



BioGene[®]
SEEDS

GET THE
BioGene[®] **EDGE.**

2024 PRODUCT GUIDE

MEET OUR TEAM



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Why BioGene®?

At BioGene, we believe we are more than just a number to a global chemical seed company. With so many choices in the seed industry, we recognize it's difficult for growers to sort through it all and make the right choices. Everyone touts performance. Most have products with similar names. Others try to turn your attention toward giveaways and gimmicks. At times it probably all seems like just a bunch of, well, you know.

At BioGene, we understand the confusion in the marketplace that farmers face today. From constantly changing genetics and traits, to once truly independent seed companies now selling someone else's brand instead of their own. At BioGene, we believe in our products' ability to perform...that's why we put OUR name on every unit of seed that we sell.

BioGene, will continue to Deliver... Dominating Performance and Increased On-Farm Profit for our customers.

We source Bayer, Corteva, Syngenta and numerous other premium platforms and traits. We don't do this because we believe they are better than any other national or regional brand. We do this because they are. It's not opinion. It's fact, backed by more than \$1B in research a year and countless, publicly available, third-party tests in our market. It isn't the best we have. It's the best there is today. Period. When that changes, our lineup will too.

Next, the quality of the company and team who bring you that seed. Real world performance isn't a function of any one hybrid. We don't think in terms of products and acres. We think in terms of overall crop selection and placement. Our goal is to ensure you have the best possible 3-5 hybrids for your farm—the ones we know will deliver a measurable performance edge for you. From planting to harvest, we stand behind our product and you.

Finally, farm management style matters as well. We work with growers who are as committed as we are and have a drive to be as efficient and profitable as possible.

BioGene salutes our clients as well as all of America's farmers. BioGene believes nobody in the world can match the productivity and efficiency of the American farmer. From all of us at BioGene, we are extremely proud of the fact that our clients have chosen us to become a partner in their success.

Sincerely,



Alan Layman, President

MEET OUR TEAM

1

CORN HYBRIDS

3

FEATURED CORN TRAITS

4

CORN AGRONOMICS

10

SOYBEAN PRODUCTS

11

FEATURED SOYBEAN TRAITS

12

SOYBEAN AGRONOMICS

21

THINK BEFORE YOU BIN RUN

23

ARMA

24

WHEAT VARIETIES

25

ALFALFA VARIETIES

27

LEGAL

29

GET THE
BioGene® EDGE.



**BIOGENE®
CORN**

There are two ways to increase corn yields on your farm.
MORE kernels per acre and **BIGGER** kernels.

GENETICS

BioGeneselects genetic material from the top corn breeders and then evaluates their adaptability for our market areas through extensive replicated testing, as well as through our On-Farm BioGene EDGE H2H plots.

WEED CONTROL

Maximizing weed control while minimizing damage to corn seedlings and corn plants.

HYBRID PLACEMENT & VRT PRESCRIPTIONS

Your BioGene Client Success Partner can help you select the correct hybrids for your farm and the way you farm. Additionally, BioGene offers VRT or whole field population prescriptions. VRT prescriptions can be done on a management zone and/or soil type basis.





CORN HYBRIDS
BIOGENSEEDS.COM

IMPORTANT RECOMMENDATIONS:

[illegible]

NOTES:

FEATURED CORN TRAITS

	<p>Trecepta® technology contains Cry1A.105, Cry2Ab2 and Vip3Aa20 from B.t. that together controls European corn borer, southwestern corn borer, southern cornstalk borer, corn earworm, fall armyworm, stalk borer, sugarcane borer, beet armyworm, true armyworm, black cutworm, western bean cutworm, lesser cornstalk borer and dingy cutworm. Products containing this technology also contain Roundup Ready® 2 Technology that provides tolerance to in-crop applications of labeled glyphosate herbicides when applied according to label directions.</p>
	<p>VT Double PRO® RIB Complete® Corn Blend is a mix of 95% traited and 5% refuge seed. With refuge-in-a-bag, there's no need to calculate or plant separate, structured refuge in the Corn-Growing Area. It contains dual modes of action for maximum protection against corn earworm and other above-ground pests, like European and Southwestern corn borers and fall armyworm.</p>
	<p>DroughtGard® Hybrids with VT Double PRO® RIB Complete® Corn Blend contain the first double-stacked trait with dual modes of action for above ground insects and maximum protection against corn earworm. Superior genetics along with innovative drought-tolerant trait technology helps DroughtGard® Hybrids withstand drought conditions for a better chance of maximizing kernels per ear and overall yield potential.</p>
	<p>SmartStax® RIB Complete® Corn Blend is a mix of 95% Bt. traited, 5% refuge seed. You get all the benefits of SmartStax® technology, plus the convenience of 5% refuge seed interspersed in every bag. It has proven to have a 10 bu/A advantage over non-Bt. traited corn and a 20 bu/A advantage over non-Bt. treated corn + a soil-applied insecticide. In moderate to high rootworm pressure situations, SmartStax® RIB Complete® corn blend products provided an average 20 bu/acre advantage over products without Bt corn rootworm protection and an average 10 bu/acre advantage over products without Bt corn rootworm protection used in combination with a soil-applied insecticide. TD Sites in IL, IA, KS, CO, NE, WI, MI, IN, MN, SD, OH, DE (2010-2013)100-112RM; N = 46 protocol site years under moderate and high CRW pressure. Moderate Pressure = untreated check averaged > 0.5-1.0. High Pressure = locations where untreated check averaged >1.0.</p>
	<p>The Viptera® trait stack combines an Artesian® hybrid that converts water to grain more efficiently than other hybrids with the most comprehensive above-ground insect control and the convenience of an integrated E-Z Refuge® seed blend. It is intended for areas where corn rootworm management is not a primary concern. Featuring the Viptera® trait, which controls ear-feeding insects and is the only trait available today that effectively controls western bean cutworm, the Viptera® stack helps protect genetic yield potential. Important: Always read and follow label and bag tag instructions; only those labeled as tolerant to glufosinate may be sprayed with glufosinate ammonium based herbicides.</p>
	<p>The Agrisure Viptera® 3110 trait stack offers season-long comprehensive above-ground insect control. It is ideal in areas where corn rootworm management is not a primary concern. Featuring the Viptera® trait, which is the only trait available today that effectively controls western bean cutworm, the Agrisure Viptera 3110 trait stack controls ear-feeding insects and helps protect genetic yield potential.</p>
	<p>PowerCore® trait technology delivers superior control of above-ground insects in corn.</p>



BG816TR 111 DAY

Trecepta® RIB Complete®

Trecepta®
 RIB COMPLETE®

- Trecepta®/ASR stacked hybrid
- Long ears with 18-20 kernel rows
- Rugged hybrid with tremendous yield

Plant Height	7
Early Growth	8
Stalk	8
Roots	8
Test Weight	7
Leaf Angle	6
Drought Tolerance	7
Ear Flex	8
Gray Leaf Spot	7
Northern Corn Leaf Blight	8
Southern Corn Leaf Blight	7

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

BG490V2 79 DAY

VT Double PRO® RIB Complete®

VT Double PRO®
 RIB COMPLETE®

- Best performance in the north and west. Ideally suited for North Dakota and Minnesota
- Early flower with very good drydown and very good stalks and roots
- Excels in tough and variable soils and good Goss's Wilt tolerance

Plant Height	5
Early Growth	8
Stalk	8
Roots	8
Test Weight	6
Leaf Angle	7
Drought Tolerance	7
Ear Flex	5
Gray Leaf Spot	NA
Northern Corn Leaf Blight	8
Southern Corn Leaf Blight	NA

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

BG512V2 81 DAY

VT Double PRO® RIB Complete®

VT Double PRO®
 RIB COMPLETE®

- A top performer for North Dakota and Minnesota
- Excelled in multi-year EXP data
- Consistent ear size and yield

Plant Height	6
Early Growth	7
Stalk	7
Roots	7
Test Weight	6
Leaf Angle	7
Drought Tolerance	8
Ear Flex	7
Gray Leaf Spot	NA
Northern Corn Leaf Blight	7
Southern Corn Leaf Blight	NA

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

BG520V2 82 DAY

VT Double PRO® RIB Complete®

VT Double PRO®
 RIB COMPLETE®

- Very well adapted to North Dakota and Minnesota climate
- Top-end yields with fast drydown
- Girthy ears with very good test weight

Plant Height	7
Early Growth	8
Stalk	8
Roots	8
Test Weight	7
Leaf Angle	7
Drought Tolerance	8
Ear Flex	7
Gray Leaf Spot	NA
Northern Corn Leaf Blight	8
Southern Corn Leaf Blight	8

