INTEGRA
FORTIFIED SEED

2022 Seed Guide

WILBUR-ELLIS
AGRIBUSINESS

Contents

INTEGRA FORTIFIED SEED

INTEGRA FORTIFIED SEED • 87194 494th Ave, O'Neill, NE 68763 • Phone: 402-336-1250 • INTEGRAseed.com

Welcome

Thank you for considering INTEGRA for your acres for 2022!

I know firsthand that annually evaluating your seed can be overwhelming. Every year, more and more pressures come with making the right decision to maximize your yield. 2021 has been a year full of obstacles, and growers have faced countless challenges, but one thing is for certain: The world of agriculture is made of hard workers, and the resilience of the grower drives us forward.

We source genetics and traits from all over the world, making sure to thoroughly ground test it all before putting it into the INTEGRA bag to fit your acres. At Wilbur-Ellis, we are relentless in finding solutions that will help drive your overall profitability.

Our seed support system includes everything you need for success: our people, a full suite of products and services, and our own proprietary Ag software to ensure that each seed you plant is INTEGRA-quality. So, power your modern farm with INTEGRA Precision Engineered Seed.

BJ Schaben
National Director of Seed

Backed by technology and globally sourced germplasm, INTEGRA® Seed puts agronomic experience to work, offering tailored seed solutions for local needs – right down to your very field.

Our experts take the time to select genetics and innovative traits so you can be sure you're getting the best from the beginning. When a product makes it all the way through the advancement process, that hybrid or variety has already gone through 5-6 years of local testing. It's a very rigorous process to ensure you get only the best.

These experts know how to examine, pinpoint, and address local and regional soils, climate, pests, diseases, and end-use markets. Then they put that knowledge to use, tapping the best trait technology to protect your yields from weeds and pests by using genetics that thrive in your local market.

Because our growers are positioned across very diverse regions of the country with very diverse needs, Wilbur-Ellis seed leverages genetics from truly global genetic pools. We also have partnership agreements with all trait providers as well. This combination of global genetics, elite seed technologies, and local expertise is the core of our success.

Most seed companies know the importance of putting in the effort to advance their technologies. But with Wilbur-Ellis you have a few key advantages over the competition:

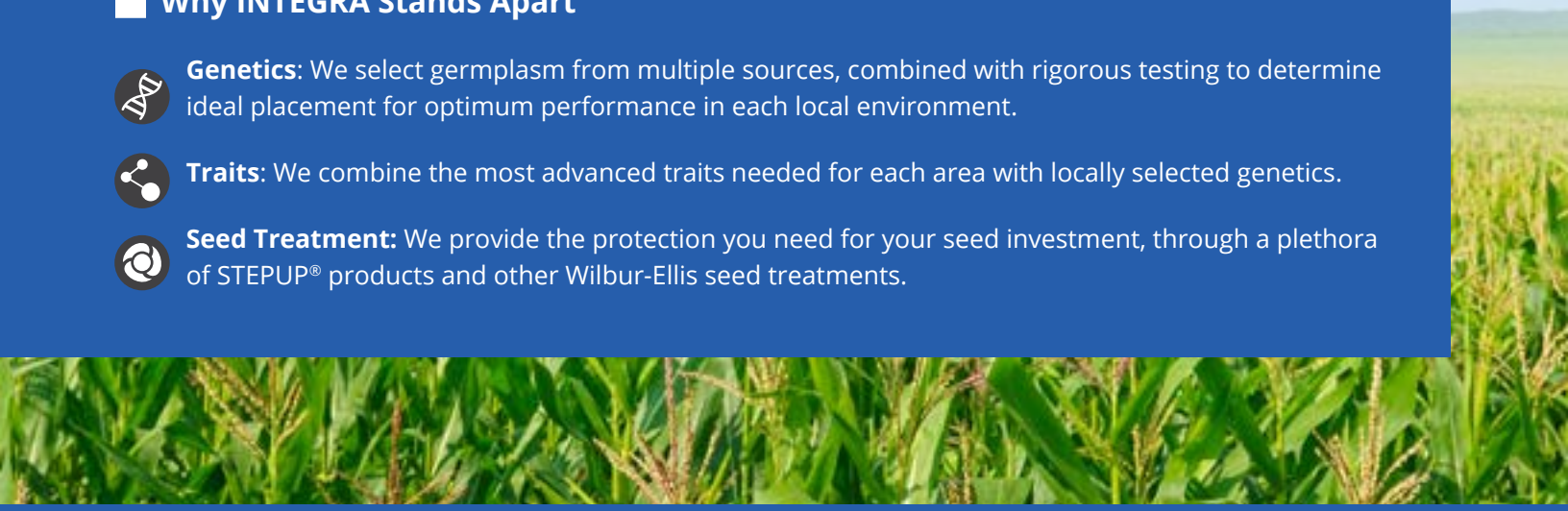
1. We have a deep understanding of crop protection products, pesticide applications, and what that relationship with seed technologies means for you.
2. Our deep relationships with organizations that guide production agriculture (Bayer, Corteva, Syngenta, BASF) allow us to be on the forefront of new technologies and trend paradigm shifts.
3. We have the scale to make things happen, but with the people and local expertise to truly provide a solution for you — not just a catch-all silver bullet.

