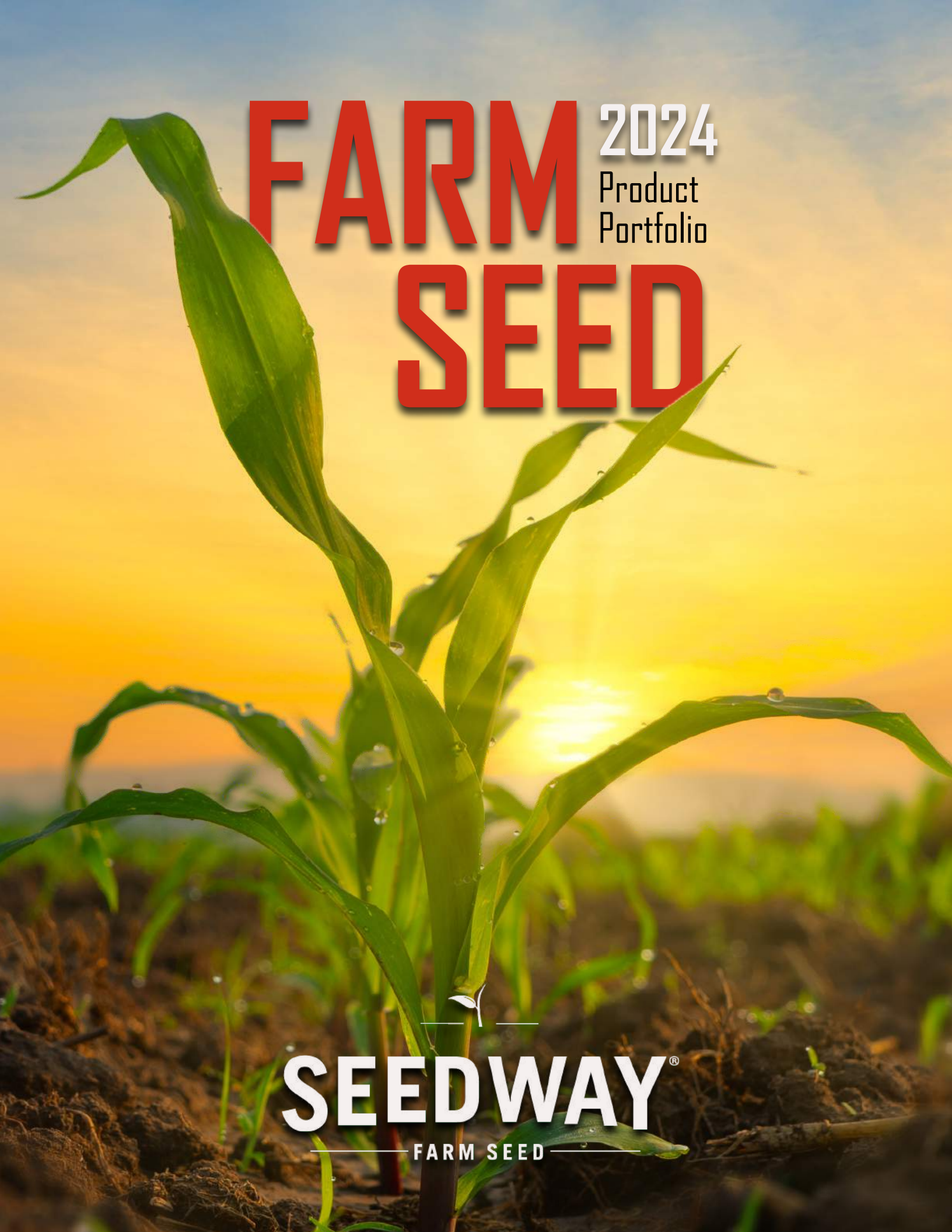

FARM SEED
2024
Product
Portfolio
SEEDWAY®
FARM SEED

INDEX

OUR COMMITMENT TO YOUR SUCCESS

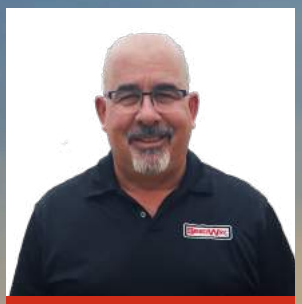
Simply put, we want to be the customer's top choice for seed products. To achieve this, we want to be a trusted and knowledgeable partner for our growers committed to staying ahead of the curve and constantly pushing the boundaries of on-farm success.

For more than 60 years, SEEDWAY has been built upon a singular commitment to earn grower trust by delivering high-quality products and services. As we continue into the next half-century, our goal is to be an on-farm force, helping you get the absolute most out of all the innovations and technologies that are improving the health, yield, and profitability of your operation.

SEEDWAY®
FARM SEED

MEET THE TEAM

Farm Seed Division



LAMAR BOMBERGER
Territory Field Manager
Pennsylvania
(570) 412-6867
lbomberger@seedway.com

JOHN BOURDEAU
Retail Field Manager
VT & NH
(802) 582-9261
jbourdeau@seedway.com

NICK BRITT
Retail Field Manager
Eastern PA, NJ, DE
(716) 807-6571
nbritt@seedway.com

BOB CHAAPEL
Territory Field Manager
Central PA
(570) 412-0475
rchaapel@seedway.com

MARK EDDY
Territory Field Manager
Northern NY
(315) 778-6061
meddy@seedway.com

JOHN FALKENSTEIN
Territory Field Manager
MD, Northern VA
(717) 363-0034
jfalkenstein@seedway.com

CASSIDY FLETCHER
Soybean & Wheat Product Manager
(315) 244-7182
cfletcher@seedway.com

MARK GUTTENDORF
Corn Product Development Manager
(315) 427-3558
mguttendorf@seedway.com

JANET HANEHAN
Territory Field Manager
Eastern NY & CT
(518) 423-4809
jhanehan@seedway.com

CHAD HENRY
Territory Field Manager
Western PA & Eastern OH
(724) 651-0380
chenry@seedway.com

BRIAN JANTZI
Retail Field Manager
Western NY & PA
(716) 450-6638
bjantzi@seedway.com

SHANE LAURIE
Territory Field Manager
Western NY
(315) 244-2462
slaurie@seedway.com

MARK LENGEL
Retail Field Manager
Central PA
(570) 660-0437
mlengel@seedway.com

STACY MARTIN
South Farm Seed Division
Corn & Soybean Specialist
(717) 990-9224
stamartin@seedway.com

MASON MOORE
Territory Field Manager
Finger Lakes NY
(315) 949-4415
mamoore@seedway.com

JOHN MYERS
Territory Field Manager
Southeast PA & NJ
(717) 363-0398
jmyers@seedway.com

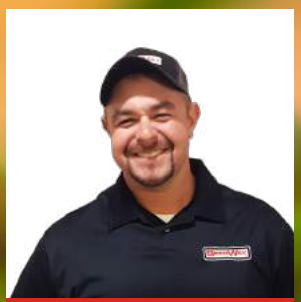
ANDY NEEL
Territory Field Manager
Southern VA & NC
(434) 294-0063
aneel@seedway.com

TAYLOR PUTNAM
Territory Field Manager
ME
(207) 703-3046
tputnam@seedway.com

SCOTT RUSHE
Forage Market Development Manager
(814) 280-2451
srushe@seedway.com

RACHEL TOMKO
New England Sales Manager
Northern NY, VT, ME
(802) 771-5782
rtomko@seedway.com

GLEN YOUSEY
Territory Field Manager
Central NY
(315) 778-3077
gyousey@seedway.com



JEREMIAH ZIMMERMAN
Retail Field Manager
Central PA
(570) 217-7990
jzimmerman@seedway.com

LOCATIONS

Where To Find Us

Wales, ME

295 Leeds Junction Rd
Wales, ME 04280
(207) 933-2109

Shoreham, VT

3442 VT-22A
Shoreham, VT 05770
(802) 897-2281

Trumansburg, NY

2059 State Route 96
Trumansburg, NY 14866
(585) 526-6391

Hall, NY (Headquarters)

1734 Railroad Place
Hall, NY 14463
(585) 526-6391

Mifflinburg, PA

275 North 8th Street
Mifflinburg, PA 17844
(570) 966-3841

Emmaus, PA

5901 Vera Cruz Road
Emmaus, PA 18049
(610) 967-4131

Orangeburg, SC

170 Regional Parkway
Orangeburg, SC 29118
(803) 585-7501

Frostproof, FL

930 Co Rd 630
Frostproof, FL 33843
(863) 635-4473

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Multi-use accounts are a service of John Deere Financial, f.s.b. John Deere Financing is available. Ask about special financing that may be available to qualified customers.

We know **farming**. We know **finance**. We know **you**.

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- **Competitive interest rates**

*All applications are subject to credit approval by FS Agri-Finance underwriting.
**Must meet program requirements to be eligible for offer(s) on qualified products.

CONTACT YOUR SEEDWAY SALES REPRESENTATIVE or the SEEDWAY Credit Department for more information at (585) 526-6391

LIMITED WARRANTY

SEEDWAY warrants for one year from the date of sale the Seeds to conform to the label descriptions provided as required by, and subject to the tolerances established by, state and federal seed laws. Seedway represents and warrants that good title to the Seeds will pass free and clear of all charges, claims, and liens of any nature. THE FOREGOING EXPRESS WARRANTIES ARE THE SOLE WARRANTIES MADE TO BUYER, AND SEEDWAY EXCLUDES AND DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING THE WARRANTIES OF MERCHANTABILITY, NON-INFRINGEMENT, AND FITNESS FOR A PARTICULAR PURPOSE. THERE ARE NO OTHER WARRANTIES.

BY ACCEPTANCE AND USE OF THE SEEDS, BUYER AGREES THAT SEEDWAY'S LIABILITY AND THE BUYER'S EXCLUSIVE REMEDY UNDER ANY THEORY WHATSOEVER SHALL BE LIMITED IN ALL EVENTS TO A RETURN OF THE PURCHASE PRICE OF THE SEEDS. SEEDWAY SHALL IN NO EVENT BE LIABLE FOR ANY CONSEQUENTIAL, PUNITIVE, SPECIAL OR INCIDENTAL DAMAGES ARISING FROM THIS SALE, INCLUDING LOST PROFITS OR LOSS OF USE OF PLANTS OR PRODUCTS FROM THE SEEDS. Claims for defects in the Seeds must be presented within 60 days after discovery, or sooner where required by law or applicable state provisions. Crop yields and quality are due to many causes and conditions beyond SEEDWAY's control; Seedway does not warrant yield or quality. The provisions of this limited warranty and exclusive remedy are severable, and the lack of enforceability of any one provision does not affect the remaining provisions.

After any required or permitted state-specific arbitration, conciliation or mediation of disputes, ANY CONTROVERSY OR CLAIM ARISING OUT OF OR RELATING TO THIS SEED SHALL BE FULLY AND FINALLY RESOLVED BY ARBITRATION IN ACCORDANCE WITH THE RULES THEN PREVAILING OF THE AMERICAN ARBITRATION ASSOCIATION, AND JUDGMENT UPON AWARD RENDERED MAY BE ENTERED IN ANY COURT HAVING JURISDICTION THEREOF. Unless the parties otherwise agree in writing, such arbitration shall be conducted in New York, NY. No arbitration or other claim may be commenced by Buyer as to any Seeds more than one year after receipt of the Seeds. All claims arising out of or relating to this Seed shall be interpreted and construed in accordance with the laws of the State of New York. THESE TERMS SHALL NOT BE MODIFIED OR AMENDED EXCEPT IN WRITING SIGNED BY BOTH PARTIES.

SEED CORN

Seed Corn Technology

CORN HYBRID TRAITS

SEEDWAY® TRAIT CODE	TRAIT NAME	TRAIT PACKAGE	HERBICIDE TOLERANCE	INSECT PROTECTION
CONVENTIONAL	None (NO REFUGE INCLUDED)	None	No tolerance to either Glyphosate or Glufosinate	Dependent on native resistance of base genetics
RR	Roundup Ready® Corn 2 (NO REFUGE INCLUDED)	Roundup Ready Corn 2	Tolerance to Glyphosate	Dependent on native resistance of base genetics
PAST RELEASES VT2P (RIB) NEW RELEASES VT (RIB)	VT Double PRO® RIB Complete® (5 % REFUGE IN A BAG)	VT Double PRO RIB Complete, Roundup Ready 2 Technology	Tolerance to Glyphosate	**Above Ground:** European Corn Borer, Fall Armyworm, & Corn Earworm **Below Ground:** None
TR (RIB)	Trecepta® RIB Complete® (5 % REFUGE IN A BAG)	Trecepta RIB Complete, Roundup Ready 2 Technology	Tolerance to Glyphosate	**Above Ground:** European Corn Borer, Fall Armyworm, Corn Earworm, Western Bean Cutworm, & Black Cutworm **Below Ground:** None
SS (RIB)	SmartStax® RIB Complete® (5 % REFUGE IN A BAG)	SmartStax RIB Complete, LibertyLink, Roundup Ready Corn 2	Tolerance to Glyphosate & Glufosinate	**Above Ground:** European Corn Borer, Fall Armyworm, Corn Earworm, & Black Cutworm. **Below Ground:** Corn Rootworm
GT	Agrisure® GT (NO REFUGE INCLUDED)	Agrisure GT	Tolerance to Glyphosate	Dependent on native resistance of base genetics
VIP 3110	Agrisure Viptera® 3110 (NO REFUGE INCLUDED)	Agrisure Viptera 3110, Agrisure GT	Tolerance to Glyphosate & Glufosinate	**Above Ground:** European Corn Borer, Fall Armyworm, Corn Earworm, Western Bean Cutworm, & Black Cutworm **Below Ground:** None
V (E-Z)	Viptera® + Artesian® (5 % E-Z REFUGE®)	Viptera	Tolerance to Glyphosate & Glufosinate	**Above Ground:** European Corn Borer, Fall Armyworm, Corn Earworm, Western Bean Cutworm, & Black Cutworm **Below Ground:** None
D (E-Z)	Duracade® + Artesian® (5 % E-Z Refuge®)	Duracade	Tolerance to Glyphosate & Glufosinate	**Above Ground:** European Corn Borer, Fall Armyworm, & Black Cutworm **Below Ground:** Corn Rootworm
PAST RELEASES DC 5222 (E-Z) NEW RELEASES DV (E-Z)	DuracadeViptera™ (5 % E-Z REFUGE®)	Duracade Viptera	Tolerance to Glyphosate & Glufosinate	**Above Ground:** European Corn Borer, Fall Armyworm, Corn Earworm Western Bean Cutworm, & Black Cutworm **Below Ground:** Corn Rootworm

INSECT RESISTANCE MANAGEMENT® STATEMENT
Before opening a bag of seed, be sure to read and understand the stewardship requirements, including applicable refuge requirements for insect resistance management, for the biotechnology traits expressed in the seed set forth in the technology agreement that you sign. By opening and using a bag of seed, you are reaffirming your obligation to comply with those stewardship requirements.

Bayer Company 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. B.t. products may not yet be registered in all states. Check with your representative for the registration status in your state.

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 contain genes that confer tolerance to glyphosate. Glyphosate will kill crops that are not tolerant to glyphosate. Herculex® is a registered trademark of Dow AgroSciences LLC. LibertyLink® and the Water Droplet Design® is a trademark of BASF Corporation. Respect the Refuge and Corn Design® and Respect the Refuge® are registered trademarks of National Corn Growers Association. RIB Complete®, Roundup Ready 2 Technology and Design™, Roundup Ready®, SmartStax®, Trecepta®, and VT Double PRO® are trademarks of Bayer Group.

Insect control technology provided by Vip3A is utilized under license from Syngenta Crop Protection AG. Agrisure Viptera® is a registered trademark of a Syngenta group company.

More information about Duracade® is available at http://www.biotradestatus.com/.

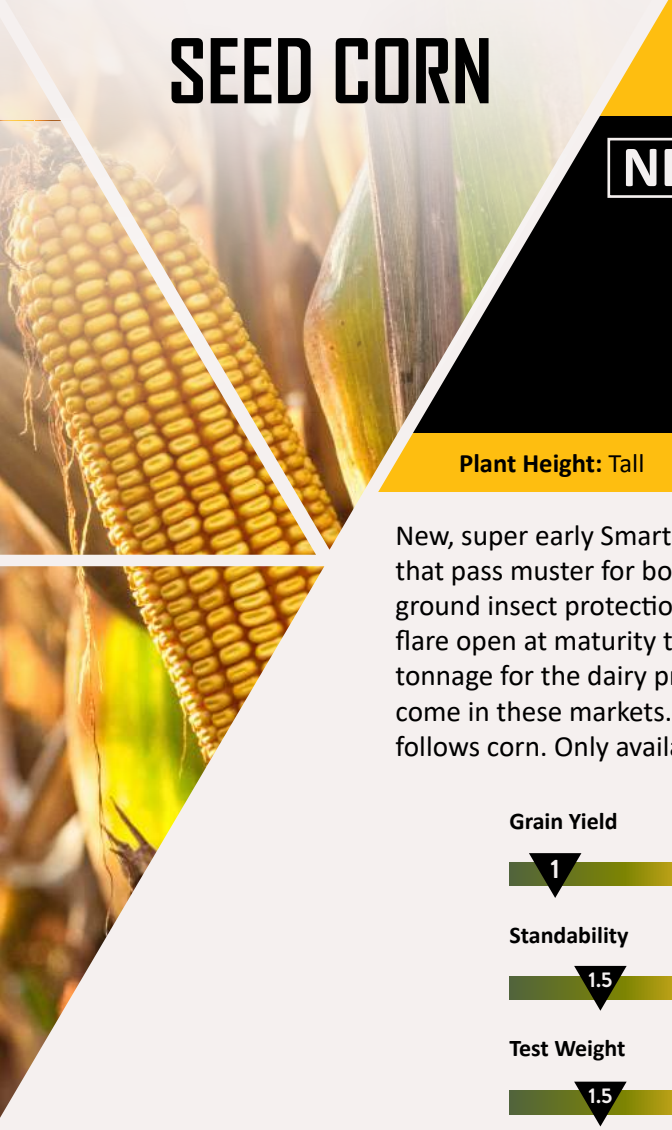
Before opening a bag of seed, be sure to read and understand the stewardship requirements, including applicable refuge requirements for insect resistance management, for the biotechnology traits expressed in the seed set forth in the technology agreement that you sign. By opening and using a bag of seed,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

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®, Agrisure Viptera®, Artesian®, Duracade®, DuracadeViptera™, 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.



NEW SW 8555SS (RIB)

Relative Maturity: 85 Day

SmartStax® RIB COMPLETE®

Plant Height: Tall **Ear Height:** Medium/MH **Ear Type:** Semi-Flex **Plant Population:** Medium/MH

New, super early SmartStax® RIB Complete® hybrid that was built for the North Country. Products that pass muster for both grain and silage in this maturity and also offer both above and below-ground insect protection are hard to come by. Excellent yields of good quality grain and husks that flare open at maturity to accelerate drydown for the grain grower. The large plant provides ample tonnage for the dairy producer. Strong out of the ground for planting in those chilly soils that often come in these markets. Well suited for both the moderate and high yield acre and where corn follows corn. Only available in a SmartStax® RIB Complete® technology trait package.

Grain Yield 1

Standability 1.5

Test Weight 1.5

Grain Drydown 2

Early Vigor 1.5

Stress Tolerance 2

Silage Yield 1

Fiber Profile NR

Starch Profile NR

Staygreen 2

Gray Leaf Spot 3

Northern Corn Leaf Blight 2

Anthracnose Stalk Rot 1.5

Key: 1 = Excellent, 5 = Poor, NR = No Rating

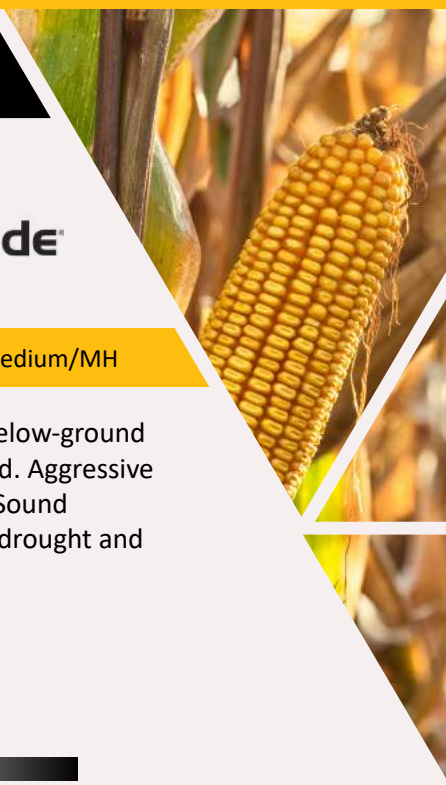
1 2 3 4 5

Plant Characteristics Key:

MH = Medium High, **M =** Medium, **T** = Tall, **MT** = Medium Tall, **L** = Low, **ML** = Medium Low, **NR = No Rating**.

NEW SW 8699D (E-Z)

Relative Maturity: 86 Day



Plant Height: Medium Tall **Ear Height:** Medium **Ear Type:** Semi-Flex **Plant Population:** Medium/MH

Recent, dual-purpose introduction with insect control traits providing both above and below-ground insect protection. Well-suited for both grain and silage acres where heat units are limited. Aggressive emergence and early vigor in the spring set the stage for reliable maturation in the fall. Sound agronomics and top-notch stalk and root strength for harvest flexibility. Holds up under drought and stress featuring Artesian® technology. Adapted to all yield environments in zone.

Grain Yield 2

Standability 2

Test Weight 2

Grain Drydown 2

Early Vigor 1.5

Stress Tolerance 1.5

Silage Yield 2

Fiber Profile NR

Starch Profile NR

Staygreen 2.5

Gray Leaf Spot 3

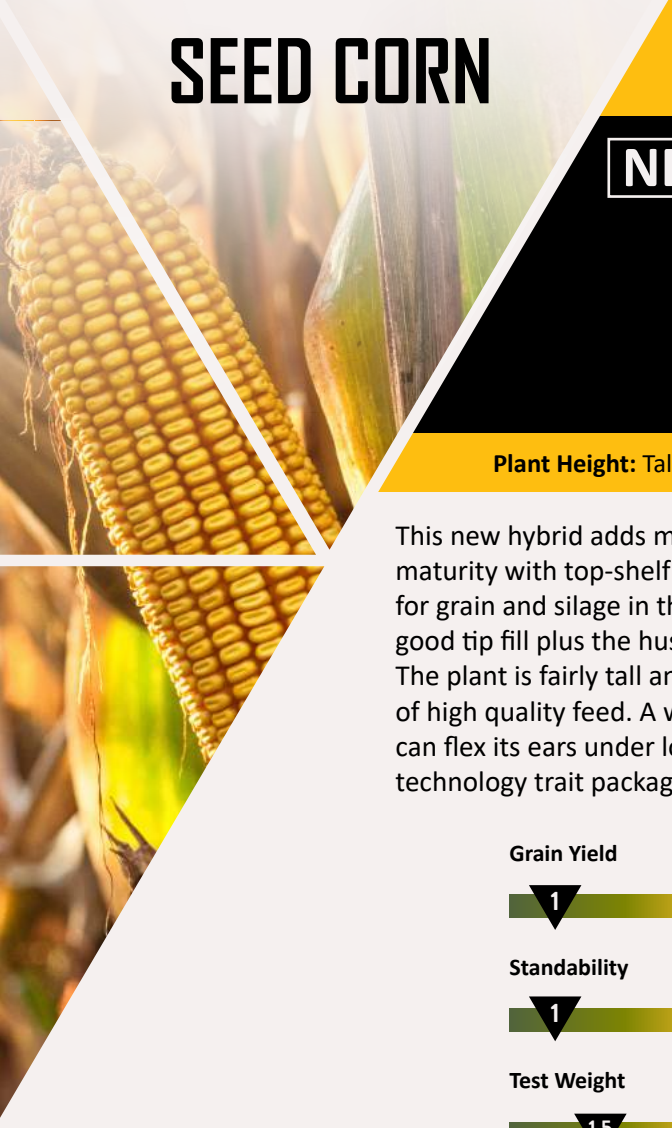
Northern Corn Leaf Blight 2.5

Anthracnose Stalk Rot 2.5

Key: 1 = Excellent, 5 = Poor, NR = No Rating

1 2 3 4 5

Notes



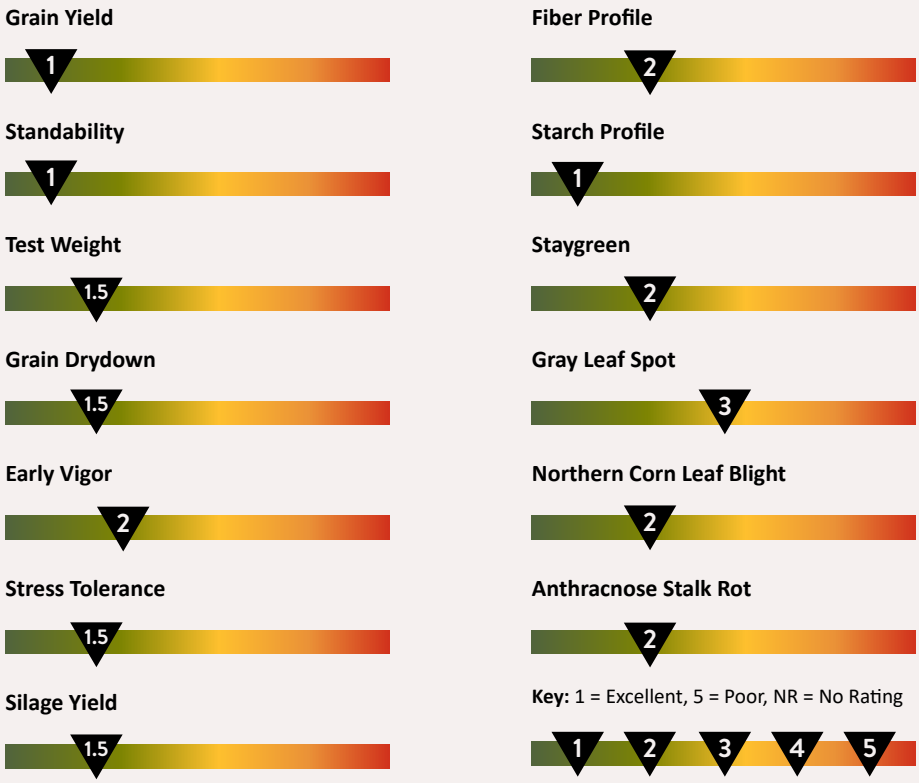
NEW SW 8888VT (RIB)

Relative Maturity: 88 Day

VT Double PRO® RIB Complete®

Plant Height: Tall **Ear Height:** Medium **Ear Type:** Semi-Flex **Plant Population:** Medium/MH

This new hybrid adds more genetic diversity to the SEEDWAY line and addresses a lot of acres in the maturity with top-shelf agronomics. Performance is on par or better than the best current products for grain and silage in the lineup with a fresh, sharp look. The ear is longer, with deep kernels and good tip fill plus the husks flare open at harvest to promote rapid drydown of high-quality grain. The plant is fairly tall and more intact later in the season, producing a lot of fodder to make a lot of high quality feed. A widely adapted hybrid that is up to the test in all yield environments and can flex its ears under lower plant stands. Only available in a VT Double PRO® RIB Complete® technology trait package so use where Corn Rootworm is not a concern.



Plant Characteristics Key:

MH = Medium High, **M =** Medium, **T** = Tall, **MT** = Medium Tall, **L** = Low, **ML** = Medium Low, **NR = No Rating**.

SW 9035SS (RIB)
SW 9035VT (RIB)

Relative Maturity: 90 Day

Plant Height: Tall **Ear Height:** Medium/MH **Ear Type:** Semi-Flex **Plant Population:** Medium/MH

Lead hybrid in the maturity that does most everything right on acre after acre. Simply amazing yields of high-quality grain or silage. Super clean look down the row with superior late-season plant integrity plus strong stalks and roots. Rapid emergence in the spring and fast drydown in the fall. Reliable performance across a wide variety of soil types and management practices. Available in both SmartStax® VT Double Pro Rib Complete® and VT Double Pro Rib Complete trait versions.

Grain Yield

Standability

Test Weight

Grain Drydown

Early Vigor

Stress Tolerance

Silage Yield

Fiber Profile

Starch Profile

Staygreen

Gray Leaf Spot

Northern Corn Leaf Blight

Anthracnose Stalk Rot

Key: 1 = Excellent, 5 = Poor, NR = No Rating

Notes

SW 9199DV (E-Z)

Relative Maturity: 91 Day

Duracade Viptera™

Plant Height: Medium Tall **Ear Height:** Medium **Ear Type:** Semi-Flex **Plant Population:** Medium/MH

Top-shelf grain play with a state-of-the-art insect control trait package that provides both above and below-ground insect protection. Viptera® technology also protects against Western Bean Cutworm and Corn Earworm damage to maintain yield and quality. A fairly tall plant with wider leaves and nice dark green color. Consistent, girthy ears down the row produce high-quality golden grain with first-rate test weight. The lower ear placement and superior plant intactness both support good standability at harvest. Artesian® technology provides season-long drought protection.

Grain Yield 1.5

Standability 2

Test Weight 1.5

Grain Drydown 2

Early Vigor 2

Stress Tolerance 2

Silage Yield 2

Fiber Profile 2

Starch Profile 1

Staygreen 2

Gray Leaf Spot 2.5

Northern Corn Leaf Blight 2.5

Anthracnose Stalk Rot 2

Key: 1 = Excellent, 5 = Poor, NR = No Rating

1 2 3 4 5

Plant Characteristics Key:

MH = Medium High, **M =** Medium, **T** = Tall, **MT** = Medium Tall, **L** = Low, **ML** = Medium Low, **NR = No Rating**.

NEW SW 9229VT (RIB)

Relative Maturity: 92 Day

VTDoublePRO® RIB COMPLETE™

Plant Height: Tall **Ear Height:** Medium/MH **Ear Type:** Semi-Fixed **Plant Population:** Medium High

An attractive new hybrid with the plant stature for silage plus excellent yields of high-quality grain. Strong out-of-the-ground for early planting and reduced tillage situations. The resistance to Anthracnose Stalk Rot supports reliable standability and superior plant intactness late into the season. A more semi-fixed ear benefits from a thicker plant population to maximize yields. Excels in moderate to high-yield environments with good management. Only available in a VT Double PRO® RIB Complete® technology trait package so use where Corn Rootworm is not a concern.