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

BG681V2 98 DAY

VT Double PRO® RIB Complete®



- 98 Day flex ear VT Double PRO® Corn hybrid
- Medium height with great standability
- Dominant yield potential across multiple soils and seasons

Plant Height	8
Early Growth	7
Stalk	8
Roots	9
Test Weight	8
Leaf Angle	7
Drought Tolerance	7
Ear Flex	8
Gray Leaf Spot	7
Northern Corn Leaf Blight	8
Southern Corn Leaf Blight	7

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

BG703V2 100 DAY

VT Double PRO® RIB Complete®



- Excellent choice for the 100-102 Day RM
- Very strong multi-year EXP data
- Population tolerance 30,000-36,000

Plant Height	8
Early Growth	8
Stalk	8
Roots	8
Test Weight	8
Leaf Angle	7
Drought Tolerance	7
Ear Flex	8
Gray Leaf Spot	7
Northern Corn Leaf Blight	8
Southern Corn Leaf Blight	8

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

BG752V2 105 DAY

VT Double PRO® RIB Complete®



- Widely adaptable 105 Day RM VT Double PRO® Corn hybrid
- Very good disease tolerance, especially GLS
- Population tolerance 30,000-36,000

Plant Height	8
Early Growth	8
Stalk	8
Roots	8
Test Weight	7
Leaf Angle	7
Drought Tolerance	7
Ear Flex	8
Gray Leaf Spot	7
Northern Corn Leaf Blight	8
Southern Corn Leaf Blight	8

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

BG808V2 110 DAY

VT Double PRO® RIB Complete®



- 110 Day high yielding hybrid with a wide area of adaption
- Very consistent ear with large, thick, deep kernels
- Excellent stalks and low greensnap risk

Plant Height	7
Early Growth	8
Stalk	9
Roots	8
Test Weight	8
Leaf Angle	7
Drought Tolerance	7
Ear Flex	7
Gray Leaf Spot	8
Northern Corn Leaf Blight	8
Southern Corn Leaf Blight	8

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

BG824V2 112 DAY

VT Double PRO® RIB Complete®



- Widely adapted with strong consistent yields
- A definite part of all packages from 108-116 Day hybrids
- Quickly became our number one volume hybrid

Plant Height	8
Early Growth	7
Stalk	8
Roots	8
Test Weight	8
Leaf Angle	8
Drought Tolerance	8
Ear Flex	8
Gray Leaf Spot	8
Northern Corn Leaf Blight	8
Southern Corn Leaf Blight	8

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

BG843V2 114 DAY

VT Double PRO® RIB Complete®



- Replacement for BG 831V2; belongs on every farm in Central and Eastern Corn Belt
- All planting populations and management styles
- Huge, deep kernels on a 16-18 row ear

Plant Height	7
Early Growth	8
Stalk	8
Roots	8
Test Weight	8
Leaf Angle	8
Drought Tolerance	8
Ear Flex	9
Gray Leaf Spot	8
Northern Corn Leaf Blight	8
Southern Corn Leaf Blight	8

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

BG862V2 116 DAY

VT Double PRO® RIB Complete®



- Full-season VT Double PRO® hybrid with yield and guts
- Excellent agronomics for all planting populations
- Moves north well and dominates in tight, wet fine soils

Plant Height	8
Early Growth	7
Stalk	9
Roots	8
Test Weight	9
Leaf Angle	7
Drought Tolerance	8
Ear Flex	8
Gray Leaf Spot	8
Northern Corn Leaf Blight	8
Southern Corn Leaf Blight	8

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

BG825V2 112 DAY

DroughtGard® Hybrids with VT Double PRO® RIB Complete®



- 112 Day DroughtGard® Hybrids with VT Double PRO® hybrid with fast drydown
- Excellent stalks, roots, and ear flex for any population
- Very versatile hybrid with top-end yield

Plant Height	7
Early Growth	8
Stalk	9
Roots	8
Test Weight	8
Leaf Angle	7
Drought Tolerance	9
Ear Flex	8
Gray Leaf Spot	NA
Northern Corn Leaf Blight	8
Southern Corn Leaf Blight	NA

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

BG835V2 113 DAY

DroughtGard® Hybrids with VT Double PRO® RIB Complete®



- Extremely high yield potential with late-season intactness
- Handles all soils and populations very well
- Big yields on drier soils and excels under 'wet feet'

Plant Height	7
Early Growth	8
Stalk	9
Roots	8
Test Weight	7
Leaf Angle	7
Drought Tolerance	9
Ear Flex	8
Gray Leaf Spot	8
Northern Corn Leaf Blight	8
Southern Corn Leaf Blight	8

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

BG510AT 81 DAY

Viptera® + Artesian®



- Excellent above ground insect protection
- Artesian® hybrid that excels in North Dakota and Minnesota
- Excels in medium to lower productivity soils

Plant Height	6
Early Growth	7
Stalk	7
Roots	7
Test Weight	6
Leaf Angle	7
Drought Tolerance	9
Ear Flex	7
Gray Leaf Spot	NA
Northern Corn Leaf Blight	7
Southern Corn Leaf Blight	NA

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

NEW BG77P1 107 DAY

PowerCore® Enlist®



- New 107 Day hybrid with the PowerCore® Enlist® Trait
- Very Strong Tar Spot Tolerance and widely adaptable
- Excellent in RM Zone and also as a early hybrid south of zone

Plant Height	8
Early Growth	8
Stalk	8
Roots	9
Test Weight	8
Leaf Angle	7
Drought Tolerance	7
Ear Flex	8
Gray Leaf Spot	8
Northern Corn Leaf Blight	8
Southern Corn Leaf Blight	7

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

BG81P0 111 DAY

PowerCore® Enlist®



- 111 Day hybrid with the PowerCore® Enlist® Trait
- Place on medium to high producing fields
- Girth Flexy Ear, Excellent companion hybrid to BG 816TR, BG 835V2

Plant Height	8
Early Growth	8
Stalk	7
Roots	7
Test Weight	8
Leaf Angle	8
Drought Tolerance	7
Ear Flex	8
Gray Leaf Spot	7
Northern Corn Leaf Blight	7
Southern Corn Leaf Blight	7

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

CORN HYBRIDS
BIOGENESEEDS.COM



BioGene®
SEEDS

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NEW
BG82P1 112 DAY

PowerCore® Enlist®

- New Widely Adaptable 112 Day hybrid with the PowerCore® Enlist® Trait
- Strong tolerance to Tar Spot; Strong stalks and roots
- Awesome companion hybrid for BG 843V2, BG 825V2

Plant Height	8
Early Growth	8
Stalk	8
Roots	8
Test Weight	8
Leaf Angle	7
Drought Tolerance	8
Ear Flex	8
Gray Leaf Spot	8
Northern Corn Leaf Blight	8
Southern Corn Leaf Blight	8

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

BG83P0 **113 DAY**

PowerCore® Enlist®

- 113 Day hybrid with the PowerCore® Enlist® Trait
- Big Flexy, Large kernel ear
- Great full season option and excellent silage as well

Plant Height	9
Early Growth	7
Stalk	7
Roots	7
Test Weight	7
Leaf Angle	7
Drought Tolerance	7
Ear Flex	9
Gray Leaf Spot	7
Northern Corn Leaf Blight	8
Southern Corn Leaf Blight	8

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

IMPORTANT RECOMMENDATIONS:

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NOTES:

2024 BIOGENE PRODUCT GUIDE

Hybrid Brand	New	Relative Maturity	Plant Height	Early Growth	Stalk	Roots	Test Weight	Leaf Angle	Drought Tolerance	Ear Flex	Gray Leaf Spot	N. Corn Leaf Blight	S. Corn Leaf Blight
CONVENTIONAL													
BG 782C		108	8	8	7	8	8	6	7	8	7	8	9
BG 824C		112	8	7	7	8	7	8	8	8	8	8	8
SMARTSTAX® RIB COMPLETE													
BG 824SS		112	8	7	8	8	8	8	8	8	8	8	8
TRECEPTA® RIB COMPLETE®													
BG 816TR		111	7	8	8	8	7	6	7	8	7	8	7
VT DOUBLE PRO® RIB COMPLETE®													
BG 490V2		79	5	8	8	8	6	7	7	5	NA	8	NA
BG 512V2		81	6	7	7	7	6	7	8	7	NA	7	NA
BG 520V2		82	7	8	8	8	7	7	8	7	NA	8	8
BG 681V2		98	8	7	8	9	8	7	7	8	7	8	7
BG 703V2		100	8	8	8	8	8	7	7	8	7	8	8
BG 752V2		105	8	8	8	8	7	7	7	8	7	8	8
BG 808V2		110	7	8	9	8	8	7	7	7	8	8	8
BG 824V2		112	8	7	8	8	8	8	8	8	8	8	8
BG 843V2		114	7	8	8	8	8	8	8	9	8	8	8
BG 862V2		116	8	7	9	8	9	7	8	8	8	8	8
DROUGHTGARD® HYBRIDS WITH VT DOUBLE PRO® RIB COMPLETE®													
BG 825V2		112	7	8	9	8	8	7	9	8	NA	8	NA
BG 835V2		113	7	8	9	8	7	7	9	8	8	8	8
VIPTERA® + ARTESIAN®													
BG 510AT		81	6	7	7	7	6	7	9	7	NA	7	NA
BG 798AT		109	7	7	7	6	7	7	9	8	7	8	8
AGRISURE VIPTERA® 3110													
BG 881VP		118	9	7	7	8	7	7	8	8	8	7	8
POWERCORE® ENLIST®													
BG 77P1	✓	107	8	8	8	9	8	7	7	8	8	8	7
BG 81P0		111	8	8	7	7	8	8	7	8	7	7	7
BG 82P1	✓	112	8	8	8	8	8	7	8	8	8	8	8
BG 83P0		113	9	7	7	7	7	7	7	9	7	8	8