Why INTEGRA Stands Apart

Genetics: We select germplasm from multiple sources, combined with rigorous testing to determine ideal placement for optimum performance in each local environment.

Traits: We combine the most advanced traits needed for each area with locally selected genetics.

Seed Treatment: We provide the protection you need for your seed investment, through a plethora of STEPUP® products and other Wilbur-Ellis seed treatments.



INTEGRA CORN

HYBRIDS ARE CAREFULLY SELECTED FOR OPTIMUM PERFORMANCE

INTEGRA corn delivers through its focus on agronomics and LOCAL performance. An extensive library of genetics and traits are evaluated each year to match performance with each region's unique agronomic needs. INTEGRA corn hybrids are carefully selected after vigorous, local testing through its family of WEGROW TRIALS. Through its WEGROW TRIALS network, INTEGRA optimizes hybrid and grower performance with best placement and management recommendations.

INTEGRA FORTIFIED SEED

WEGrow TRIALS

INTEGRA Brand Corn Hybrid Numbering System

Current **3009**

30 + 50 = 80 Relative Maturity

Prior to 2014 **9678**

67 + 50 = 117 Relative Maturity

Add 50 to the highlighted number (the first and second digits) for relative maturity. Products released prior to 2014 use the second and third digits as shown above right.

Note: The relative maturity ratings on new hybrids are based on initial data and may change as more data are collected. However, the hybrid name will stay the same.

Value-Added Trait Technology

R	Roundup Ready® Corn 2
VT2P	VT Double PRO®
VT2P RIB	VT Double PRO® RIB Complete® Corn Blend
DGVT2P RIB	DroughtGard® Hybrids with VT Double PRO® RIB Complete® Corn Blend
GSS	SmartStax®
GSS RIB	SmartStax® RIB Complete® Corn Blend
Trecepta	Trecepta®
Trecepta RIB	Trecepta® RIB Complete®
3010A	Agrisure Artesian® 3010A
3110	Agrisure Viptera® 3110
3120A E-Z	Agrisure Artesian® 3120A E-Z Refuge®
5222 E-Z	Agrisure Duracade® 5222 E-Z Refuge®
CONV	Conventional

Agronomics Ratings Key

For complete ratings of each offering, visit INTEGRAseed.com

All agronomic characteristics and ratings may vary with growing conditions and environment. Ratings are approximate and should not be considered as absolute. Ratings on new hybrids are based on limited data and may change as more data are collected. Extreme conditions may adversely affect hybrid performance. The relative maturity of one hybrid to another remains reasonably constant; however, the actual number of calendar days from seeding to physiological maturity varies with date of planting, planting rate, temperature, day length, soil fertility, and other environmental factors.