Grain Yield
1

Standability
1

Test Weight
2

Grain Drydown
1.5

Early Vigor
1.5

Stress Tolerance
2

Silage Yield
1

Fiber Profile
NR

Starch Profile
NR

Staygreen
1.5

Gray Leaf Spot
3

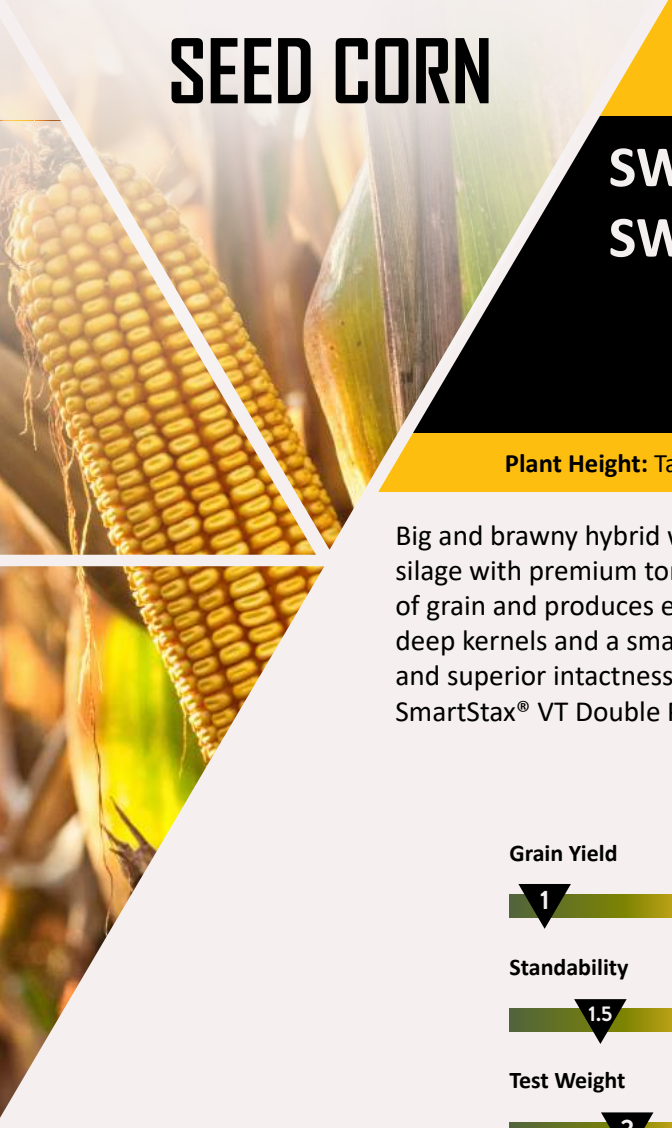
Northern Corn Leaf Blight
2.5

Anthracnose Stalk Rot
1

Key: 1 = Excellent, 5 = Poor, NR = No Rating

1 2 3 4 5

Notes

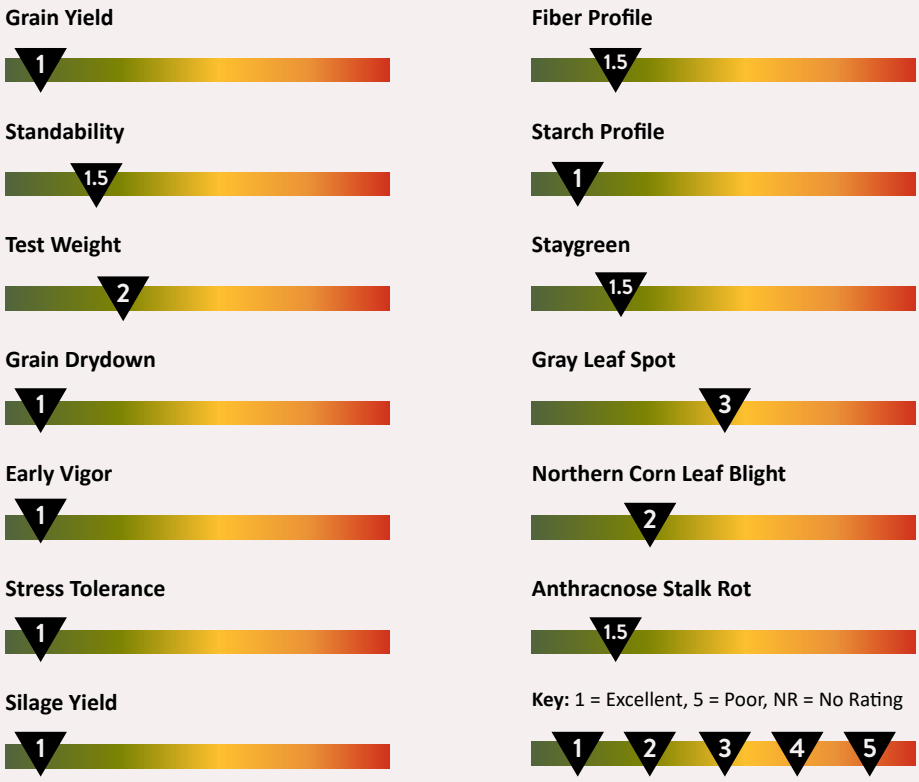


SW 9333SS (RIB)
SW 9333RR

Relative Maturity: 93 Day

Plant Height: Tall **Ear Height:** Medium/MH **Ear Type:** Flex **Plant Population:** Medium/MH

Big and brawny hybrid with non-stop performance in the field and in the bunk. A real standout for silage with premium tonnage plus an enviable fiber and starch package. Shells out a lot of bushels of grain and produces energy-rich feed to make a lot of milk. A shanky, large-eared hybrid with deep kernels and a small cob that really struts its stuff. Fast out of the ground for early planting and superior intactness right through harvest plus fights off Northern Corn Leaf Blight. Both SmartStax® VT Double Pro Rib Complete® and Roundup Ready® Corn 2 versions are available.



Plant Characteristics Key:

MH = Medium High, **M =** Medium, **T** = Tall, **MT** = Medium Tall, **L** = Low, **ML** = Medium Low, **NR = No Rating**.

SW 9375VT (RIB)

Relative Maturity: 93 Day

VTDoublePRO® RIB COMPLETE™

Plant Height: Tall **Ear Height:** Medium/MH **Ear Type:** Semi-Flex **Plant Population:** Medium/MH

Super strong emergence and early growth get this hybrid off to a great start ahead of the pack making it a great choice for early planting and chilled soils. Strong yielder of good quality grain with dependable standability. A longer ear with good girth and flex so it can handle fields with lower plant populations plus, husks that flare open to ensure reliable grain drydown. Solid forage package with both yield and quality. Holds up well under drought and stress and is a good choice for the tough acre. Only available in a VT Double PRO® RIB Complete® technology trait package so use where Corn Rootworm is not a concern.

Grain Yield

Standability

Test Weight

Grain Drydown

Early Vigor

Stress Tolerance

Silage Yield

Fiber Profile

Starch Profile

Staygreen

Gray Leaf Spot

Northern Corn Leaf Blight

Anthracnose Stalk Rot

Key: 1 = Excellent, 5 = Poor, NR = No Rating

Notes

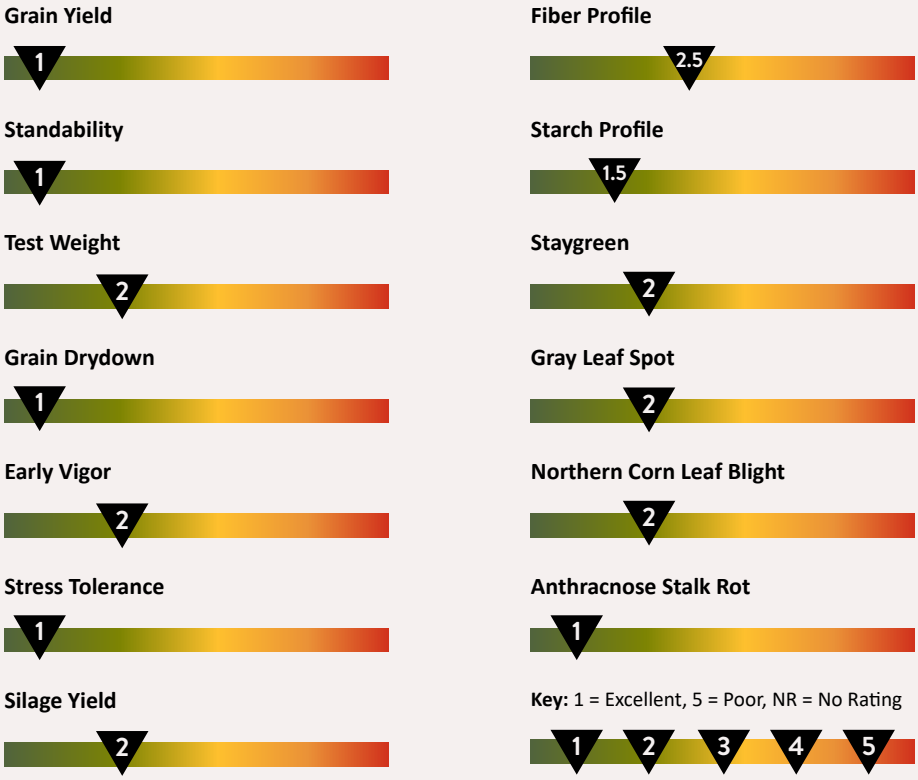
SW 9504VT (RIB)

Relative Maturity: 95 Day

VT Double PRO® RIB COMPLETE®

Plant Height: Tall **Ear Height:** Medium/MH **Ear Type:** Semi-Flex **Plant Population:** Medium/MH

First choice for grain in the maturity when reaching for that ultimate yield experience. Stands strong right through harvest with healthy stalks that fight off Anthracnose Stalk Rot with the best of them. Consistent girthy ears down the row with superior tip fill. Moves north and south of zone and competes with fuller season hybrids. A good choice where Tar Spot pressure is expected to have an economic impact. Only available in a VT Double PRO® RIB Complete® technology trait package so use where Corn Rootworm is not a concern.

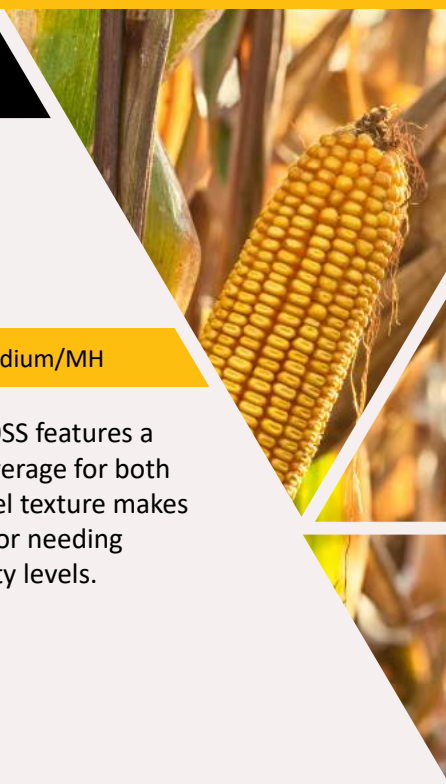


Plant Characteristics Key:

MH = Medium High, **M =** Medium, **T** = Tall, **MT** = Medium Tall, **L** = Low, **ML** = Medium Low, **NR = No Rating**.

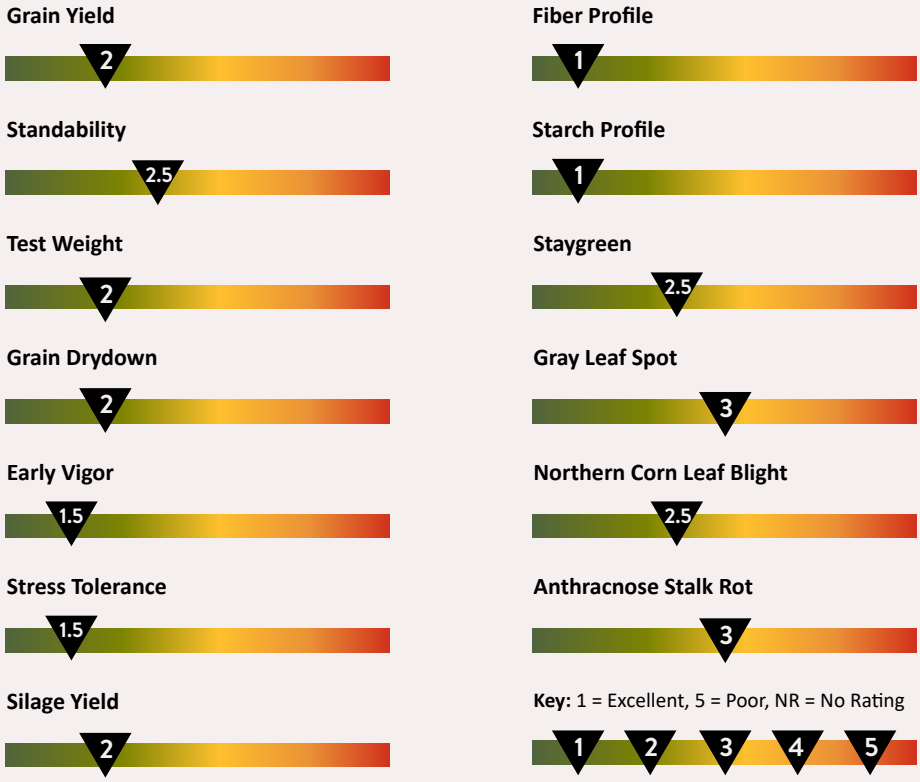
SW 9550SS (RIB)

Relative Maturity: 95 Day



Plant Height: Tall **Ear Height:** Medium/MH **Ear Type:** Semi-Fixed **Plant Population:** Medium/MH

Sister-line selection to the popular SW 3768SS and coming in about a day later. SW 9550SS features a little beefier plant type and a little more flex to the ear in the field with more yield on average for both grain and silage. The tall, leafy plant boasts superior fiber digestibility, and the soft kernel texture makes a lot of highly digestible starch. A good choice when chasing maximum milk production or needing something for high moisture grain. Adapted to a wide range of soil types and productivity levels. Only available in a SmartStax® RIB Complete® technology trait package.



Notes

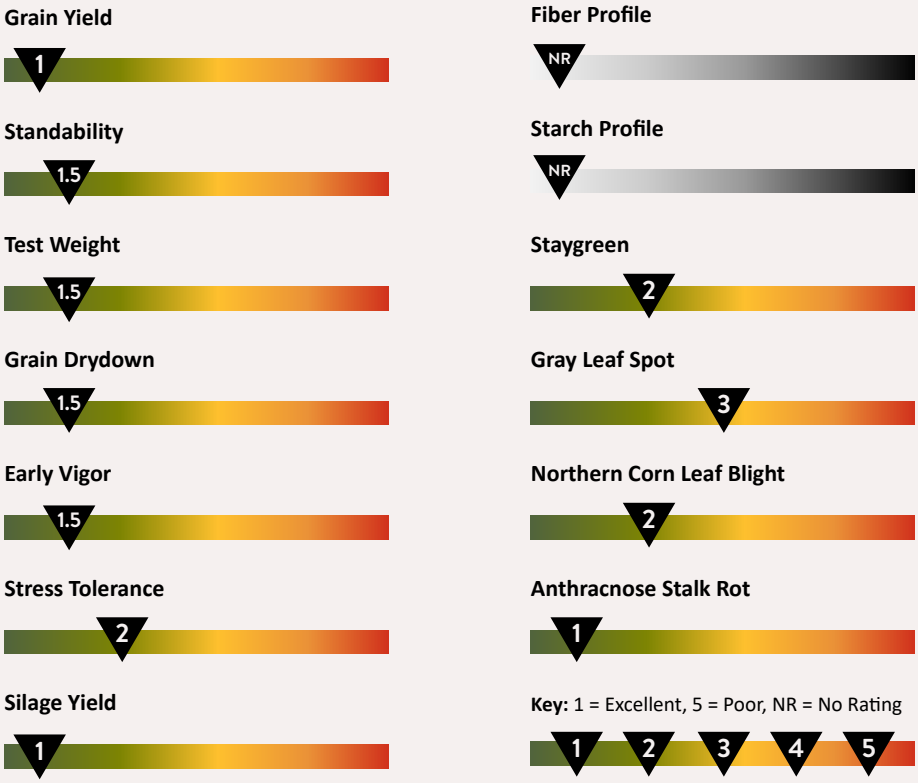
NEW SW 9600SS (RIB)

Relative Maturity: 96 Day

SmartStax® RIB COMPLETE™

Plant Height: Tall **Ear Height:** Medium High **Ear Type:** Semi-Flex **Plant Population:** Medium/MH

This newly released relative to the hot-selling SW 9504VT (RIB) makes a great pairing for grain on fields where below-ground insect protection is needed. The seedling emerges quickly from the soil in the spring and develops into a tall, burly plant with a longer ear that hangs out between the rows in the fall and looks great. Husks flare open to promote rapid grain drydown producing outstanding yields of high-quality grain with superior test weight. Superior stalk health including excellent scores for Anthracnose Stalk Rot plus plant intactness ensure the crop will be standing well at harvest. Expect silage tonnage to run with the best of them and produce a grain-rich ration. Only available in a SmartStax® RIB Complete® technology trait package.



Plant Characteristics Key:

MH = Medium High, **M =** Medium, **T** = Tall, **MT** = Medium Tall, **L** = Low, **ML** = Medium Low, **NR = No Rating**.

SW 9726TR (RIB)

Relative Maturity: 97 Day

Plant Height: Tall **Ear Height:** Medium **Ear Type:** Flex **Plant Population:** Medium

Showcases the exciting Trecepta® technology in high-caliber genetics bringing improved control of Western Bean Cutworm and Corn Earworm. The large, girthy ear flowers late for the maturity and dries down fast bearing exceptional yields of grain on the cob. A softer kernel texture of the grain paired with the exceptional tonnage of the robust plant produces a lot of high-quality feed. Outstanding husk coverage helps ward off bird damage and protect the grain. Massive ears have a lot of flex and adapt to lower plant populations to maintain high yield. Only available in a Trecepta® RIB Complete® technology trait package without Corn Rootworm protection.

Grain Yield

Standability

Test Weight

Grain Drydown

Early Vigor

Stress Tolerance

Silage Yield

Fiber Profile

Starch Profile

Staygreen

Gray Leaf Spot

Northern Corn Leaf Blight

Anthracnose Stalk Rot

Key: 1 = Excellent, 5 = Poor, NR = No Rating

Notes

NEW SW 9876SS (RIB)

Relative Maturity: 98 Day

SmartStax® RIB COMPLETE®

Plant Height: Tall **Ear Height:** Medium **Ear Type:** Semi-Flex **Plant Population:** Medium/MH

Exciting new addition to the SEEDWAY line that is all about yield. The tall, brawny plant with a girthier ear positioned at a more moderate height on the plant produces more average test weight grain. Silage tonnage should be top notch and the softer kernel texture is a recipe for highly digestible starch. Moves both north and south of zone and can still get the job done at a more moderate plant population. Excellent Anthracnose Stalk Rot ratings support dependable standability and plant integrity plus a good choice where Tar Spot pressure is expected to be high. Only available in a SmartStax® RIB Complete® technology trait package.

Grain Yield
1

Standability
1.5

Test Weight
2

Grain Drydown
1.5

Early Vigor
1.5

Stress Tolerance
2

Silage Yield
1.5

Fiber Profile
NR

Starch Profile
NR

Staygreen
2.5

Gray Leaf Spot
3

Northern Corn Leaf Blight
3

Anthracnose Stalk Rot
1

Key: 1 = Excellent, 5 = Poor, NR = No Rating
1 2 3 4 5

Plant Characteristics Key:

MH = Medium High, **M =** Medium, **T** = Tall, **MT** = Medium Tall, **L** = Low, **ML** = Medium Low, **NR = No Rating**.

SW 0030SS (RIB)
SW 0030VT (RIB)
SW 0030

Relative Maturity: 100 Day

SmartStax® RIB COMPLETE | VT Double PRO® RIB COMPLETE

CONVENTIONAL

Plant Height: Tall **Ear Height:** Medium/MH **Ear Type:** Semi-Flex **Plant Population:** Medium/MH

Dominant product in the maturity that exceeds grower expectations in the field. Consistent girthy ears on a leafy plant with an attractive look. Produces abundant harvests of high-quality grain and silage. Starch and fiber profiles are rated the best for maximum milk production. First recommendation wherever the maturity fits plus holds up well under stress and still delivers the goods. SmartStax® RIB Complete®, VT Double PRO® RIB Complete®, and Conventional versions are all options.

Grain Yield
1

Standability
1

Test Weight
2

Grain Drydown
2

Early Vigor
2

Stress Tolerance
1.5

Silage Yield
1

Fiber Profile
1

Starch Profile
1

Staygreen
2

Gray Leaf Spot
2

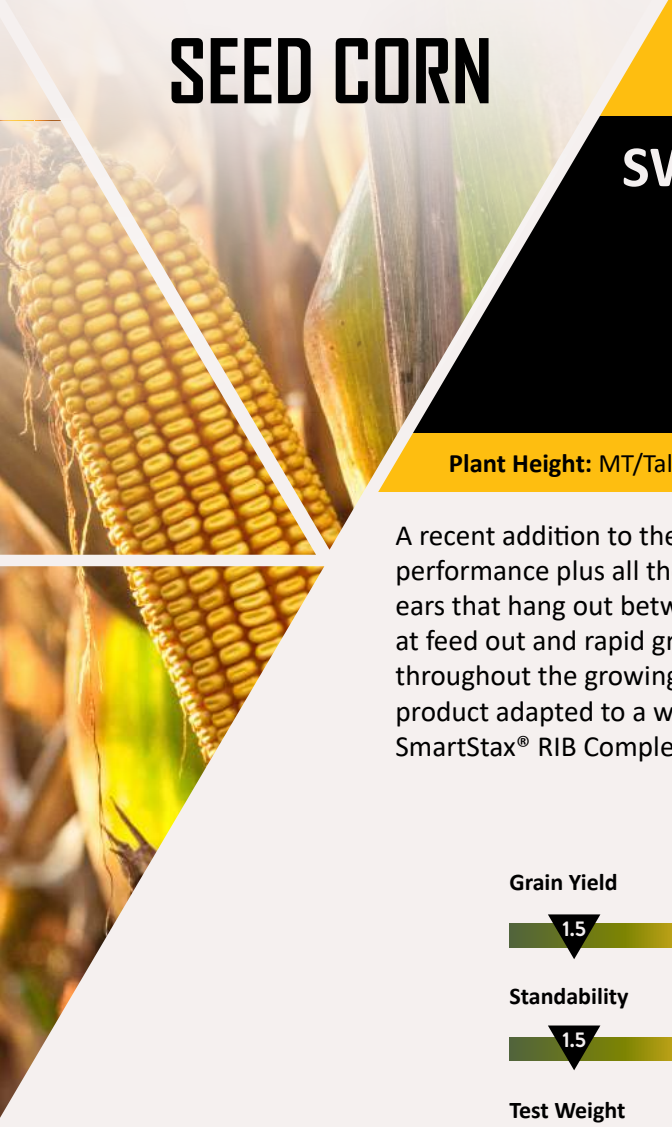
Northern Corn Leaf Blight
3

Anthracnose Stalk Rot
2

Key: 1 = Excellent, 5 = Poor, NR = No Rating

1 2 3 4 5

Notes



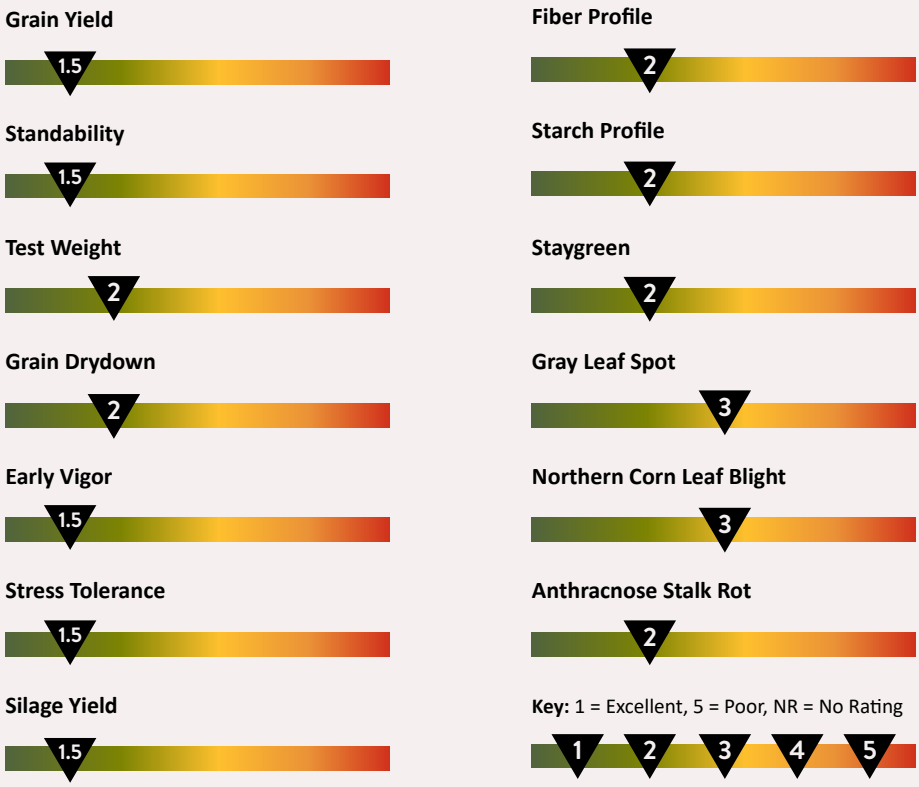
SW 0321SS (RIB)

Relative Maturity: 103 Day

SmartStax® RIB COMPLETE™

Plant Height: MT/Tall **Ear Height:** Medium/MH **Ear Type:** Semi-Flex **Plant Population:** Medium/MH

A recent addition to the SEEDWAY line to bolster sales in the mid-maturities with top-shelf performance plus all the bells and whistles. Very showy hybrid with a robust plant and long, flexy ears that hang out between the rows and fill to the tip for super eye appeal. High-quality forage at feed out and rapid grain drydown for combining. Superior staygreen and plant intactness throughout the growing season ensures a strong standing crop at harvest. Go most anywhere product adapted to a wide range of soil types and productivity levels. Only available in a SmartStax® RIB Complete® technology trait package.



Plant Characteristics Key:

MH = Medium High, **M =** Medium, **T** = Tall, **MT** = Medium Tall, **L** = Low, **ML** = Medium Low, **NR = No Rating**.

SW 0345DV (E-Z)

Relative Maturity: 103 Day

Plant Height: Tall **Ear Height:** Medium **Ear Type:** Semi-Flex **Plant Population:** Medium/MH

Top-shelf silage play in the north with a state-of-the-art insect control trait package that provides both above and below-ground insect protection. Viptera® technology also protects against Western Bean Cutworm and Corn Earworm damage to maintain yield and quality. The tall plant has a more upright leaf habit to improve sunlight interception at denser plant populations and increase tonnage. Push this one on the high-yield acre for maximum production potential. Avoid planting where Gray Leaf Spot is expected to have an economic impact in the south.

Grain Yield 2.5

Standability 2

Test Weight 1.5

Grain Drydown 2

Early Vigor 1.5

Stress Tolerance 2

Silage Yield 1.5

Fiber Profile 1.5

Starch Profile 2.5

Staygreen 3

Gray Leaf Spot 3.5

Northern Corn Leaf Blight 2

Anthracnose Stalk Rot 2.5

Key: 1 = Excellent, 5 = Poor, NR = No Rating

1 2 3 4 5

Notes

SW 0606SS (RIB)
SW 0606

Relative Maturity: 106 Day

SmartStax® RIB COMPLETE®

CONVENTIONAL

Plant Height: MT/Tall **Ear Height:** Medium **Ear Type:** Semi-Fixed **Plant Population:** MH

More of a grain-oriented offering that starts strong out of the gate in the spring and finishes on time with rapid drydown in the fall. Top yield potential on the highly productive acre, but also, strong performance under drought. The lower ear placement on the stalk plus resistance to Anthracnose Stalk Rot supports superior plant standability right through harvest. A more determinant ear takes advantage of a heavier plant population on the better acre to ensure the highest yields. A good option for corn-on-corn ground. Both SmartStax® RIB Complete® and Conventional versions are available.

Grain Yield
1.5

Standability
2

Test Weight
1.5

Grain Drydown
1

Early Vigor
1.5

Stress Tolerance
2

Silage Yield
2

Fiber Profile
1.5

Starch Profile
1.5

Staygreen
2.5

Gray Leaf Spot
2

Northern Corn Leaf Blight
2

Anthracnose Stalk Rot
1.5

Key: 1 = Excellent, 5 = Poor, NR = No Rating

1 2 3 4 5

Plant Characteristics Key:

MH = Medium High, **M** = Medium, **T** = Tall, **MT** = Medium Tall, **L** = Low, **ML** = Medium Low, **NR = No Rating**.

NEW SW 0711SS (RIB)

Relative Maturity: 107 Day

SmartStax® RIB COMPLETE®

Plant Height: Tall **Ear Height:** Medium **Ear Type:** Semi-Flex **Plant Population:** Medium/MH

A real standout in the 2022 SEEDWAY Grain Strip Trials for both yield and test weight. Rated excellent for Anthracnose Stalk Rot and superior for basic stalk and root strength to ensure dependable standability at harvest. The fairly tall plant has a more upright leaf habit to improve sunlight interception at denser plant populations and increase tonnage. Adapted north and south of zone and may benefit from a fungicide application to improve late-season health. Performs up to expectations under all yield environments and is good in drought. Only available in a SmartStax® RIB Complete® technology trait package.

Grain Yield

Standability

Test Weight

Grain Drydown

Early Vigor

Stress Tolerance

Silage Yield

Fiber Profile

Starch Profile

Staygreen

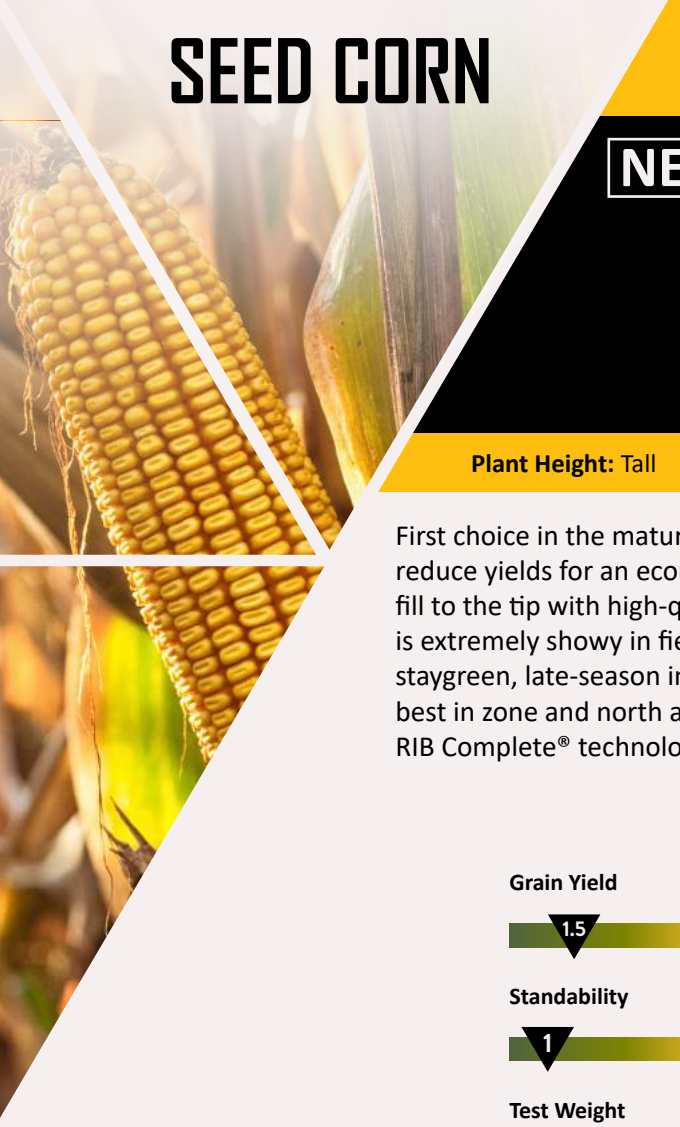
Gray Leaf Spot

Northern Corn Leaf Blight

Anthracnose Stalk Rot

Key: 1 = Excellent, 5 = Poor, NR = No Rating

Notes



NEW SW 0987VT (RIB)

Relative Maturity: 109 Day

VTDoublePRO RIB COMPLETE

Plant Height: Tall **Ear Height:** Medium/MH **Ear Type:** Semi-Flex **Plant Population:** Medium/MH

First choice in the maturity when Gray Leaf Spot pressure is expected to be heavy enough to reduce yields for an economic loss. More of a grain-style product with a long, flexy ear that can fill to the tip with high-quality, heavy test weight kernels. A very clean and consistent hybrid that is extremely showy in field after field throughout the fall harvest season. Superior plant health, staygreen, late-season intactness, and standability all add up to remarkable durability. Performs best in zone and north and adapts to lower plant populations. Only available in a VT Double PRO® RIB Complete® technology trait package so use where Corn Rootworm is not a concern.