Rating Scale: 1=Lowest Possible, 9=Highest Possible, NA=Not Available



There are two ways to increase soybean yields on your farm.
MORE beans per acre and **BIGGER** beans.

BioGene selects genetic material from the top soybean breeders and then evaluates their adaptability for our market areas.

Maximizing weed control while minimizing damage to soybean seedlings and plants.

Your BioGene Client Success Partner can help you select the correct varieties for your farm and the way you farm.

BioGene offers a complete premium fungicide treatment of four fungicides to protect against early season seedling diseases. Our customers can also choose to add insecticide and/or nematicide to their soybeans.

FEATURED SOYBEAN TRAITS



Enlist E3® soybeans provide tolerance to new 2,4-D choline, glyphosate and glufosinate.



Roundup Ready 2 Xtend® soybeans provide tolerance to both dicamba and glyphosate herbicides with the high-yielding performance farmers across the country have come to expect. Roundup Ready 2 Xtend® soybeans yielded a 3.5 bu/A advantage on average vs. Enlist E3® soybeans. 112020 Farmer Managed Soybean System Trials (57 locations in 2020 reporting data located with 5-IA, 4-IL, 8-IN, 4-KS, 1-KY, 3-MI, 9-MN, 2-MO, 4-ND, 5-NE, 4-OH, 2-PA, 6-SD). Significant at $P \leq 0.05$ LSD at 1.0 Bu/A as of 11/23/2020. Roundup Ready® Xtend Crop System data = Roundup Ready 2 Xtend® soybeans with a farmer-selected weed control program that may include dicamba, glyphosate and various residual herbicides. Enlist™ Weed Control System data = Enlist E3® soybeans with a farmer-selected weed control program that may include glyphosate, Enlist One® herbicide, Liberty® 280 SL herbicide and various residual herbicide

BG9021E3 0.2 RM

Enlist E3®



- NEW all out top-end yielder for the early Group 0 and late 00
- Showy attractive variety with northern acre IDC tolerance
- Multi-year excellent yield performance

Group	0
Emergence	8.0
Standability	7.0
Iron Deficiency Chlorosis	7.0
Phytophthora	7.0
Phytophthora Gene	NG
Brown Stem Rot	NG
Sclerotinia White Mold	6.0
Flower Color	White
Plant Type	Semi-Bush
Pubescence Color	Gray
SCN Resistance	R3, MR14
SCN Marker	PI88788

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

BG9050E3 0.5 RM

Enlist E3®



- Key line in North Dakota and Minnesota
- Most complete 0.5 RM of all trait platforms
- Lateral branching with huge clusters of pods


Group	0
Emergence	8.0
Standability	7.0
Iron Deficiency Chlorosis	8.0
Phytophthora	8.0
Phytophthora Gene	Rps 3a
Brown Stem Rot	9.0
Sclerotinia White Mold	7.0
Flower Color	Purple
Plant Type	Semi-Bush +
Pubescence Color	Gray
SCN Resistance	R3, MR14
SCN Marker	PI88788

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

0.7 RM

BG9071E3

Enlist E3®



- RM 0.7 with two Phytophthora genes and SCN resistance
- Consistent and stable with top-end performance
- Two year testing this line lands at the top in both

Group	0
Emergence	9.0
Standability	8.0
Iron Deficiency Chlorosis	8.0
Phytophthora	9.0
Phytophthora Gene	Rps 1c & 3a
Brown Stem Rot	NG
Sclerotinia White Mold	8.0
Flower Color	Purple
Plant Type	Semi-Bush
Pubescence Color	Gray
SCN Resistance	R3, MR14
SCN Marker	PI88788


Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

NEW

0.8 RM

BG9084E3

Enlist E3®



- Peking SCN resistance with no yield drag
- Heavy podding variety that yields across all yield environments
- Highly consistent and very SDS performance

Group	0
Emergence	8.0
Standability	7.0
Iron Deficiency Chlorosis	7.0
Phytophthora	9.0
Phytophthora Gene	Rps 3a
Brown Stem Rot	9.0
Sclerotinia White Mold	6.0
Flower Color	Purple
Plant Type	Semi-Bush +
Pubescence Color	Gray
SCN Resistance	PEKING
SCN Marker	PEKING

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

1.0 RM

BG9100E3

Enlist E3®



- Benchmark variety at 1.0 RM
- Excluder as well for chloride tolerance
- This line is a breakthrough for Enlist E3® variety at this RM


Group	1
Emergence	9.0
Standability	8.0
Iron Deficiency Chlorosis	8.0
Phytophthora	8.0
Phytophthora Gene	NG
Brown Stem Rot	9.0
Sclerotinia White Mold	8.0
Flower Color	Purple
Plant Type	Semi-Bush +
Pubescence Color	Gray
SCN Resistance	R3, MR14
SCN Marker	PI88788

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

1.1 RM

BG9112E3

Enlist E3®




- Huge yields across a wide geography
- Highly productive lateral branches
- Excellent stress tolerance and excels in ideal environments

Group	1
Emergence	9.0
Standability	9.0
Iron Deficiency Chlorosis	8.0
Phytophthora	8.0
Phytophthora Gene	NG
Brown Stem Rot	9.0
Sclerotinia White Mold	7.0
Flower Color	Purple
Plant Type	Semi-Bush
Pubescence Color	Gray
SCN Resistance	R3, MR14
SCN Marker	PI88788

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

NEW **BG9124E3** **1.2 RM**

Enlist E3®




- Peking SCN resistance with no yield drag
- Dominate Workhorse in the early 1 group
- Strong agronomics and stress tolerance; two year solid performance

Group	1
Emergence	8.0
Standability	7.0
Iron Deficiency Chlorosis	8.0
Phytophthora	8.0
Phytophthora Gene	Rps 3a
Brown Stem Rot	9.0
Sclerotinia White Mold	6.0
Flower Color	Purple
Plant Type	Semi-Bush +
Pubescence Color	Gray
SCN Resistance	PEKING
SCN Marker	PEKING

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

BG9130E3 **1.3 RM**

Enlist E3®



- Solid agronomics and yield make for a complete Enlist E3® variety
- Strongest in Wisconsin and west
- The key variety for all mid and early Group 1 varieties

Group	1
Emergence	8.0
Standability	7.0
Iron Deficiency Chlorosis	8.0
Phytophthora	8.0
Phytophthora Gene	Rps 1c
Brown Stem Rot	9.0
Sclerotinia White Mold	7.0
Flower Color	Purple
Plant Type	Semi-Bush +
Pubescence Color	Gray
SCN Resistance	R3, MR14
SCN Marker	PI88788

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

BG9150E3 **1.5 RM**

Enlist E3®




- Dominant 1.5 RM with across the board performance
- Agronomically stacked with tons of pods
- Multi-year excellent yield performance

Group	1
Emergence	8.0
Standability	7.0
Iron Deficiency Chlorosis	8.0
Phytophthora	8.0
Phytophthora Gene	Rps 3a
Brown Stem Rot	9.0
Sclerotinia White Mold	7.0
Flower Color	Purple
Plant Type	Semi-Bush
Pubescence Color	Gray
SCN Resistance	R3, MR14
SCN Marker	PI88788

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

NEW **BG9164E3** **1.6 RM**

Enlist E3®



- Peking SCN resistance with no yield drag
- Dual gene for Phytophthora
- Good on IDC and white mold


Group	1
Emergence	8.0
Standability	8.0
Iron Deficiency Chlorosis	8.0
Phytophthora	8.0
Phytophthora Gene	Rps1k + Rps6
Brown Stem Rot	8.0
Sclerotinia White Mold	8.0
Flower Color	Purple
Plant Type	Semi-Bush
Pubescence Color	Light Tawny
SCN Resistance	PEKING
SCN Marker	PEKING

