SUPPLEMENT TO TOP CROP MANAGER EAST
OCTOBER 2020
topcropmanager.com

TOP CROP MANAGER

EASTERN TRAITS AND STEWARDSHIP GUIDE 2020

While you work through your planting, spraying, in-season scouting, harvest and planning periods, the seed and traits industry works behind the scenes to innovate and progress, ensuring product supply and demand can be met when growers make the call for it. New canola, corn and soybean hybrids are constantly entering the market, with more new technologies entering the pipeline within the next few years. But the onus is on producers to make the best decisions for their operations.

Keeping an eye on what's to come is the philosophy we employ at *Top Crop Manager*. With new technologies launching every year, we aim to provide you with the knowledge you need to make the best decisions for your operation. We're happy to bring this information to you this year through our annual Eastern Traits and Stewardship Guide.

This guide is a reflection of the constant growth and evolution we see in the traits industry. Our goal is to ensure you, our readers, stay up-to-date with the research and innovation that could potentially change the way you farm. We strive to help you stay ahead of the curve, and we're proud to provide the early adopters the tools they need to plan ahead.

The information provided herein is intended to assist you in making decisions. We work to ensure this guide comprises the most accurate and current information possible. For a better idea of what will work best for you and your operation, please consult with your seed dealer.

STEFANIE CROLEY
EDITORIAL DIRECTOR, AGRICULTURE

Your better beans are here.

Enlist E3™ SOYBEANS

Better genetics. Better yields. Better for your community. Introducing Enlist E3™ soybeans, a more advanced seed with high yield potential and a robust herbicide tolerance. Enlist Duo™ and *new* Enlist™ 1, with Colex-D™ technology, provide you with the tools for a better low drift, near-zero volatility solution.

Enlist E3™ soybeans are available for 2021 planting. Talk to your local seed supplier.

Simply Better Soybeans. | Learn more at enlistcanada.ca

CORTEVA™ agriscience

®, ™ Trademarks of Dow AgroSciences, DuPont or Pioneer and affiliated companies or their respective owners. © 2020 CORTEVA.
The transgenic soybean event in Enlist E3™ soybeans is jointly developed and owned by Dow AgroSciences LLC and M.S. Technologies, L.L.C. The Enlist weed control system is owned and developed by Dow AgroSciences LLC.

TRAITS AND STEWARDSHIP GUIDE 2020

SOYBEANS

COMMERCIAL NAME	GENETIC EVENT	PARTICIPATING SEED COMPANIES	EXPORT MARKET APPROVAL	HERBICIDE TOLERANCE			
				GLYPHOSATE	GLUFOSINATE	2,4-D	DICAMBA
Enlist E3	DAS-44406-6	Brevant, Croplan, Elite, Horizon Seeds, Legend Seeds, NK, Pioneer brand, Pride Seeds, Prograin, SeCan, Sevita International	Yes	✔	✔	✔	
LibertyLink	A2704 -12	Croplan, NorthStar Genetics, Pride Seeds, Pioneer brand	Yes		✔		
Roundup Ready 2 Xtend	MON 87708 + MON 89788	Brevant, Country Farm Seeds, Croplan, Dekalb, Elite, NK, NorthStar Genetics, Pioneer brand, Pride Seeds, Prograin, ProSeeds, SeCan, Thunder Seeds	Yes	✔			✔
Roundup Ready Original	40-3-2	Pioneer brand	Yes	✔			
Roundup Ready 2 Yield	MON 89788	Brevant, Croplan, Dekalb, Elite, NK, NorthStar Genetics, Pioneer brand, Pride Seeds, Prograin, ProSeeds, SeCan	Yes	✔			

**use of multiple "C" and "S" indicates traits with more than one mode of action C = Control S = Suppression N = No Control