Roundup Ready® CORN 2

VTDoublePRO®

VTDoublePRO® RIB COMPLETE®

DroughtGard® HYBRIDS
VTDoublePRO® RIB COMPLETE®

SmartStax®

SmartStax® RIB COMPLETE®

Trecepta®

Trecepta® RIB COMPLETE®

Agrisure Artesian® 3010A

Agrisure Viptera® 3110

Agrisure Artesian® 3120A E-Z Refuge®

Agrisure Duracade® 5222 E-Z Refuge®

Roundup Ready® 2 TECHNOLOGY

LIBERTY LINK®

RESPECT THE REFUGE®

Insect Resistance Management
Planting Refuges, Preserving Technology

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

2508

Traits: RR2

75 RM

Staygreen	Very Good
Greensnap	Very Good
Stalks	Excellent
Roots	Excellent

- Excellent western moving hybrid with early flowering and good dry down
- Very good seedling vigor for early planting or reduced tillage systems

Early Vigor	Very Good
Drought Tolerance	Above Avg
Test Weight	Excellent
Silage	Poor

- Rugged hybrid with good yield potential
- Flinty, heavy test weight grain
- Keep in zone for best performance

2803

Traits: VT2P RIB

78 RM

Staygreen	Excellent
Greensnap	Above Avg
Stalks	Very Good
Roots	Excellent

- High-yielding hybrid best placed in high yield environments, including irrigated acres
- Very good dry down characteristics

Early Vigor	Above Avg
Drought Tolerance	Average
Test Weight	Above Avg
Silage	Very Good

- Very strong root and stalk strength
- Best performance in zone
- Dual-purpose potential

3009

Traits: VT2P RIB, RR2

80 RM

Staygreen	Average
Greensnap	Above Avg
Stalks	Very Good
Roots	Very Good

- Broadly adapted hybrid for the Upper Midwest with excellent western movement
- Flowers early for RM with good field dry down

Early Vigor	Very Good
Drought Tolerance	Above Avg
Test Weight	Above Avg
Silage	Below Avg

- Strong agronomics including *Goss's wilt*
- Very good performance in the RRV or western dryland

3282

Traits: VT2P RIB, RR2

82 RM

Staygreen	Above Avg
Greensnap	Above Avg
Stalks	Very Good
Roots	Very Good

- Impressive top-end yield potential
- Very good test weight with good dry down
- Strong stalks and root strength

Early Vigor	Excellent
Drought Tolerance	Very Good
Test Weight	Very Good
Silage	N/A

- Widely adapted across soils and yield environments
- Excellent seedling vigor for early planting or reduced tillage systems

3431

Traits: VT2P RIB

84 RM

Staygreen	Very Good
Greensnap	Very Good
Stalks	Excellent
Roots	Very Good

- Impressive addition to the early to mid 80 RM group with strong agronomics
- Emergence and vigor was easy to spot in 2019. That's saying a lot!

Early Vigor	Very Good
Drought Tolerance	Very Good
Test Weight	Above Avg
Silage	N/A

- Strong overall health package, including *Goss's wilt*
- Performance carries across soils and yield environments with good western movement

3537

Traits: VT2P RIB, RR2

85 RM

Staygreen	Very Good
Greensnap	Very Good
Stalks	Very Good
Roots	Excellent

- Proven lead product for maturity
- Widely adapted across soils and yield environments with excellent western and southern movement

Early Vigor	Very Good
Drought Tolerance	Very Good
Test Weight	Very Good
Silage	Average

- Impressive top-end yield with very good dry down
- Strong root and stalk strength

3629

Traits: VT2P RIB

86 RM

Staygreen	Very Good
Greensnap	Above Avg
Stalks	Very Good
Roots	Above Avg

- Attractive hybrid with excellent top-end yield potential
- Very good early vigor for no-till or reduced tillage

Early Vigor	Very Good
Drought Tolerance	Above Avg
Test Weight	Above Avg
Silage	Above Avg

- Strong stalks that allow intensive mgmt
- Ability to handle stress expands positioning into tougher environments
- Good southern movement