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available



BG9170E3 1.7 RM

Enlist E3®




- Top performing 1.7 RM that moves north to south
- Complete agronomic package
- 2 year testing this line lands at the top in both

Group	1
Emergence	9.0
Standability	8.0
Iron Deficiency Chlorosis	7.0
Phytophthora	8.0
Phytophthora Gene	Rps 1k
Brown Stem Rot	NA
Sclerotinia White Mold	8.0
Flower Color	Purple
Plant Type	Semi-Bush
Pubescence Color	Gray
SCN Resistance	R3, MR14
SCN Marker	PI88788

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

BG9171E3 1.7 RM

Enlist E3®



- East to West high yield performance
- Lateral branches with clusters of pods and excellent stress tolerance
- VG SDS tolerance and Rps 3a PRR gene

Group	1
Emergence	9.0
Standability	7.0
Iron Deficiency Chlorosis	7.0
Phytophthora	8.0
Phytophthora Gene	Rps 3a
Brown Stem Rot	8.0
Sclerotinia White Mold	6.5
Flower Color	Purple
Plant Type	Semi-Bush
Pubescence Color	Gray
SCN Resistance	R3, MR14
SCN Marker	PI88788

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

NEW BG9174E3 1.7 RM

Enlist E3®




- Excellent choice for Minnesota
- Very comfortable in all yield environments
- Hard to beat the 1-2 punch of BG 9174E3 and BG 9171E3

Group	1
Emergence	8.0
Standability	7.0
Iron Deficiency Chlorosis	6.0
Phytophthora	8.0
Phytophthora Gene	Rps1c
Brown Stem Rot	NG
Sclerotinia White Mold	6.0
Flower Color	White
Plant Type	Semi-Bush
Pubescence Color	Gray
SCN Resistance	R3, MR14
SCN Marker	PI88788

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

BG9180E3 1.8 RM

Enlist E3®



- Very good to excellent White Mold tolerance
- Best performance in the Central Corn Belt
- Excels in medium to high yielding environments


Group	1
Emergence	8.0
Standability	8.0
Iron Deficiency Chlorosis	7.0
Phytophthora	7.0
Phytophthora Gene	Rps 1c
Brown Stem Rot	NA
Sclerotinia White Mold	7.0
Flower Color	Purple
Plant Type	Semi-Bush
Pubescence Color	Gray
SCN Resistance	R3, MR14
SCN Marker	PI88788

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

2.0 RM

BG9200E3

Enlist E3®



- Enlist E3® variety with stacked Phytophthora genes
- Very strong agronomics and widely adaptable
- Moves south well as an early variety


Group	2
Emergence	8.0
Standability	8.0
Iron Deficiency Chlorosis	7.0
Phytophthora	9.0
Phytophthora Gene	Rps 1c + 3a
Brown Stem Rot	9.0
Sclerotinia White Mold	7.0
Flower Color	Purple
Plant Type	Semi-Bush
Pubescence Color	Gray
SCN Resistance	R3, MR14
SCN Marker	PI88788

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

2.5 RM

BG9250E3

Enlist E3®



- Topped out in the mid Group 2 trials
- Key variety across entire Corn Belt
- Top yields in SDS and SWM plots


Group	2
Emergence	9.0
Standability	7.0
Iron Deficiency Chlorosis	9.0
Phytophthora	8.0
Phytophthora Gene	NG
Brown Stem Rot	9.0
Sclerotinia White Mold	6.0
Flower Color	Purple
Plant Type	Semi-Bush
Pubescence Color	Gray
SCN Resistance	R3, MR14
SCN Marker	PI88788

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

2.7 RM

BG9270E3

Enlist E3®



- Beats all Group 2 Enlist E3® and LibertyLink® varieties
- Excels versus Roundup Ready 2 Yield® and Roundup Ready 2 Xtend® varieties
- Strong agronomics and widely adaptable


Group	2
Emergence	8.0
Standability	8.0
Iron Deficiency Chlorosis	7.0
Phytophthora	8.0
Phytophthora Gene	Rps 1k
Brown Stem Rot	9.0
Sclerotinia White Mold	NA
Flower Color	White
Plant Type	Semi-Bush +
Pubescence Color	Gray
SCN Resistance	R3, MR14
SCN Marker	PI88788

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

2.9 RM

BG9290E3

Enlist E3®



- Top yielding line in the entire test set
- Dominating yield with medium plus height
- Strong agronomics and widely adaptable

Group	2
Emergence	8.0
Standability	7.0
Iron Deficiency Chlorosis	6.0
Phytophthora	8.0
Phytophthora Gene	Rps 1a
Brown Stem Rot	NA
Sclerotinia White Mold	NA
Flower Color	White
Plant Type	Semi-Bush
Pubescence Color	Gray
SCN Resistance	R3, MR14
SCN Marker	PI88788

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

SOYBEAN PRODUCTS

BIOGENESEEDS.COM



BioGene®
SEEDS

5477 Tri-County Hwy
Sardinia, OH 45171
888.862.3276 office
937.444.4042 fax

NEW 2.9 RM BG9294E3

Enlist E3®



- Excellent standing Light Tawny with tan pod
- Excellent defensive agronomics
- Widely adaptable for high yields as well as tough acres

Group	2
Emergence	8.0
Standability	8.0
Iron Deficiency Chlorosis	7.0
Phytophthora	7.0
Phytophthora Gene	Rps1k
Brown Stem Rot	8.0
Sclerotinia White Mold	7.0
Flower Color	Purple
Plant Type	Semi-Bush
Pubescence Color	Light Tawny
SCN Resistance	R3, MR14
SCN Marker	PI88788

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

NEW 3.0 RM BG9304E3

Enlist E3®



- On the early side of 3.0; two year dominant performance
- Medium-tall with PRR field tolerance and SDS strengths
- Awesome in zone and will move to Southern Ohio as well

Group	3
Emergence	8.0
Standability	7.0
Iron Deficiency Chlorosis	6.0
Phytophthora	8.0
Phytophthora Gene	NG
Brown Stem Rot	7.0
Sclerotinia White Mold	6.0
Flower Color	Purple
Plant Type	Semi-Bush
Pubescence Color	Gray
SCN Resistance	R3, MR14
SCN Marker	PI88788

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

NEW 3.2 RM BG9324E3

Enlist E3®



- Peking SCN resistance with no yield drag
- Excels in all yield environments
- Easy replacement for BG 9332E3 and moves south of zone

Group	3
Emergence	8.0
Standability	7.0
Iron Deficiency Chlorosis	6.0
Phytophthora	8.0
Phytophthora Gene	NG
Brown Stem Rot	9.0
Sclerotinia White Mold	NA
Flower Color	Purple
Plant Type	Semi-Bush +
Pubescence Color	Gray
SCN Resistance	PEKING
SCN Marker	PEKING

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

3.4 RM BG9342E3

Enlist E3®




- Javanica Root Knot Nematode Resistant
- Strong Tolerance to Red Crown Rot, Charcoal Rot, and Cercospora
- Move over BG 9332E3 and BG 9350E3. Lead variety in zone and south

Group	3
Emergence	8.0
Standability	8.0
Iron Deficiency Chlorosis	6.0
Phytophthora	7.0
Phytophthora Gene	Rps 1k
Brown Stem Rot	9.0
Sclerotinia White Mold	7.0
Flower Color	Purple
Plant Type	Semi-Bush
Pubescence Color	Light Tawny
SCN Resistance	R3, MR14
SCN Marker	PI88788

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

NEW **BG9364E3** **3.6 RM**

Enlist E3®




- New step variety for replacing BG 9350E3 and BG 9374E3
- Great standability on a very wide plant
- Perfect companions with BG 9342E3 and BG 9383E3

Group	3
Emergence	8.0
Standability	7.0
Iron Deficiency Chlorosis	6.0
Phytophthora	8.0
Phytophthora Gene	NG
Brown Stem Rot	9.0
Sclerotinia White Mold	NA
Flower Color	Purple
Plant Type	Semi-Bush +
Pubescence Color	Gray
SCN Resistance	R3, MR14
SCN Marker	PI88788

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

BG9374E3 **3.7 RM**

Enlist E3®




- Javanica Root Knot Nematode Resistant
- Strong Tolerance to Red Crown Rot, Charcoal Rot, and Cercospora
- Complete disease package. New standard in disease tolerance