Grain Yield 1.5

Standability 1

Test Weight 1

Grain Drydown 2

Early Vigor 2

Stress Tolerance 2

Silage Yield 2

Fiber Profile NR

Starch Profile NR

Staygreen 1.5

Gray Leaf Spot 1

Northern Corn Leaf Blight 2

Anthracnose Stalk Rot 1.5

Key: 1 = Excellent, 5 = Poor, NR = No Rating

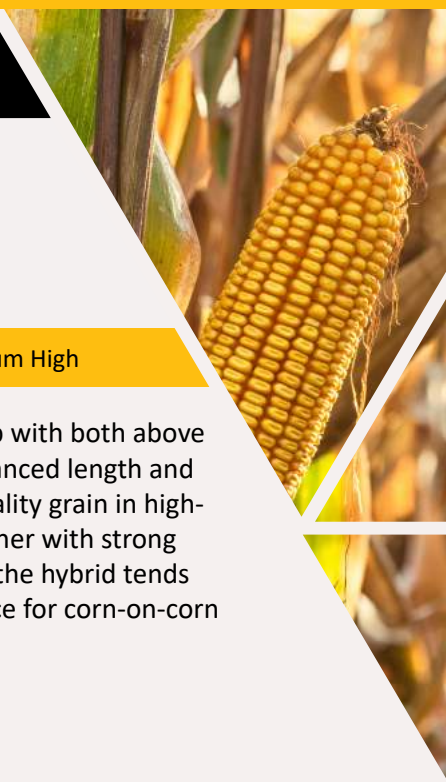
1 2 3 4 5

Plant Characteristics Key:

MH = Medium High, **M** = Medium, **T** = Tall, **MT** = Medium Tall, **L** = Low, **ML** = Medium Low, **NR = No Rating**.

NEW SW 0999SS (RIB)

Relative Maturity: 109 Day



SmartStax® RIB COMPLETE®

Plant Height: Tall **Ear Height:** Medium **Ear Type:** Semi-Fixed **Plant Population:** Medium High

This new SmartStax® RIB Complete® hybrid helps round out the SEEDWAY® Brand lineup with both above and below-ground insect protection in an important maturity. A semi-fixed ear with balanced length and girth excels with an increased plant population to produce more bushels of first-rate quality grain in high-yield environments. The plant is tall and has a more moderate ear placement that together with strong stalks and greensnap ratings ensures great standability. Staygreen ratings are good, but the hybrid tends to lose color quickly when it matures. Gray Leaf Spot ratings are strong and a good choice for corn-on-corn ground.

Grain Yield

Standability

Test Weight

Grain Drydown

Early Vigor

Stress Tolerance

Silage Yield

Fiber Profile

Starch Profile

Staygreen

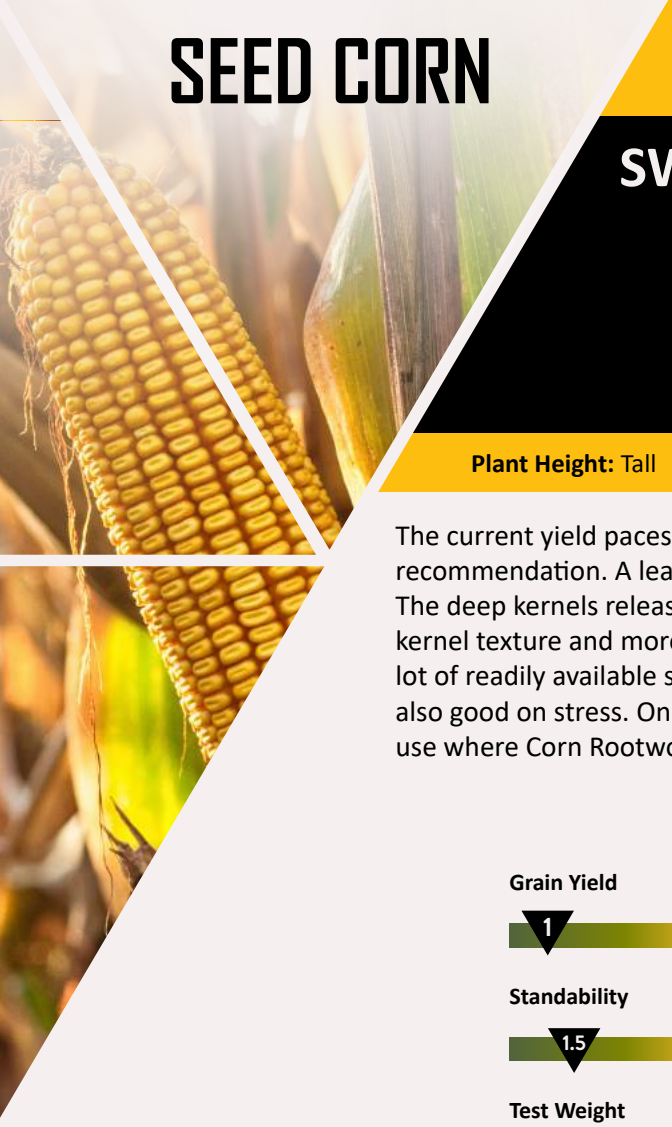
Gray Leaf Spot

Northern Corn Leaf Blight

Anthracnose Stalk Rot

Key: 1 = Excellent, 5 = Poor, NR = No Rating

Notes



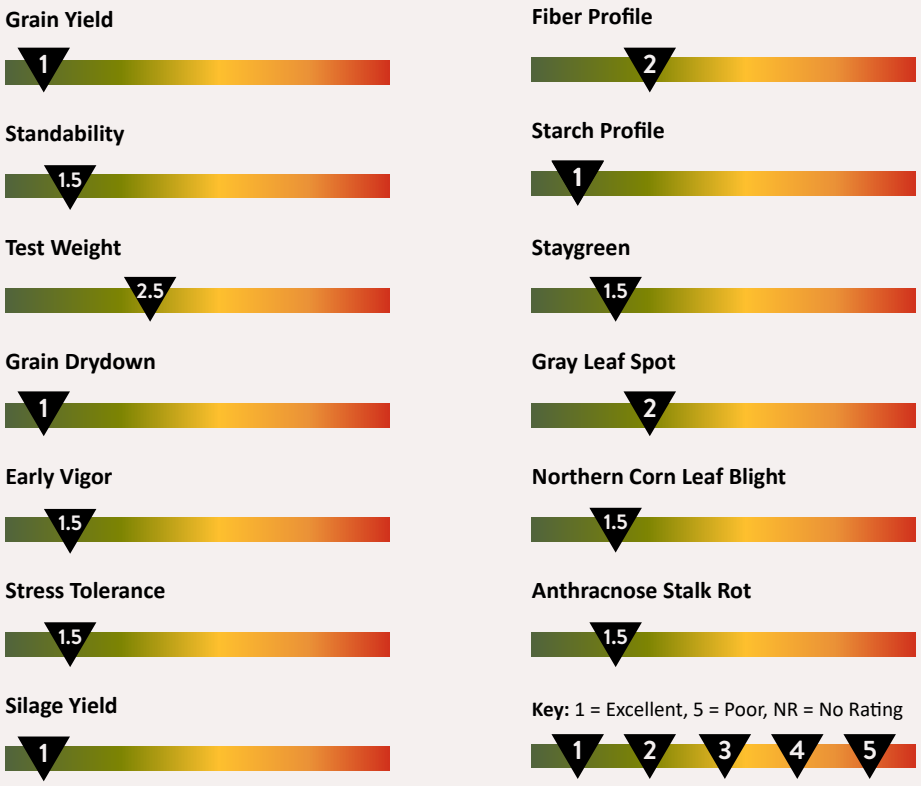
SW 1021VT (RIB)

Relative Maturity: 110 Day

VT Double PRO® RIB COMPLETE®

Plant Height: Tall **Ear Height:** Medium/MH **Ear Type:** Semi-Flex **Plant Population:** Medium/MH

The current yield pacesetter for grain yield in the maturity comes with the highest recommendation. A leafy, robust plant that puts on a large, flexy ear with both length and girth. The deep kernels release their moisture quickly after grain fill is complete resulting in a softer kernel texture and more moderate test weight. All this adds up to a silage ration rich in grain with a lot of readily available starch in the ration. Responds to good management with higher yields, but also good on stress. Only available in a VT Double PRO® RIB Complete® technology trait package so use where Corn Rootworm is not a concern.



Plant Characteristics Key:

MH = Medium High, **M =** Medium, **T** = Tall, **MT** = Medium Tall, **L** = Low, **ML** = Medium Low, **NR = No Rating**.

SW 1162VT (RIB)

Relative Maturity: 111 Day

Plant Height: Tall **Ear Height:** Medium/MH **Ear Type:** Semi-Flex **Plant Population:** Medium/MH

Large footprint hybrid with outstanding grain yields and dependable standability until harvest. A hefty ear style with length, girth, and flex on a leafy plant. Extreme forage tonnage with superior fiber and starch disgestibility can make a lot of milk. Strong emergence and early plant growth make it a top choice for cooler soils and reduced tillage. Adapted to all yield environments and moves both north and south of zone with excellent results. Only available in a VT Double PRO® RIB Complete® technology trait package so use where Corn Rootworm is not a concern.

Grain Yield

Standability

Test Weight

Grain Drydown

Early Vigor

Stress Tolerance

Silage Yield

Fiber Profile

Starch Profile

Staygreen

Gray Leaf Spot

Northern Corn Leaf Blight

Anthracnose Stalk Rot

Key: 1 = Excellent, 5 = Poor, NR = No Rating

Notes

SW 1188SS (RIB)

Relative Maturity: 111 Day

SmartStax® RIB COMPLETE®

Plant Height: Tall **Ear Height:** Medium/MH **Ear Type:** Semi-Flex **Plant Population:** Medium/MH

A great crossover hybrid producing abundant harvests of high-quality grain and silage. The starch and fiber profiles support strong animal performance. A more upright leaf habit adapts well to thicker plant stands and the outstanding husk coverage helps protect against bird damage on acres at risk. Push this one with top management for maximum performance and reap the rewards. Dependable drydown going north and takes the heat moving south while competing with fuller season hybrids. Only available in a SmartStax® RIB Complete® technology trait package.

Grain Yield 1

Standability 1.5

Test Weight 1.5

Grain Drydown 1

Early Vigor 1.5

Stress Tolerance 2

Silage Yield 1

Fiber Profile 1.5

Starch Profile 1.5

Staygreen 2

Gray Leaf Spot 2

Northern Corn Leaf Blight 2

Anthracnose Stalk Rot 1.5

Key: 1 = Excellent, 5 = Poor, NR = No Rating

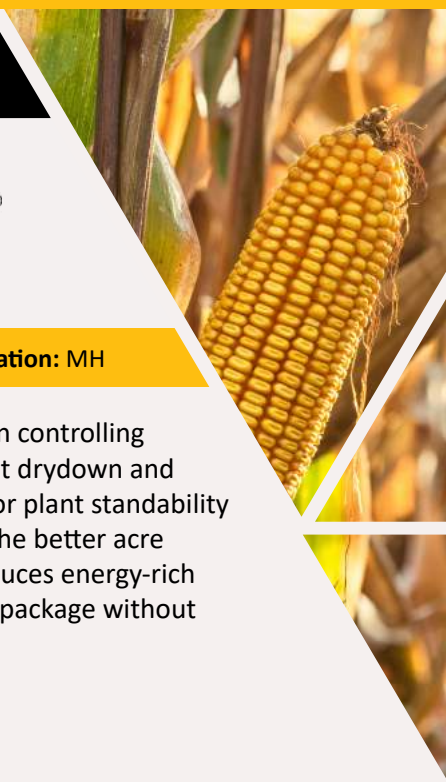
1 2 3 4 5

Plant Characteristics Key:

MH = Medium High, **M** = Medium, **T** = Tall, **MT** = Medium Tall, **L** = Low, **ML** = Medium Low, **NR = No Rating**.

SW 1345TR (RIB)

Relative Maturity: 113 Day



Plant Height: Medium Tall/T **Ear Height:** Medium/ML **Ear Type:** Semi-Fixed **Plant Population:** MH

These high-performance genetics demonstrate the advantage of Trecepta® technology in controlling Western Bean Cutworm and Corn Earworm. Impressive yields of grain that start with fast drydown and finish with surprising test weight. The lower ear placement on the stalk supports superior plant standability right through harvest. A more determinant ear shines with a good plant population on the better acre to attain the highest yields. The robust plant with wide leaves and dark green color produces energy-rich forage with a lot of starch. Only available in a Trecepta® RIB Complete® technology trait package without Corn Rootworm protection.

Grain Yield

Standability

Test Weight

Grain Drydown

Early Vigor

Stress Tolerance

Silage Yield

Fiber Profile

Starch Profile

Staygreen

Gray Leaf Spot

Northern Corn Leaf Blight

Anthracnose Stalk Rot

Key: 1 = Excellent, 5 = Poor, NR = No Rating

Notes

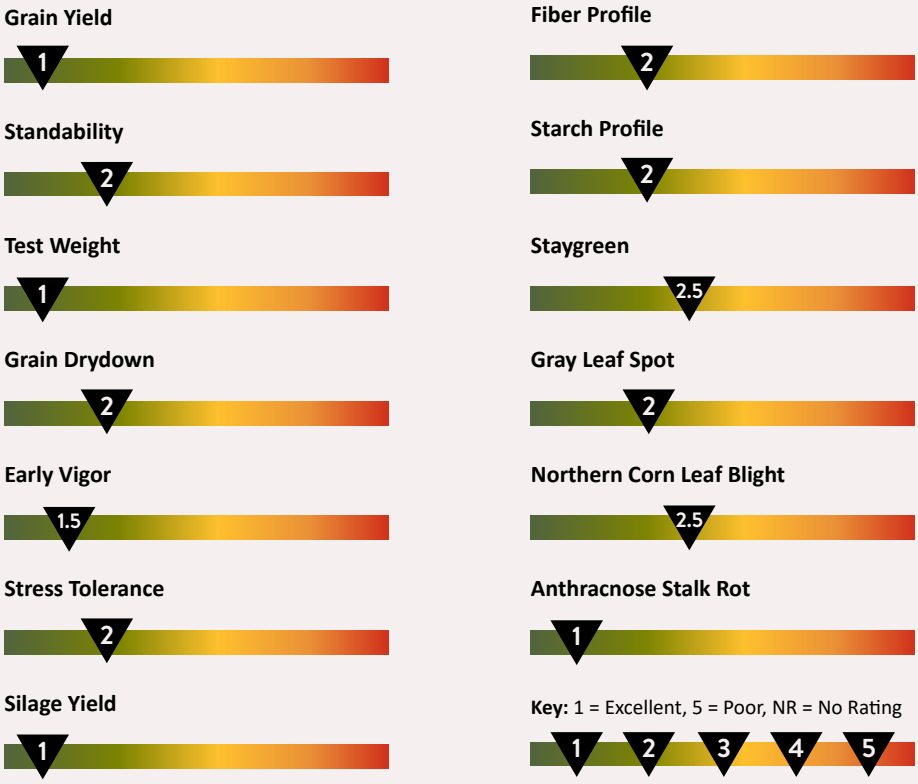
SW 1421VT (RIB)

Relative Maturity: 114 Day

VT Double PRO® RIB COMPLETE®

Plant Height: Tall **Ear Height:** MH **Ear Type:** Semi-Flex **Plant Population:** Medium/MH

A recent introduction that is really coming into its own, especially on the high-yield grain acre. On field after field, this one shells out the maximum bushels possible and does it with style. The longer, slenderer ear with flex dries down quickly to produce high test weight grain at harvest. The tall plant fills silos quickly with a lot of grain-rich silage. Boasts an impressive health package to combat Northern Corn Leaf Blight, Gray Leaf Spot, Anthracnose Stalk Rot, Southern Corn Leaf Blight and even Tar Spot. Only available in a VT Double PRO® RIB Complete® technology trait package so use where Corn Rootworm is not a concern.



Plant Characteristics Key:

MH = Medium High, **M =** Medium, **T** = Tall, **MT** = Medium Tall, **L** = Low, **ML** = Medium Low, **NR = No Rating**.

SW 1579SS (RIB)
SW 1579VT (RIB)

Relative Maturity: 115 Day

Plant Height: Tall **Ear Height:** MH **Ear Type:** Semi-Flex **Plant Population:** Medium/MH

Bin busting yielder of high-quality grain for the crop farmer and bunk topping producer of high-quality forage for the dairy producer all rolled into one. The starch and fiber profiles are some of the best to maximize return per cow per day. The visual package in the field is as good as it gets with a big, robust plant and a large, flex ear plus superior staygreen and intactness right through harvest. Highest recommendation regardless of yield conditions if the maturity fits, including the stress acre. A great overall health package, fighting off Northern Corn Leaf Blight, Gray Leaf Spot, and Anthracnose Stalk Rot to boot. VT Double PRO® RIB Complete® and SmartStax® RIB Complete® trait packages are both available.

Grain Yield 1

Standability 1

Test Weight 1

Grain Drydown 1.5

Early Vigor 1.5

Stress Tolerance 1

Silage Yield 1

Fiber Profile 1

Starch Profile 1

Staygreen 1.5

Gray Leaf Spot 1.5

Northern Corn Leaf Blight 1.5

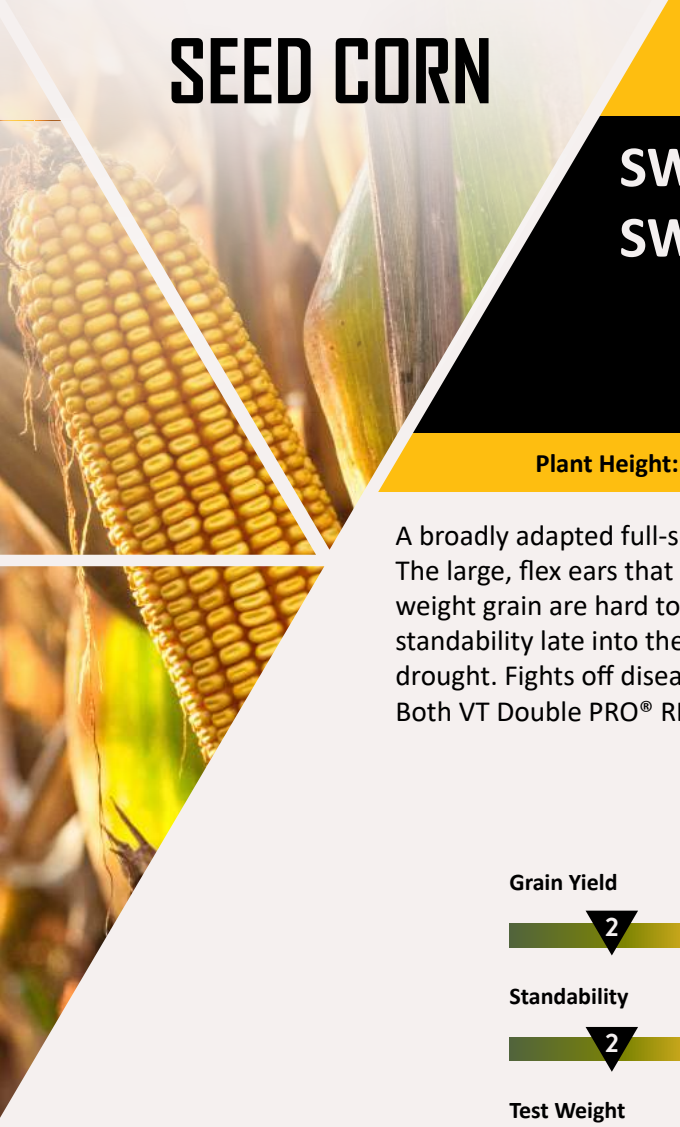
Anthracnose Stalk Rot 1.5

Key: 1 = Excellent, 5 = Poor, NR = No Rating

1 2 3 4 5

Notes

SEED CORN



SW 1600VT (RIB)
SW 1600RR

Relative Maturity: 116 Day

Plant Height: MT **Ear Height:** Medium/ML **Ear Type:** Flex **Plant Population:** Medium

A broadly adapted full-season hybrid for grain that moves south and stands strong in the field. The large, flex ears that grow even bigger at lower populations and fill to the tips with fancy test weight grain are hard to beat. A more compact plant type with a lower ear placement enhances standability late into the fall. Strong out of the ground for early planting and fends off late summer drought. Fights off disease complexes in the South like Southern Rust and Southern Corn Leaf Blight. Both VT Double PRO® RIB Complete® and Roundup Ready® Corn 2 trait packages are available.

Grain Yield 2

Standability 2

Test Weight 1

Grain Drydown 2

Early Vigor 1.5

Stress Tolerance 1.5

Silage Yield 3

Fiber Profile 2

Starch Profile 1.5

Staygreen 2.5

Gray Leaf Spot 2.5

Northern Corn Leaf Blight 2

Anthracnose Stalk Rot 3

Key: 1 = Excellent, 5 = Poor, NR = No Rating

1 2 3 4 5

Plant Characteristics Key:

MH = Medium High, **M =** Medium, **T** = Tall, **MT** = Medium Tall, **L** = Low, **ML** = Medium Low, **NR = No Rating**.

NEW SW 1661SS (RIB)

Relative Maturity: 116 Day

SmartStax® RIB COMPLETE®

Plant Height: Tall **Ear Height:** Medium High **Ear Type:** Semi-Flex **Plant Population:** Medium/MH

This new, long-season release trounced all the competition in the 2022 SEEDWAY Grain Small Plot Trials ranking first in yield out of 50 entries. The longer ear that flexes produces heavy test-weight grain with food-grade potential. A tall, robust plant with good leafiness supports high tonnage silage. Adapted to all yield environments including both dryland and irrigated acres and also moves north of zone. Strong Anthracnose Stalk Rot scores ensure reliable standability and plant intactness making it a good option for corn-on-corn ground. Only available in a SmartStax® RIB Complete® technology trait package.

Grain Yield

Standability

Test Weight

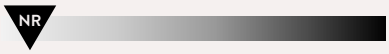
Grain Drydown

Early Vigor

Stress Tolerance

Silage Yield

Fiber Profile



Starch Profile

Staygreen

Gray Leaf Spot

Northern Corn Leaf Blight

Anthracnose Stalk Rot

Key: 1 = Excellent, 5 = Poor, NR = No Rating

Notes

SEED CORN | ADDITIONAL VARIETIES

HYBRID	NEW	RM	GRAIN YIELD	STANDABILITY	TEST WEIGHT	GRAIN DRYDOWN	EARLY VIGOR	STRESS TOL.	SILAGE YIELD
SW 1994GT	-	80	2.5	2	2	2	1.5	2.5	2.5
SW 2190SS (RIB)	-	83	2.5	1	1.5	2	1	2	2.5
SW 2190RR	-	83	2.5	1	1.5	2	1	2	2.5
SW 2360	-	84	2	2	2	2	2	2	2
SW 8555SS (RIB)	NEW	85	1	1.5	1.5	2	1.5	2	1
SW 2840VT2P (RIB)	-	86	1.5	2	1.5	1	1.5	1.5	2
SW 2840RR	-	86	1.5	2	1.5	1	1.5	1.5	2
SW 2840	-	86	1.5	2	1.5	1	1.5	1.5	2
SW 8699D (E-Z)	NEW	86	2	2	2	2	1.5	1.5	2
SW 8775	-	87	2	2	2	1.5	2	2	2
SW 8888VT (RIB)	NEW	88	1	1	1.5	1.5	2	1.5	1.5
SW 9035SS (RIB)	-	90	1	1	1.5	1	1	1	1
SW 9035VT (RIB)	-	90	1	1	1.5	1	1	1	1
SW 3600SS (RIB)	-	91	2	1.5	2	2	1	1	1
SW 9124RR	-	91	1.5	1.5	2	1.5	1.5	1.5	1.5
SW 9124	-	91	1.5	1.5	2	1.5	1.5	1.5	1.5
SW 9141RR	-	91	1.5	1	2	1.5	1	2	1
SW 9141	-	91	1.5	1	2	1.5	1	2	1

Key: 1 = Excellent, 5 = Poor, NR = No Rating, M = Medium, MT = Medium Tall, T = Tall, L = Low, ML = Medium Low, MH = Medium High, H = High

Roundup Ready® Corn 2 = RR • VT Double PRO® RIB Complete® = VT (RIB) or VT2P (RIB) Trecepta® RIB Complete® = TR (RIB) • SmartStax® RIB Complete® = SS (RIB) • Agrisure® GT = GT Viptera® = V (E-Z) • Duracade® = D (E-Z) • DuracadeViptera™ = DC 5222 (E-Z) or DV (E-Z)

FIBER PROFILE	STARCH PROFILE	STAYGREEN	GRAY LEAF SPOT	NORTHERN LEAF BLIGHT	ANTHRACNOSE STALK ROT	PLANT HEIGHT	EAR HEIGHT	EAR TYPE	PLANT POP.
2.5	2.5	2.5	2.5	2	2.5	T	M	SEMI-FLEX	M/MH
2	2	2	2	2	1.5	T	M	SEMI-FIXED	MH
2	2	2	2	2	2.5	T	M	SEMI-FIXED	MH
NR	NR	2.5	3	2.5	2.5	MT/T	M	SEMI-FLEX	M/MH
NR	NR	2	3	2	1.5	T	M/MH	SEMI-FLEX	M/MH
2	1.5	2	3	2	2	T	M	SEMI-FIXED	MH
2	1.5	2	3	2	2	T	M	SEMI-FIXED	MH
2	1.5	2	3	2	2	T	M	SEMI-FIXED	MH
NR	NR	2.5	3	2.5	2.5	MT	M	SEMI-FLEX	M/MH
NR	NR	2.5	3	2.5	2.5	MT	M/MH	SEMI-FLEX	M/MH
2	1	2	3	2	2	T	M	SEMI-FLEX	M/MH
1	1	2	2	3	2	T	M/MH	SEMI-FLEX	M/MH
1	1	2	2	3	2	T	M/MH	SEMI-FLEX	M/MH
1.5	1.5	2	2.5	3	2.5	T	MH	SEMI-FLEX	M/MH
1.5	2	2.5	2.5	2.5	2.5	T	M	SEMI-FLEX	M/MH
1.5	2	2.5	2.5	2.5	2.5	T	M	SEMI-FLEX	M/MH
1	1.5	1.5	2.5	2	1.5	MT/T	M	SEMI-FIXED	MH/H
1	1.5	1.5	2.5	2	1.5	MT/T	M	SEMI-FIXED	MH/H

SEED CORN | ADDITIONAL VARIETIES

HYBRID	NEW	RM	GRAIN YIELD	STANDABILITY	TEST WEIGHT	GRAIN DRYDOWN	EARLY VIGOR	STRESS TOL.	SILAGE YIELD
SW 9199DV (E-Z)	-	91	1.5	2	1.5	2	2	2	2
SW 3750	-	92	2.5	2	2	2	2	2	2
SW 9229VT (RIB)	NEW	92	1	1	2	1.5	1.5	2	1
SW 9231SS (RIB)	-	92	2	2	1.5	1	1.5	1.5	1.5
SW 9231VT2P (RIB)	-	92	2	2	1.5	1	1.5	1.5	1.5
SW 9231RR	-	92	2	2	1.5	1	1.5	1.5	1.5
SW 9333SS (RIB)	-	93	1	1.5	2	1	1	1	1
SW 9333RR	-	93	1	1.5	2	1	1	1	1
SW 9375VT (RIB)	-	93	1	1.5	2	1	1	1	1
SW 3768SS (RIB)	-	94	2	2	2	1	1.5	2	2
SW 9504VT (RIB)	-	95	1	1	2	1	2	1	2
SW 9550SS (RIB)	-	95	2	2.5	2	2	1.5	1.5	2
SW 3914LRR	-	96	NR	NR	NR	NR	2	2	1
SW 9600SS (RIB)	NEW	96	1	1.5	1.5	1.5	1.5	2	1
SW 9696RR	-	96	1.5	1	1	1	1	1	3
SW 9696	-	96	1.5	1	1	1	1	1	3
SW 3770V (E-Z)	-	97	2.5	2	1.5	2.5	1.5	2	2
SW 3770GT	-	97	2.5	2	1.5	2.5	1.5	2	2
SW 9726TR (RIB)	-	97	1	1	3	1	2	1	1

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FIBER PROFILE	STARCH PROFILE	STAYGREEN	GRAY LEAF SPOT	NORTHERN LEAF BLIGHT	ANTHRACNOSE STALK ROT	PLANT HEIGHT	EAR HEIGHT	EAR TYPE	PLANT POP.
2	1	2	2.5	2.5	2	MT	M	SEMI-FLEX	M/MH
NR	NR	2.5	3	2.5	2.5	MT	M/MH	SEMI-FLEX	M/MH
NR	NR	1.5	3	2.5	1	T	M/MH	SEMI-FIXED	MH
2	2	2	2.5	2.5	2.5	T	M	SEMI-FLEX	M/MH
2	2	2	2.5	2.5	2.5	T	M	SEMI-FLEX	M/MH
2	2	2	2.5	2.5	2.5	T	M	SEMI-FLEX	M/MH
1.5	1	1.5	3	2	1.5	T	M/MH	FLEX	M/MH
1.5	1	1.5	3	2	2.5	T	M/MH	FLEX	M/MH
1	1.5	1.5	2.5	2.5	2	T	M/MH	SEMI-FLEX	M/MH
1	1	3	3	3	3	T	M	SEMI-FIXED	M/MH
2.5	1.5	2	2	2	1	T	M/MH	SEMI-FLEX	M/MH
1	1	2.5	3	2.5	3	T	M/MH	SEMI-FIXED	M/MH
1.5	1.5	2.5	2.5	2.5	2.5	T	M/MH	FLEX	L/M
NR	NR	2	3	2	1	T	MH	SEMI-FLEX	M/MH
3	3	2	2	2	1.5	MT/T	M	SEMI-FIXED	MH
3	3	2	2	2	1.5	MT/T	M	SEMI-FIXED	MH
2	2	1.5	2	3	2	MT/T	M	FLEX	M/MH
2	2	1.5	2	3	2	MT/T	M	FLEX	M/MH
1.5	1	3	2	3	1.5	T	M	FLEX	M

