift, reducing the impact on non-target organisms. For growers who require a fungicide-only seed treatment, NK soybean seed will be available treated with Vayantis® IV seed treatment, and NK corn seed is available treated with Maxim® Quattro with Vibrance® seed treatment.

### Protecting pollinators on the farm

Syngenta is committed to protecting pollinators and continues work to develop and implement additional solutions to address dust generated when planting treated corn and soybean seed and to further efforts on other bee health issues.

Best management practices for the handling of seed treated with an insecticide are an important tool to help maximize the benefits of seed treatments and protect bees and other non-target insects at the same time.

**For more information, please visit [beehealth.ca](http://beehealth.ca)**

Always read and follow label directions.

## Syngenta Stewardship

Syngenta is committed to investing in new technologies and genetics to develop valuable agricultural advancements. We offer innovative tools and products, expert agronomic advice, and support best management practices designed to help Canadian growers produce their best crop.

We recognize that agriculture can only be sustainable if the products we develop are well-understood and well-handled throughout their lifecycle. Syngenta remains dedicated to the responsible and ethical management of our products.

Stewardship is an ethic that embodies the responsible planning and management of resources. Seed stewardship is the duty of everyone in the agricultural community.

All NK® Seeds Canada farmers are required to have an active Syngenta Stewardship Agreement in place, which provides a license to grow the technologies listed in this seed guide along with the genetics offered. The Syngenta Stewardship Agreement must be signed by an authorized grower prior to the delivery of any NK Seeds Canada products.

Please review and sign the Syngenta Stewardship Agreement online at [www.syngenta.ca/stewardship-agreement](http://www.syngenta.ca/stewardship-agreement). If you have any questions or concerns, please do not hesitate to reach out to your NK Territory Sales Representative.

Please note, prior to opening a bag of NK seed or using the Trubulk® seed, be sure to read and understand the stewardship requirements applicable to the seed. By opening and using a bag of NK Seeds Canada seed, you are reaffirming your obligation to comply with those stewardship requirements.

## Syngenta stewardship best management practices for corn

### Insect resistance management (IRM)

Bt corn must have an insect resistance management plan. This is a requirement set by the Canadian Food Inspection Agency (CFIA). It is also a strategy endorsed by leading scientists to reduce the risk of insect populations developing resistance to Bt corn.

Syngenta is committed to following, supporting, and providing growers with relevant information to help them implement the IRM requirements set by the CFIA. Therefore, all growers must sign a Syngenta Stewardship Agreement before taking delivery of any Agrisure insect protected corn. Doing so will, in part, demonstrate their commitment to supporting the best management practices to reduce the potential risk of insects developing resistance to the Bt traits.

It is important to recognize that different products may have different insect resistance management requirements.

### Failure to comply with refuge requirements may:

- Lead to insect resistance
- Slow down the introduction of new corn technologies that provide additional insect protection
- Affect grower access to Agrisure traited products

### Scouting is essential!

Proper observation of your fields, as well as other integrated pest management strategies, will also aid in increasing the longevity of insect traits in the field. In order to first determine potential pest impact, a grower should consider pest populations in the area, crop damage from insect feeding seen in the previous year, and the rotation of the crop (to consider pest overwintering habitats).

Scout refuge plantings to determine the level of insect pressure in your field, then scout the Agrisure hybrids to note their effectiveness and look for signs of damage that may indicate resistance to either the Bt trait or the corn rootworm trait. If concerns arise, please contact your local Syngenta Representative immediately for further field investigation.

### Growers should rotate every year if:

- Fields have been in long-term continuous corn systems
- Target insect populations are high
- There have been problems with insect-resistant trait performance

**Rotation to crops such as soybeans, alfalfa or small grains will aid in removing the pests' food source and cause a population shift.**

For more information about Syngenta corn stewardship, please visit: [Syngenta.ca/seedstewardship](https://Syngenta.ca/seedstewardship)



Before opening a bag of seed, be sure to read and understand the stewardship requirements, including applicable refuge requirements when planting insect protected traits as set forth in the Syngenta Stewardship Agreement that you sign. By opening and using a bag of seed, you are reaffirming your obligation to comply with those stewardship requirements.

To view recommended planting layouts, maps and configurations, please visit the Canadian Corn Pest Coalition at [cornpest.ca](https://cornpest.ca) or request a Grower's Handbook at 1-800-756-7333.



# CONTACT

## Have questions?

### Your rep can help.

Your Syngenta representative understands local conditions and has the experience and expertise to recommend the right seed and crop protection solutions for your farm.