Group	3
Emergence	8.0
Standability	8.0
Iron Deficiency Chlorosis	6.0
Phytophthora	7.5
Phytophthora Gene	Rps 1k
Brown Stem Rot	9.0
Sclerotinia White Mold	5.0
Flower Color	Purple
Plant Type	Semi-Bush
Pubescence Color	Light Tawny
SCN Resistance	R3, MR14
SCN Marker	PI88788

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

BG9383E3 **3.8 RM**

Enlist E3®




- Wide plant type with tons of yield
- Excellent plant health with strong tolerance to PRR and Frogeye
- Dominating in Ohio and Indiana with wide adaptability

Group	3
Emergence	8.0
Standability	7.0
Iron Deficiency Chlorosis	6.0
Phytophthora	8.0
Phytophthora Gene	Rps 1c
Brown Stem Rot	7.0
Sclerotinia White Mold	6.0
Flower Color	White
Plant Type	Bushy
Pubescence Color	Light Tawny
SCN Resistance	R3, MR14
SCN Marker	PI88788

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

NEW **BG9414E3** **4.1 RM**

Enlist E3®



- Medium-tall Enlist E3® variety with very good branching
- Tops the low and the high yielding plots
- Good Frogeye Leaf Spot and Target Spot scores

Group	4
Emergence	9.0
Standability	7.0
Iron Deficiency Chlorosis	NA
Phytophthora	7.0
Phytophthora Gene	Rps1c
Brown Stem Rot	NA
Sclerotinia White Mold	NA
Flower Color	White
Plant Type	Semi-Bush
Pubescence Color	Light Tawny
SCN Resistance	R3, MR14
SCN Marker	PI88788

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

SOYBEAN PRODUCTS

BIOGENESEEDS.COM



5477 Tri-County Hwy
Sardinia, OH 45171
888.862.3276 office
937.444.4042 fax

0.06 RM BG8006RR2X

Roundup Ready 2 Xtend®



- Superior performance throughout the Red River Valley
- Fills top of plant very well in high and low yield environments
- Very attractive Roundup Ready 2 Xtend® variety at 0.06 RM

Group	00
Emergence	8.5
Standability	8.0
Iron Deficiency Chlorosis	8.0
Phytophthora	8.25
Phytophthora Gene	Rps 1k
Brown Stem Rot	7.5
Sclerotinia White Mold	7.75
Flower Color	Purple
Plant Type	Semi-Bush
Pubescence Color	Tawny
SCN Resistance	R3, MR14
SCN Marker	PI88788

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

0.07 RM BG8007RR2X

Roundup Ready 2 Xtend®



- Tall, rugged soybean built for North Dakota and Minnesota
- Strongest IDC tolerant Roundup Ready 2 Xtend® variety available
- Very good Phytophthora Field tolerance

Group	00
Emergence	8.5
Standability	8.0
Iron Deficiency Chlorosis	8.5
Phytophthora	8.0
Phytophthora Gene	Rps 1k
Brown Stem Rot	7.5
Sclerotinia White Mold	7.75
Flower Color	Purple
Plant Type	Semi-Bush
Pubescence Color	Tawny
SCN Resistance	R3, MR14
SCN Marker	PI88788

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

0.08 RM BG8008RR2X

Roundup Ready 2 Xtend®



- Strong northern movement and IDC tolerance
- Very high level of Phytophthora tolerance
- Roundup Ready 2 Xtend® variety best suited for narrow rows

Group	00
Emergence	8.5
Standability	8.25
Iron Deficiency Chlorosis	8.5
Phytophthora	8.25
Phytophthora Gene	Rps 1c
Brown Stem Rot	7.5
Sclerotinia White Mold	8.0
Flower Color	Purple
Plant Type	Semi-Narrow
Pubescence Color	Light Tawny
SCN Resistance	R3, MR14
SCN Marker	PI88788

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available

0.09 RM BG8009RR2X

Roundup Ready 2 Xtend®



- Rps 1k gene and excellent on IDC
- Tawny, tall, attractive plant with very good resistance to BSR
- Roundup Ready 2 Xtend® variety best suited for narrow rows

Group	00
Emergence	8.5
Standability	8.0
Iron Deficiency Chlorosis	8.25
Phytophthora	8.0
Phytophthora Gene	Rps 1k
Brown Stem Rot	8.5
Sclerotinia White Mold	8.0
Flower Color	Purple
Plant Type	Semi-Narrow
Pubescence Color	Tawny
SCN Resistance	S
SCN Marker	None

Rating Scale: 1 - 9, 9 = Highest Possible, NA = Not Available



Variety Brand	New	Maturity	Group	Emergence	Standability	Iron Deficiency Chlorosis	Phytophthora	Phytophthora Gene	Brown Stem Rot	Sclerotinia White Mold	Flower Color	Plant Type	Pubescence Color	SCN Resistance	SCN Marker
CONVENTIONAL															
BG 261C		2.6	2	8.5	8.0	8.0	9.0	Rps 1k	NA	7.5	Purple	Semi-Bush	Gray	Dual Gene	PI88788 & PI 437654
ENLIST E3®															
BG 9021E3		0.2	0	8.0	7.0	7.0	7.0	NG	NG	6.0	White	Semi-Bush	Gray	R3, MR14	PI88788
BG 9050E3		0.5	0	8.0	7.0	8.0	8.0	Rps 3a	9.0	7.0	Purple	Semi-Bush +	Gray	R3, MR14	PI88788
BG 9070E3		0.7	0	8.0	7.0	8.0	9.0	Rps 3a	NA	8.0	Purple	Semi-Bush	Gray	S	None
BG 9071E3		0.7	0	9.0	8.0	8.0	9.0	Rps 1c & 3a	NG	8.0	Purple	Semi-Bush	Gray	R3, MR14	PI88788
BG 9084E3	✓	0.8	0	8	7.0	7.0	9.0	Rps 3a	9.0	6.0	Purple	Semi-Bush +	Gray	PEKING	PEKING
BG 9100E3		1.0	1	9.0	8.0	8.0	8.0	NG	9.0	8.0	Purple	Semi-Bush +	Gray	R3, MR14	PI88788
BG 9112E3		1.1	1	9.0	9.0	8.0	8.0	NG	9.0	7.0	Purple	Semi-Bush	Gray	R3, MR14	PI88788
BG 9124E3	✓	1.2	1	8.0	7.0	8.0	8.0	Rps 3a	9.0	6.0	Purple	Semi-Bush +	Gray	PEKING	PEKING
BG 9130E3		1.3	1	8.0	7.0	8.0	8.0	Rps 1c	9.0	7.0	Purple	Semi-Bush +	Gray	R3, MR14	PI88788
BG 9150E3		1.5	1	8.0	7.0	8.0	8.0	Rps 3a	9.0	7.0	Purple	Semi-Bush	Gray	R3, MR14	PI88788
BG 9164E3	✓	1.6	1	8.0	8.0	8.0	8.0	Rps1k + Rps6	8.0	8.0	Purple	Semi-Bush	Light Tawny	PEKING	PEKING
BG 9170E3		1.7	1	9.0	8.0	7.0	8.0	Rps 1k	NA	8.0	Purple	Semi-Bush	Gray	R3, MR14	PI88788
BG 9171E3		1.7	1	9.0	7.0	7.0	8.0	Rps 3a	8.0	6.5	Purple	Semi-Bush	Gray	R3, MR14	PI88788
BG 9174E3	✓	1.7	1	8.0	7.0	6.0	8.0	Rps1c	NG	6.0	White	Semi-Bush	Gray	R3, MR14	PI88788
BG 9180E3		1.8	1	8.0	8.0	7.0	7.0	Rps 1c	NA	7.0	Purple	Semi-Bush	Gray	R3, MR14	PI88788
BG 9200E3		2.0	2	8.0	8.0	7.0	9.0	Rps 1c + 3a	9.0	7.0	Purple	Semi-Bush	Gray	R3, MR14	PI88788
BG 9250E3		2.5	2	9.0	7.0	9.0	8.0	NG	9.0	6.0	Purple	Semi-Bush	Gray	R3, MR14	PI88788
BG 9270E3		2.7	2	8.0	8.0	7.0	8.0	Rps 1k	9.0	NA	White	Semi-Bush +	Gray	R3, MR14	PI88788
BG 9290E3		2.9	2	8.0	7.0	6.0	8.0	Rps 1a	NA	NA	White	Semi-Bush	Gray	R3, MR14	PI88788
BG 9294E3	✓	2.9	2	8.0	8.0	7.0	7.0	Rps1k	8.0	7.0	Purple	Semi-Bush	Light Tawny	R3, MR14	PI88788