SEED CORN | ADDITIONAL VARIETIES

HYBRID	NEW	RM	GRAIN YIELD	STANDABILITY	TEST WEIGHT	GRAIN DRYDOWN	EARLY VIGOR	STRESS TOL.	SILAGE YIELD
SW 9839SS (RIB)	-	98	2	1.5	1.5	1.5	1.5	1.5	2
SW 9839VT (RIB)	-	98	2	1.5	1.5	1.5	1.5	1.5	2
SW 9876SS (RIB)	NEW	98	1	1.5	2	1.5	1.5	2	1.5
SW 4000SS (RIB)	-	99	2	1.5	1	1	1	2	2
SW 4000VT2P (RIB)	-	99	2	1.5	1	1	1	2	2
SW 4010SS (RIB)	-	99	2	2	2	2.5	2	1.5	1.5
SW 0030SS (RIB)	-	100	1	1	2	2	2	1.5	1
SW 0030VT (RIB)	-	100	1	1	2	2	2	1.5	1
SW 0030	-	100	1	1	2	2	2	1.5	1
SW 0321SS (RIB)	-	103	1.5	1.5	2	2	1.5	1.5	1.5
SW 0345DV (E-Z)	-	103	2.5	2	1.5	2	1.5	2	1.5
SW 5440SS (RIB)	-	105	2	2.5	2	1	2	2.5	1
SW 5440VT2P (RIB)	-	105	2	2.5	2	1	2	2.5	1
SW 5440	-	105	2	2.5	2	1	2	2.5	1
SW 0606SS (RIB)	-	106	1.5	2	1.5	1	1.5	2	2
SW 0606	-	106	1.5	2	1.5	1	1.5	2	2
SW 0711SS (RIB)	NEW	107	1	1	1	2	2	2	1.5
SW 0763VT (RIB)	-	107	2	2	1.5	1	1.5	1.5	2

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FIBER PROFILE	STARCH PROFILE	STAYGREEN	GRAY LEAF SPOT	NORTHERN LEAF BLIGHT	ANTHRACNOSE STALK ROT	PLANT HEIGHT	EAR HEIGHT	EAR TYPE	PLANT POP.
1.5	2.5	2	1.5	1.5	1.5	T	M	SEMI-FLEX	M/MH
1.5	2.5	2	1.5	1.5	1.5	T	M	SEMI-FLEX	M/MH
NR	NR	2.5	3	3	1	T	M	SEMI-FLEX	M/MH
1.5	1.5	2.5	2	3	1.5	T	MH	SEMI-FLEX	M/MH
1.5	1.5	2.5	2	3	1.5	T	MH	SEMI-FLEX	M/MH
2	2	2	2	2	2.5	T	MH	SEMI-FLEX	M/MH
1	1	2	2	3	2	T	M/MH	SEMI-FLEX	M/MH
1	1	2	2	3	2	T	M/MH	SEMI-FLEX	M/MH
1	1	2	2	3	2	T	M/MH	SEMI-FLEX	M/MH
2	2	2	3	3	2	MT/T	M/MH	SEMI-FLEX	M/MH
1.5	2.5	3	3.5	2	2.5	T	M	SEMI-FLEX	M/MH
2	2	3	2.5	2.5	2.5	T	M/MH	SEMI-FLEX	M/MH
2	2	3	2.5	2.5	2.5	T	M/MH	SEMI-FLEX	M/MH
2	2	3	2.5	2.5	2.5	T	M/MH	SEMI-FLEX	M/MH
1.5	1.5	2.5	2	2	1.5	MT/T	M	SEMI-FIXED	MH
1.5	1.5	2.5	2	2	1.5	MT/T	M	SEMI-FIXED	MH
NR	NR	2	2.5	2.5	1	T	M	SEMI-FLEX	M/MH
2.5	2.5	2.5	2	2.5	2.5	T	M/MH	SEMI-FLEX	M/MH

SEED CORN | ADDITIONAL VARIETIES

HYBRID	NEW	RM	GRAIN YIELD	STANDABILITY	TEST WEIGHT	GRAIN DRYDOWN	EARLY VIGOR	STRESS TOL.	SILAGE YIELD
SW 0763	-	107	2	2	1.5	1	1.5	1.5	2
SW 0880RR	-	108	1.5	1.5	1	2	1.5	1	2
SW 6540SS (RIB)	-	109	2	1	1	3	1.5	2	2
SW 6540VT2P RIB	-	109	2	1	1	3	1.5	2	2
SW 6614RR	-	109	2	1.5	1.5	1	2	1	2
SW 0987VT (RIB)	NEW	109	1.5	1	1	2	2	2	2
SW 0999SS (RIB)	NEW	109	1	1	1.5	2	2	2	1
SW 1021VT (RIB)	-	110	1	1.5	2.5	1	1.5	1.5	1
SW 1142D (E-Z)	-	111	2.5	2.5	1.5	2	1.5	2	2
SW 1162VT (RIB)	-	111	1.5	2	1	1.5	1	1.5	1.5
SW 1188SS (RIB)	-	111	1	1.5	1.5	1	1.5	2	1
SW 6760SS (RIB)	-	112	2	1.5	2	1	2	1	2
SW 6780VT2P (RIB)	-	112	2.5	2.5	2.5	2	2	1.5	2.5
SW 6790VT2P (RIB)	-	112	2	1.5	2	1	1.5	1.5	2
SW 1345TR (RIB)	-	113	1	1.5	1	1	2	1.5	2
SW 1421VT (RIB)	-	114	1	2	1	2	1.5	2	1
SW 1475VT (RIB)	-	114	2	1	1	2.5	1	1	2
SW 1475RR	-	114	2	1	1	2.5	1	1	2
SW 1579SS (RIB)	-	115	1	1	1	1.5	1.5	1	1

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FIBER PROFILE	STARCH PROFILE	STAYGREEN	GRAY LEAF SPOT	NORTHERN LEAF BLIGHT	ANTHRACNOSE STALK ROT	PLANT HEIGHT	EAR HEIGHT	EAR TYPE	PLANT POP.
2.5	2.5	2.5	2	2.5	2.5	T	M/MH	SEMI-FLEX	M/MH
2	2	1.5	1.5	1.5	2	MT/T	M	SEMI-FIXED	M/MH
1.5	2	1	2	1.5	1.5	MT	M	SEMI-FIXED	MH/H
1.5	2	1	2	1.5	1.5	MT	M	SEMI-FIXED	MH/H
2	2	2	2	2	2.5	T	MH	SEMI-FLEX	M/MH
NR	NR	1.5	1	2	1.5	T	M/MH	SEMI-FLEX	M/MH
NR	NR	2	2	2.5	1.5	T	M	SEMI-FIXED	MH
2	1	1.5	2	1.5	1.5	T	M/MH	SEMI-FLEX	M/MH
NR	NR	3	2	3	2	T	M/ML	SEMI-FLEX	M/MH
1	1	2	2.5	2.5	2	T	M/MH	SEMI-FLEX	M/MH
1.5	1.5	2	2	2	1.5	T	M/MH	SEMI-FLEX	M/MH
1	1	2	2	2	2.5	T	M	SEMI-FIXED	MH
NR	NR	2	2.5	2.5	2.5	T	MH	SEMI-FLEX	M
2	2	3	2.5	2	2.5	T	M/MH	SEMI-FLEX	M/MH
2	1	3	2.5	2	2	MT/T	M/ML	SEMI-FIXED	MH
2	2	2.5	2	2.5	1	T	MH	SEMI-FLEX	M/MH
3	2	2	2	2	1.5	T	M/MH	SEMI-FLEX	M/MH
3	2	2	2	2	1.5	T	M/MH	SEMI-FLEX	M/MH
1	1	1.5	1.5	1.5	1.5	T	MH	SEMI-FLEX	M/MH

SEED CORN | ADDITIONAL VARIETIES

HYBRID	NEW	RM	GRAIN YIELD	STANDABILITY	TEST WEIGHT	GRAIN DRYDOWN	EARLY VIGOR	STRESS TOL.	SILAGE YIELD
SW 1579VT (RIB)	-	115	1	1	1	1.5	1.5	1	1
SW 1600VT (RIB)	-	116	2	2	1	2	1.5	1.5	3
SW 1600RR	-	116	2	2	1	2	1.5	1.5	3
SW 1661SS (RIB)	NEW	116	1	1.5	1	2	1.5	2	1
SW 1781SS (RIB)	-	117	2	1.5	1	2.5	2	2.5	2
SW 1781VT (RIB)	-	117	2	1.5	1	2.5	2	2.5	2
SW 8109V (E-Z)	-	117	2.5	1.5	1.5	3	2	1.5	2.5

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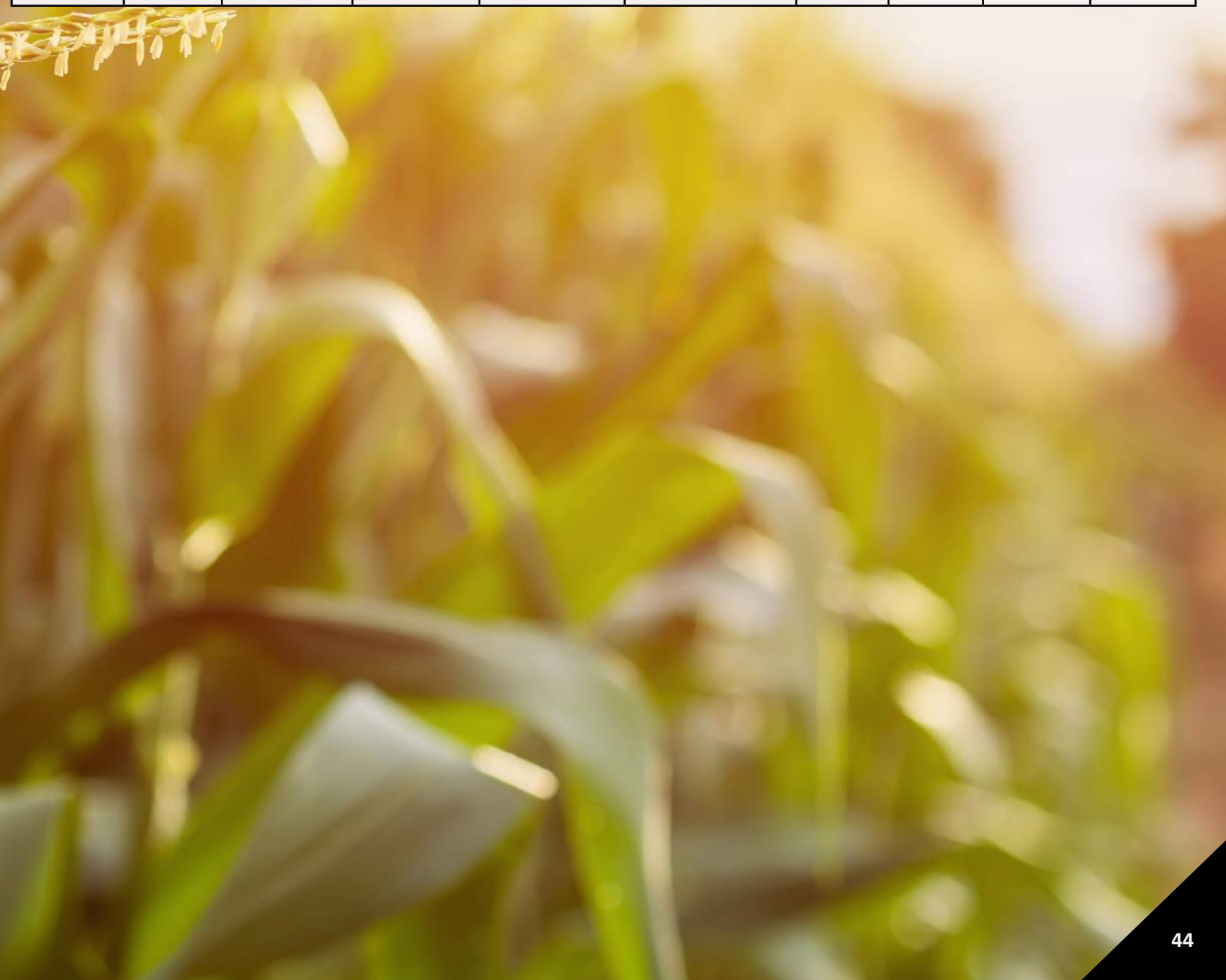
FIBER PROFILE	STARCH PROFILE	STAYGREEN	GRAY LEAF SPOT	NORTHERN LEAF BLIGHT	ANTHRACNOSE STALK ROT	PLANT HEIGHT	EAR HEIGHT	EAR TYPE	PLANT POP.
1	1	1.5	1.5	1.5	1.5	T	MH	SEMI-FLEX	M/MH
2	1.5	2.5	2.5	2	3	MT	M/ML	FLEX	M
2	1.5	2.5	2.5	2	3	MT	M/ML	FLEX	M
NR	NR	3	2.5	2.5	1	T	MH	SEMI-FLEX	M/MH
2	2	2	2.5	2	1.5	T	M/MH	SEMI-FLEX	M/MH
2	2	2	2.5	2	1.5	T	M/MH	SEMI-FLEX	M/MH
2	2.5	1	1.5	1.5	2	T	M/MH	SEMI-FLEX	M/MH



SOYBEANS

Treatment Package

OBTAYN™

OBTAYN™ soybean treatment provides an exclusive combination of fungicide and insecticide protectants for early season stresses.

1 OBTAYN™ STRONGER STANDS!

2 OBTAYN™ HIGHER YIELDS!

3 OBTAYN™ HIGHER PROFITS!

This industry leading treatment includes premium fungicides to protect against:

> Pythium > Phytophthora > Rhizoctonia > Fusarium

This industry leading treatment includes premium insecticide to protect against:

> Soybean Aphids > Seed Corn Maggots > Bean Leaf Beetles

This industry leading inoculant boosts:

> Early Season Growth > Early Nutrient Utilization

> The Use Of Seed Reserves For Quick Establishment

Along with the addition of a cutting-edge biological that helps the crop mitigate stress all season, Obtayn™ is packing a punch to help kickstart your soybean crop.

Soybean Technology

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 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® 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.

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.

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

Corteva Agriscience is a member of Excellence Through Stewardship® (ETS). Corteva Agriscience products are commercialized in accordance with ETS Product Launch Stewardship Guidance and in compliance with the Corteva Agriscience policies regarding stewardship of those products. In line with these guidelines, our product launch process for responsible launches of new products includes a longstanding process to evaluate export market information, value chain consultations, and regulatory functionality. Growers and end users must take all steps within their control to follow appropriate stewardship requirements and confirm their buyer's acceptance of the grain or other material being purchased. For more detailed information on the status of a trait or stack, please visit 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 (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

The transgenic soybean event in Enlist E3® soybeans is jointly developed and owned by Corteva Agriscience and M.S. Technologies, L.L.C. ™® Enlist, Enlist E3, the Enlist E3 logo, and Colex-D are trademarks of Corteva Agriscience and its affiliated companies.

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 Dow AgroSciences technologies can be found at the following webpage:
www.corteva.us/Resources/trait-stewardship.html

NEW SG 1023E3

Maturity Group 1
Early-Group I

HERBICIDE TRAIT: ENLIST E3® SOYBEANS

Great standability and stress tolerance propels this Early-Group I Enlist E3® product above and beyond other early Enlist E3® varieties. With great White Mold and Sudden Death Syndrome protection, this bean can handle any acre with ease.

Plant Height	M
Plant Type	M
Pubescence	G
Hilum Color	IB
Flower Color	P
SCN	R3, MR14
Phytophthora Gene	-

Standability 1.5

Stress Tolerance 1.5

White Mold 2

Iron Deficiency Chlorosis 2

Brown Stem Rot NR

Phytophthora Field Tolerance 1.5

Sudden Death Syndrome 2

Frogeye Leaf Spot NR

NEW SG 1723E3

Maturity Group 1.7
Late-Group I

HERBICIDE TRAIT: ENLIST E3® SOYBEANS

A medium-statured variety with an excellent disease package. This variety excels on the tougher acre and stands late into the season. As a replacement for the SG 1708GTLL, this variety tackles the White Mold pressure just as easily and provides top-end yields.

Plant Height	M
Plant Type	M
Pubescence	G
Hilum Color	IB
Flower Color	P
SCN	R3, MR14
Phytophthora Gene	Rps1k

Standability 1

Stress Tolerance 1.5

White Mold 1.5

Iron Deficiency Chlorosis 1.5

Brown Stem Rot NR

Phytophthora Field Tolerance 1.5

Sudden Death Syndrome 2

Frogeye Leaf Spot NR

SG 1922E3

Maturity Group 1.9
Late-Group I

HERBICIDE TRAIT: ENLIST E3® SOYBEANS

High yielding Late-Group I variety that stands out in all yield environments. Replacement for SG 1943E3. Handles broad acres and stressed environments with ease. Strong White Mold tolerance and resistance to Soybean Cyst Nematode and Phytophthora Root Rot.

Plant Height	MT
Plant Type	M
Pubescence	LT
Hilum Color	BL
Flower Color	P
SCN	R3, MR14
Phytophthora Gene	Rps1k

Standability 1.5

Stress Tolerance 1.5

White Mold 2

Iron Deficiency Chlorosis 2

Brown Stem Rot 3.5

Phytophthora Field Tolerance 2

Sudden Death Syndrome 1.5

Frogeye Leaf Spot NR

NEW SG 2223E3

Maturity Group 2.2
Early-Group II

HERBICIDE TRAIT: ENLIST E3® SOYBEANS

A medium-tall plant that brings standability and stress tolerance to the Early-Group II Enlist E3® platform. This is a key line that checks all the boxes when it comes to disease package and yield. Place on any acre with confidence. Great Phytophthora Root Rot tolerance for those heavy acres and nice yield bump from the SG 2120E3.

Plant Height	MT
Plant Type	M
Pubescence	G
Hilum Color	BU
Flower Color	P
SCN	R3, MR14
Phytophthora Gene	Rps1a+3a

Standability 2

Stress Tolerance 1.5

White Mold 2

Iron Deficiency Chlorosis 2

Brown Stem Rot 1.5

Phytophthora Field Tolerance 1.5

Sudden Death Syndrome 2.5

Frogeye Leaf Spot NR

NEW SG 2423E3

Maturity Group 2.4
Mid-Group II

HERBICIDE TRAIT: ENLIST E3® SOYBEANS

Excels across all types of yield environments and soil types. A medium-tall bushy plant that brings Peking resistance in for Soybean Cyst Nematode resistance. An overall solid agronomic package that can also withstand droughty conditions, this Mid-Group II Enlist E3® bean is one that will have you excited from planting all the way until harvest.

Plant Height	M
Plant Type	B
Pubescence	LT
Hilum Color	BL
Flower Color	P
SCN	R3, R5
SCN Source	Peking
Phytophthora Gene	Rps1k

Standability 2

Stress Tolerance 1.5

White Mold 2.5

Iron Deficiency Chlorosis 2

Brown Stem Rot 1.5

Phytophthora Field Tolerance 2.5

Sudden Death Syndrome 2

Frogeye Leaf Spot 1.5

NEW SG 2723E3

Maturity Group 2.7
Late-Group II

HERBICIDE TRAIT: ENLIST E3® SOYBEANS

A beautiful-looking plant from emergence until harvest, this Late-Group II Enlist E3® bean brings a lot to the table. A nice replacement for SG 2722E3, this brings high yields and a disease package to handle any acre in the East. This bean provides great disease tolerance on the heavy acres.

Plant Height	MT
Plant Type	M
Pubescence	G
Hilum Color	BU
Flower Color	P
SCN	R3, MR14
Phytophthora Gene	Rps1c

Standability 2

Stress Tolerance 1.5

White Mold 2.5

Iron Deficiency Chlorosis 2

Brown Stem Rot 1.5

Phytophthora Field Tolerance 2

Sudden Death Syndrome 2

Frogeye Leaf Spot 2

NEW SG 2923E3

Maturity Group 2.9
Late-Group II

HERBICIDE TRAIT: ENLIST E3® SOYBEANS

A dominating Enlist E3® variety in the Late-Group II. This bean is widely adapted to all environments and much like its predecessor SG 2920E3, it is a top-notch, consistently high-yielding variety. With excellent tolerance and performance on those heavy acres with Sudden Death Syndrome and Phytophthora Root Rot pressure, this bean is ready to tackle any type of acre.

Plant Height	MT
Plant Type	M
Pubescence	G
Hilum Color	IB
Flower Color	P
SCN	R3, MR14
Phytophthora Gene	-

Standability 2

Stress Tolerance 1.5

White Mold 2.5

Iron Deficiency Chlorosis 2.5

Brown Stem Rot NR

Phytophthora Field Tolerance 1

Sudden Death Syndrome 2.5

Frogeye Leaf Spot 2

SG 3122E3

Maturity Group 3.1
Early-Group III

HERBICIDE TRAIT: ENLIST E3® SOYBEANS

Dominant performing variety across all yield environments. Impressive standability and defensive package, making for a strong broad acre bean. Brings tolerance for Phytophthora Root Rot in poorly drained, tough soils of the East.

Plant Height	MT
Plant Type	M
Pubescence	G
Hilum Color	IB
Flower Color	P
SCN	R3, MR14
Phytophthora Gene	Rps1c

Standability 1.5

Stress Tolerance 2

White Mold 2.5

Iron Deficiency Chlorosis 2.5

Brown Stem Rot 3.5

Phytophthora Field Tolerance 1.5

Sudden Death Syndrome 2.5

Frogeye Leaf Spot 2.5

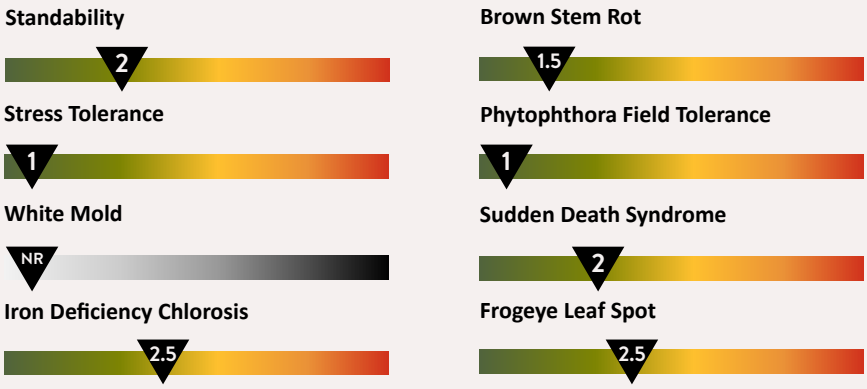
NEW SG 3323E3

Maturity Group 3.3
Mid-Group III

HERBICIDE TRAIT: ENLIST E3® SOYBEANS

Exciting new Early-Group III Enlist® soybean that brings in Peking protection with an excellent, all-encompassing disease package. It shows excellent tolerance to Phytophthora Root Rot, Brown Stem Rot, Soybean Cyst Nematode, and Sudden Death Sydrome, allowing it to handle all types of environments. With its strong defense package, this variety is ready to fill the bin at the end of the season with its top-end yields!

Plant Height	MT
Plant Type	MB
Pubescence	G
Hilum Color	IB
Flower Color	P
SCN	R3, R5
SCN Source	Peking
Phytophthora Gene	-



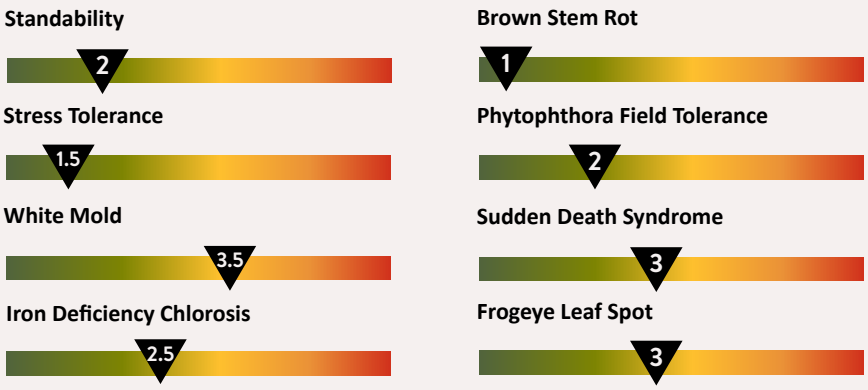
SG 3522E3

Maturity Group 3.5
Mid-Group III

HERBICIDE TRAIT: ENLIST E3® SOYBEANS

A widely adapted plant that tackles tougher soils with ease. Impressive emergence and standability make this product stand out from the beginning of the season through harvest. Strong performance and defensive package make this a standout variety in the lineup.

Plant Height	MT
Plant Type	MB
Pubescence	G
Hilum Color	IB
Flower Color	P
SCN	R3, MR14
Phytophthora Gene	Rps1k



NEW SG 3723E3

Maturity Group 3.7
Late-Group III

HERBICIDE TRAIT: ENLIST E3® SOYBEANS

A tawny plant that can handle tough acres and stressed environments with ease. This variety has a strong disease package to handle Phytophthora Root Rot, Stem Canker, and Sudden Death Syndrome. With yields similar to our SG 3920E3 which has been a staple, this product is a nice addition to the Late-Group III Enlist E3® lineup.

Plant Height	MT
Plant Type	MB
Pubescence	LT
Hilum Color	BR
Flower Color	W
SCN	R3, MR14
Phytophthora Gene	Rps1c

Standability 2.5

Stress Tolerance 1.5

White Mold 2.5

Iron Deficiency Chlorosis 2.5

Brown Stem Rot NR

Phytophthora Field Tolerance 2

Sudden Death Syndrome 2.5

Frogeye Leaf Spot 2

NEW SG 3923E3

Maturity Group 3.9
Late-Group III

HERBICIDE TRAIT: ENLIST E3® SOYBEANS

An extremely versatile bean that can handle any soil and any environment here in the East. This medium-statured bean is quick out of the ground and can adjust for any planting width. Proven to handle drought situations, this STS bean is ready to fill the bin.

Plant Height	M
Plant Type	M
Pubescence	G
Hilum Color	BU
Flower Color	W
SCN	MR3
Phytophthora Gene	Rps1c

Standability 2

Stress Tolerance 1.5

White Mold NR

Iron Deficiency Chlorosis 3

Brown Stem Rot 2.5

Phytophthora Field Tolerance 2

Sudden Death Syndrome 1.5

Frogeye Leaf Spot 1.5

SOYBEANS

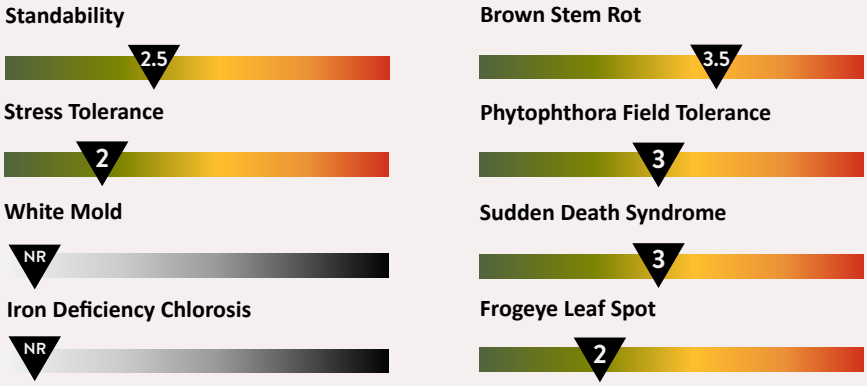
SG 4122E3

Maturity Group 4.1
Early-Group IV

HERBICIDE TRAIT: ENLIST E3® SOYBEANS

Medium-tall plant with resistance to Soybean Cyst Nematode and Stem Canker. The big plant makes it ideal for heavy clay and tough soils. A widely adapted plant that holds its yield across all soil types and environments.

Plant Height	MT
Plant Type	MB
Pubescence	LT
Hilum Color	BR
Flower Color	W
SCN	R3, MR14
Phytophthora Gene	-



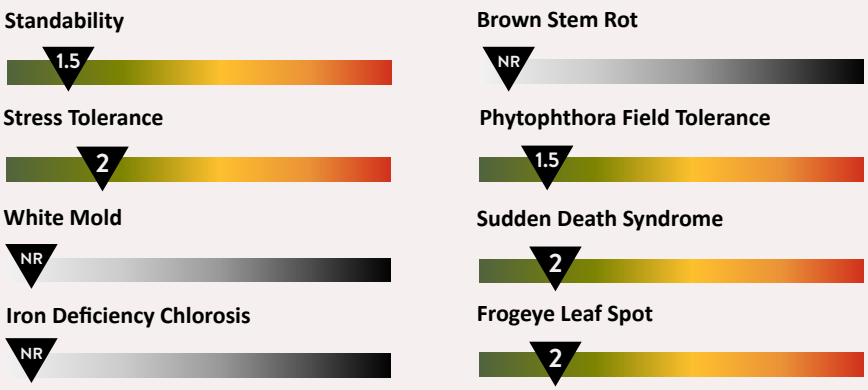
SG 4521E3

Maturity Group 4.5
Mid-Group IV

HERBICIDE TRAIT: ENLIST E3® SOYBEANS

Total package for any acre or yield level. Strong Phytophthora, Stem Canker, Sudden Death Syndrome, and Frogeye Leaf Spot tolerance. Can work for a full season, double-crop, dryland, or irrigated. A beautiful plant that stands until the end coupled with yields the neighbors will ask about.

Plant Height	M
Plant Type	M
Pubescence	G
Hilum Color	IB
Flower Color	P
SCN	R3, MR14
Phytophthora Gene	Rps1a



NEW SG 0643XTF

Maturity Group 0.6
Mid-Group 0

HERBICIDE TRAIT: XTENDFLEX® SOYBEANS

A broad acre, flexible line to fill the shoes of the previous SG 0720XT. Quick out of the ground and quick to cover the rows, this bean is eager to set pods and fill those branches. It is an early bean with great standability that you can count on late into the season. This is an early season line with outstanding yield potential.

Plant Height	M
Plant Type	MB
Pubescence	LT
Hilum Color	G
Flower Color	P
SCN	R3, MR14
Phytophthora Gene	Rps1c

XTENDFLEX SOYBEANS

Standability 2

Stress Tolerance 1.5

White Mold 1.5

Iron Deficiency Chlorosis 2.5

Brown Stem Rot 1.5

Phytophthora Field Tolerance 1

Sudden Death Syndrome NR

Frogeye Leaf Spot 1.5

NEW SG 1143XTF

Maturity Group 1.1
Early-Group I

HERBICIDE TRAIT: XTENDFLEX® SOYBEANS

Breakthrough variety when it comes to White Mold tolerance. Coupled with excellent standability and consistency across acres, this Early-Group I XtendFlex® bean has it all. Place with confidence and watch it fill your bin!