3718

Traits: VT2P RIB

87 RM

Staygreen	Above Avg
Greensnap	Above Avg
Stalks	Very Good
Roots	Above Avg

- Tough, rugged hybrid with impressive top-end yield potential
- Excellent emergence and early vigor for planting into cool soils or reduced tillage

Early Vigor	Excellent
Drought Tolerance	Very Good
Test Weight	Above Avg
Silage	Very Good

- Easy movement east to west with good southern movement as well
- Very good Northern Corn Leaf Blight tolerance

4041

Traits: VT2P RIB

90 RM

Staygreen	Below Avg
Greensnap	Very Good
Stalks	Very Good
Roots	Excellent

- Top-end yield with performance east to west and across environments
- Low greensnap risk and strong *Goss's wilt* allow easy western movement

Early Vigor	Very Good
Drought Tolerance	Above Avg
Test Weight	Average
Silage	Above Avg

- Emergence and vigor was easy to spot in 2019. That's saying a lot!
- Strong roots with performance on poorly drained soils

4119

Traits: VT2P RIB, RR2

91 RM

Staygreen	Above Avg
Greensnap	Very Good
Stalks	Very Good
Roots	Excellent

- Widely adapted hybrid across soils and yield environments
- Best performance on above average to High-yielding environments

Early Vigor	Excellent
Drought Tolerance	Very Good
Test Weight	Average
Silage	Below Avg

- Excellent stalks and roots and good fall intactness allow extended harvest window
- Very strong emergence and vigor for early planting or reduced tillage

4311

Traits: VT2P RIB

93 RM

Staygreen	Very Good
Greensnap	Very Good
Stalks	Very Good
Roots	Very Good

Early Vigor	Excellent
Drought Tolerance	Very Good
Test Weight	Average
Silage	Very Good

- East to west adaptability with ability to go top-end to tough acre
- Low greensnap risk and strong *Goss's wilt* allow easy western movement
- Emergence and vigor was easy to spot in 2019. That's saying a lot!
- Responsive to added management
- Dual-purpose potential

4342

Traits: VT2P RIB, RR2

93 RM

Staygreen	Average
Greensnap	Above Avg
Stalks	Very Good
Roots	Very Good

Early Vigor	Very Good
Drought Tolerance	Very Good
Test Weight	Above Avg
Silage	Very Good

- Excellent top-end yield potential with multiple years of performance
- Widely adapted east to west across soils and yield environments
- Strong early vigor for planting into cool soils or reduced tillage
- Good drought and stress tolerance allowing movement onto tougher acres

4509

Traits: VT2P RIB

95 RM

Staygreen	Very Good
Greensnap	Very Good
Stalks	Very Good
Roots	Very Good

Early Vigor	Average
Drought Tolerance	Very Good
Test Weight	Average
Silage	Excellent

- Widely adapted hybrid across soils and yield environments with strong agronomics
- Very good staygreen and late-season intactness
- Consistent ear set within row
- Very strong *Goss's wilt* tolerance
- Dual-purpose potential

4601

Traits: VT2P RIB

96 RM

Staygreen	Above Avg
Greensnap	Average
Stalks	Excellent
Roots	Excellent

Early Vigor	Very Good
Drought Tolerance	Above Avg
Test Weight	Very Good
Silage	Above Avg

- Let's go Big 10 Country!
- Tough acre to top-end placement
- Performance across soil types
- Very strong stalks and rooting strength
- Tar spot tolerance!
- Emergence and vigor easy to spot in 2019. That's saying a lot!