2024 BIOGENE PRODUCT GUIDE

Variety Brand	New	Maturity	Group	Emergence	Standability	Iron Deficiency Chlorosis	Phytophthora	Phytophthora Gene	Brown Stem Rot	Sclerotinia White Mold	Flower Color	Plant Type	Pubescence Color	SCN Resistance	SCN Marker
BG 9304E3	✓	3.0	3	8.0	7.0	6.0	8.0	NG	7.0	6.0	Purple	Semi-Bush	Gray	R3, MR14	PI88788
BG 9311E3		3.1	3	8.0	7.0	5.0	7.0	Rps 1a	NA	6.0	Purple	Semi-Bush	Gray	R3, MR14	PI88788
BG 9324E3	✓	3.2	3	8.0	7.0	6.0	8.0	NG	9.0	NA	Purple	Semi-Bush +	Gray	PEKING	PEKING
BG 9332E3		3.3	3	9.0	7.0	NA	8.0	NG	8.0	NA	Purple	Bushy	Light Tawny	R3,MR14	PI88788
BG 9342E3		3.4	3	8.0	8.0	6.0	7.0	Rps 1k	9.0	7.0	Purple	Semi-Bush	Light Tawny	R3, MR14	PI88788
BG 9350E3		3.6	3	8.0	7.0	NA	8.0	Rps 1k	9.0	NA	Purple	Bushy	Gray	R3, MR14	PI88788
BG 9364E3	✓	3.6	3	8.0	7.0	6.0	8.0	NG	9.0	NA	Purple	Semi-Bush +	Gray	R3, MR14	PI88788
BG 9370E3		3.7	3	8.0	8.0	8.0	7.0	NG	NA	NA	Purple	Semi-Bush	Gray	R3, MR14	PI88788
BG 9373E3		3.7	3	8.0	7.0	5.0	7.0	NG	NA	5.0	White	Semi-Bush	Light Tawny	R3, MR14	PI88788
BG 9374E3		3.7	3	8.0	8.0	6.0	7.5	Rps 1k	9.0	5.0	Purple	Semi-Bush	Light Tawny	R3, MR14	PI88788
BG 9383E3		3.8	3	8.0	7.0	6.0	8.0	Rps 1c	7.0	6.0	White	Bushy	Light Tawny	R3, MR14	PI88788
BG 9390E3		3.9	3	8.0	7.0	8.0	7.0	NG	NA	NA	White	Semi-Bush	Gray	R3, MR14	PI88788
BG 9414E3	✓	4.1	4	9.0	7.0	NA	7.0	Rps1c	NA	NA	White	Semi-Bush	Light Tawny	R3, MR14	PI88788
BG 9420E3		4.2	4	8.0	8.0	NA	7.0	NG	NA	NA	White	Semi-Bush	Gray	R3, MR14	PI88788
BG 9421E3		4.2	4	9.0	7.5	NA	7.0	NG	NA	NA	White	Semi-Bush +	Light Tawny	R3, MR14	PI88788
BG 9441E3		4.4	4	8.0	7.0	NA	7.0	NG	NA	NA	Purple	Semi-Bush +	Gray	R3, MR14	PI88788
ROUNDUP READY 2 XTEND®															
BG 8006RR2X		0.06	00	8.5	8.0	8.0	8.25	Rps 1k	7.5	7.75	Purple	Semi-Bush	Tawny	R3, MR14	PI88788
BG 8007RR2X		0.07	00	8.5	8.0	8.5	8.0	Rps 1k	7.5	7.75	Purple	Semi-Bush	Tawny	R3, MR14	PI88788
BG 8008RR2X		0.08	00	8.5	8.25	8.5	8.25	Rps 1c	7.5	8.0	Purple	Semi-Narrow	Light Tawny	R3, MR14	PI88788
BG 8009RR2X		0.09	00	8.5	8.0	8.25	8.0	Rps 1k	8.5	8.0	Purple	Semi-Narrow	Tawny	S	None
BG 8000RR2X		0.09	0	8.5	8.0	8.5	8.0	Rps 1k	9.0	8.0	Purple	Semi-Narrow	Tawny	R3, MR14	PI88788
Rating Scale: 1=Lowest Possible, 9=Highest Possible, NA=Not Available, S=Susceptible															

Think Before You Bin Run



Verification Required The last patent on the original Roundup Ready® soybean trait expired a few years ago and U.S. farmers may legally plant saved seed from some varieties of soybean containing the Roundup Ready® soybean trait. However, it is important that you check with your seed supplier to determine if a specific Roundup Ready® soybean variety is covered by other intellectual property rights, and if so, the policy for saving seed of that variety.

Higher Seeding Rate A higher seeding rate may be required for bin-run Roundup Ready® soybeans compared to new branded seed.

Yield Loss Roundup Ready 2 Yield® soybean, Roundup Ready 2 Xtend® soybean, and XtendFlex® soybean varieties typically have a higher yield opportunity than Roundup Ready® soybean varieties.

Cleanout Loss Loss of seed and/or shrink occurs during the seed cleaning and handling processes for bin-run seed.

Seed Treatment Costs Treating your seed will add costs—both the cost of the treatment and the application of that treatment.

Lost Income Every bushel of saved seed you plant is a bushel you're not selling as commodity grain.

Increased Seed Management If you plan to save and bin-run Roundup Ready® soybeans for planting, you will have to manage your harvest operations and grain storage so that the seed isn't co-mingled with other seed that's covered by intellectual property rights.

High Value of New Branded Seed

Latest Technology

- // High-yielding soybean technologies
- // Better variety options
- // Leading seed treatment options

Customer Service

- // Dealer agronomic support before and after the sale
- // Replant policy support
- // Convenient packaging and delivery

Reliable Germination and Quality

- // Rigorously tested and meets U.S. Federal Seed Act requirements
- // Free of seed-borne diseases
- // Properly stored and conditioned

For a list of Bayer's trait patents go to cs.bayerpatents.bayer.com

For questions regarding seed intellectual property, or to anonymously report a saved seed tip, you can contact Bayer in the following ways:

1. Call 1-866-99-BAYER
2. Send a letter: Trait Stewardship, 622 Emerson Road, Suite 150, Creve Coeur, MO 63141
3. Submit a contact request at cropsience.bayer.us/contact or scan the QR code



Bayer is a member of the Seed Innovation and Protection Alliance. Visit www.seedipalliance.com to learn more. SIPA™ is a trademark of the Seed Innovation and Protection Alliance.

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ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. It is a violation of federal and state law to use any pesticide product other than in accordance with its labeling. NOT ALL formulations of dicamba or glyphosate are approved for in-crop use with Roundup Ready 2 Xtend® soybeans. 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 FOR SUCH USES AND APPROVED FOR SUCH USE IN THE STATE OF APPLICATION. Contact the U.S. EPA and your state pesticide 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.

Roundup Ready® Technology contains genes that confer tolerance to glyphosate. **Roundup Ready® 2 Technology** contains genes that confer tolerance to glyphosate. **Roundup Ready 2 Xtend® soybeans** contain 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. Contact your seed brand dealer or refer to the Bayer Technology Use Guide for recommended weed control programs.

Contact your Bayer retailer, refer to the Bayer Technology Use Guide, or call the technical support line at 1-888-283-6847 for recommended Roundup Ready® Xtend Crop System weed control programs. Bayer, Bayer Cross, Roundup Ready 2 Xtend®, Roundup Ready 2 Yield®, Roundup Ready® and XtendFlex® are registered trademarks of Bayer Group. LibertyLink® and the Water Droplet Design® is a trademark of BASF Corporation. ©2022 Bayer Group. All rights reserved.

ARMA

ARMA

TYPE	COMPONENTS
FUNGICIDE	IPCONAZOLE
FUNGICIDE	METALAXYL
FUNGICIDE	THIABENDAZOLE

ARMA COMPLETE

TYPE	COMPONENTS
FUNGICIDE	CARBOXIN
FUNGICIDE	ETHABOXAN
FUNGICIDE	IPCONAZOLE
FUNGICIDE	METALALAXYL
FUNGICIDE	THIABENDAZOLE
INSECTICIDE	IMIDACLOPRID
INOCULANT	BRADYRHIZABRUM JAPONICUM



BIOGENE®
WHEAT



5477 Tri-County Hwy
Sardinia, OH 45171
888.862.3276 office
937.444.4042 fax

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WHEAT VARIETIES

BIOGENESEEDS.COM

BG2W18 MEDIUM MATURITY

- Carries the Fhb1 Marker gene for Head Scab Resistance
- Hessian Fly resistant (type Bio L)
- Racehorse variety with workhorse agronomics
- Very consistent look across regions and soil types
- Excellent agronomics and heavy test weight
- Pair with BioGene's ARMA seed treatments for maximum success