### Not sure who to contact?



#### Visit

<https://www.syngenta.ca/findmyrep>



#### Contact

our Customer Interaction Centre at  
1-87-SYNGENTA (1-877-964-3682)





#### Benefits of Certified Seed

Sharing the Message – Success, Farmers Plant It

A purchase of Certified Seed opens the door to new opportunities for success:

- Quality assurance
- Access to new and improved varieties
- Efficient use of inputs
- New marketing opportunities
- Supports the development of new varieties for the future



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**Bayer is a member of Excellence Through Stewardship® (ETS).** Bayer products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with Bayer's Policy for Commercialization of Biotechnology-Derived Plant Products in Commodity Crops. These products have been approved for import into key export markets with functioning regulatory systems. Any crop or material produced from these products can only be exported to, or used, processed or sold in countries where all necessary regulatory approvals have been granted. It is a violation of national and international law to move material containing biotech traits across boundaries into nations where import is not permitted. Growers should talk to their grain handler or product purchaser to confirm their buying position for these products. Excellence Through Stewardship® is a registered trademark of Excellence Through Stewardship.

**ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS.** It is a violation of federal law to use any pesticide product other than in accordance with its labeling. NOT ALL formulations of dicamba, glyphosate or glufosinate are approved for in-crop use with products with XtendFlex® Technology. ONLY USE FORMULATIONS THAT ARE SPECIFICALLY LABELED AND APPROVED FOR SUCH USES. Contact the Pest Management Regulatory Agency with any questions about the approval status of dicamba herbicide products for in-crop use with Roundup Ready 2 Xtend® soybeans or products with XtendFlex® Technology.

**Always read and follow label directions. Roundup Ready® 2 Technology contains genes that confer tolerance to glyphosate. Roundup Ready 2 Xtend® soybeans contains genes that confer tolerance to glyphosate and dicamba. Products with XtendFlex® Technology contain genes that confer tolerance to glyphosate, glufosinate and dicamba. Glyphosate** will kill crops that are not tolerant to glyphosate. **Dicamba** will kill crops that are not tolerant to dicamba. **Glufosinate** will kill crops that are not tolerant to glufosinate. Roundup Ready 2 Xtend®, Roundup Ready 2 Yield® and XtendFlex® are registered trademarks of Bayer Group. Used under license. Bayer CropScience Inc. is a member of CropLife Canada. © 2022 Bayer Group. All rights reserved.

Hybrid names, as opposed to variety names, are stated in this seed guide. Please contact Syngenta directly or consult the product's bag/tag to obtain the product's variety name.

Performance evaluations are based on internal trials, field observations and/or public information. Data from multiple locations and years should be consulted whenever possible. Individual results may vary depending on local growing, soil and weather conditions.

These are general considerations. Always consider the specific situation on your field and exercise good agronomic practices.

NK® soybean varieties are protected under granted or pending Canadian variety patents and other intellectual property rights, regardless of the trait(s) within the seed.

The seeds, traits, and technology contained herein, as well as the parental lines and progeny, are covered by intellectual property protection, which may include plant variety certificates, trade secrets and patents which may include, but are not limited to, patented germplasm, transgenic traits, native traits, transformation technologies, methods of use and breeding methods. The purchase/bailment/transfer of these seeds conveys no right under any intellectual property to use these seeds for any purpose. A conditional right for a specific use, including planting for a single commercial crop, must be first obtained by entering into a Syngenta Stewardship Agreement.

**Always read and follow label directions.** Maxim Quattro with Vibrance is an on-seed application of Maxim Quattro Seed Treatment fungicide and Vibrance 500FS Seed Treatment fungicide. Miravis® Neo refers to Miravis® Neo 300SE fungicide. Trivapro® is a co-pack of Trivapro® A fungicide and Trivapro® B fungicide. Vayantis IV is a co-pack of Vibrance Trio fungicide seed treatment and Vayantis fungicide seed treatment. AAtrex®, Acuron®, Agrisure®, Artesian™, Allegro®, Boundary®, Callisto®, Draco®, Duracade™, DuracadeViptera™, Endigo®, E-Z Refuge®, Flexstar®, Force®, Fortenza®, Foundation Acre®, Halex®, IP Globe™, Magnum®, Maxim®, Mertect®, Miravis®, NK®, NK® and Design, Primextra®, Reflex®, Rooting Power®, RTA®, Saltro®, SCN Solutions™, Seedcare™, Tavium®, Trivapro®, Vayantis®, Venture®, Vibrance®, Viptera™, Voliam Xpress® and the Syngenta logo are trademarks of a Syngenta Group Company. Allegro® is a trademark of ISK Biosciences Corporation. Respect the Refuge® is a trademark of the Canadian Seed Trade Association. Other trademarks are property of their respective owners. © 2022 Syngenta.





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