4702

NEW

Traits: VT2P RIB

97 RM

Staygreen	Above Avg
Greensnap	Above Avg
Stalks	Above Avg
Roots	Above Avg

Early Vigor	Very Good
Drought Tolerance	Above Avg
Test Weight	Above Avg
Silage	Above Avg

- Attractive, High-yielding hybrid with agronomics to cover big acres
- Good *Goss's Wilt* and lower greensnap risk allow for easy Western movement
- West to East adaptability with good movement both North and South of zone
- Strong performance in Western & Central regions

4888

Traits: VT2P RIB, GSS RIB

98 RM

Staygreen	Very Good
Greensnap	Above Avg
Stalks	Very Good
Roots	Above Avg

- Attractive hybrid that is widely adapted across soil and yield environments
- Staygreen, plant health & overall agronomics allow for extended harvest window

Early Vigor	Very Good
Drought Tolerance	Above Avg
Test Weight	Above Avg
Silage	Above Avg

- Very agronomically sound hybrid
- Very good movement N and S of zone
- Potential early corn for Kansas

5081

Traits: DGVT2P RIB, Conv

100 RM

Staygreen	Above Avg
Greensnap	Very Good
Stalks	Excellent
Roots	Very Good

- Consistent, widely adapted hybrid across soils and environments
- Tough, gutsy hybrid with high yield potential
- Outstanding stalks and rooting strength

Early Vigor	Very Good
Drought Tolerance	Very Good
Test Weight	Average
Silage	Below Avg

- Strong *Goss's wilt*, greensnap, and drought tolerance make for easy W movement
- Good southern movement with potential early corn for Kansas

5052

NEW

Traits: VT2P RIB, GSS RIB

100 RM

Staygreen	Average
Greensnap	Very Good
Stalks	Very Good
Roots	Very Good

- Super attractive hybrid with next level yield potential
- Extremely consistent ear set and performance

Early Vigor	Excellent
Drought Tolerance	Average
Test Weight	Above Avg
Silage	N/A

- Impressive rooting and stalk strength
- Lower greensnap risk
- Excellent early vigor for reduced tillage or cool soils

5280

Traits: VT2P RIB, GSS RIB, Conv

102 RM

Staygreen	Very Good
Greensnap	Very Good
Stalks	Very Good
Roots	Very Good

- Very attractive hybrid that is widely adapted across soils and environments
- Extremely consistent ear set and performance

Early Vigor	Excellent
Drought Tolerance	Very Good
Test Weight	Above Avg
Silage	Above Avg

- Plant health, agronomics, and intactness is second to none
- Excellent emergence and vigor for early planting or reduced tillage

5351

Traits: 3110, 5222 E-Z

103 RM

Staygreen	Above Avg
Greensnap	Very Good
Stalks	Above Avg
Roots	Above Avg

- Attractive hybrid with performance to cover big acres!
- Emergence and vigor was easy to spot in 2019. That's saying a lot!

Early Vigor	Excellent
Drought Tolerance	Above Avg
Test Weight	Very Good
Silage	Very Good

- Widely adapted hybrid; good stress tolerance and ability to handle wet soils
- Low greensnap risk and good *Goss's Wilt* tolerance promotes good W movement

5529

Traits: GSS RIB, VT2P RIB

105 RM

Staygreen	Very Good
Greensnap	Very Good
Stalks	Very Good
Roots	Above Avg

Early Vigor	Above Avg
Drought Tolerance	Above Avg
Test Weight	Excellent
Silage	Above Avg

- Widely adapted east to west across soils and yield environments
- Very good *Goss's wilt* and greensnap tolerance promotes good W movement
- Very good staygreen & late-season intactness
- Excellent test weight and grain quality
- Very responsive to added management and split nitrogen applications

5682

NEW

Traits: VT2P RIB

106 RM

Staygreen	Above Avg
Greensnap	Very Good
Stalks	Average
Roots	Very Good

Early Vigor	Above Avg
Drought Tolerance	Very Good
Test Weight	Above Avg
Silage	N/A

- Exciting yield potential and eye-catching in-season plant style
- Low greensnap risk and strong *Goss's Wilt* allow easy Western movement
- Very responsive to fungicide and added management
- Position for front half of harvest
- Good Southern movement for RM

5719

Traits: VT2P RIB

107 RM

Staygreen	Average
Greensnap	Very Good
Stalks	Above Avg
Roots	Very Good

Early Vigor	Very Good
Drought Tolerance	Average
Test Weight	Above Avg
Silage	Below Avg