Maturity	Medium
Height	Medium-Tall
Head Type	Bearded
Conventional	1.5M seeds/acre
No-Till	1.6M seeds/acre
Standability	7
Winter Hardiness	8
Test Weight	9
Tillering Ability	8
Soil Types	All
Management Systems	All
Head Scab	9
Stripe Rust	8
Powdery Mildew	8
Septoria Glume Blotch	7
Septoria Leaf Blotch	8
Leaf Rust	7
SBMV	7
BYDV	7

BG2W30 MEDIUM MATURITY

- Carries the Fhb1 Marker gene for Head Scab Resistance
- Top yielding leading variety with excellent disease package
- Excellent tillering and winter hardiness
- Slightly earlier maturity than BG 2W18
- Excellent test weight and standability
- Responds well to top management
- Pair with BioGene's ARMA seed treatments for maximum success

Maturity	Medium
Height	Medium-Tall
Head Type	Bearded
Conventional	1.5M seeds/acre
No-Till	1.6M seeds/acre
Standability	8
Winter Hardiness	8
Test Weight	9
Tillering Ability	8
Soil Types	All
Management Systems	All
Head Scab	9
Stripe Rust	8
Powdery Mildew	7
Septoria Glume Blotch	8
Septoria Leaf Blotch	7
Leaf Rust	7
SBMV	7
BYDV	8

BG2W31 MEDIUM MATURITY

- Carries the Fhb1 Marker gene for Head Scab Resistance
- Hessian Fly resistant (type Bio O)
- Extremely versatile for all soil and management types
- Multiple year pre-release testing trial winner

Maturity	Medium
Height	Medium
Head Type	Bearded
Conventional	1.5M seeds/acre
No-Till	1.6M seeds/acre
Standability	8
Winter Hardiness	8
Test Weight	8
Tillering Ability	8
Soil Types	All
Management Systems	All
Head Scab	9
Stripe Rust	8
Powdery Mildew	9
Septoria Glume Blotch	7
Septoria Leaf Blotch	8
Leaf Rust	7.5
SBMV	8
BYDV	7.5



BIOGENE®
ALFALFA



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AFX 469

ALFALFA FOR AGGRESSIVE MANAGERS

PERFORMANCE

- For growers who aggressively manage their established alfalfa acres to maximize milk per acre
- A 11 % yield advantage versus PGI 557
- FastGrowth ability shaves 3 to 5 days off the time between harvests to maximize seasonal yield
- Carries a strong, multiple-pest package to protect fast-growing plants and aggressively managed acres

MANAGEMENT

- Fast-growing variety for production areas that use fall dormancy 4 and 5 alfalfas, and when four or more cuts are expected each season
- Average seedling year yield performance when spring direct seeded
- Very early harvest maturity; reaches late bud or early flower 3 to 5 days ahead of most dormant alfalfas
- Very fast green-up after harvest and accelerated growth to harvest maturity

APPEARANCE AT HARVEST MATURITY

- Tall and showy, with large leaves

Pest Package		HR	R	MR	LR	S
DISEASES	Anthracnose	✓				
	Aphanomyces - Race 1	✓				
	Aphanomyces - Race 2				✓	
	Bacterial Wilt	✓				
	Fusarium Wilt	✓				
	Phytophthora Root Rot	✓				
	Verticillium Wilt	✓				
INSECTS	Blue Alfalfa Aphid					
	Pea Aphid					
	Cowpea Aphid					
	Spotted Alfalfa Aphid					
NEMATODE RESISTANCE						
Stem Nematode		✓				

AGRONOMICS

Yield Rating 5

Fall Dormancy Class FD 4

Winter Hardiness Class WS 1.5

Multifoliate Leaf Expression 47%/Low MF

FastGrowth Rating 2.11/Very Fast

Yield Rating Key: 5 = Best; 3 = Average; 1 = Poor

Agronomic Yield Ratings are based on average performance between Alfalex varieties. Actual performance may be adversely affected by extreme conditions. Unless stated, ratings are based on standardized testing procedures endorsed by the North American Alfalfa Improvement Conference.

FastGrowth ratings are calculated by Alfalex Seeds from weekly measurement of varieties grown side-by-side from green-up to harvest through the growing season.

Expressed as average centimeters growth per day.

>2.20 = Very Fast; >2.00 = Fast; >1.80 = Average; >1.60 = Slow; <1.60 = Very Slow

AFX 579

ALFALFA FOR AGGRESSIVE MANAGERS

PERFORMANCE

- For growers who aggressively manage and harvest their alfalfa acres to maximize dry matter yield per acre
- FastGrowth ability shaves 3 to 5 days off the time between harvests to maximize seasonal yield
- Carries a strong, multiple-pest package to protect fast-growing plants and aggressively managed acres

MANAGEMENT

- Fast-growing variety for production areas that use fall dormancy 4 and 5 alfalfas, and when four or more cuts are expected each season
- Very early harvest maturity; reaches late bud or early flower 3 to 5 days ahead of most dormant alfalfas
- Very fast green-up after harvest and accelerated growth to harvest maturity

APPEARANCE AT HARVEST MATURITY

- Tall and showy, with large dark green leaves

Pest Package		HR	R	MR	LR	S
DISEASES	Anthracnose	✓				
	Aphanomyces - Race 1	✓				
	Aphanomyces - Race 2		✓			
	Bacterial Wilt	✓				
	Fusarium Wilt	✓				
	Phytophthora Root Rot	✓				
	Verticillium Wilt	✓				
INSECTS	Blue Alfalfa Aphid		✓			
	Pea Aphid		✓			
	Cowpea Aphid		✓			
	Spotted Alfalfa Aphid		✓			
NEMATODE RESISTANCE						
Stem Nematode		✓				

AGRONOMICS

Yield Rating 5 or Best

Fall Dormancy Class FD 5

Winter Hardiness Class WS 2.5

Multifoliate Leaf Expression 49%/Low MF

FastGrowth Rating 2.26/Very Fast

Yield Rating Key: 5 = Best; 3 = Average; 1 = Poor

Agronomic Yield Ratings are based on average performance between Alfalex varieties. Actual performance may be adversely affected by extreme conditions. Unless stated, ratings are based on standardized testing procedures endorsed by the North American Alfalfa Improvement Conference.

FastGrowth ratings are calculated by Alfalex Seeds from weekly measurement of varieties grown side-by-side from green-up to harvest through the growing season.

Expressed as average centimeters growth per day.

>2.20 = Very Fast; >2.00 = Fast; >1.80 = Average; >1.60 = Slow; <1.60 = Very Slow



Before opening a bag of seed, be sure to read, understand and accept the stewardship requirements, including applicable refuge requirements for insect resistance management, for the biotechnology traits expressed in the seed as set forth in the Technology/Stewardship Agreement that you sign. By opening and using a bag of seed, you are reaffirming your obligation and agreement to comply with the most recent stewardship requirements.

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. Commercialized products have been approved for import into key export markets with functioning regulatory systems. Any crop or material produced from this product 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 this product. Excellence Through Stewardship® is a registered trademark of Excellence Through Stewardship.

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. It is a violation of federal and state law to use any pesticide product other than in accordance with its labeling. NOT ALL formulations of dicamba or glufosinate are approved for in-crop use with Roundup Ready 2 Xtend® soybeans. 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 FOR SUCH USES AND APPROVED FOR SUCH USE IN THE STATE OF APPLICATION. Contact the U.S. EPA and your state pesticide regulatory agency with any questions about the approval status of dicamba herbicide products for in-crop use with products with XtendFlex® Technology. **B.t. products** may not yet be registered in all states. Check with your seed brand representative for the registration status in your state.

Refuge seed may not always contain the DroughtGard® trait. **IMPORTANT IRM INFORMATION:** Certain products are sold as RIB Complete® corn blend products, and do not require the planting of a structured refuge except in the Cotton-Growing Area where corn earworm is a significant pest. Products sold without refuge in the bag (non-RIB Complete) require the planting of a structured refuge. See the IRM/Grower Guide for additional information. **Always read and follow IRM requirements.**

Roundup Ready® 2 Technology contains genes that confer tolerance to glyphosate. Roundup Ready 2 Xtend® soybeans contain genes that confer tolerance to glyphosate and dicamba. Products with XtendFlex® Technology contains 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. Contact your seed brand dealer or refer to the Bayer Technology Use Guide for recommended weed control programs.

Insect control technology provided by Vip3A is utilized under license from Syngenta Crop Protection AG. DroughtGard®, RIB Complete®, Roundup Ready 2 Technology and Design®, Roundup Ready 2 Xtend®, Roundup Ready 2 Yield®, Roundup Ready®, SmartStax®, Trecepta®, VT Double PRO® and XtendFlex® are registered trademarks of Bayer Group. Herculex® is a registered trademark of Dow AgroSciences LLC. Agrisure Viptera® is a registered trademark of a Syngenta group company. LibertyLink logo® and LibertyLink® are trademarks of BASF Corporation. Respect the Refuge and Corn Design® and Respect the Refuge® are registered trademarks of National Corn Growers Association.