Plant Height	M
Plant Type	M
Pubescence	G
Hilum Color	BU
Flower Color	P
SCN	R3, MR14
Phytophthora Gene	Rps1c

XTENDFLEX SOYBEANS

Standability 1

Stress Tolerance 2

White Mold 1.5

Iron Deficiency Chlorosis 2

Brown Stem Rot 1

Phytophthora Field Tolerance 1.5

Sudden Death Syndrome 1.5

Frogeye Leaf Spot NR

SOYBEANS

SG 1822XTF

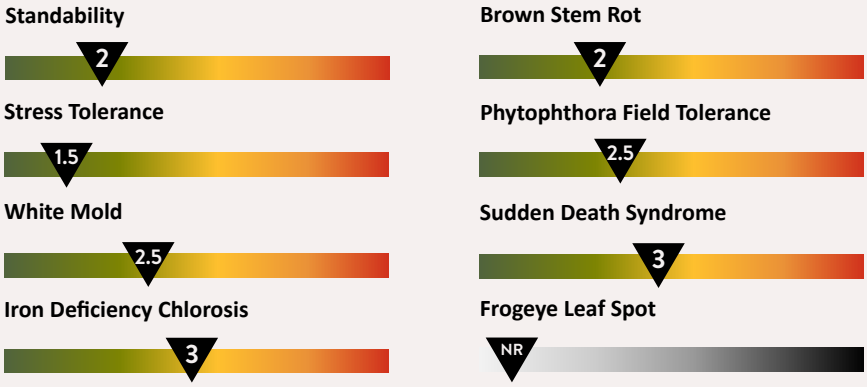
Maturity Group 1.8
Late-Group I

HERBICIDE TRAIT: XTENDFLEX® SOYBEANS

Taller variety with very good standability and solid yield performance. Will adapt to various tillage and row spacing scenarios, outyielding the previous SG 1863XT variety this is an XtendFlex® variety that will fill the bin. Seed treatment should be used where Phytophthora Root Rot pressure is expected.

Plant Height	T
Plant Type	MB
Pubescence	LT
Hilum Color	BL
Flower Color	P
SCN	R3, MR14
Phytophthora Gene	-

XTENDFLEX SOYBEANS



NEW SG 2143XTF

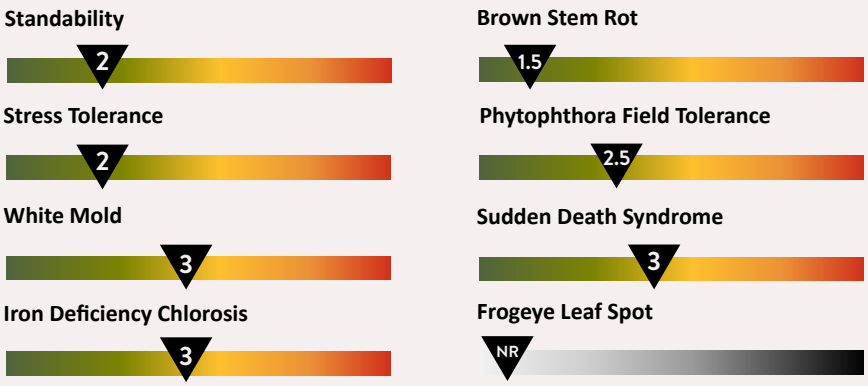
Maturity Group 2.1
Early-Group II

HERBICIDE TRAIT: XTENDFLEX® SOYBEANS

A nice attractive plant that stands late in the season and branches out and fills in the row. An XtendFlex® replacement for our tried-and-true SG 2055XT with outstanding yield potential. Manage in high white mold areas.

Plant Height	M
Plant Type	MB
Pubescence	LT
Hilum Color	BL
Flower Color	P
SCN	R3, MR14
Phytophthora Gene	-

XTENDFLEX SOYBEANS



SG 2852XTF

Maturity Group 2.8
Late-Group II

HERBICIDE TRAIT: XTENDFLEX® SOYBEANS

Tall plant with great standability. This variety excels on the high-yielding acre. The genetic background provides confidence in the field.

Plant Height	MT
Plant Type	M
Pubescence	LT
Hilum Color	BL
Flower Color	P
SCN	R3
Phytophthora Gene	-

XTENDFLEX SOYBEANS

Standability 2.5

Stress Tolerance 1.5

White Mold 3.5

Iron Deficiency Chlorosis 2.5

Brown Stem Rot 2

Phytophthora Field Tolerance 2

Sudden Death Syndrome 2

Frogeye Leaf Spot NR

SG 3142XTF

Maturity Group 3.1
Early-Group III

HERBICIDE TRAIT: XTENDFLEX® SOYBEANS

Great emerging bean with great standability and strong yield performance. Strong disease package against Phytophthora Root Rot, Soybean Cyst Nematode, Brown Stem Rot, and Sudden Death Syndrome. Expect strong yields from this bean on any type of acre.

Plant Height	T
Plant Type	MB
Pubescence	G
Hilum Color	IB
Flower Color	P
SCN	R3
Phytophthora Gene	Rps1c+3a

XTENDFLEX SOYBEANS

Standability 2

Stress Tolerance 1.5

White Mold 3

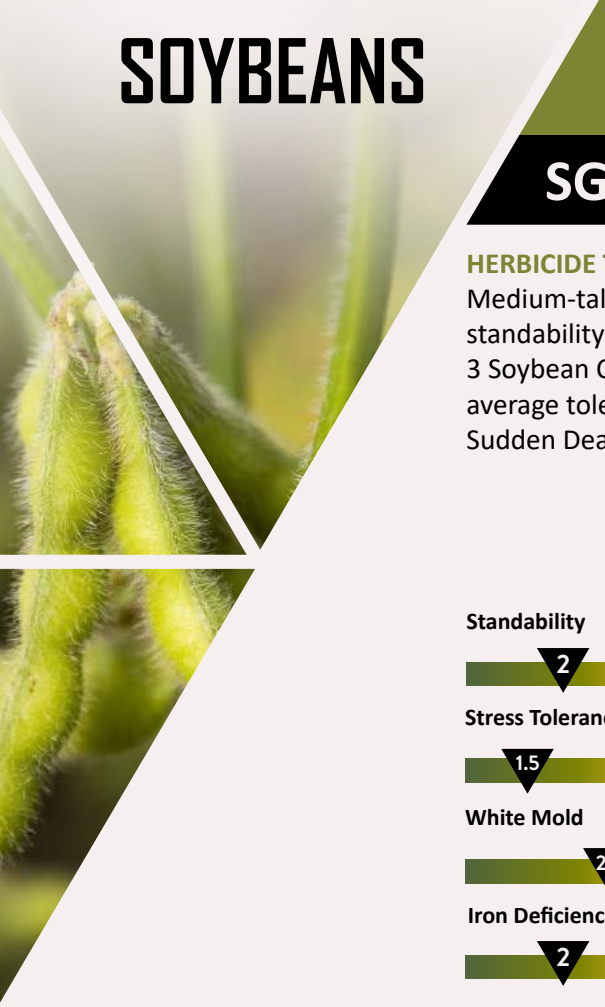
Iron Deficiency Chlorosis 3

Brown Stem Rot 2

Phytophthora Field Tolerance NR

Sudden Death Syndrome 2

Frogeye Leaf Spot NR



SG 3327XTF

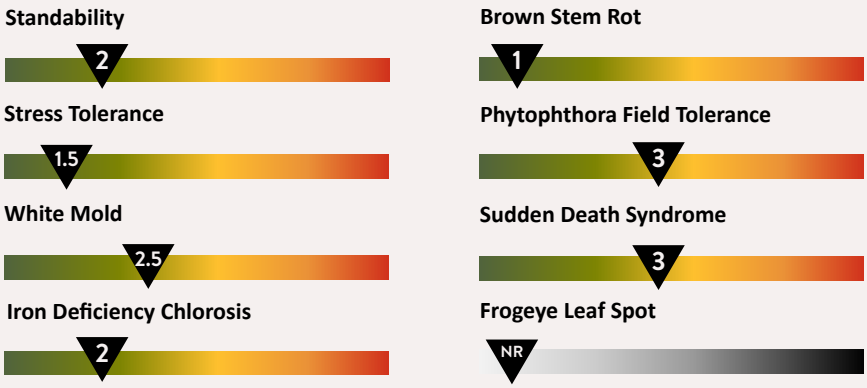
Maturity Group 3.3
Early-Group III

HERBICIDE TRAIT: XTENDFLEX® SOYBEANS

Medium-tall plant with excellent emergence and standability throughout the season. Resistance to Race 3 Soybean Cyst Nematode and Brown Stem Rot. Above average tolerance for Iron Deficiency Chlorosis and Sudden Death Syndrome. Consistent across all acres.

Plant Height	MT
Plant Type	MB
Pubescence	G
Hilum Color	IB
Flower Color	P
SCN	R3
Phytophthora Gene	Rps1c

XTENDFLEX SOYBEANS



SG 3742XTF

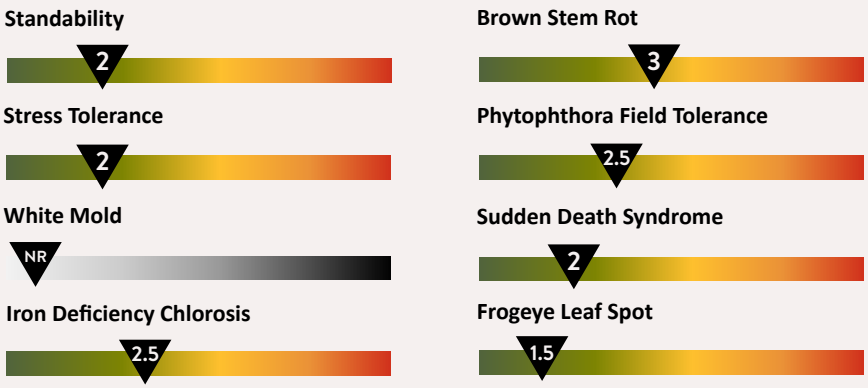
Maturity Group 3.7
Late-Group III

HERBICIDE TRAIT: XTENDFLEX® SOYBEANS

Excellent top-end yield potential in the XtendFlex® trait platform. The defensive package includes Sudden Death Syndrome and Frogeye Leaf Spot tolerance. An attractive light tawny plant that stands late into the harvest season.

Plant Height	MT
Plant Type	M
Pubescence	LT
Hilum Color	BL
Flower Color	P
SCN	MR3
Phytophthora Gene	-

XTENDFLEX SOYBEANS



NEW SG 3943XTF

Maturity Group 3.9
Late-Group III

HERBICIDE TRAIT: XTENDFLEX® SOYBEANS

Tawny plant that covers any acre. You'll see pods up and down the stem of this plant as it packs on yield nearing harvest. It has a great defensive package and stress tolerance to excel in any environment. This is a new XtendFlex® line to watch out for!

Plant Height	MT
Plant Type	M
Pubescence	LT
Hilum Color	BL
Flower Color	P
SCN	R3, MR14
Phytophthora Gene	-

XTENDFLEX SOYBEANS

STS

Standability 2.5

Stress Tolerance 1.5

White Mold NR

Iron Deficiency Chlorosis 2.5

Brown Stem Rot 1.5

Phytophthora Field Tolerance 1.5

Sudden Death Syndrome 2.5

Frogeye Leaf Spot 2

SG 4242XTF

Maturity Group 4.2
Early-Group IV

HERBICIDE TRAIT: XTENDFLEX® SOYBEANS

An attractive light gray, tan plant that performs well across a wide geography. Strong standability late into the season. Holds its yield across various soil types.

Plant Height	M
Plant Type	MB
Pubescence	G
Hilum Color	BU
Flower Color	W
SCN	R3, MR14
Phytophthora Gene	Rps1k

XTENDFLEX SOYBEANS

Standability 1.5

Stress Tolerance 1.5

White Mold NR

Iron Deficiency Chlorosis 2.5

Brown Stem Rot NR

Phytophthora Field Tolerance 1.5

Sudden Death Syndrome 2

Frogeye Leaf Spot 1.5

NEW SG 4943XTF

Maturity Group 4.9
Late-Group IV

HERBICIDE TRAIT: XTENDFLEX® SOYBEANS

Top-tier soybean variety that is ready to show off its yield performance. With STS and a solid agronomic package, this bean is a nice Late-Group IV season addition to the lineup.

Plant Height	MT
Plant Type	MB
Pubescence	G
Hilum Color	BU
Flower Color	W
SCN	R3, MR14
Phytophthora Gene	Rps1k

XTENDFLEX SOYBEANS

STS

Standability
2

Stress Tolerance
2.5

White Mold
NR

Iron Deficiency Chlorosis
2

Brown Stem Rot
NR

Phytophthora Field Tolerance
1.5

Sudden Death Syndrome
2

Frogeye Leaf Spot
1.5

NEW SG 5643XTF

Maturity Group 5.6
Mid-Group V

HERBICIDE TRAIT: XTENDFLEX® SOYBEANS

Tawny line with quick, even emergence to get the variety off to a great start. A consistent variety across various yield environments and soil types, this variety is one to plant with peace of mind. This bean is a chloride excluder and has a strong resistance to Root Knot Nematode, Soybean Cyst Nematode, and Frogeye Leaf Spot.

Plant Height	MT
Plant Type	MB
Pubescence	TW
Hilum Color	BL
Flower Color	W
SCN	R3, MR14
Phytophthora Gene	-

XTENDFLEX SOYBEANS

Standability
2

Stress Tolerance
2

White Mold
NR

Iron Deficiency Chlorosis
NR

Brown Stem Rot
NR

Phytophthora Field Tolerance
3

Sudden Death Syndrome
NR

Frogeye Leaf Spot
2

NEW SG 6243XTF

Maturity Group 6.2
Early-Group VI

HERBICIDE TRAIT: XTENDFLEX® SOYBEANS

A tawny, medium-statured bean with great standability and agronomic package. This line is resistant to Soybean Cyst Nematode, Root Knot Nematode, and Stem Canker giving it a nice shield throughout the season to pack on the pods and produce top-notch yields.

Plant Height	M
Plant Type	MB
Pubescence	TW
Hilum Color	BL
Flower Color	W
SCN	R1, R3, MR14
Phytophthora Gene	-

Standability
1.5

Brown Stem Rot
NR

Stress Tolerance
2

Phytophthora Field Tolerance
3

White Mold
NR

Sudden Death Syndrome
NR

Iron Deficiency Chlorosis
NR

Frogeye Leaf Spot
NR

Characteristics Key

Ratings
1 = Best

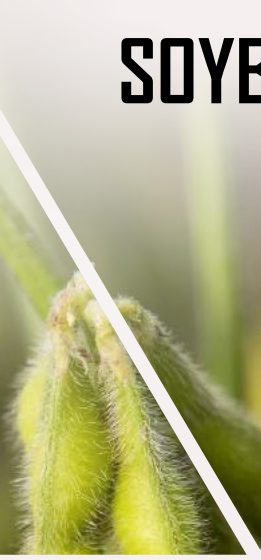
Plant Height
T = Tall
MT = Medium – Tall
M = Medium

Plant Type
M = Medium
MB = Medium – Bushy
B = Bushy

Pubescence
TW = Tawny
LT = Light Tawny
G = Gray

Flower Color
W = White
P = Purple

Hilum Color
Y = Yellow
BL = Black
IB = Imperfect Black
BU = Buff
BR = Brown



NEW SG 123OR

Maturity Group 1.2
Early-Group I

A yield-dominating variety, proven year after year. Highly productive lateral branches help this variety pack on yield across various soil types. This variety displays a great disease package to help withstand those tougher acres.

Plant Height	M
Plant Type	MB
Pubescence	LT
Hilum Color	BL
Flower Color	P
SCN	R3, MR14
Phytophthora Gene	-

Standability
2

Stress Tolerance
2

White Mold
2.5

Iron Deficiency Chlorosis
2

Brown Stem Rot
NR

Phytophthora Field Tolerance
2

Sudden Death Syndrome
2

Frogeye Leaf Spot
NR

SG 202C/202OR

Maturity Group 2.0
Early-Group II

Trusted genetics deliver excellent yield. Highly productive lateral branches add to the appeal and top performance. Strong tolerance to White Mold.

Plant Height	MT
Plant Type	MB
Pubescence	LT
Hilum Color	BL
Flower Color	P
SCN	R3, MR14
Phytophthora Gene	Rps1k

Standability
2

Stress Tolerance
2

White Mold
2.5

Iron Deficiency Chlorosis
2

Brown Stem Rot
NR

Phytophthora Field Tolerance
2

Sudden Death Syndrome
2

Frogeye Leaf Spot
NR

NEW SG 223OR

Maturity Group 2.2
Early-Group II

A nice organic bean with excellent stress tolerance coupled with nice standability. This product is a Peking line for Soybean Cyst Nematode tolerance. A rugged plant that can handle the low-yielding acre with ease, as well as those top-end acres.

Plant Height	MT
Plant Type	M
Pubescence	G
Hilum Color	BU
Flower Color	P
SCN	R3, R5
SCN Source	Peking
Phytophthora Gene	Rps1k

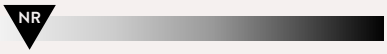
Standability

Stress Tolerance

White Mold

Iron Deficiency Chlorosis

Brown Stem Rot



Phytophthora Field Tolerance

Sudden Death Syndrome

Frogeye Leaf Spot

NEW SG 1499H (High Oleic)

Maturity Group 1.4
Mid-Group I

Jump on the high oleic train with this exciting variety! A Mid-Group I conventional bean brings in high oleic oil content, for those looking to feed or extract the oil. This variety also brings in great standability and disease tolerance that makes it a standout bean.

Plant Height	MT
Plant Type	MB
Pubescence	TW
Hilum Color	B
Flower Color	P
SCN	R3, MR14
Phytophthora Gene	-

Standability
1.5

Stress Tolerance
2

White Mold
2.5

IDC
2

Brown Stem Rot
2.5

Phytophthora Field Tolerance
2.5

Sudden Death Syndrome
NR

Frogeye Leaf Spot
NR

NEW SG 1899H (High Oleic)

Maturity Group 1.8
Late-Group I

A new high oleic oil bean that brings yield, disease tolerance, standability, and high oleic oil content! It really is the full package. Place this variety on a range of soils and watch it handle them with ease.

Plant Height	MT
Plant Type	MB
Pubescence	G
Hilum Color	IB
Flower Color	P
SCN	R3, MR14
Phytophthora Gene	-

Standability
1

Stress Tolerance
2

White Mold
2.5

IDC
2

Brown Stem Rot
2

Phytophthora Field Tolerance
2.5

Sudden Death Syndrome
NR

Frogeye Leaf Spot
NR

SOYBEANS

Additional Varieties

PRODUCT	HERBICIDE TRAIT	MATURITY GROUP	PLANT HEIGHT	PLANT TYPE	PUBESCENCE	HILUM COLOR	FLOWER COLOR	PHYTOPHORA GENE	SOYBEAN CYST NEMATODE	STANDABILITY	STRESS TOLERANCE	PHYTO FIELD TOLERANCE	WHITE MOLD	BROWN STEM ROT	FROGEYE LEAF SPOT	SUDDEN DEATH SYNDROM	IRON DEFICIENCY CHLORSIS
SG 1320E3	Enlist E3	1.3	MT	M	G	IB	P	Rps1k	R3, MR14	1.5	2	1.5	2	1	NR	3	4
SG 2120E3	Enlist E3	2.1	MT	M	G	IB	P	Rps1k	R3, MR14	2	1	2	2	1.5	NR	2.5	2.5
SG 2920E3	Enlist E3	2.9	MT	MB	G	IB	P	Rps1K	R3, MR14	2.5	2	2	NR	3	NR	3	2.5
SG 3393E3	Enlist E3	3.3	M	B	LT	BR	P	-	R3, MR14	2.5	1	2.5	2	2.5	3	NR	2
SG 3920E3	Enlist E3	3.9	M	M	LT	BR	W	Rps1k	R3, MR14	2	2	2	NR	3	3	3	2
SG 4621E3	Enlist E3 STS	4.6	T	M	G	IB	P	-	R3, MR14	2.5	1	NR	NR	NR	3	NR	NR
SG 1432XTF	XTENDFLEX	1.4	MT	M	LT	BR	P	Rps3a	R3, MR14	2.5	2	1.5	2.5	NR	NR	3	3
SG 4666XTF	XTENDFLEX STS	4.6	T	MB	LT	BL	P	Rps1c	R3, MR14	2.5	1	3	NR	NR	NR	2.5	NR
SG 6932XTF	XTENDFLEX	6.9	M	B	TW	BL	P	Rps1c	None	2	1.5	3	NR	NR	3	NR	NR
SG 155C/ OR		1.5	M	MB	LT	BR	P	Rps1k	R3, MR14	1	1.5	2	2.5	1.5	NR	NR	1.5
SG 285C	STS	2.8	M	MB	LT	BL	P	-	R3, MR14	1.5	1.5	2	NR	2	NR	2	2
SG 351C	STS	3.5	MT	MB	LT	BL	P	-	R3, MR14	1.5	1.5	2	NR	3.5	2	2	2

WHEAT

Treatment Package

SEEDWAY
EST 1963

OBTAYN™
WHEAT

SEED TREATMENT

Introducing the newest, most inclusive seed treatment on the market. Obtayn™ Wheat Treatment from SEEDWAY, LLC is a cutting-edge product containing multiple fungicides to protect against yield-threatening diseases.

Early season disease pressures are a huge threat to yields and stand densities. This treatment provides industry-leading protection against seed and soil-borne wheat diseases. Obtayn™ provides protection against pythium, smuts, seedling, and root rots, as well as Rhizotonia. This broad-spectrum seed treatment protects the seed from the moment you place it in the ground and immediately starts to boost emergence and vigor for better stands.

Obtayn™ Wheat treatment gives you the peace of mind that your wheat will be able to ward off early-season disease pressures and establish healthier stands for higher yield potential. Be sure to ask for it by name when ordering your SEEDWAY wheat this year!

OBTAYN™ WHEAT

1 OBTAYN™ STRONGER STANDS!

2 OBTAYN™ HIGHER YIELDS!

3 OBTAYN™ HIGHER PROFITS!

OBTAYN™ wheat seed treatment provides an exclusive combination of fungicide protectants for early season soilborne and seedborne diseases such as:

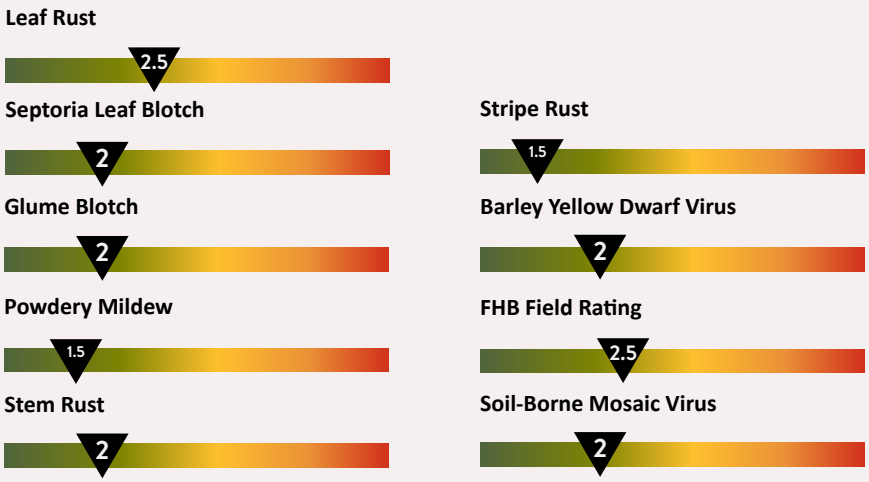
> Pythium > Fusarium > Seed Rots > And More!

SW 44SR

Soft Red Winter Wheat

Maturity	Medium-Early	Standability	1.5	Winter Hardiness	1.5
Plant Height	Medium	Test Weight	1.5	FHB1 Marker	Yes
Head Type	Awned	Straw Strength	1	Hessian Fly	Res-B, L, Seg O

A broadly adapted variety that can range from Pennsylvania to North Carolina. Complete package of yield, standability, test weight, and disease tolerance. Medium-early maturity and fully awned head type.

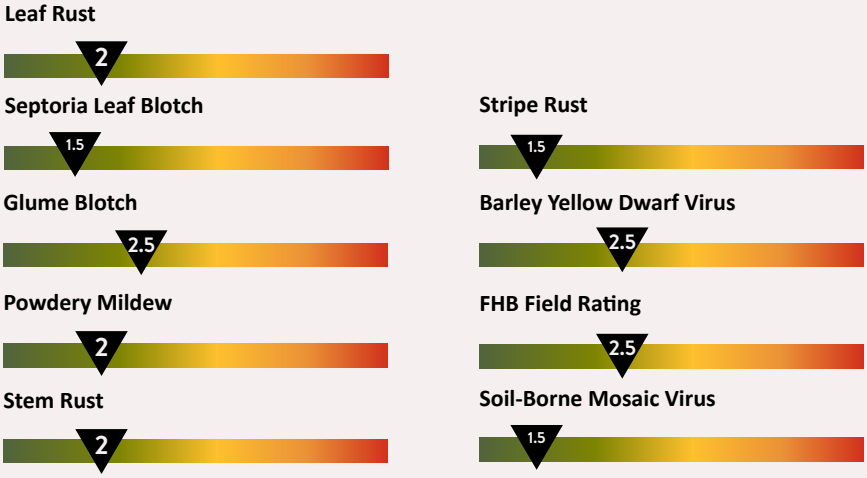


SW 64SR

Soft Red Winter Wheat

Maturity	Medium-Early	Standability	2	Winter Hardiness	1.5
Plant Height	Medium	Test Weight	2	FHB1 Marker	Yes
Head Type	Awned	Straw Strength	1	Hessian Fly	Susc

Covers any acre and soil type in the East. Awned head type with medium-early maturity. Medium plant height with excellent standability and winter hardiness. Good test weight with scab resistance gene for Fusarium Head Blight tolerance.

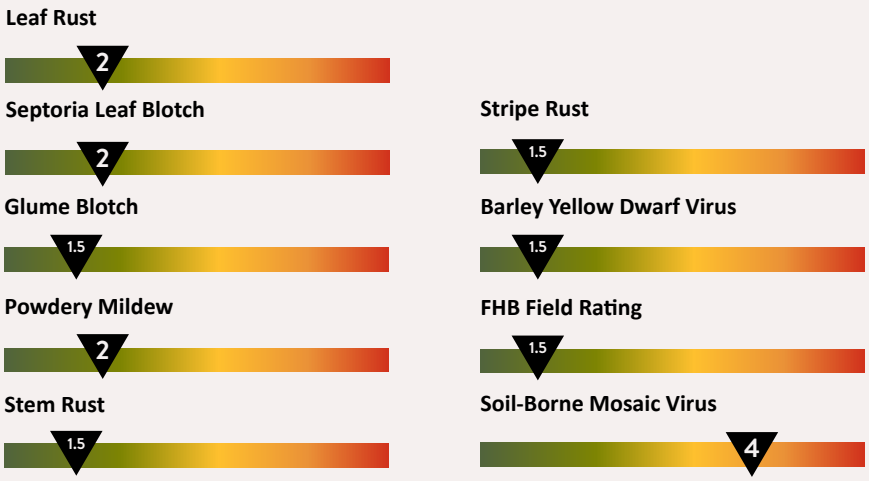


SW 51SR

Soft Red Winter Wheat

Maturity	Medium-Early	Standability	3	Winter Hardiness	1.5
Plant Height	Medium-Tall	Test Weight	1.5	FHB1 Marker	Yes
Head Type	Smooth	Straw Strength	2	Hessian Fly	Res-C

Large smooth head type with exceptional tillering. Heavy straw yields and solid tolerance to Fusarium Head Blight. Consider a plant growth regulator to manage plant height and standability when managing for high yields.

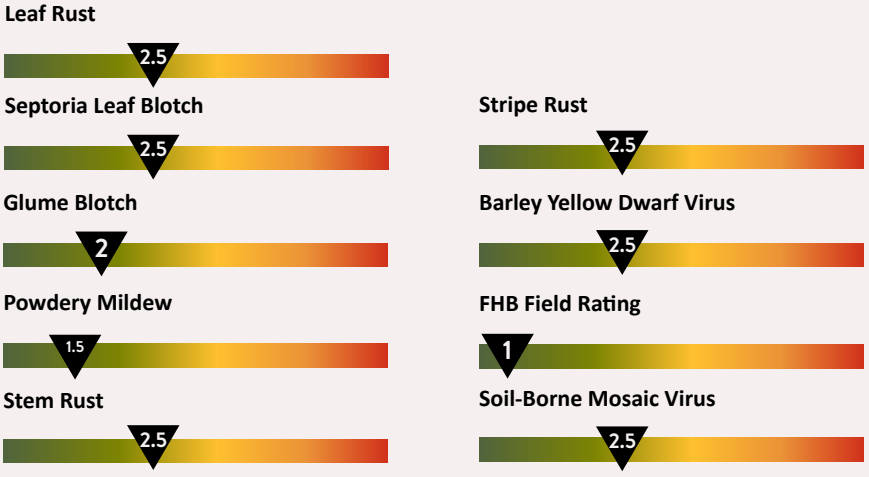


SW 52SR

Soft Red Winter Wheat

Maturity	Medium	Standability	2.5	Winter Hardiness	1.5
Plant Height	Medium	Test Weight	2	FHB1 Marker	Yes
Head Type	Smooth	Straw Strength	2	Hessian Fly	Susc - B, L, O

Broadly adapted variety from Virginia to New York. Has been shown to outperform SW 70SR and SW 51SR with good standability with a smooth head type.



Wheat

SW 65SR

Soft Red Winter Wheat

Maturity	Medium	Standability	1.5	Winter Hardiness	1.5
Plant Height	Medium	Test Weight	2	FHB1 Marker	Yes
Head Type	Awned	Straw Strength	1	Hessian Fly	Seg - L

For any wheat acre in the East. Broadly adapted with medium maturity and awned head type. FHB1 gene for combating Fusarium Head Blight. Medium height with excellent standability.

Leaf Rust

Septoria Leaf Blotch

Glume Blotch

Powdery Mildew

Stem Rust

Stripe Rust

Barley Yellow Dwarf Virus

FHB Field Rating

Soil-Borne Mosaic Virus

NEW SW 535

Soft Red Winter Wheat

Maturity	Medium	Standability	1.5	Winter Hardiness	1.5
Plant Height	Medium	Test Weight	1.5	FHB1 Marker	-
Head Type	Smooth	Straw Strength	1.5	Hessian Fly	Res - B, O, L

Smooth head with the complete package when it comes to disease tolerance. Widely adapted variety with great standability and overall performance.