- Tremendous top-end yield potential
- Strong roots and low greensnap risk
- Very good movement east to west
- Caution placement on farms and regions with history of *Goss's wilt*
- Good emergence and early vigor for early planting or reduced tillage

5770

Traits: GSS RIB

107 RM

Staygreen	Very Good
Greensnap	Excellent
Stalks	Very Good
Roots	Very Good

Early Vigor	Above Avg
Drought Tolerance	Very Good
Test Weight	Very Good
Silage	Average

- Attractive hybrid with exceptional agronomics and consistency across soils and yield environments
- Eye-catching plant health and staygreen
- Strong western characteristics showing excellent greensnap and *Goss's wilt* tolerances
- Excellent choice for continuous corn acres

5802

NEW

Traits: VT2P RIB

108 RM

Staygreen	Average
Greensnap	Above Avg
Stalks	Very Good
Roots	Average

Early Vigor	Very Good
Drought Tolerance	Above Avg
Test Weight	Average
Silage	Very Good

- Next level yield!
- Widely adapted hybrid that moves N to S as well as W to E
- Dual-purpose potential
- Lower greensnap risk and good *Goss's Wilt* allow for easy Western movement
- Best positioned on average to High-yielding farms

5939

Traits: VT2P RIB, GSS RIB, Conv

109 RM

Staygreen	Above Avg
Greensnap	Very Good
Stalks	Very Good
Roots	Excellent

- Excellent agronomics paired with impressive top-end yield potential
- Tremendous roots w/ very good stalk strength
- Low greensnap risk

Early Vigor	Excellent
Drought Tolerance	Above Avg
Test Weight	Very Good
Silage	Average

- Good staygreen and impressive late-season intactness
- Strong emergence and early vigor for early planting or reduced tillage

6061

Traits: Tre RIB, GSS RIB

110 RM

Staygreen	Average
Greensnap	Very Good
Stalks	Above Avg
Roots	Very Good

- All about yield!
- Awesome W. Corn Belt hybrid with low greensnap risk & strong *Goss's wilt* tolerance
- Best positioned in high yield environments

Early Vigor	Above Avg
Drought Tolerance	Average
Test Weight	Above Avg
Silage	N/A

- Performance east to west with good southern movement for RM
- Very responsive to fungicide and split nitrogen applications

6181

Traits: 3120A E-Z

111 RM

Staygreen	Average
Greensnap	Very Good
Stalks	Very Good
Roots	Average

- True flex style hybrid with consistency across yield environments
- Best performance on the book-ends; Western Corn Belt and Eastern Corn Belt

Early Vigor	Above Avg
Drought Tolerance	Very Good
Test Weight	Above Avg
Silage	Very Good

- Low greensnap risk and strong *Goss's wilt* allows good western movement
- Exceptional stalk strength
- Good overall disease package

6162

NEW

Traits: VT2P RIB

111 RM

Staygreen	Average
Greensnap	Average
Stalks	Above Avg
Roots	Above Avg

- Attractive, widely adapted hybrid with performance across soils and yield environments
- Good Southern movement for RM

Early Vigor	Average
Drought Tolerance	Very Good
Test Weight	Excellent
Silage	N/A

- Best performance Central & Eastern regions
- Excellent drydown
- Strong rooting and stalk strength

6284

Traits: VT2P RIB, GSS RIB, RR2

112 RM

Staygreen	Above Avg
Greensnap	Above Avg
Stalks	Above Avg
Roots	Very Good

- Attractive, widely adapted hybrid with excellent top-end yield potential
- Excellent late-season intactness

Early Vigor	Very Good
Drought Tolerance	Above Avg
Test Weight	Very Good
Silage	Above Avg

- Responsive to high yield management
- Very good emergence and vigor for early planting or reduced tillage

6342

Traits: Tre, Tre RIB

113 RM

NEW

Staygreen	Average
Greensnap	Average
Stalks	Above Avg
Roots	Very Good

Early Vigor	Above Avg
Drought Tolerance	Very Good
Test Weight	Very Good
Silage	Very Good