TRAITS AND STEWARDSHIP GUIDE 2020

CORN

COMMERCIAL NAME	GENETIC EVENT	PARTICIPATING SEED COMPANIES	EXPORT MARKET APPROVAL	ECB REFUGE REQUIRED	CRW REFUGE REQUIRED	PESTS CONTROLLED						HERBICIDE TOLERANCE		
						EUROPEAN CORN BORER	CRW (NORTHERN AND WESTERN)	CORN EARWORM	BLACK CUTWORM	FALL ARMYWORM	WESTERN BEAN CUTWORM	GLYPHOSATE	GLUFOSINATE	2,4-D
Agrisure 3000GT	GA21 + Bt11 + MIR604	Horizon Seeds, Masters Choice	Yes	20%	20%	C	C	S	N	S	N	✔	✔	
Agrisure 3010	GA21 + Bt11	Horizon Seeds	Yes	20%	N/A	C	N	S	N	S	N	✔	✔	
Agrisure 3120 E-Z Refuge	GA21 + Bt11 + TC1507	Horizon Seeds, NK	Yes	5% E-Z Refuge	N/A	CC	N	C	C	C	N	✔	✔	
Agrisure 3122 E-Z Refuge	GA21 + MIR604 + Bt11 + TC1507 + DAS 59122-7	Masters Choice	Yes	5% E-Z Refuge	5% E-Z Refuge	CC	CC	C	C	C	N	✔	✔	
Agrisure Duracade 5122 E-Z Refuge	5307 + MIR604 + Bt11 + TC1507 + GA21	Horizon Seeds, Maizex Seeds, NK	Yes	5% E-Z Refuge	5% E-Z Refuge	CC	CC	C	C	C	N	✔	✔	
Agrisure Duracade 5222 E-Z Refuge	5307 + MIR604 + Bt11 + TC1507 + GA21 + MIR162	Horizon Seeds, Masters Choice, NK, Pride Seeds	Yes	5% E-Z Refuge	5% E-Z Refuge	CC	CC	CC	CC	CC	C	✔	✔	
Agrisure GT	GA21	Country Farm Seeds, Horizon Seeds, Maizex Seeds, Masters Choice, NK	Yes	N/A	N/A	N	N	N	N	N	N	✔		
Agrisure GT/CB/LL	GA21 + Bt11		Yes	20%	N/A	C	N	S	N	S	N	✔	✔	
Agrisure Viptera 3110	GA21 + MIR162 + Bt11	Horizon Seeds, Masters Choice, NK	Yes	20%	N/A	C	N	C	C	C	C	✔	✔	
Agrisure Viptera 3111	GA21 + Bt11 + MIR604 + MIR162	Croplan, Horizon Seeds, Masters Choice, NK	Yes	20%	20%	C	C	C	C	C	C	✔	✔	
Agrisure Viptera 3220 E-Z Refuge	GA21 + Bt11 + MIR162 + TC1507	Country Farm Seeds, Horizon Seeds, Maizex Seeds, Masters Choice, NK, Thunder Seeds	Yes	5% E-Z Refuge	N/A	CC	N	CC	CC	CC	C	✔	✔	
Enlist	DAS-40278-9 + NK603	Brevant, Pioneer brand	Yes	N/A	N/A	N	N	N	N	N	N	✔		✔
Optimum AcreMax	TC1507 + MON 810 + NK603	Brevant, Pioneer brand	Yes	5%	N/A	CC	N	SS	C	C	N	✔	✔	
Optimum AcreMax Leptra	TC1507 + MON 810 + NK603 + MIR162	Brevant, Pioneer brand	No	5%	N/A	CC	N	SS	C	C	N	✔	✔	
Optimum AcreMax Xtra	TC1507 + DAS-59122-7 + MON 810 + NK603	Pioneer brand	Yes	10%	10%	CC	C	SS	C	C	N	✔	✔	

**use of multiple "C" and "S" indicates traits with more than one mode of action C = Control S = Suppression N = No Control

TRAITS AND STEWARDSHIP GUIDE 2020

CORN

COMMERCIAL NAME	GENETIC EVENT	PARTICIPATING SEED COMPANIES	EXPORT MARKET APPROVAL	ECB REFUGE REQUIRED	CRW REFUGE REQUIRED	PESTS CONTROLLED						HERBICIDE TOLERANCE		
						EUROPEAN CORN BORER	CRW (NORTHERN AND WESTERN)	CORN EARWORM	BLACK CUTWORM	FALL ARMYWORM	WESTERN BEAN CUTWORM	GLYPHOSATE	GLUFOSINATE	2,4-D
Optimum AcreMax Xtreme	TC1507 + DAS-59122-7 + MON 810 + MIR604 + NK603		No	5%	5%	CC	CC	SS	C	C	N	✔	✔	
PowerCore Enlist	MON89034 +TC1507 + NK603 + DAS40278-9 + DAS59122-7	Brevant, Pioneer brand	Yes	5%	5%	CCC	N	CC	C	CCC	N	✔	✔	✔
Qrome	DP 4114 + MON 810 + MIR604 + NK603	Brevant, Pioneer brand	No	5%	5%	CC	CC	SS	C	C	N	✔	✔	
Roundup Ready Corn 2	NK603	Brevant, Country Farm Seeds, Croplan, Dekalb, DLF Pickseed, General Seed Company, Maizex Seeds, Pioneer brand, Pride Seeds	Yes	N/A	N/A	N	N	N	N	N	N	✔		
Roundup Ready Corn 2 + LibertyLink	NK603 + T25	Brevant, Pioneer brand	Yes	N/A	N/A	N	N	N	N	N	N	✔	✔	
SmartStax	MON 88017 + MON 89034 + TC1507 + DAS-59122-7	Brevant, Pioneer brand	Yes	0.05	0.05	CCC	CC	CC	C	CCC	N	✔	✔	
SmartStax Enlist	DAS-40278-9 + MON 88017 + MON 89034 + TC1507 + DAS-59122-7	Brevant, Pioneer brand	Yes	20%	20%	CCC	CC	CC	C	CCC	N	✔	✔	✔
SmartStax Refuge Advanced	MON 88017 + MON 89034 + TC1507 + DAS-59122-7	Brevant, Pioneer brand	Yes	5% RIB	5% RIB	CC	CC	CC	C	CCC	C	✔	✔	
SmartStax RIB Complete	MON 88017 + MON 89034 + TC1507 + DAS-59122-7	Country Farm Seeds, Croplan, Dekalb, DLF Pickseed, General Seed Company, Maizex Seeds, Pride Seeds	Yes	5% RIB	5% RIB	CCC	CC	CC	C	CCC	S	✔		
Trecepta RIB Complete	MON 89034 + MIR162 + NK603	Dekalb, Maizex Seeds, Pride Seeds	No	5% RIB	N/A	CC	N	CCC	C	CCC	C	✔		
VT Double PRO RIB Complete	MON 89034 + NK603	Country Farm Seeds, Croplan, Dekalb, DLF Pickseed, Maizex Seeds, Pride Seeds	Yes	5% RIB	N/A	CC	N	CC	N	CC	N	✔	✔	