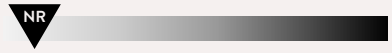
Leaf Rust

Septoria Leaf Blotch

Glume Blotch

Powdery Mildew

Stem Rust



Stripe Rust

Barley Yellow Dwarf Virus

FHB Field Rating

Soil-Borne Mosaic Virus

SW 55SR

Soft Red Winter Wheat

Maturity	Medium	Standability	3	Winter Hardiness	2
Plant Height	Medium	Test Weight	3	FHB1 Marker	Yes
Head Type	Awned	Straw Strength	-	Hessian Fly	-

Awned head with medium maturity. Excels in all soil types. Good standability, with medium height.

Leaf Rust

Septoria Leaf Blotch

Glume Blotch

Powdery Mildew

Stem Rust

Stripe Rust

Barley Yellow Dwarf Virus

FHB Field Rating

Soil-Borne Mosaic Virus

SW 36

Soft Red Winter Wheat

Maturity	Early	Standability	3	Winter Hardiness	2
Plant Height	Medium	Test Weight	2	FHB1 Marker	-
Head Type	Awned	Straw Strength	-	Hessian Fly	-

Awned head with early maturity. Good standability, test weight, and overall disease resistance.

Leaf Rust

Septoria Leaf Blotch

Glume Blotch

Powdery Mildew

Stem Rust

Stripe Rust

Barley Yellow Dwarf Virus

FHB Field Rating

Soil-Borne Mosaic Virus

SMALL GRAINS

Winter Barley

VIOLETTA — Winter Malting Barley

Two-row winter barley. Early maturing, short stature plant height. Selected for its malting quality, earliness, winterhardiness, and resistance to Barley Yellow Mosaic Virus. Shows excellent tolerance to Leaf Rust, Powdery Mildew, and Net Blotch. Plant on time on well-drained soils. * Meets the needs of growers, maltsters, and brewers.

NEW AVALON — Winter Malting Barley

Two-row malt barley, Avalon has an excellent malt score and flavor profile. It is a constant yielding variety, especially under continental climate conditions. Avalon has very good grading and straw stiffness. This variety has good resistance against major leaf diseases, especially against Brown Rust.

NEW FLAVIA — Winter Malting Barley

Two-row malt barley, the plant growth habit is intermediate to semi-prostate and the kernel color of aleurone layer is weakly colored. Ear emergence is early to medium. Ears are medium and horizontal in altitude. Plant height is short. Long awns Flavia is suited to eastern Maryland and Delaware climates.

SBS 151 — Winter Feed Barley

Early maturity, tall height with excellent standability, excellent winterhardiness, and disease resistance.

ORWELLE

Spring Feed Barley

6-row spring feed barley. Excellent standability and good overall disease resistance. Testing has confirmed a 4-6 Bu/ac advantage over Cyane.

DANKO

Winter Rye

Danko is a winter rye cultivar with a higher yield, better lodging resistance, better winter survival, with plump kernels, and high test weight. Good winterhardiness. Medium-long awns. Suitable for feed, baking, distilling, and cover crop.

Don't See It Here?

SEEDWAY, LLC is also a proud supplier of Vegetable, Turf, and Wildlife Seed Products.

To learn more visit our website at www.seedway.com

To request a Vegetable, Turf, or Wildlife product catalog scan the QR code below.

SCAN ME

IN THE FOLLOWING STATES, PURCHASE AND USE OF HARVXTRA® ALFALFA WITH ROUNDUP READY® TECHNOLOGY IS SUBJECT TO A SEED AND FEED USE AGREEMENT, REQUIRING THAT PRODUCTS OF THIS TECHNOLOGY CAN ONLY BE USED ON FARM OR OTHERWISE BE USED IN THE UNITED STATES: ARIZONA, CALIFORNIA, COLORADO, IDAHO, MONTANA, NEVADA, NEW MEXICO, OREGON, UTAH, WASHINGTON AND WYOMING (THE "WESTERN STATES"). IN ADDITION, DUE TO THE UNIQUE CROPPING PRACTICES DO NOT PLANT HARVXTRA® ALFALFA WITH ROUNDUP READY® TECHNOLOGY IN IMPERIAL COUNTY, CALIFORNIA, PENDING IMPORT APPROVALS AND UNTIL FORAGE GENETICS INTERNATIONAL, LLC (FGI) GRANTS EXPRESS PERMISSION FOR SUCH PLANTING.

Forage Genetics International, LLC ("FGI") is a member of Excellence Through Stewardship® (ETS). FGI products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with FGI's Policy for Commercialization of Biotechnology-Derived Plant Products in Commodity Crops. HarvXtra® Alfalfa with Roundup Ready® Technology has pending import approvals. GROWERS IN THE WESTERN STATES MUST DIRECT ANY PRODUCT PRODUCED FROM HARVXTRA® ALFALFA WITH ROUNDUP READY® TECHNOLOGY SEED OR CROPS (INCLUDING HAY AND HAY PRODUCTS) ONLY TO UNITED STATES DOMESTIC USE.

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. Growers should refer to http://www.biotradestatus.com/ for any updated information on import country approvals. Excellence Through Stewardship® is a registered trademark of Excellence Through Stewardship.

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. Roundup Ready® crops contain genes that confertolerance to glyphosate. Glyphosate herbicides will kill crops that are not tolerant to glyphosate. Roundup Ready® is registered trademarks of Bayer Group, used under license by Forage Genetics International, LLC. HarvXtra® is a registered trademark of Forage Genetics International, LLC. HarvXtra® Alfalfa with Roundup Ready® Technology is enabled with Technology from The Samuel Roberts Noble Foundation, Inc.

Disease Ratings Key: HR = High Resistant, **R** = Resistant, S = Susceptible, **N/R** = No Rating

SW ALFAMAX HD™ 2 PLUS BRAND

Winter Hardiness 1.4 | Fall Dormancy 4

ALFAMAX HD® 2 PLUS is a highly digestible alfalfa with excellent forage quality, high yields, and Branch Root which makes AlfaMax HD® 2 Plus an excellent choice for any situation. AlfaMax HD® 2 Plus has a superior disease and pest resistance package. Seed at 18-20 lbs. alone, 8-12 lbs. in mixes.

HD® Is a registered trademark of Legacy Seeds, Inc.

Bacterial Wilt

Verticillium Wilt

Fusarium Wilt

Anthracnose

PLH

Aphanomyces Race 1

Aphanomyces Race 2

Multi Race Aphanomyces

Phytophthora Root Rot

SHOCKWAVE BR (Branch Rooted Alfalfa)

Winter Hardiness 1.4 | Fall Dormancy 4

Shockwave BR combines a branch-rooted trait with excellent disease resistance to deliver outstanding performance. Performs better in higher water tables. High forage yield makes it a productive variety in both normal and wetter conditions. 3-4 cut management. Seed at 18-20 lbs. alone, 8-12 lbs. in mixes.

Bacterial Wilt

Verticillium Wilt

Fusarium Wilt

Anthracnose

Aphanomyces Race 1

Aphanomyces Race 2

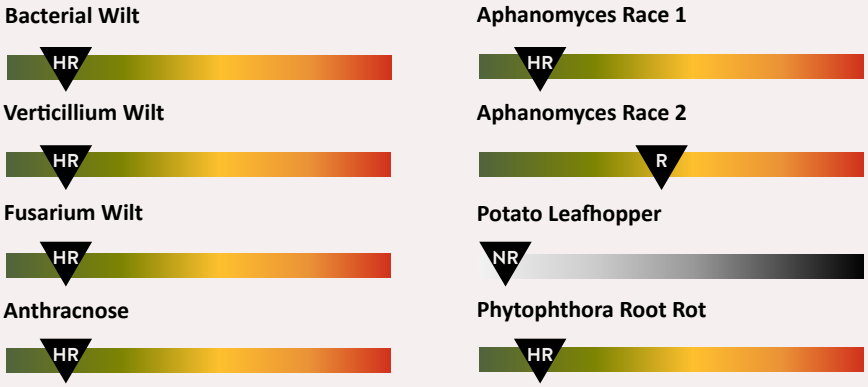
Potato Leafhopper

Phytophthora Root Rot

DYNAMO

Winter Hardiness 1.9 | Fall Dormancy 4

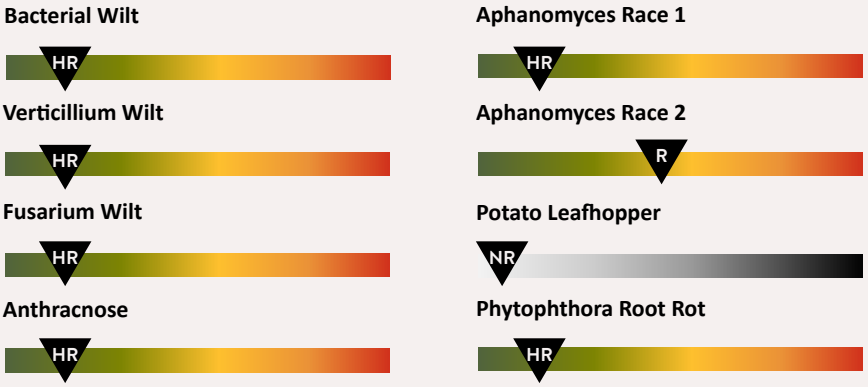
Dynamo combines explosive forage yield with superior forage quality. High multifoliate leaf expression and rapid regrowth with a dense canopy and dark green foliage. Shows improved crude protein content, exceptional feed value, and higher milk production. Seed at 18-20 lbs. alone, 8-12 lbs. in mixes.



FSG 415BR (Branch Rooted Alfalfa)

Winter Hardiness 1.5 | Fall Dormancy 4

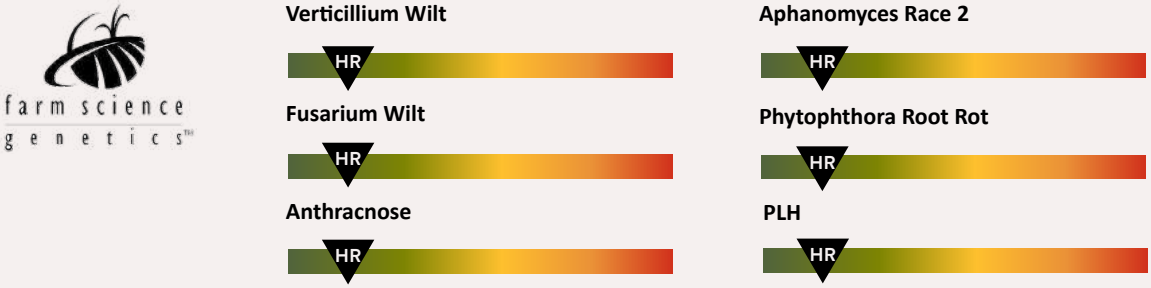
Farm Science Genetics®. Branch root variety with an excellent disease package. High yield and quality potential on both wet and well-drained soils. Offers flexibility on less-than-ideal soil conditions. Seed at 18-20 lbs. alone, 8-12 lbs. in mixes.



FSG 421LH (Leafhopper Resistant Alfalfa)

Winter Hardiness 2.0 | Fall Dormancy 4

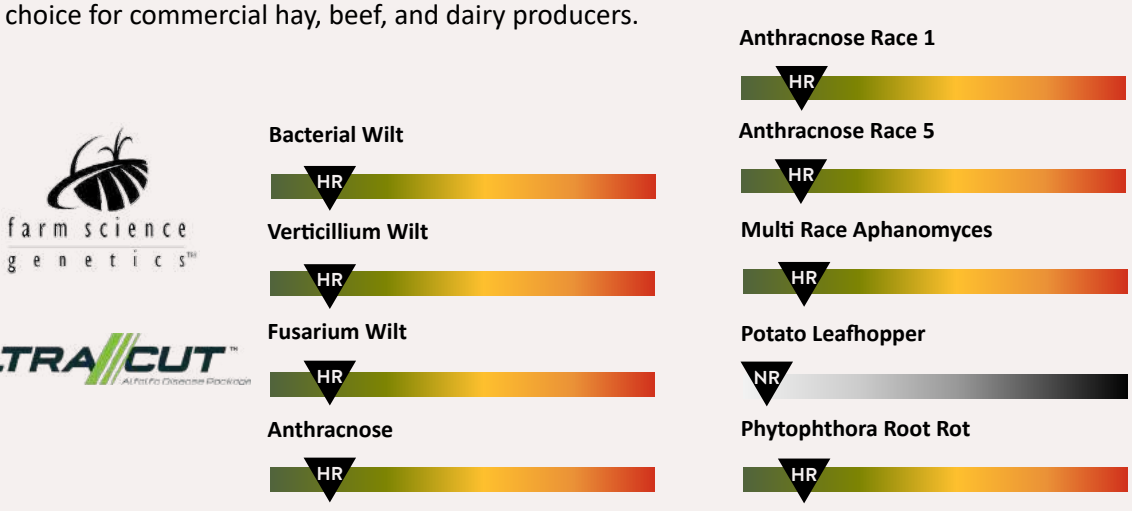
Farm Science Genetics®. FSG 421LH provides an added layer of protection for growers looking to mitigate POTATO LEAFHOPPER pressure in their alfalfa stands. Highly resistant to all major alfalfa diseases. Excellent yield potential and forage quality. Excellent winterhardiness. 3-4 cut management. Seed at 18-20 lbs. alone, 8-12 lbs. in mixes.



FSG 450

Winter Hardiness 1.8 | Fall Dormancy 4

Farm Science Genetics®. Exceptional yield and superior forage quality. Excellent disease package that features high resistance to Multi-race Aphanomyces. Outstanding winterhardiness. Seed at 18-20 lbs. alone, 8-12 lbs. in mixes. FSG 450 alfalfa is the leader in alfalfa performance with an outstanding trait package that raises the agronomic achievement bar to the next level. FSG 450 performs well over a wide range of environmental conditions and is adapted to all areas where 3 and 4 fall dormancy varieties are planted. FSG 450 features the UltraCut™ alfalfa disease package which helps you grow a healthy alfalfa crop in field conditions susceptible to evolving Aphanomyces and Anthracnose disease strains. Its protection can help deliver an advantage through improved agronomic performance and yield potential. Whether it's for exceptional forage yields, superior forage quality, or very fast recovery after cutting, FSG 450 is the first choice for commercial hay, beef, and dairy producers.



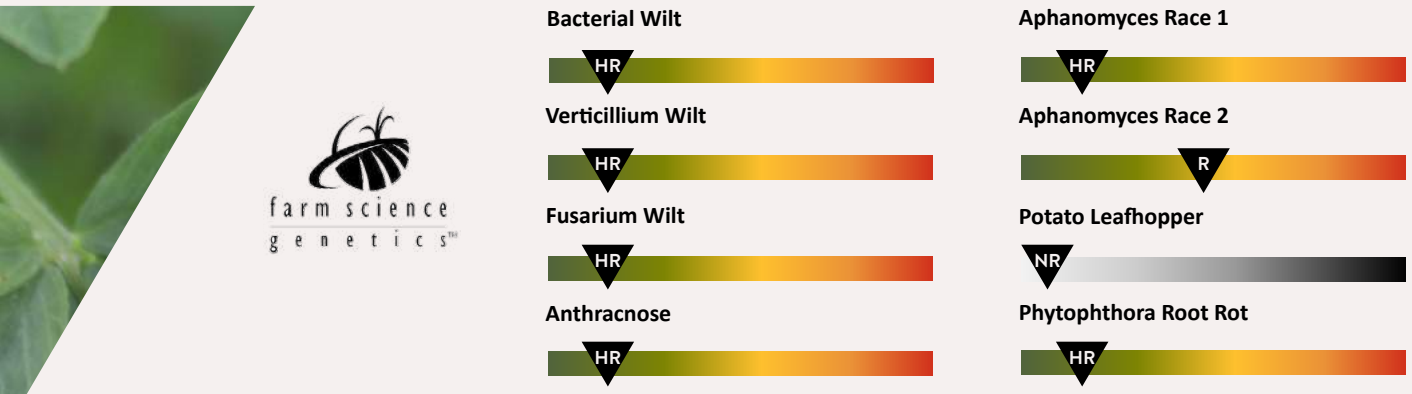
FORAGES

Alfalfa

FSG 527

Winter Hardiness 2.0 | Fall Dormancy 5

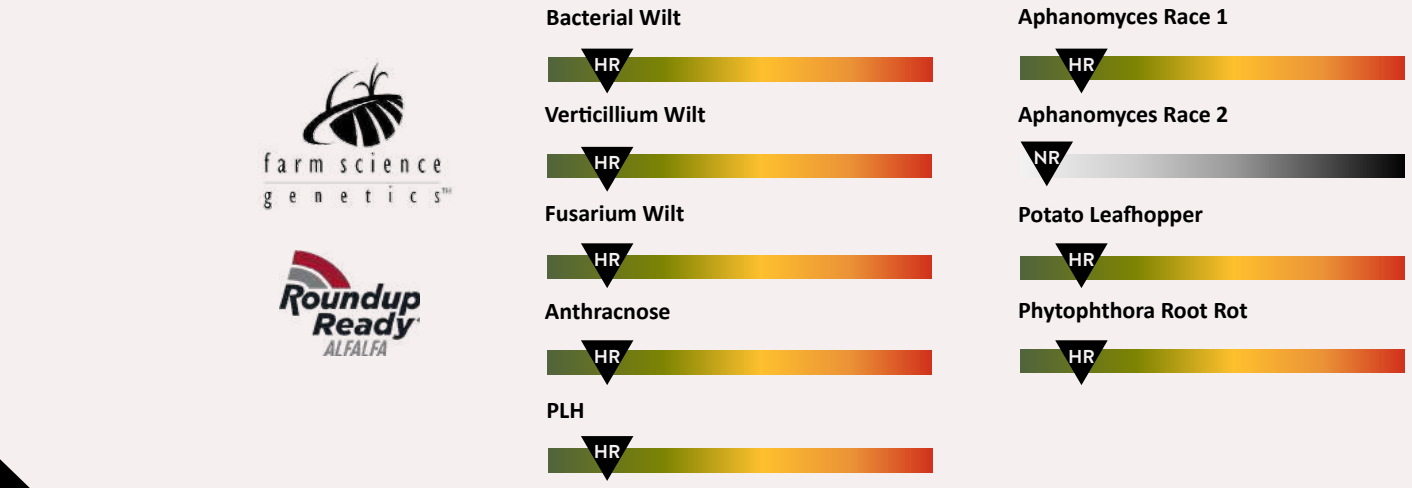
Farm Science Genetics®. High forage yield and quality. Excellent winterhardiness and persistence. High multi-foliate leaf expression. Outstanding disease and pest resistance. Fast recovery after cutting. Seed at 18-20 lbs. alone, 8-12 lbs. in mixes.



FSG 431RRLH (Leafhopper Resistant/Roundup Ready® Alfalfa)

Winter Hardiness 1.5 | Fall Dormancy 4

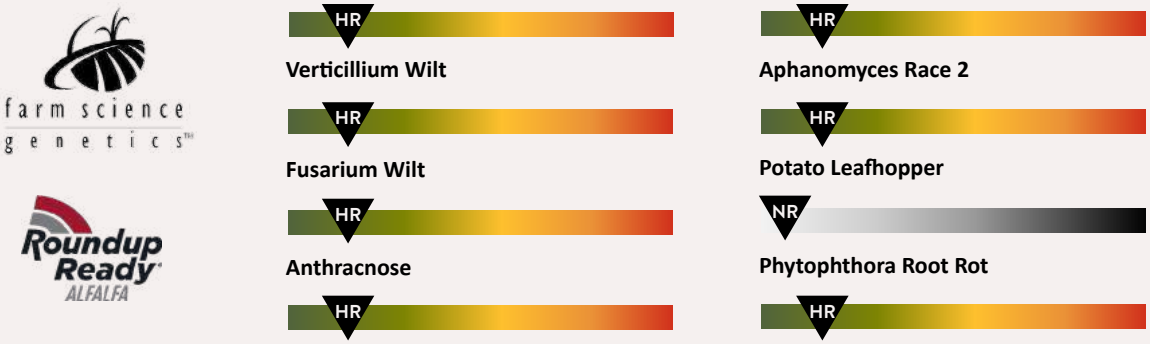
Farm Science Genetics®. Roundup Ready® Alfalfa. The newest genetics are now available with Roundup resistance combined with very high resistance to POTATO LEAFHOPPER. Excellent disease package and winterhardiness provide the ability to produce weed-free hay. 3-4 cut management. Seed at 18-20 lbs. alone, 8-12 lbs. in mixes.



FSG 438RR (Roundup Ready® Alfalfa)

Winter Hardiness 2.0 | Fall Dormancy 4

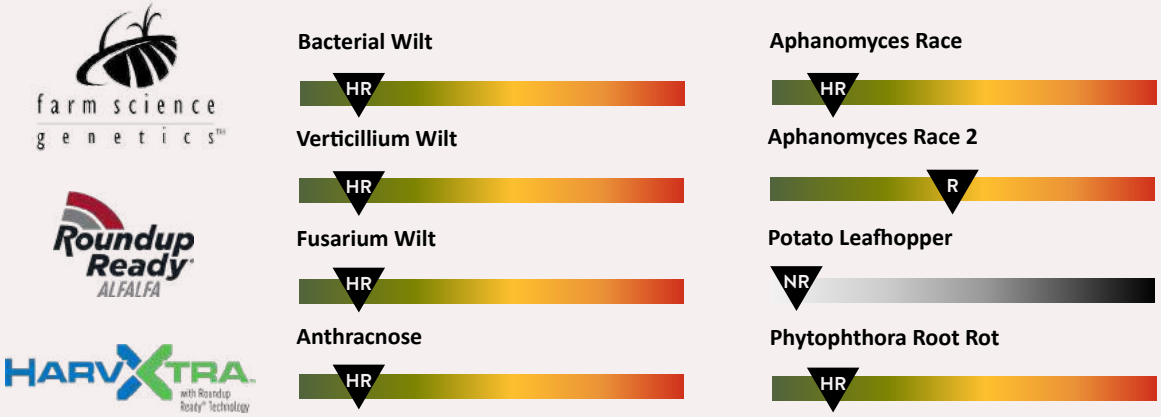
Farm Science Genetics®. Roundup Ready® Alfalfa. The newest genetics are now available with Roundup resistance. High resistance to Aphanomyces Race 1 and 2. Ability to produce weed-free hay. Well-adapted to a wide range of soil types, environmental conditions and management programs. 3-4 cut management. Seed at 18-20 lbs. alone, 8-12 lbs. in mixes



FSG 440HVX.RR (HarvXtra® Technology Alfalfa)

Winter Hardiness 2.0 | Fall Dormancy 4

Farm Science Genetics®. The industry's first genetically enhanced alfalfa technology developed to maximize quality compared to conventional alfalfa at the same stage of maturity, by reducing the amount of lignin in the plant. HarvXtra® technology provides unprecedented flexibility by widening cutting windows giving growers the ability to better manage the yield-versus-quality tradeoff. Roundup Ready® Alfalfa. Seed at 18-20 lbs. alone, 8-12 lbs. in mixes.



FORAGES

Alfalfa

PRODUCT	WL ALFALFAS	FALL DORMANCY	WINTERHARDINESS	BACTERIAL WILT	VERTICILLIUM WILT	FUSARIUM WILT	ANTHRACNOSE	APHANOMYCES RACE 1	APHANOMYCES RACE 2	POTATO LEAFHOPPER	PHYTO ROOT ROT
WL ALFALFA											
WL 341HVX.RR	HARVXTRA Roundup Ready	4	2.1	HR	HR	HR	HR	HR	NR	NR	HR
WL 349HQ	HQ	4	1.7	HR	HR	HR	HR	HR	HR	NR	HR
WL 3471.HVXRR	HARVXTRA Roundup Ready	4	1.9	HR	HR	HR	HR	HR	HR	NR	HR
WL 356HQRR	HQ Roundup Ready	4	1.6	HR	HR	HR	HR	HR	HR	NR	HR
WL 358LH	HOPPER SHIELD	4	2.0	HR	HR	HR	HR	HR	NR	HR	HR
WL 3441.RR	Roundup Ready	4	2.0	HR	HR	HR	HR	HR	HR	NR	HR
WL 359LH.RR	HOPPER SHIELD Roundup Ready	4	2.2	HR	HR	HR	HR	HR	NR	HR	HR
WL 365HQ	HQ	5	1.1	HR	HR	HR	HR	HR	NR	NR	HR
WL 3521		5	1.8	HR	HR	HR	HR	HR	HR	NR	HR
WL 372HQ.RR	HQ Roundup Ready	5	1.8	HR	HR	HR	HR	HR	NR	NR	HR
WL 375HVX.RR	HARVXTRA Roundup Ready	5	2.1	HR	HR	HR	HR	HR	HR	NR	HR

RED CLOVER

Uses: Red clover is used for hay, silage, pasture and soil improvement. It is a quick growing crop, easily established, and produces high quality forage. Tolerance of shade allows red clover to be used effectively as a cover crop under silage corn. Newer varieties of medium red clover can be productive for 3 years or more under proper management.

WHITE CLOVER

Uses: Forage: White clover is the most important pasture legume. It is a highly palatable, nutritious forage for all classes of livestock. White clover is commonly planted with orchardgrass, ryegrass, or tall fescue. Ladino clover grows tall enough to be harvested for hay, silage and green chop. Intermediate and small white clovers seldom grow tall enough to be harvested for hay or silage.

Wildlife: White clover is a choice food for deer and elk.

Erosion Control: Grass seedings benefit from the nitrogen produced by white clover included in the seed mixture. Solid stands of white clover form a good erosion controlling cover on moist fertile soils, but stands may be sparse or spotty on dry sites.

CRUSADE White Clover — MEDIUM MATURING

Improved winter regrowth. Extended grazing potential during colder months. Early and vigorous flowering. Disease resistance and strong regrowth after cutting. Seed at 5-8 lbs. alone, 2 lbs. in mixes.

Cutting Management	Yield Potential	Hay / Haylage	Pasture
Multiple	M	Yes	Yes
Extended grazing in colder months & disease resistant.			

STAMINA White Clover — MEDIUM MATURING

An intermediate-type white clover with high stolen density helps it spread aggressively and root down avoiding hoof and grazing pressure. Excellent yield and persistence for a long-haul clover. Seed at 5-8 lbs. alone, 2 lbs. in mixes.

Cutting Management	Yield Potential	Hay / Haylage	Pasture
Multiple	H+	Yes	Yes
Very persistent, large leaf. Excellent for grazing.			

FORAGES

Clover

PINNACLE Ladino Clover — MEDIUM MATURING

High yield potential. Excellent seedling vigor and stolen activity. Resists leaf diseases and field viruses. Superior persistence. Drought tolerant, widely adapted, ideal for pastures. Seed at 5-8 lbs. alone, 2 lbs. in mixes.

Cutting Management	Yield Potential	Hay / Haylage	Pasture
Multiple	H	Yes	Yes
Excellent seedling vigor with good stolen growth.			

FROSTY Berseem Clover — MEDIUM MATURING

A cool-season annual legume. Featuring salt tolerance, high nitrogen fixation, and a synergistic relationship with alfalfa. Has been bred for later maturity, cold tolerance, productivity, and nutritional value. Frosty has very low hard seed counts, allowing for quick establishment and lessening its potential to become a weed. Seed at 20 lbs. alone, 12-15 lbs. drilled, 12 lbs. in mixes.

Cutting Management	Yield Potential	Hay / Haylage	Pasture
Multiple	H	Yes	Yes
Excellent seedling vigor with good stolen growth.			

402 Brand Red Clover — MEDIUM MATURING

High yield potential, unmatched forage quality, excellent disease resistance, superior persistence. Highly resistant to Northern and Southern Anthracnose and Powdery Mildew. Performs across a wide geography and variable conditions. Seed at 10-12 lbs. alone, 4-8 lbs. in mixes.

Cutting Management	Yield Potential	Hay / Haylage	Pasture
Multiple	H+	Yes	Yes
High resistance to Northern and Southern Anthracnose.			

BEARCAT Red Clover — MEDIUM MATURING

High yield potential, unmatched forage quality, excellent disease resistance, superior persistence. Highly resistant to Northern and Southern Anthracnose and Powdery Mildew. Performs across a wide geography and variable conditions. Seed at 10-12 lbs. alone, 4-8 lbs. in mixes.

Cutting Management	Yield Potential	Hay / Haylage	Pasture
Multiple	H+	Yes	Yes
High resistance to Northern and Southern Anthracnose.			

Additional Clovers Available: **Crimson, Alsike, Mammoth, & White Dutch**

TIMOTHY

Livestock: Timothy is used mainly for hay, but also for pasture and silage. It is palatable and nutritious. It makes an excellent companion grass for alfalfa, trefoil or clover since it does not compete with legumes.

Erosion Control: Timothy can be used with legumes and/or other grasses in a mix for cover purposes, filter strips, waterways and other critical area applications.

Wildlife: Timothy is commonly found in wildlife mixtures for nesting, brood cover and escape.

SADDLEBRED® Brand Timothy

EARLY MATURITY

An early maturing variety that is well suited for the farmer looking for the many advantages of Climax but would like earlier maturity. Saddlebred has been bred in competition with other grasses and legumes, and therefore, makes it reliable in all grass mixtures. Saddlebred, in dry matter yield tests, has out-yielded other timothy varieties, including Climax, by 5-10%. Saddlebred is highly resistant to leaf rust, leaf spot, and purple eyespot. Seed at 8-10 lbs. alone, 4-6 lbs. in mixes. Seed at 20 lbs. alone, 12-15 lbs. drilled, 12 lbs. in mixes.

Cutting Management	Yield Potential	Hay / Haylage	Pasture
2-3	H	Yes	Yes
Good summer regrowth.			

CONQUEST Timothy

EARLY MATURITY

An early maturing variety that is a great hay and pasture choice for horses and other livestock owners who demand high-quality forage. Bred for higher forage yields, greater foliar disease resistance, faster spring green up, and improved summer regrowth. Seed at 8-10 lbs. alone, 4-6 lbs. in mixes.

Cutting Management	Yield Potential	Hay / Haylage	Pasture
2-3	H	Yes	Yes
Excellent spring vigor and very winter hardy.			

CATAPULT Timothy

MEDIUM MATURITY

Bred for spring vigor and summer regrowth, Catapult comes out of the ground fast with rapid recovery after cutting. Its superior stand persistence lasts all season and continues year after year. An ideal companion for legumes, other forage grasses, or as a pure stand. Seed at 8-10 lbs. alone, 4-6 lbs. in mixes.

Cutting Management	Yield Potential	Hay / Haylage	Pasture
2-3	H	Yes	Yes
Large Leaf			

EXPRESS II Timothy — LATE MATURING

Late maturing timothy that exhibits explosive Spring vigor and regrowth. With high yields and excellent forage quality, Express II is ideal for premium horse and livestock hay. Seed at 8-10 lbs. alone, 4-6 lbs. in mixes.

Cutting Management	Yield Potential	Hay / Haylage	Pasture
2-3	H	Yes	Yes
Excellent spring vigor and plant health.			

SUMMERGRAZE Timothy — LATE MATURING

Late maturing timothy for high-quality hay and pasture application. Selected for high yields, winter survival, and persistence. It combines high leaf expression and good Spring vigor that blends very well with legumes and other grasses. Seed at 8-10 lbs. alone, 4-6 lbs. in mixes.