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Seed containing a patented trait can only be used to plant a single commercial crop. It is unlawful to save and replant Roundup Ready 2 Yield® soybeans, Roundup Ready 2 Xtend® soybeans, and XtendFlex® soybeans. Additional information and limitations on the use of these products are provided in the Technology Stewardship Agreement and the Bayer Technology Use Guide: tug.bayer.com. U.S. patents for Bayer technologies can be found at the following webpage: cs.bayerpatents.bayer.com

Important: Always read and follow label and bag tag instructions; only those labeled as tolerant to glufosinate may be sprayed with glufosinate ammonium based herbicides. Agrisure Viptera®, Artesian®, Viptera®, and E-Z Refuge® are trademarks of a Syngenta Group Company.

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, postemergent weed control of Liberty® herbicide for optimum yield and excellent weed control. LibertyLink®, Liberty® and the Water Droplet logo are registered trademarks of BASF.



Corn trait technology incorporated into these seeds is commercialized under license from Syngenta Seeds, LLC. Herculex® Technology incorporated into these seeds is commercialized under license from Corteva Agriscience, LLC. HERCULEX® and the HERCULEX Shield are trademarks of Corteva Agriscience, LLC.

Seeds containing the Enlist, Herculex and PowerCore traits are protected under one or more U.S. patents which can be found at: www.traitstewardship.com. The purchase of these seed traits include a limited license to produce a single crop in the United States. The use of seed from such a crop or the progeny thereof for propagation or seed multiplication or for production or development of a hybrid or different variety of seed is strictly prohibited. You acknowledge and agree to be bound by the terms and conditions of the following documents in effect at the time of planting of this seed: (i) the Corteva Agriscience Technology Use Agreement and (ii) the Product Use Guides for all technologies in this seed, including the Herbicide Resistance Management (HRM), and Use requirements. To plant Enlist, Herculex and PowerCore seed, you must have a limited license from Corteva Agriscience (or other appropriate affiliates). In consideration of the foregoing, Corteva Agriscience grants to the Grower the limited license to use its technology to produce only a single commercial crop in the United States under the terms and conditions set forth in the Technology Use Agreement in effect at the time of planting of this seed. Always read and follow herbicide label directions prior to use: Enlist® products contain the Enlist trait that provides crop safety for use of labeled over-the-top applications of glyphosate, glufosinate and 2,4-D herbicides featuring Colex-D® technology when applied according to label directions. Following burndown, the only 2,4-D containing herbicide products that may be used with Enlist® crops are products that feature Colex-D technology and are expressly labeled for use on Enlist crops. 2,4-D products that do not contain Colex-D technology are not authorized for use in conjunction with Enlist products.

Enlist E3® soybean seeds containing the Enlist® trait can only be used to plant a single commercial crop. It is unlawful to save and replant Enlist E3® soybeans. Additional information and limitations on the use of these products are provided in the Corteva Agriscience Technology Use Agreement and Enlist® Soybean Product Use Guide. U.S. patents for Corteva Agriscience technologies can be found at the following webpage: www.corteva.us/Resources/trait-stewardship.html.

Corteva Agriscience is a member of Excellence Through Stewardship® (ETS). Corteva Agriscience products are commercialized in accordance with ETS product launch stewardship guidance Corteva Agrisciences Product Launch Stewardship Policy. No crop or material produced from this product can be exported to, used, processed or sold 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 this product. For further information about your crop or grain marketing options, contact BAS at 877-4-TRAITS (877-487-2487). Information regarding the regulatory and market status of agricultural biotechnology products can be found at: www.biotradestatus.com.

Seeds containing the Enlist, Herculex and PowerCore traits are protected under numerous US patents. Seeds containing patented traits can only be used to plant a single commercial crop and cannot be saved or replanted. You acknowledge and agree to be bound by the terms and conditions of the following documents in effect at the time of planting of this seed: (i) the Technology Use Agreement and (ii) the Product Use Guides for all technologies in this seed, including the Herbicide Resistance Management (HRM), and Use requirements detailed therein (www.corteva.us/Resources/trait-stewardship.html). To plant Enlist, Herculex and PowerCore seed, you must have a limited license from Corteva Agriscience. In consideration of the foregoing, Corteva Agriscience grants to the Grower the limited license to use its technology to produce only a single commercial crop in the United States under the terms and conditions set forth in the Technology Use Agreement in effect at the time of planting of this seed.

Always read and follow herbicide label directions prior to use: Enlist® products contain the Enlist trait that provides crop safety for use of labeled over-the-top applications of glyphosate, glufosinate and 2,4-D herbicides featuring Colex-D® technology when applied according to label directions. Following burndown, the only 2,4-D containing herbicide products that may be used with Enlist® crops are products that feature Colex-D technology and are expressly labeled for use on Enlist crops. 2,4-D products that do not contain Colex-D technology are not authorized for use in conjunction with Enlist products. Enlist corn contains genes that confer tolerance to 2,4-D and -fop herbicides. 2,4-D and -fop herbicides will damage or kill crops that are not tolerant to 2,4-D or -fops.



IRM - Properly managing trait technology is key to preserving it as a long-term crop protection tool. Growers who fail to comply with IRM requirements risk losing access to this product. To help preserve the effectiveness of B.t. corn technologies, growers planting B.t. corn technologies are required to follow an IRM Plan. Consult the Corn Product Use Guide for appropriate refuge configuration options. Before opening a bag of seed, be sure to read, understand and accept the stewardship requirements, including applicable refuge requirements for insect resistance management, for the biotechnology traits expressed in the seed as set forth in the Technology Use Agreement and Product Use Guide.

By opening and using a bag of seed, you are reaffirming your obligation to comply with the most recent stewardship requirements. For complete details on IRM requirements for hybrids with Bt technology, including refuge examples and important information on the use of insecticides on refuge and Bt corn acres, please consult appropriate Product Use Guide. Go to www.corteva.us/Resources/trait-stewardship.html to download the latest Corteva Agriscience Corn Product Use Guide.



Enlist E3® soybean seeds containing the Enlist® trait can only be used to plant a single commercial crop. It is unlawful to save and replant Enlist E3® soybeans. Additional information and limitations on the use of these products are provided in the Corteva Agriscience Technology Use Agreement and Enlist® Soybean Product Use Guide. U.S. patents for Corteva Agriscience technologies can be found at the following webpage: www.corteva.us/Resources/trait-stewardship.html.

Enlist Duo® and Enlist One® herbicides are not registered for sale or use in all states or counties. Contact your state pesticide regulatory agency to determine if a product is registered for sale or use in your area. Enlist Duo and Enlist One are the only 2,4-D products authorized for use with Enlist crops. Consult Enlist herbicide labels for weed species controlled. Always read and follow label directions. Enlist E3® soybeans were jointly developed by Corteva Agriscience and MS Technologies, LLC. ®Enlist, Enlist E3, the Enlist E3 logo, and Colex-D are trademarks of Corteva Agriscience. PowerCore® multi-event technology developed by Corteva Agriscience and Monsanto. Roundup®, Roundup Ready®, Roundup Ready 2 Technology and Design, and PowerCore® are registered trademarks of Monsanto Technology LLC. Liberty Link® and the Water Droplet Design® are registered trademarks of BASF. Enlist®, Colex-D®, and Refuge Advanced® are trademarks of Corteva Agriscience and its affiliated companies. Excellence Through Stewardship is a registered trademark of Excellence Through Stewardship.

PowerCore® Enlist® corn products with HX1, VTP, ENL, LL, RR. A separate 5% corn borer refuge in the corn belt, and a separate 20% corn borer refuge in EPA-designated cotton-growing counties must be planted PowerCore Enlist products.

A CLOSER LOOK AT THE ENLIST® WEED CONTROL SYSTEM FOR CORN.



2,4-D choline

| Glyphosate

| Glufosinate

| FOP Herbicides

Enlist Duo® and Enlist One® herbicides with Colex-D® technology are the only herbicides containing 2,4-D that are authorized for preemergence and postemergence use on PowerCore® Enlist® corn crops.



- Convenient proprietary blend of 2,4-D choline and glyphosate
- The two sites of action work together to deliver control of yield-robbing weeds and help prevent resistance

On-Target Application

- 90% less drift than traditional 2,4-D
- 96% less volatile than 2,4-D ester



- Straight-goods 2,4-D choline with additional tank-mix flexibility
- Provides additional tank-mix flexibility with Liberty® herbicide and other qualified tank-mix products, allowing for a customized weed control program to fit each farm

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BioGene® SEEDS

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SEEDS

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