- Unique combination of bottom-end torque and offensive, top-end yield potential
- Best positioning is Central and Eastern regions with excellent S. movement
- Attractive, robust plant style with good canopy closure
- Semi-flex ear type with impressive test weight and grain quality

6410

Traits: VT2P RIB, GSS, GSS RIB

114 RM

Staygreen	Average
Greensnap	Above Avg
Stalks	Very Good
Roots	Very Good

Early Vigor	Excellent
Drought Tolerance	Above Avg
Test Weight	Excellent
Silage	N/A

- Very consistent performance east to west across soils and yield environments
- Strong emergence and early vigor for planting into cool soils or reduced tillage
- Very good southern movement
- Impressive test weight and grain quality
- Strong root and stalk strength

6400

Traits: VT2P RIB, VT2P, GSS

114 RM

Staygreen	Very Good
Greensnap	Very Good
Stalks	Above Avg
Roots	Above Avg

Early Vigor	Excellent
Drought Tolerance	Very Good
Test Weight	Very Good
Silage	Below Avg

- Versatile hybrid that will perform in variety of soil types and yield environments
- Very good staygreen and late-season intactness provide extended harvest window
- Impressive top-end yield potential
- Good heat and drought-stress tolerance allows movement into tough environments
- Very good husk coverage

6474

Traits: DGVT2P RIB

114 RM

Staygreen	Above Avg
Greensnap	Excellent
Stalks	Above Avg
Roots	Above Avg

Early Vigor	Above Avg
Drought Tolerance	Excellent
Test Weight	Above Avg
Silage	Very Good

- Outstanding top-end yield potential
- Exceptional *Goss's wilt* and greensnap tolerance
- Excellent yield response under irrigation
- Proven performance under drought stress and will keep plant and ear height up
- Very responsive to added management and split nitrogen applications

6555

Traits: VT2P RIB

115 RM

Staygreen	Above Avg
Greensnap	Excellent
Stalks	Excellent
Roots	Very Good

Early Vigor	Very Good
Drought Tolerance	Above Avg
Test Weight	Above Avg
Silage	N/A

- Agronomics plus consistency across environments!
- Widely adapted east to west, but performance lifts with western movement
- Low greensnap risk and strong *Goss's wilt* allows good western movement
- Best performance Western Corn Belt through Southern Plains

6533

Traits: VT2P RIB, VT2P, RR2

115 RM

Staygreen	Above Avg
Greensnap	Average
Stalks	Very Good
Roots	Above Avg

- Consistent performance across soil types and yield environments
- Very good grain quality and test weight
- Very good stalks and roots

Early Vigor	Above Avg
Drought Tolerance	Very Good
Test Weight	Very Good
Silage	Above Avg

- Good tolerance to heat and drought stress
- Good overall disease package, including *Goss's wilt*

6588

Traits: VT2P RIB, VT2P, GSS RIB, Conv

115 RM

Staygreen	Excellent
Greensnap	Above Avg
Stalks	Excellent
Roots	Excellent

- Widely adapted hybrid across soils and yield environments
- Outstanding late-season intactness
- Very strong stalks and rooting strength

Early Vigor	Very Good
Drought Tolerance	Very Good
Test Weight	Excellent
Silage	Above Avg

- Excellent grain quality and test weight for possible food grade
- Very good stress tolerance for tough acre placement

6540

Traits: Tre

115 RM

Staygreen	Above Avg
Greensnap	Average
Stalks	Very Good
Roots	Very Good

- Exciting hybrid for Central and Southern Texas with Trecepta®
- Very good agronomics including root and stalk strength

Early Vigor	Excellent
Drought Tolerance	Above Avg
Test Weight	Above Avg
Silage	N/A

- Strong plant health package
- Impressive early vigor

6695

Traits: Tre, Tre RIB

116 RM

Staygreen	Above Avg
Greensnap	Above Avg
Stalks	Excellent
Roots	Excellent

- Widely adapted Trecepta® hybrid across soils and yield environments with extremely consistent ear within row
- Exceptional overall agronomics