Cutting Management	Yield Potential	Hay / Haylage	Pasture
2-3	H	Yes	Yes
Excellent seedling vigor with good stolen growth.			

FORAGE - Birdsfoot Trefoil

BIRDSFOOT Trefoil — LATE MATURING

SEEDWAY carries multiple trefoil varieties, such as Exact, Norcen, and Leo. Please contact your local SEEDWAY Territory Field Manager for current availability. alone, 8-10 lbs. in mixes. Seed at 20 lbs. alone, 12-15 lbs. drilled, 12 lbs. in mixes.

Forage: Birdsfoot trefoil is used as a high quality, non-bloating legume for pastures, hay and stock-piling.

Erosion Control: Birdsfoot Trefoil is often used for mine reclamation and other sites with marginal soils.

Wildlife: Birdsfoot trefoil is used in wildlife mixes and is an excellent food source for deer.

BROMEGRASS

Smooth brome may be used for hay, pasture, silage or stockpiling. It is compatible with alfalfa or other adapted legumes. The grass is highly palatable and is high in protein content and relatively low in crude-fiber content. Erosion control: Since the plant has a massive root system and is a sod former, it can be used effectively for critical area planting and waterways if the areas can be irrigated or where annual precipitation exceeds 20 inches.

PEAK Smooth Bromegrass — EARLY MATURING

Peak is Cornell University developed. Earlier maturity and higher yield potential than Saratoga. High forage yield especially after first cut. Improved forage quality, producing fewer heads, and good eye appeal in dry hay. Leave a 4" stubble for best regrowth. Seed at 15-20 lbs./acre alone, 3-8 lbs. in mixes.

Cutting Management	Yield Potential	Hay / Haylage	Pasture
2-3	H	Yes	Yes
Good summer regrowth.			

ARID Smooth Bromegrass — MEDIUM MATURING

Arid is a Smooth Brome developed to be more drought tolerant, high yielding, and shows good regrowth potential. Due to its high forage yield and quality, Arid is great for hay production or green chop. Developed to have less aggressive rhizomes than other smooth bromes, Arid works great in pastures with other species too. Seed at 15-20 lbs./acre alone, 3-8 lbs. in mixes.

Cutting Management	Yield Potential	Hay / Haylage	Pasture
2-3	H	Yes	Yes
Good summer regrowth.			

ADMIRAL Meadow Bromegrass — EARLY MATURING

Admiral is a high-yielding spring forage that's extremely winter hardy. Very palatable with an aggressive re-growth. Dark green in color. Seed at 15-20 lbs./acre alone, 3-8 lbs. in mixes.

Cutting Management	Yield Potential	Hay / Haylage	Pasture
2-3	H	Yes	Yes
Good summer regrowth.			

ORCHARDGRASS

Livestock: Orchardgrass may be used for hay, pasture or silage. It is highly palatable to all classes of livestock. Orchardgrass is one of the best forage grasses for use in pastures and in combination with alfalfa or red clover for hay.

Erosion Control: Because of its dense network of roots, orchardgrass provides good erosion control on those soils to which it is particularly adapted.

Wildlife: Orchardgrass is used in grass-legume mixes for nesting; brood rearing, escape and winter cover for upland game birds and conservation plantings.

BOUNTY II Orchardgrass — EARLY MATURING

Early maturity variety and outstanding yield potential. Ideal for hay production or pastures. Excellent plant vigor, quick recovery after cutting with great palatability. Drought tolerance and improved foliar disease resistance. Straight stands or grass and legume mixtures. EXCELLENT FOR GRAZING! Seed at 15-20 lbs. alone, 3-6 lbs. in mixes.

Cutting Management	Yield Potential	Hay / Haylage	Pasture
2-3	H	Yes	Yes
Quick regrowth after cutting.			

RUSHMORE II Orchardgrass — EARLY MATURING

An early maturing orchardgrass ideal for use in grazing and hay operations. Rushmore II exhibits excellent winter hardiness making it an ideal fit for colder northern climates. With improved disease resistance, excellent establishment, and persistence, Rushmore II can withstand grazing well. Seed at 15-20 lbs. alone, 3-6 lbs. in mixes.

Cutting Management	Yield Potential	Hay / Haylage	Pasture
2-3	H	Yes	Yes
High traffic tolerance with high yields.			

Rushmore II
early maturity orchardgrass

SWF 955 Easy Sow Orchardgrass — MEDIUM MATURING

Medium maturity. HULLED ORCHARDGRASS with the same characteristics as standard orchardgrass, but without the seed hulls, easier to mix with alfalfa or other seed. Best choice for air or hydro-seeding. Seed at 6-8 lbs./acre alone, 1-3 lbs./acre in mixes.

Cutting Management	Yield Potential	Hay / Haylage	Pasture
2-3	H	Yes	Yes
Great choice for air or hydro-seeding. Good companion with alfalfa.			

TRAILBURST Orchardgrass — MEDIUM-LATE MATURING

A tall, high-yielding, and persistent orchardgrass with a very dense and aggressive regrowth. Great seedling vigor. Medium-Late maturing. Dual purpose for hay and grazing. Seed at 15-20 lbs. alone, 3-6 lbs. in mixes.

Cutting Management	Yield Potential	Hay / Haylage	Pasture
2-3	H	Yes	Yes
Exceptional Rust tolerance.			

ALPINE II Orchardgrass — LATE MATURING

Later maturing with very good persistence and winter hardiness. Produces high yields cutting after cutting and under hard intense grazing. Dense and aggressive, tolerates heat, poor fertility, and low soil moisture. Good resistance to Foliar rust and leaf spot diseases. Seed at 15-20 lbs. alone, 3-6 lbs. in mixes.

Cutting Management	Yield Potential	Hay / Haylage	Pasture
2-3	H	Yes	Yes
Ideal option for grazing or hay. High yields with high protein content.			

EXTEND Orchardgrass — LATE MATURING

Late maturity with superior yield potential. Good maturity fit with alfalfa. Excellent plant vigor, increased stand persistence, drought tolerance, stem rust resistance, and great palatability. Seed at 15-20 lbs. alone, 3-6 lbs. in mixes.

Cutting Management	Yield Potential	Hay / Haylage	Pasture
2-3	H	Yes	Yes
Late maturity alfalfa companion. High grazing tolerance.			

DEVOUR Orchardgrass — LATE MATURING

Developed to withstand the rigors of intensive grazing systems which can destroy lesser varieties. Extended periods of hoof traffic and feeding won't deter Devour. Quick to establish, out-competing weeds, and producing a better, high-yielding pasture. Late maturing can be seeded with clover or alfalfa. High NDFD- very palatable. Seed at 15-20 lbs. alone, 3-6 lbs. in mixes.

Cutting Management	Yield Potential	Hay / Haylage	Pasture
2-3	H	Yes	Yes
Ideal option for grazing or hay. High yields with high protein content.			

ANNUAL RYEGRASS

Annual ryegrass is primarily used for pastures and quick cover in erosion control plantings. In the South, it is used as a winter annual for overseeding warm season grasses.

PERENNIAL RYEGRASS

Perennial ryegrass is a valuable forage and soil stabilization plant. This species is the predominant forage grass in Europe and is used extensively in the United States. Perennial ryegrass is used for pasture and hay in sheep, dairy and beef production. It is often used in mixes with alfalfa, clovers and other grasses. Perennial ryegrass has the highest forage quality of all cool season grasses.

BIGBANG Annual Ryegrass — EARLY MATURING

A tetraploid selected for early heading, yield, and disease resistance. It provides high-quality forage, consistent yields, and excellent regrowth. Big Bang is highly adaptable for use as a cover crop, its deep roots build soil structure and increase organic matter. Seed at 20-25 lbs. alone, 4-8 lbs. in mixes.

Cutting Management	Yield Potential	Hay / Haylage	Pasture
2-3	M-H	Yes	Yes
Good winterhardiness.			

BIGBANG ANNUAL RYEGRASS

FRIA Annual Ryegrass — LATE MATURING

Endophyte free ANNUAL diploid. Late maturity with superior cold tolerance and excellent palatability. Improved resistance to crown rust, gray leaf spot, and helminthosporium leaf spot. Seed at 20-25 lbs. alone, 4-8 lbs. in mixes.

Cutting Management	Yield Potential	Hay / Haylage	Pasture
2-3	H	Yes	Yes
Excellent forage quality.			

CENTURION Annaul Ryegrass — LATE MATURING

The ideal diploid annual ryegrass choice for dairies, beef, and hay operations. Excellent winterhardiness and will not linger long into the summer. When fall planted it will survive the early onslaught of cold, wet weather to provide cover and offer biodiversity following non-grass crops. High quality excellent forage yield. Seed at 20-25 lbs. alone, 4-8 lbs. in mixes.

Cutting Management	Yield Potential	Hay / Haylage	Pasture
2-3	H	Yes	Yes
Excellent winterhardiness.			

CENTURION DIPLOID • ANNUAL • RYEGRASS

TETRAPRIME Italian Ryegrass — EARLY MATURING

Selected for grazing applications, TetraPrime has excellent grazing tolerance and can be closely grazed without jeopardizing the integrity of the field. This close-graze ability allows for total forage usage. Excellent drought tolerance and improved winterhardiness. Seed at 20-25 lbs. alone, 4-8 lbs. in mixes.

Cutting Management	Yield Potential	Hay / Haylage	Pasture
2-3	H	Yes	Yes
Short rotation grass.			

TETRAMAG Hybrid Ryegrass — LATE MATURING

Excellent yield potential and stand-life expectancy of 3-5 years. Highest ranking entry in Cornell University and the University of Kentucky forage trials. This yield potential is due in part to TetraMag's unparalleled seedling vigor. Provides improved forage quality and continues to produce all season long. Seed at 20-25 lbs. alone, 4-8 lbs. in mixes.

Cutting Management	Yield Potential	Hay / Haylage	Pasture
2-3	H	Yes	Yes
Hybrid lasting 3-5 years.			

TETRASWEEET Perennial Ryegrass/Cut Rye — MEDIUM-LATE MATURING

Highly palatable, fast-establishing, tetraploid perennial rye. Tillers extensively, rapid recovery, and an excellent choice for all types of forage production. Can be grazed. High digestibility leads to increased animal performance and increased producer profits. Seed at 20-25lbs. alone, 4-8 lbs. in mixes.

Cutting Management	Yield Potential	Hay / Haylage	Pasture
2-3	H	Yes	Yes
A very wide leaf with high yields.			

ELENA Perennial Ryegrass — MEDIUM MATURING

High yield potential. Excellent seedling vigor and stolen activity. Resists leaf diseases and field viruses. Superior persistence. Drought tolerant, widely adapted, ideal for pastures. Seed at 20-25 lbs. alone, 4-8 lbs. in mixes.

Cutting Management	Yield Potential	Hay / Haylage	Pasture
2-3	H	Yes	Yes
Rust and leaf disease resistance.			

TALL FESCUE

For decades, KY31 tall fescue was planted widely as a forage and erosion control plant because it is widely adapted, easy to establish and long lived under harsh conditions and mistreatment. It is now recognized that the presence of a toxic endophyte contributed to both the tough nature of KY31 and the poor performance of grazing animals in the warmer months. It is suspected that endophyte infected KY31 has been deleterious to wildlife as well. Today, there are many varieties of tall fescue that are low endophyte or endophyte free, which can be used for hay or pastures without any of the animal health concerns posed by endophyte infected KY31. Tall fescue testing services are available to have existing stands of this grass evaluated for endophyte presence.

DOMINATE Tall Fescue — MEDIUM MATURING

Dominate is an endophyte-free variety. Outstanding regrowth and color during the summer which maximizes grazing and hay production. Use in pure stands or in combination with legumes. Great for winter stockpiling. Excellent adaptability to varying soil types. Seed at 15-20 lbs. drilled, 20-25 lbs. alone, 5-10 lbs. in mixes.

Cutting Management	Yield Potential	Hay / Haylage	Pasture
2-3	H	Yes	Yes
Good Winterhardiness			

TETON II Tall Fescue — MEDIUM MATURING

Teton II is fast establishing, high yielding, medium maturing, soft leaf tall fescue that is an upright variety with a broad crown, very resistant to diseases. Teton II is well adapted for hay and pasture production and shows excellent persistence. It is best suited to high fertility and heavy soils and can withstand acid, alkaline as well as poorly drained soils. The best growth is achieved during spring and fall seasons, with moderate growth during the summer season. Seed at 15-20 lbs. drilled, 20-25 lbs. alone, 5-10 in mixes.

Cutting Management	Yield Potential	Hay / Haylage	Pasture
2-3	H	Yes	Yes
Exceptionally high yielding. Endophyte-free.			

SWAJ/PALATINE Soft Leaf Tall — MEDIUM MATURING

Bred for its winterhardiness and selected for soft-leaved palatability and feed quality, improved digestibility, and more pounds of gain. SWAJ has a bunch type growth habit, average flag leaf size, and tall plant height delivering more biomass. A strong disease package includes resistance to Crown Rust. Seed at 15-20 lbs. drilled, 20-25 lbs. alone, 5-10 lbs. in mixes.

Cutting Management	Yield Potential	Hay / Haylage	Pasture
2-3	H	Yes	Yes
Strong disease package. Excellent winterhardiness.			

MARQUISE Meadow Fescue — MEDIUM MATURING

Exhibits many facets to outshine other grass varieties. Excellent drought tolerance for dry season conditions. Exceptional forage quality. Ideal for wetter soils. Wide soft leaf. When you use Marquise Meadow Fescue your PROFITS are measured in DIAMONDS! 25-30 lbs. alone, 6-15 lbs. in mixes

Cutting Management	Yield Potential	Hay / Haylage	Pasture
2-3	H	Yes	Yes
Good for hay, haylage, and grazing. Tolerates wet soils.			

FORAGES - Festulolium

Festulolium is a hybrid cross between the Festuca and Lolium species. The agronomic benefits of festulolium started to gain acceptance in the late 1950's with demand steadily increasing over the years. Festulolium is mainly utilized in pastures for grazing and stockpiling, either in mixes or pure stands. Silage and green chop are other major uses. Benefits include higher forage yields than perennial ryegrass, forage quality similar to perennial ryegrass, increased mid summer growth compared to other cool season grasses, high disease resistance, winterhardiness and persistence.

GAIN Festulolium — EARLY-MEDIUM MATURING

Great yield potential, pasture or silage. Rapid establishment, vigorous growth, excellent with legumes or slower starting grasses. Leafy, palatable, and nutritious for all livestock and horses. Performs best on moist, fertile soils. A hybrid of Italian Ryegrass and Meadow Fescue. Seed at 25-30 lbs. alone, 8-15 lbs. in mixes.

Cutting Management	Yield Potential	Hay / Haylage	Pasture
2-3	H	Yes	Yes
Strong disease package. Excellent winterhardiness.			

SUGARCREST Festulolium — EARLY-MEDIUM MATURING

A tetraploid perennial ryegrass x meadow fescue festulolium that establishes quickly and has fast regrowth, yielding more tonnage per acre than the competition. Excellent persistence provides a highly palatable feed for years. Combined with improved winterhardiness and disease resistance, Sugarcrest is unsurpassed for quality and longevity. Seed at 25-30 lbs. alone, 8-15 lbs. in mixes.

Cutting Management	Yield Potential	Hay / Haylage	Pasture
2-3	H	Yes	Yes
Strong disease package. Excellent winterhardiness.			

FORAGES

Mixtures

Forage & Pasture

ALFA-SOW™

Hay/Pasture Mix Exclusive

FSG 450 alfalfa and Extend "Easy Sow" hulled orchardgrass makes the perfect blend for your high-production hay acres. These varieties will help ensure the perfect blend that will not bridge in your drill like regular orchardgrass. Don't waste your time blending your seed at the planter or worrying about two separate seed boxes - JUST FILL YOUR SEED BOX AND SOW YOUR FIELDS! FSG 450 alfalfa is treated with both All-Vantage™ and Aquabond™ to promote germination and stand establishment. (20 lbs./acre)

90% FSG 450 Alfalfa 10% Extend Hulled Orchardgrass

PROFESSIONAL HORSE

Pasture Mix

Professional Horse Pasture Mixture is a forage blend specially formulated to meet the nutritional needs of horses while withstanding their intense grazing pressure. (25 lbs./acre)

45% Orchardgrass 30% Perennial Ryegrass 10% Timothy 10% Festulolium 5% Kentucky Bluegrass

PROFESSIONAL DAIRY

Pasture Mix

Maximize the performance of dairy cattle. Grasses and clover provide yield, nutrition, stand persistence, and disease resistance. (25 lbs./acre)

25% Orchardgrass 20% Perennial Ryegrass 15% Timothy 15% Festulolium 10% Branch-Rooted Alfalfa 10% Red Clover 5% Ladino White Clover

PROFESSIONAL BEEF

Pasture Mix

Maximize beef animal per acre return. High-quality ingredients blended in the proper rations. (25 lbs./acre)

40% Tall Fescue 23% Orchardgrass 10% Intermediate Ryegrass 10% Perennial Ryegrass 6% Red Clover 6% Timothy 5% Ladino Clover

ULIMATE GRAZER

Pasture Mix

Mixture designed for the intense grazer. Provides high forage quality and digestibility. If you need to increase milk pounds or body weight...this one will satisfy all your needs! (25 lbs./acre)

35% Devour Orchardgrass 30% Sugarcrest Festulolium 25% Tetra Sweet Perennial Ryegrass 5% Stamina White Clover 5% Bearcat Red Clover

SEEDWAY 100

Forage & Pasture Mix

A long lasting mixture of high-performing alfalfa and an endophyte-free tall fescue to give persistence and traffic tolerance. (20 lbs./acre)

90% High-Yielding Alfalfa 10% Endophyte-Free Forage Tall Fescue

SEEDWAY 150 — Forage & Pasture Mix

High forage quality combining top-ranking alfalfa with timothy to provide higher yields. (20 lbs./acre)
85% High Yielding Alfalfa 15% Timothy

SEEDWAY 200 — Forage & Pasture Mix

A mixture that will tolerate wetter soils as well as well drained-soils and provide excellent forage yields and quality. (20 lbs./acre)
50% Branch Root Alfalfa 30% Meadow Fescue 20% Forage Tall Fescue

SEEDWAY 250 — Forage & Pasture Mix

An alfalfa and grass mixture will produce in a wide range of soil types and conditions. (20 lbs./acre)
65% High-Yielding Alfalfa 25% Endophyte-Free Forage Tall Fescue 10% Timothy

SEEDWAY 325 — Forage & Pasture Mix

Ideal for wetter than normal soils. Suitable for river bottom fields and low-lying areas. High yielding with excellent forage quality. (30 lbs./acre)
35% Endophyte-Free Forage Tall Fescue 35% Meadow Fescue 20% Festulolium 10% Red Clover

SEEDWAY 350 — Forage & Pasture Mix

High-yielding mixture that will dry down fast and provide excellent feed quality hay. (30 lbs./acre)
35% Endophyte-Free Forage Tall Fescue 30% Orchardgrass 15% Red Clover 10% Perennial Ryegrass 10% Festulolium

SEEDWAY 400 — Forage & Pasture Mix

A red clover-based mix with enough timothy to balance the ration and provide an excellent stand for three years. (18 lbs./acre)
60% Red Clover 40% Timothy

SEEDWAY 450 — Forage & Pasture Mix

Economical mix to cover the basic needs for a legume and grass mixture. (18 lbs./acre)
50% Alfalfa 35% Timothy 15% Medium Red Clover

Varieties listed for forage and pasture mixes may be substituted with comparable varieties based on availability. Custom mixes are available with an additional mix charge for growers desiring specific varieties or different mix ratios.

FORAGES

Mixtures

Forage & Pasture

SEEDWAY 500 — Forage & Pasture Mix

Perennial grass mixture that has excellent forage quality and yield. This mixture will tolerate a multitude of soil types and conditions. (20 - 30 lbs./acre)

35% Festulolium 35% Forage Perennial Ryegrass 15% Annual Ryegrass 15% Red Clover

SEEDWAY 550 — Forage & Pasture Mix

High-yielding all-grass mixture for both hay and grazing. Quick dry down, persistent, and suitable for all soil conditions. (30 lbs./acre)

40% Endophyte-Free Forage Tall Fescue 30% Orchardgrass 20% Festulolium 10% Late Maturing Timothy

SEEDWAY 575 — Forage & Pasture Mix

Versatile all-grass mixture that will excel in both wetter soils and dryland. Endophyte -free grass that has excellent traffic resistance and is very persistent. A high-yielding grass mix with quick dry down. (30 lbs./acre)

60% Forage Tall Fescue 40% Meadow Fescue

TAR — Economy Mix

Combination of grass and clover to be used as a plow-down mixture to increase green manure, reduce erosion, and fix nitrogen. (30 lbs./acre)

50% Timothy 30% Medium Red Clover 20% Alsike/White Clover

*** TAR MIX NO 1 contains Alsike clover, which has been associated with certain metabolic disorders in horses. DO NOT pasture horses in fields seeded with this mixture or any mixture containing Alsike.**

SPRINT MAXX — Pea/Oat Forage Mixture

Sprint Maxx is a forage mixture of Haywire Brand Oats and Stockade Brand Peas. It produces high yields of high-quality forage in dairy and beef areas throughout the Northern United States. Sprint-Maxx provides a quick source of forages within 60 days of planting and can be used as a companion crop to establish alfalfa, or it can follow winter wheat if planted within the first 2 weeks of August.

80-120 lbs. per acre

Haywire Brand Oats - Superior forage yield and excellent standability. High protein content. Large palatable leaves. Stockade Brand Peas - Excellent spring vigor and high yield potential. Increased vine delivers higher forage quality. Excellent disease resistance. Small black seeded forage pea for higher populations.

DON'T SEE YOUR MIXTURE HERE?

Custom Mixing Available Upon Request

In addition to SEEDWAY's excellent standard forage and grass mixtures, SEEDWAY will custom blend forage mixes to fit the needs and demands of your operation.

Simply call your SEEDWAY office or Territory or Retail Field Manager today for further information.

HYOCTANE
Winter Forage Triticale

HyOctane is a winter triticale variety that has shown favorable forage yield and winter hardiness across the East Coast. HyOctane makes a great option for fall grazing on ensiling in the spring before corn planting. Reduced awned variety to aid livestock palatability. Good early-season vigor and earlier heading date than traditional varieties. Medium straw strength. Very short awns. Very high leaf-to-stem ratio. Seed at 90 - 120 lbs. per acre.

THOR™
Facultative Forage Triticale

Awnletted (reduced beard length). Moderate plant height. Good stem strength. Good early seedling vigor. High silage yield. Good silage quality. Adapted widely throughout the Northern US and Northeast. Ideal variety for spring and fall forage mixes. Can be planted in Spring and Fall (facultative variety). Seed at 90 - 120 lbs. per acre.

KARA
Forage Oats

Kara forage oat is a tall, leafy, forage-style oat with excellent yield, and improved resistance to leaf rust. Harvesting is facilitated by its good standability, which also results in high straw yields. Its upright growth, healthy foliage, and broad leaves make it an excellent forage oat. Seed at 120 - 150 lbs. per acre.

NEW BLAZER
Forage Oats

Tall leafy forage oat with improved standability with superior crown rust resistance. Seed at 120 -150 lbs. per acre.

FORAGES

Forages & Grain Sorghum

Comparison Chart

Variety Name	BMR/Gene	Stalk	Growth Habit	Maturity	Recovery After Cutting	Silage	Hay	Grazing	Seeding Rate lbs./acre
Forage Sorghum: Performs best in moderate to well drained soils with pH range of 5.5 - 7.0. Drought tolerance is high. Requires 1/3 less water than corn.									
SSA 171 BMR6 DS	Yes / 6	Dry	Upright	75 Day To Soft Dough	Fair	Excellent	Fair	No	7 - 11 lbs.
SSA 181 BMR6 DS	Yes / 6	Dry	Upright	85 Day To Soft Dough	Fair	Excellent	Fair	No	7 - 11 lbs.
SSA 191 BMR6 BD	Yes / 6	Juicy	Brachytic Dwarf	95 Day To Soft Dough	Fair	Excellent	Fair	No	7 - 11 lbs.
Sorghum Sudan: Multiple cut system to fast regrowth. Yield is generally less than forage sorghum. Large stems make drying for hay difficult.									
SSA 251 BMR6 DS	Yes / 6	Dry	Upright	55 Day To Boot	Very Good	Very Good	Very Good	Very Good	35 - 50 lbs.
SSA 252 BMR6	Yes / 6	Juicy	Upright	55 Day To Boot	Very Good	Very Good	Very Good	Very Good	35 - 50 lbs.
SSA GreenGrazer	No	Juicy	Upright	65 Day To Boot	Good	Good	Good	Good	35 - 50 lbs.
Hybrid Sudan: Smaller leaves and finer stems, making drydown more efficient. Hybrids available that are slightly larger and higher yielding.									
SSA M31 BMR6 DS	Yes / 6	Dry	Upright	35 Day To Boot	Excellent	Excellent	Excellent	Excellent	25 - 30 lbs.
Pearl Millet: Bushy type with high yield potential. Widely adapted. No prussic acid concerns. Forage produced is virtually all leaves.									
SSA Leafy PM	No	Juicy	Leafy	60 - 65 Day To Boot	Very Good	Excellent	Excellent	Good	15 - 25 lbs.
SSA Dwarf BMR PM	Yes	Juicy	Brachytic Dwarf	60 - 65 Day To Boot	Very Good	Excellent	Excellent	Good	15 - 25 lbs.
German Millet	No	Juicy	Upright	50 - 55 Day To Boot	Fair	Good	Good	Good	20 - 25 lbs.

Variety Name	Grain Color	Days To Mid Bloom	Plant Height	Head Type	Anthracnose	Powdery Mildew	Seeding Rate lbs./acre
Grain Sorghum: Primary use is for feed produced from grain. Exceptional yield performance with wide area of adaptability. Popular for wildlife cover and food source.							
SGS 801	Red	52 Day	24" - 42"	Semi Open	Excellent	Very Good	10 lbs.
SGS 251	Bronze	55 Day	40" - 45"	Semi Closed	Good	Good	10 lbs.
SGS 255C	Cream	58 Day	38" - 45"	Semi Open	Good	Very Good	10 lbs.
SGS 425	Red	65 Day	40" - 45"	Semi Open	Very Good	Excellent	10 lbs.

SUMMER ANNUAL PRODUCT KEY

SSA = SEEDWAY Summer Annuals
M = Multiple
DS = Dry Stalk
SGS = SEEDWAY Grain Sorghum
BD = Brachytic Dwarf

SSA 171 BMR6 DS

75 Day | Forage Sorghum

Male sterile hybrid, volunteer growth is not an issue provided there is adequate isolation from pollen-fertile sorghums. Significantly lower stem lignin concentration. Improved digestibility and palatability equals milk production of corn. Requires 1/3 less water than corn for the same production. The dry stalk gene improves harvest time. Seed at 7-11 lbs. per acre.

SSA 181 BMR6 DS

85 Day | Forage Sorghum

Male sterile hybrid, volunteer growth is not an issue provided there is adequate isolation from pollen-fertile sorghums. The dry stalk gene improved harvestability timing. Significantly lower stem lignin concentration. Improved digestibility and palatability. Requires 1/3 less water than corn. Male sterile hybrid. Seed at 7-11 lbs. per acre.

SSA 191 BMR6 DS

95 Day | Forage Sorghum

Dwarfing gene increases leaf to stem ratio and provides superior standability. Significantly lower stem lignin concentration. Improved digestibility and palatability. Equals milk production of corn. Grain-producing hybrid. Seed at 7-11 lbs. per acre.

SSA M31 BMR6 DS

35-40 Day | Leafy BMR6 Hybrid Sudangrass

SSA M31 BMR6 DS is a BMR 6 Hybrid Sudangrass. The BMR 6 gene added to a sudangrass hybrid adds the high quality to a plant that has fine stems and quick regrowth. This hybrid will have a fast dry down so it can be used in areas that have trouble putting sorghum sudan up as dry hay. Seed at 25-30 lbs. per acre.

Early planting is NOT an option with sorghum and sorghum x sudan products. They must be planted in warm soils. May 20 is the absolute earliest after soils are warm. Also observe sorghum / sudan feed warnings to prevent Prussic Acid Poisoning.

(1) Avoid larger nitrogen applications prior to expected drought period.
(3) Do not harvest drought damaged plants within 4 days of good rain.
(5) Cut at higher stubble height, nitrates accumulate in the lower stalks.
(2) 2, 4-D increases Prussic Acids for several weeks after application.
(4) Allow at least 7 days killing frost before chopping.
(6) Wait 6 weeks after ensiling to allow Prussic Acid to dissipate.

FORAGES

Annual

SSA 251 BMR6 DS

50-55 Day | Dry Stalk Hybrid Sorghum-Sudan

Produces high tillering, high-quality forage with excellent early vigor. The high leaf-to-stem ratio equals high protein. Digestibility has been increased by 20% due to the BMR 6 trait. The dry stalk gene allows for a timelier harvest and helps get the crop out of the field quickly. Typically used in a rotation grazing or 1-3 cutting systems allowing growers to produce the maximum amount of forage. Seed at 35-50 lbs. per acre.

SSA 252 BMR6

50-55 Day | Hybrid Sorghum - Sudangrass

SSA 252 BMR6 produces some of the highest dry matter yields of any BMR and non-BMR hybrid sorghum-sudangrass commercially available with excellent nutritional quality and vigor. Highly digestible, increased drought tolerance, and improved animal utilization due to reduced lignin. Excellent choice for grazing, hay, greenchop, and silage. Seed at 35-50 lbs. per acre.

SSA GREENGRAZER

50-55 Day | Hybrid Sorghum - Sudangrass

Small seeded three-way cross with thin stems that are highly palatable. Very fast regrowth after cutting. Possesses the Green Top trait, which allows for further extension of the plant. Planting at higher populations will result in a finer-stemmed forage. Finer stems will allow the forage to dry faster for higher quality hay than is possible with thick-stemmed types. Seed at 35-50 lbs. per acre.

GRAIN SORGHUM

Feed: Grain sorghum is used primarily for feed produced from the grain although grain sorghum can be used for silage if necessary. It is not recommended for grazing.

Wildlife: Grain sorghum is a favorite food source for upland game birds, migratory birds and other non game birds.

SGS 801

50-52 Day | Hybrid Grain Sorghum

Widely adapted from north to south across soil types and environmental conditions. Good emergence and early vigor help SGS 801 get off to a fast start, while exceptional stress tolerance allows for dependable yield performance under adverse conditions. If you need an early-maturity hybrid with high yield potential, SGS 801 is the variety to ask for. Seed at 8-12 lbs. per acre.

SGS 251

55 Day | Grain Sorghum

SGS 251 is widely adaptable north to south across various soil types and conditions of the medium-early maturity zones. Exceptional stress tolerance allows for dependable yield performance under adverse conditions. Good emergence score and early vigor help SGS 251 get a fast start in spring. Red grain color. Seed at 8-12 lbs. per acre.