**use of multiple "C" and "S" indicates traits with more than one mode of action C = Control S = Suppression N = No Control

TRAITS AND STEWARDSHIP GUIDE 2020

CANOLA

COMMERCIAL NAME	GENETIC EVENT	PARTICIPATING SEED COMPANIES	EXPORT MARKET APPROVAL	HERBICIDE TOLERANCE			
				GLYPHOSATE	GLUFOSINATE	IMI	2,4-D
Clearfield Canola	PM1 PM2	BrettYoung, Brevant Seeds, Canterra Seeds, Pioneer brand, Proven Seed, Victory	Yes			✔	✔
Roundup Ready Canola	RT73	BrettYoung, Brevant Seeds, Canterra Seeds, Croplan, Dekalb, Pioneer brand, Proven Seed, Victory	Yes		✔		
InVigor	MS8 x RF3	BASF	Yes	✔			
InVigor Choice	MS8 x RF3 x MON 88302	BASF	Yes	✔	✔		
LibertyLink	RF3	Brevant Seeds, Pioneer brand, Proven Seed	Yes	✔			
Optimum GLY	73496	Brevant Seeds, Pioneer brand	No		✔		
TruFlex Canola with Roundup Ready Technology	MON 88302	BrettYoung, Canterra Seeds, Croplan, Dekalb, Nuseed, Proven Seed, Victory	Yes		✔		
TruFlex Canola with Roundup Ready and LibertyLink Technologies	MON 88302 + RF3	Dekalb	Yes	✔	✔		

**use of multiple "C" and "S" indicates traits with more than one mode of action C = Control S = Suppression N = No Control

Better Beans. Better System.

Enlist E3™ SOYBEANS

A profitable soybean crop starts with better genetics that deliver better results. That's why we created Enlist E3™ soybeans, a more advanced seed with high yield potential and a robust herbicide tolerance. Spray them with Enlist Duo™, or *new* Enlist™ 1 herbicides, for a low drift, near-zero volatility solution that's a better choice for your farm and community.

Enlist E3 soybeans are available for 2021 planting. Talk to your local seed supplier.

Simply Better Soybeans. | Learn more at enlistcanada.ca

CORTEVA™ agriscience

®, ™ Trademarks of Dow AgroSciences, DuPont or Pioneer and affiliated companies or their respective owners. © 2020 CORTEVA.
The transgenic soybean event in Enlist E3™ soybeans is jointly developed and owned by Dow AgroSciences LLC and M.S. Technologies, L.L.C.
The Enlist weed control system is owned and developed by Dow AgroSciences LLC.

Your better beans are here.

Enlist E3™ SOYBEANS

Better genetics. Better yields. Better for your community. Introducing Enlist E3™ soybeans, a more advanced seed with high yield potential and a robust herbicide tolerance. Enlist Duo™ and *new* Enlist™ 1, with Colex-D™ technology, provide you with the tools for a better low drift, near-zero volatility solution.

Enlist E3™ soybeans are available for 2021 planting. Talk to your local seed supplier.

Simply Better Soybeans. | Learn more at enlistcanada.ca

CORTEVA™ agriscience

®, ™ Trademarks of Dow AgroSciences, DuPont or Pioneer and affiliated companies or their respective owners. © 2020 CORTEVA.
The transgenic soybean event in Enlist E3™ soybeans is jointly developed and owned by Dow AgroSciences LLC and M.S. Technologies, L.L.C. The Enlist weed control system is owned and developed by Dow AgroSciences LLC.