SGS 255C

54-58 Day | Grain Sorghum

SGS 255C is widely adaptable north to south across extraneous soil types and conditions of the medium-early maturity zones. Exceptional stress tolerance allows for dependable yield performance under adverse conditions. A good emergence score and early vigor help SGS 255C get a fast start in spring. Cream-colored grain. Very popular for wildlife applications. Seed at 8-12 lbs. per acre.

SGS 425

60-65 Day | Hybrid Grain Sorghum

SGS 425 is widely adapted from north to south across soil types and environmental conditions. Good emergence and early vigor help SGS 425 get off to a fast start, while unmatched stress tolerance allows for dependable yield performance under adverse conditions. If you need a medium-maturity hybrid with high yield potential, SGS 425 is the variety to ask for. Red-colored grain. Seed at 8-12 lbs. per acre.

PEARL MILLET

Pearl millet is used primarily for grazing, green chop and silage.

SSA LEAFY PEARL MILLET

63 Day | LEAFY PEARL MILLET

SSA Leafy Pearl Millet is a bushy-type hybrid pearl millet with high yield potential which is achieved very quickly being only 63 days to the boot stage. It has a high level of tolerance to many pathogens and high humidity, but cannot tolerate standing surface water. Can be grown on as little as 16 inches of water, however, greater tonnage will be produced with greater water availability. The bushy-type plant stature means that the forage produced is virtually all leaves. This greater leaf mass gives SSA Leafy Pearl Millet high crude protein concentrations and high TDN values. Seed at 20-25 lbs. per acre.

SSA DWARF BMR PEARL MILLET

60-65 Day | Dwarf BMR Pearl Millet

SSA Dwarf BMR Pearl Millet is a new concept in hybrid pearl millets with BMR and dwarfing gene technology. The BMR gene reduces plant lignin versus conventional pearl millets resulting in a highly digestible forage with improved nutritional quality for superior animal performance. The dwarfing gene increases the leaf-to-stem ratio for higher forage quality, improves standability in the field, and allows heavier grazing pressure with its extensive tillering. With high yield and quality potential, an excellent disease resistance package, drought stress tolerance, and rapid growth, ideal for the grower who wants the flexibility of grazing, hay, or silage. Seed at 20-25 lbs. per acre.

FORAGE SEED INFORMATION CHART

VARIETY	APPROX. SEEDS/LB	LBS/BU	PLANTING RATE (LBS/ACRE)	PLANTING RATE IN MIX (LBS/ACRE)	SEEDING DEPTH (INCHES)	SUGGESTED PLANTING DATES	EMERGENCE TIME (DAYS)	PRIMARY USE	LIFE CYCLE
Alfalfa	227,000	60	15 - 20	8 - 10	1/4 - 1/2	March-May, August-September	7	Hay, Silage, Pasture	Perennial
Barley	14,000	48	90 - 120	60 - 90	1 - 2	March-April, August-October	7	Pasture	Annual
Bermudagrass (Hulled)	2,071,000	40	5 - 10	-	1/8	April-June, August-September	21	Hay, Pasture	Perennial
Birdsfoot Trefoil	370,000	60	8 - 10	4 - 8	1/4	February-May, August-September	7	Pasture	Perennial
Bluegrass, Kentucky (Forage)	2,177,000	14	10 - 15	4 - 10	1/4	February-May, August-September	28	Pasture	Perennial
Bluestem, Big	165,000	22	5 - 12 PLS	-	1/4 - 1/2	May-June	28	Hay, Pasture	Perennial
Bluestem, Little	237,000	-	5 - 8 PLS	-	1/4 - 1/2	May-June	28	Pasture	Perennial
Brome, Meadow	93,000	-	12 - 20	4 - 8	1/4 - 1/2	March-May, August-September	14	Hay, Pasture	Perennial
Brome, Smooth	138,000	14	15 - 20	3 - 10	1/4 - 1/2	March-May, August-September	14	Hay, Pasture	Perennial
Buckwheat	15,000	52	40 - 55	-	1/2 - 1	June-July	7	Hay, Grain, Wildlife	Annual
Buffalograss	49,000	-	40 - 80 PLS	-	1/2	May-June	14 - 21	Pasture	Perennial
Chicory	426,000	-	4 - 5	2 - 3	1/8 - 1/4	April-May-August-September	7 - 21	Pasture, Wildlife	Perennial
Clover, Alsike	728,000	60	7 - 8	1 - 3	1/4 - 1/2	February-May, August-October	7	Hay, Pasture	Perennial
Clover, Arrowleaf	400,000	60	5 - 10	-	1/8 - 1/2	August-October	7	Hay, Pasture	Annual
Clover, Berseem	207,000	60	10 - 20	-	1/4 - 1/2	May-June, August-October	7	Hay, Pasture	Annual
Clover, Crimson	150,000	60	20 - 30	-	1/4 - 1/2	August-October	7	Hay, Pasture	Annual
Clover, Kura	227,000	60	10	4 - 6	1/4 - 1/2	April-May, August	7	Hay, Pasture	Perennial
Clover, Ladino White	768,000	60	4 - 6	2 - 4	1/8 - 1/4	February-May, August-October	7 - 10	Hay, Pasture	Perennial
Clover, Mammoth Red	272,000	60	8 - 12	4 - 8	1/4 - 1/2	February-May, August-October	7	Hay, Silage, Pasture	Perennial
Clover, Medium Red	272,000	60	8 - 12	4 - 8	1/4 - 1/2	February-May, August-October	7	Hay, Silage, Pasture	Perennial
Clover, New Zealand White	768,000	60	4 - 6	2 - 4	1/8 - 1/4	February-May, August-October	7 - 10	Pasture	Perennial
Clover, White Dutch	768,000	60	6 - 8	2 - 4	1/8 - 1/4	February-May, August-October	7 - 10	Pasture	Perennial
Crownvetch	138,000	60	20 - 40	5 - 10	1/2	March-May, August-September	14	Erosion Control	Perennial
Dropseed, Prairie	224,000	-	5 PLS	-	1/2	March-June	-	Pasture	Perennial
Dropseed, Sand	5,300,000	-	2 - 4 PLS	-	1/2	March-June	-	Pasture	Perennial
Eastern Gamagrass	724,000	-	8 - 10 PLS	-	1/2	May-June	14	Hay, Pasture	Perennial
Fescue, Hard	592,000	-	5 - 10	-	1/4 - 1/2	February-May, August-September	14	Erosion Control	Perennial
Fescue, Meadow	227,000	19	8 - 12 PLS	-	1/4 - 1/2	March-May, August-September	14	Pasture	Perennial
Fescue, Tall	227,000	25	10 - 30	-	1/4 - 1/2	March-May, August-September	14	Hay, Pasture, Erosion Control	Perennial
Festulolium	227,000	-	25 - 45	8 - 20	1/4	March-May, August-September	14	Hay, Pasture	Perennial
Grama, Blue	724,000	-	4 - 10	-	1/4 - 1/2	May-July	14	Pasture	Perennial
Grama, Sideoats	160,000	-	6 - 12	-	1/2	May-June	28	Pasture	Perennial
Hairy Vetch	16,000	60	20 - 25	-	1	August-October	14	Hay, Pasture	Annual
Indiangrass	200,000	10	6 - 12	-	1/2	May-June	28	Pasture	Perennial
Kales	200,000	-	3.5 - 4	2 - 3	1/2	May-June	7	Pasture	Annual
Lespedeza, Korean (Hulled)	238,000	25	25 - 35	-	1/4 - 1/2	March-April	14	Hay, Pasture, Erosion Control	Annual
Lespedeza, Striate (Kobe)	200,000	25	25 - 35	-	1/4 - 1/2	March-April	14	Hay, Pasture, Erosion Control	Annual
Millet, Browntop	142,000	50	10 - 30	-	1/2 - 1	May-July	10	Hay, Pasture	Annual

VARIETY	APPROX. SEEDS/LB	LBS/BU	PLANTING RATE (LBS/ACRE)	PLANTING RATE IN MIX (LBS/ACRE)	SEEDING DEPTH (INCHES)	SUGGESTED PLANTING DATES	EMERGENCE TIME (DAYS)	PRIMARY USE	LIFE CYCLE
Millet, Foxtail (German)	220,000	50	20 - 25	-	1	May-July	10	Hay	Annual
Millet, Japanese	143,000	35	15 - 30	8 - 12	1	April-July	10	Hay, Wildlife, Erosion Control	Annual
Millet, Pearl	60,000	52	15 - 25	-	1/2	May-July	7	Pasture, Silage	Annual
Millet, Proso	80,000	56	20 - 30	-	1	May-July	10	Grain, Wildlife	Annual
Oats, Spring, Fall	16,000	32	64 - 120	60 - 90	1 - 2	March-April, August-September	10	Hay, Pasture	Annual
Orchardgrass	416,000	14	10 - 20	3 - 6	1/4 - 1/2	March-May, August-September	18	Hay, Pasture	Perennial
Peas, Austrian Winter	2,000	60	30 - 40	20 - 30	1/2 - 1	March-April, September-October	7	Hay, Pasture, Silage	Annual
Peas, Cow	3,000	60	75 - 120	-	1/4 - 1/2	May-June	8	Hay, Pasture, Silage	Annual
Rape	145,000	50	5 - 8	4 - 6	1/2	April-August	7	Pasture	Annual
Red Top	4,990,000	14	4 - 5	1 - 2	1/4	March-May, August-September	10	Pasture, Erosion Control	Perennial
Reed Canarygrass	480,000	47	8 - 10	4 - 8	1/4 - 1/2	March-May, August-September	21	Hay, Pasture	Perennial
Rye, Grain	18,000	56	90 - 120	60 - 90	1 - 2	March-April, August-September	7	Hay, Pasture	Annual
Ryegrass, Annual	227,000	24	30 - 40	6 - 10	1/4 - 1/2	February-May, August-September	14	Hay, Pasture, Erosion Control	Annual
Ryegrass, Perennial	227,000	24	30 - 40	6 - 10	1/4 - 1/2	February-May, August-September	14	Hay, Pasture	Perennial
Sainfoin	30,000	55	30 - 45	15	1/2 - 3/4	March-April	10	Hay, Pasture, Wildlife	Perennial
Sorghum, Forage	17,000	56	15 - 50	-	1	May-July	10	Silage	Annual
Sorghum, Forage BMR	17,000	56	6 - 8	-	1	May-July	10	Silage	Annual
Sorghum, Grain	15,000	50	4 - 20	-	1	May-July	10	Grain, Wildlife	Annual
Sorghum-Sudangrass	21,000	56	20 - 40	-	1	May-July	10	Hay, Pasture	Annual
Sorghum-Sudangrass BMR	21,000	56	20 - 40	-	1	May-July	10	Hay, Pasture	Annual
Sudangrass	43,000	40	20 - 45	-	1/2 - 1	May-July	10	Hay, Pasture	Annual
Sunflowers, Peredovik	7,000	32	8 - 40	-	1	May-July	7	Wildlife	Annual
Swedes	200,000	-	2 - 3	-	1/4 - 1/2	May-June	7	Pasture	Annual
Sweetclover, White Blossom	259,000	60	6 - 15	3 - 8	1/4 - 1/2	February-May, August-October	7	Pasture	Biennial
Sweetclover, Yellow Blossom	259,000	60	6 - 15	3 - 8	1/4 - 1/2	February-May, August-October	7	Pasture	Biennial
Switchgrass	389,000	55	4 - 8 PLS	-	1/2	April-May	21	Hay, Pasture	Perennial
Teff	1,300,000	-	4-6 raw / 8-12 coated	-	1/8 - 1/4	May-July	3 - 6	Hay	Annual
Timothy	1,152,000	45	6 - 12	2 - 6	1/4 - 1/2	March-May, August-September	10	Hay, Pasture	Perennial
Triticale	15,000	48	90 - 120	60 - 90	1 - 2	March-April, August-October	7	Hay, Pasture	Annual
Turnips	220,000	55	2 - 8	1 - 2	1/2	April-August	7	Pasture	Annual
Weeping Lovegrass	1,482,320	60	3 - 5	1 - 2	1/2	May-June	7	Hay, Pasture	Perennial
Wheat	11,000	60	60 - 120	60 - 90	1 - 2	March-April, August-October	7	Pasture	Annual
Wheatgrass, Crested	175,000	22	10 - 12 PLS	-	1/2	March-June	10 - 14	Pasture	Perennial
Wheatgrass, Intermediate	88,000	-	12 - 18 PLS	-	1/2	March-June	10 - 14	Pasture	Perennial
Wheatgrass, Pubescent	90,000	-	12 - 18 PLS	-	1/2	March-June	10 - 14	Pasture	Perennial
Wheatgrass, Slender	160,000	-	10 - 12 PLS	-	1/2	March-June	10 - 14	Pasture	Perennial
Wheatgrass, Tall	79,000	-	15 - 20 PLS	-	1/2	March-June	10 - 14	Pasture	Perennial
Wheatgrass, Western	110,000	-	8 - 15 PLS	-	1/2	March-June	10 - 14	Pasture	Perennial

BRASSICA

Pasture: Brassicas allow the flexibility to increase livestock carrying capacity and extend the grazing season into late fall and winter.

Cover Crop: Brassicas have many agronomic benefits when used as cover crops such as erosion control, nutrient recycling, enhanced soil tilth, reducing soil compaction and building organic matter.

Wildlife: Brassicas are nutritious and desirable food sources for deer and other wildlife during the winter months when other food supplies are scarce.

JACKPOT — Forage Turnip

Jackpot is a true forage turnip that exhibits multiple growing points (crowns) on top of the bulb to withstand grazing pressure unlike a purple top with one growing point. Smaller bulb to reduce hoofing out of soil. Seed at 5 lbs. /acre.

VIVANT — Hybrid Brassica

Vivant is a cross between a forage turnip and a forage rape. Vivant exhibits more of a tuber than a bulb and has 80% more leaf than a purple top turnip, which provides more feed. Seed at 5 lbs. /acre.

IMPACT — Forage Collards

Forage collards produce a significant amount of biomass that can be beneficial for adding organic matter to soils, or for livestock grazing. In a grazing situation, these collards rebound and regrow very well after grazing. Excellent choice for wildlife food plots. Seed at 10 lbs. / acre alone, or 2-3 lbs. / acre in mixes.

TROPHY — Rapeseed

Trophy rapeseed is a fast-growing brassica that is heat, cold, and drought tolerant. Trophy is a canola-type rape that produces large volumes of biomass with equal or higher feed values. Seed at 5 lbs. /acre
.

ENDURE — Forage Chicory

Endure is a true perennial forb that provides high forage quality and biomass. Very palatable and drought tolerant. Seed at 5 lbs. /acre.

DESSIE — Teff

Dessie is a warm-season annual grass variety developed for high forage production and forage quality without the problems of other summer annual grasses such as prussic acid or nitrate buildup. Dessie makes the ideal horse hay with great palatability, digestibility, and attractive green color which is important for the premium horse hay. Seed at 10 lbs. / acre.

COVER CROPS

SEEDWAY has developed a progressive cover crop program to benefit growers by providing seeds of individual species and mixtures that are high quality, professionally tested, and legally tagged. These mixtures of grass and legume species provide the potential for increased crop yields, disruption of disease & pest cycles, reduced soil erosion, increased water infiltration, and nutrient recycling. In addition to the soil benefits that cover crops provide, many species provide opportunities for grazing, haying, or ensiling a nutritious forage crop.

Cover Crop Benefits:

Weed Control – Seeding at higher rates or selecting species with dense leaf canopies will help suppress weeds.

Reduce Soil Compaction – Certain species create pilot holes to promote soil aeration, water infiltration, and better root penetration while others simply shatter the soil layers with their high-density root system.

Nutrient Mining – Some cover crops can capture up to 200 pounds of nitrogen before winterkill occurs.

Nematode Control – Natural bio fumigants are produced by a few plant species that can decrease nematode populations.

Organic Matter – Increase soil organic matter using species that produce a large amount of biomass that can be incorporated into the soil.

Erosion Control – Selecting species with quick germination and excellent ground cover will help eliminate wind and water erosion issues.

SEEDWAY, LLC cover crops can be custom blended into mixes to fit the needs and demands of your operation. Call your SEEDWAY Office, Territory Field Manager, or Retail Field Manager today for details.

COVER CROP HELP DESK

covercrops@seedway.com

Email SEEDWAY with questions on products, utilization, availability, pricing and more. A timely response will be given to your inquiry.

SEEDWAY®

FARM SEED

COVER CROPS

Mixtures

SW - PR

80% Winter Pea| 20% Eco-Till™ Radish

- Rapid establishment to prevent wind and water erosion.
- Fixes atmospheric nitrogen to increase soil nitrogen levels.
- Improves soil permeability for increased air and water penetration, reduces soil compaction, and increases root development potential.
- Recycles nutrients that would have been lost to leaching or runoff.
- Potential forage for fall grazing.
- Seed Rate: 25 lbs. per acre

SW - POR

50% Winter Pea | 40% Jerry Oats | 10% Eco-Till™ Radish

- Rapid establishment to prevent wind and water erosion.
- Improves soil permeability for increased air and water penetration, reduces soil compaction, and increases root development potential.
- Recycles nutrients that would have been lost to leaching or runoff.
- Fixes atmospheric nitrogen to increase soil nitrogen levels.
- Potential forage for fall and spring grazing, spring silage, or hay.
- Seed Rate: 50 lbs. per acre

SW - RYR

80% Fria Annual Ryegrass | 20% Eco-Till™ Radish

- Improves soil permeability for increased air and water penetration,
- Reduces soil compaction and increases root development potential.
- Recycles nutrients that would have been lost to leaching or runoff.
- Holds surface soil in place.
- Improves soil tilth which can benefit any crop that follows.
- Potential forage production for fall grazing.
- Seed Rate: 25 lbs. per acre

SW - TCR

80% Triticale | 10% Crimson Clover | 10% Eco-Till™ Radish

- Rapid establishment to prevent wind and water erosion.
- Recycles nutrients that would have been lost to leaching or runoff.
- Fixes atmospheric nitrogen to increase soil nitrogen levels.
- Improves soil permeability for increased air and water penetration, reduces soil compaction, and increases root development potential.
- Best used prior to corn, wheat, or other crops requiring significant nitrogen inputs.
- Potential forage for fall and spring grazing, spring silage, or hay.
- Seed Rate: 50 lbs. per acre

SW - RYC

80% Fria Annual Ryegrass | 40% Crimson Clover

- Rapid establishment to prevent wind and water erosion.
- Improves soil permeability for increased air and water penetration, reduces soil compaction, and increases root development potential.
- Fixes atmospheric nitrogen to increase soil nitrogen levels.
- Potential forage for fall and spring grazing, spring silage, or hay.
- Seed Rate: 25 lbs. per acre

SW - TRY

80% Tricale | 20% Fria Annual Ryegrass

- All grass mixture.
- Excellent forage for fall and spring grazing.
- Improves soil tilth which can benefit any crop that follows.
- Rapid establishment to prevent wind and water erosion.
- Seed Rate: 100 lbs. per acre

COVER CROPS

ANNUAL RYEGRASS

Fria is a late-maturing, widely adapted diploid annual ryegrass with exceptional cold tolerance and improved disease resistance. As a cover crop, Fria can break up natural and manmade hardpans with its deep root penetration when planted in a continuous no-till cropping rotation. Its fibrous root system provides the ability to capture and keep nitrogen and phosphorus in the soil profile following manure applications preventing nutrient runoff. Large amounts of biomass can be returned to the soil to improve organic matter, or can be utilized as a fall and spring forage source for livestock. Seeding rate 30-40 lbs./acre alone, and 15-20 lbs./acre in mixes.

CRIMSON CLOVER

Crimson clover is an annual clover that has erect stems, grows more quickly, and has larger seeds than the more commonly used red clover. Crimson clover's primary advantages are rapid growth during cool weather and shade tolerance. Crimson clover can be planted early in the spring or fall for weed control, overseeded in corn at second cultivation, or in soybeans at leaf drop. Because of its shade tolerance, crimson clover is also effective as a living ground cover in orchards. Crimson clover has been used effectively to suppress weeds when planted in the early fall, following a short season crop such as potatoes, snap beans, vegetables, or following winter wheat. Planting with a grass or cereal gives additional weed control in these situations. Seeding rate 20-30 lbs./acre alone, and 5-10 lbs./acre in mixes.

DAIKON RADISH

Eco-Till™ radish is a true variety that ensures consistency and produces more root mass than turnips or mustards. This extra-large root system allows Eco-Till™ to pull nitrogen and other nutrients from deep within the soil and bring them back to the surface. Upon decomposition, the nitrogen and other nutrients become available to the next cash crop. Eco-Till™ radish reduces soil compaction and increases soil organic matter. Seeding rate 8-15 lbs./acre alone, and 2-7 lbs./acre in mixes.

PHACELIA

Phacelia is native to the United States but was adopted and improved by Europeans for use as a cover crop. Phacelia is quick to establish and will winter kill at 18° F. Phacelia is an excellent source of high-quality nectar and pollen which increases the population and diversity of beneficial insects. Phacelia will begin to flower 6-8 weeks after emergence and will continue to flower for 4-6 weeks. Phacelia is comparable to buckwheat in many ways but is more tolerant to cold and drought. Phacelia can also be used for forage, a green manure crop, nematode control, and a nitrogen trap crop. Seeding rate 7-18 lbs./acre alone, and 5-9 lbs./acre in mixes.

SUNN HEMP

Sunn Hemp is typically utilized as a green manure crop due to its nitrogen accumulation along with high fiber content. The large amount of biomass that is produced can be used as a nontoxic forage source for animals. Sunn hemp has a vigorous growth habit and is somewhat drought tolerant giving it the opportunity to thrive under various soil and environmental situations. Its value as a cover crop is due to its biomass production, N accumulation, reduced pests and pathogen infestations, and weed suppression. Residue can be very fibrous. Seeding rate 30-50 lbs./acre alone, and 10-20 lbs./acre in mixes.

BUCKWHEAT

Buckwheat, when used as a cover crop, can reduce both the emergence and growth of weeds, thereby providing an easy and economical alternative to herbicides. Buckwheat is a short-duration, broad-leaved, annual species which provides effective weed suppression due to its rapid early growth that establishes a canopy faster than many weeds. Residue breaks down easily. Seeding rate 50-60 lbs./acre alone, and 5-10 lbs./acre in mixes.

HAIRY VETCH

Purple Bounty is a winter hardy, early maturing hairy vetch variety developed for high nitrogen fixation, increased biomass for a thicker mulch, and earlier flowering for more flexibility in planting succeeding crops. Hairy vetch forms ground cover slowly in the fall, but root development continues throughout the winter with substantial biomass production in the spring. For best results, Purple Bounty should be in full bloom to allow for peak nitrogen contribution and to mow, roll or spray for maximum vetch kill. Spring oats or winter grains can also be planted with Purple Bounty to act as a protective cover for improved winter survival an increased erosion control. Purple Bounty is an excellent cover crop for nitrogen fixation, erosion control, biomass, and weed suppression. Seeding rate 20-30 lbs./ acre alone, and 10 lbs./acre in mixes.

TRITICALE

Triticale is a true breeding small forage grain developed initially from the hybridization of wheat and rye. The name 'triticale' is derived from the combined scientific names of the two crop species wheat and rye. The versatility that triticale offers as forage, straw, and cover crop, adds to the economic viability that sustains the interest in this crop. Seeding rate 90-120 lbs./acre alone, and 40-90 lbs./acre in mixes.

OATS

Oats are very versatile as they can be planted during various times of the season and used as an excellent cover and forage crop. Oats work well alone, but especially well in mixes with radishes, turnips, berseem clover, crimson clover, and Austrian winter peas. Oats perform well for erosion control and are very good nutrient scavengers. Oats (and mixes with radishes or turnips) work very well for manure nutrient management. Seeding rate 64-120 lbs./acre alone, and 20-90 lbs./acre in mixes.

COVER CROP RECOMMENDATIONS FOR SPECFIC USE

For Specific Purpose	SW-PR	SW-POR	SW-TCR	SW-RyR	SW-RyC	SW-TRy	Daikon Radish	Brassi-cas	Buck-wheat	Winter Peas	Cereal Rye	Annual Ryegrass	Oats	Triticale	Crimson Clover	Hairy Vetch	Phacelia	Sunn Hemp
Organic Matter	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x
Nitrogen Fixation	x	x	x		x					x					x	x	x	x
Nutrient Recapture	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
Requires No Herbicide To Kill	x	x					x	x		x						x		x
Reduce Soil Compaction	x	x	x	x	x	x	x	x				x				x		x
Quick Forage/Graze	x	x	x	x	x	x	x	x			x	x	x	x	x			
Droughty Soils									x									x
Hay Crop				x		x					x		x	x	x			
Weed Control	x	x	x	x	x	x	x	x	x		x			x		x		x
Enhance No-Till		x	x	x	x	x	x	x			x	x	x	x		x		
Prevent Soil Erosion	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	x		x
Tolerate Wet Soils			x	x							x	x	x	x	x			
Cold Tolerant			x	x	x	x	x	x	x	x	x	x	x	x	x	x	x	
Nurse Crop									x		x		x	x				
Broadcast Seeding		x	x	x	x	x	x	x			x	x	x	x	x	x		x
Nematode Control	x	x	x	x			x	x									x	
Seeding Rate Alone	25#/A	50#/A	50#/A	25#/A	25#/A	100#/A	8-15#/A	2-8#/A	50-60#/A	40-50#/A	90-120#/A	30-40#/A	64-120#/A	90-120#/A	20-30#/A	20-30#/A	7-18#/A	30-50#/A
Seeding Rate In Mix							2-7#/A	2-6#/A	5-10#/A	20-30#/A	60-90#/A	15-20#/A	20-90#/A	40-90#/A	5-10#/A	10#/A	5-9#/A	10-20#/A
Seeding Depth	1/4" - 1/2"	1/4" - 1/2"	1/4" - 1/2"	1/4" - 1/2"	1/4" - 1/2"	1/4" - 1/2"	1/4" - 1/2"	1/4" - 1/2"	1/2" - 1"	1/2" - 1"	1"- 2"	1/4" - 1/2"	1"- 2"	1"- 2"	1/4" - 1/2"	1"	1/4"	1/2"

POLLINATOR MIXES

Honeybees and other beneficial pollinators are responsible for the pollination of our crops and vegetables. with the decline in population of pollinators, it is our responsibility to help provide the habitat needed to ensure that pollinators succeed. SEEDWAY, LLC has three pollinator mixtures available to help provide that beneficial habitat.

SW ANNUAL POLLINATOR MIX

Annual Pollinator Mix

SW Annual Pollinator Mix is formulated to be a beneficial pollinator mix, but an excellent cover crop mix that will build the soil with nitrogen and organic matter. Since the mix is annual, timing is important for proper planting time, and should be sown early enough to have bloom for the pollinator species. Spring planting or early fall is ideal. Seed at 25-30 lbs. per acre.

EASTERN POLLINATOR MIX

Annual/Perennial Pollinator Mix

Formulated for the eastern United States and southeast Canada where pollinator conservation is desired. The best times to plant are spring, early summer, and fall. Seed at 11-22 lbs. per acre.

MONARCH BUTTERFLY MIX

Annual/Perennial Pollinator Mix

This mixture is composed of nectar-producing flowers for adult butterflies as well as milkweed which will provide egg-laying sites and food for monarch caterpillars. Plant in spring, early summer, and fall. Seed at 11-22 lbs. per acre.

CHR HANSEN

Improving food & health

The main purpose for feeding ensiled forages is to preserve and recover organic dry matter, while retaining nutritional value and palatability.

Ensiled forages account for the majority of most dairy rations around the world. The main purpose for feeding ensiled forages is to preserve and recover organic dry matter, while retaining nutritional value and palatability. Proper or improved silage management can have a significant impact on the overall profitability of the dairy.

The Nutrient Scorecard™

The difference between a dairy operation and a smarter dairy farm operation is often the ability to collect data, analyze it, and then act on insights. CHR Hansen has the tools to help you get the most out of data analysis so you can improve starch and fiber digestion, minimize forage loss, and increase bottom line profitability. We call it “The Nutrient ScorecardTM.” This program gives farmers a scientific scorecard summary of the status of their silage and their herds nutritional performance, along with recommendations for improving milk production and herd digestion. With The Nutrient ScorecardTM you will know the score and can identify specific problems. It gives you the data and insights you need to make measurable improvements in your operations.

SILOSOLVE® FC

FUNGAL CONTROL

Heating of silage largely due to the growth of yeast and mold is problematic for feed out. Certain molds produce harmful mycotoxins which may compromise production & health of animals. Another challenge could be feed shortage, forcing farmers to initiate feed out well in advance of the optimum 90 days of fermentation. This is problematic as it will not allow the silage to reach a stable stage. The risk of heating & loss of valuable nutrients may jeopardize milk production & could lead to a severe economic impact.

Benefits

- **Excellent fermentation and aerobic stability obtained even at early feed out**
- **Fast growing and competitive lactic acid bacteria that dominate and control the fermentation**
- **Oxygen scavenging ability**

Crops

- **Haylage**
- **Small Grain Silage**
- **Corn Silage**
- **HMSC/ HMEC**
- **Earlage & Snaplage**

SILOSOLVE® MC

MICROBIAL CONTROL

Clostridia grow in wet silage when there is a lack of oxygen. Growth of clostridia leads to breakdown of protein and butyric-acid production. Silage with clostridia has a strong butyric-acid smell and elevated pH, which can reduce palatability. SILOSOLVE® MC contains three strains of lactic-acid bacteria. One patented strain reduces undesirable micro-organisms such as clostridia. The others improve overall fermentation.

Benefits

- **Reduced clostridial fermentation**
- **Improved dry matter recovery**
- **Improved fermentation and digestibility**
- **Reduced ammonia and protein degradation**
- **Improved palatability**

Crops

- **Haylage**
- **Small Grain Silage**
- **Corn Silage**

BIOMAX®

Biomax® is a versatile inoculant to enhance fermentation and reduce spoilage organisms. Contains the well-proven Lactobacillus plantarum CH6072 from our Biomax® and SiloSolve® brands, and features enhanced acidification from Lactobacillus plantarum LSI. In addition we have included Pediococcus pentosaceus P6 to speed the fermentation process.

Benefits

- **Improves fermentation**
- **Performs exceptionally well in corn silage**
- **Inhibits a range of yeasts and molds**

Crops

- **Corn Silage**
- **HMSC/ HMEC**
- **Earlage**
- **Snaplage**

REGIONAL TESTING. REAL RESULTS.

SEEDWAY®
FARM SEED

SEEDWAY is committed to ensuring every product in our line-up is thoroughly tested in the markets we serve. We conduct rigorous on-farm plot tests and participate in state university trials within our market footprint. At SEEDWAY each season we initiate an aggressive testing program to verify that every acre of SEEDWAY seed products is worthy of a spot on your farm. Simply put, WE KNOW IT BECAUSE WE GROW IT.

To access plot reports by year and crop types to see how our varieties are performing in your area visit
https://www.seedway.com/seedway-crop-reports/
Then talk to your SEEDWAY Representative or SEEDWAY Partner about the right hybrids and varieties to drive success on your farm!

LETS GET SOCIAL!

SEEDWAY®

FARM SEED