Early Vigor	Very Good
Drought Tolerance	Above Avg
Test Weight	Very Good
Silage	Above Avg

- Improved greensnap and good *Goss's wilt* allow for western movement
- Very good emergence and vigor for early planting or reduced tillage

6621

Traits: GSS, DGVT2P RIB

116 RM

Staygreen	Above Avg
Greensnap	Above Avg
Stalks	Very Good
Roots	Very Good

- Consistent, widely adapted hybrid throughout the S. Corn Belt and SW U.S.
- Excellent heat and drought stress tolerance with the ability to go high yield acre

Early Vigor	Above Avg
Drought Tolerance	Very Good
Test Weight	Very Good
Silage	Excellent

- Very strong disease package, including *Goss's wilt*
- Very good test weight and grain quality
- Dual-purpose potential

6641

Traits: GSS, GSS RIB

116 RM

Staygreen	Very Good
Greensnap	Very Good
Stalks	Very Good
Roots	Very Good

- Broadly adapted hybrid with impressive agronomics and yield potential
- Very good *Southern rust* tolerance
- Attractive late-season appearance

Early Vigor	Excellent
Drought Tolerance	Above Avg
Test Weight	Above Avg
Silage	Very Good

- Low greensnap risk and strong *Goss's wilt* allows good western movement
- Best performance at moderate populations
- Dual-purpose potential

6647

Traits: RR2

116 RM

Staygreen	Average
Greensnap	Very Good
Stalks	Excellent
Roots	Excellent

- Broadly adapted full-season lead product
- Excellent stalk strength with low greensnap risk
- Very good heat & drought stress tolerance

Early Vigor	Average
Drought Tolerance	Very Good
Test Weight	N/A
Silage	Average

- Longer ear-type with good tip fill and deep kernels
- Very strong roots with ability to perform in diverse soil types

9678

Traits: VT2P RIB, VT2P

117 RM

Staygreen	Above Avg
Greensnap	Average
Stalks	Above Avg
Roots	Very Good

- Excellent top-end yield potential with very girthy ear-type
- Excellent stress tolerance
- Good late-season plant health

Early Vigor	Very Good
Drought Tolerance	Very Good
Test Weight	Very Good
Silage	Very Good

- Extremely versatile hybrid that will perform on dryland or under irrigation
- Very good grain quality and test weight with good dry down qualities

6720

Traits: GSS

117 RM

Staygreen	Excellent
Greensnap	Excellent
Stalks	Excellent
Roots	Excellent

- Consistent, widely adapted full-season hybrid with exceptional agronomics
- Very low greensnap risk and good *Goss's wilt* allow for easy western movement

Early Vigor	Excellent
Drought Tolerance	Very Good
Test Weight	Excellent
Silage	Very Good

- Eye-catching plant health and staygreen
- Excellent emergence and vigor for early planting or reduced tillage
- Impressive grain quality and test weight

6811

Traits: VT2P, VT2P RIB

118 RM

Staygreen	Very Good
Greensnap	Above Avg
Stalks	Excellent
Roots	Very Good

- Impressive top-end yield potential
- Strong agronomics and consistent performance across soils and yield environments

Early Vigor	Above Avg
Drought Tolerance	Very Good
Test Weight	Excellent
Silage	Very Good

- Attractive late-season health and intactness
- Very good test weight and grain quality
- Good northern movement for RM

INTEGRA SILAGE

HYBRIDS ARE CAREFULLY SELECTED FOR OPTIMUM PERFORMANCE

INTEGRA offers multiple silage corn options, each targeted toward specific forage needs and requirements: dual usage, forage quality, and Silage That Produces®.

SILAGE THAT PRODUCES

INTEGRA's own Silage That Produces (STP) leafy silage hybrids are bred for high quality forage tonnage and whole plant digestibility of stalks and leaves. STP hybrids feature soft kernels with moderate test weights, flexible stalks with thinner stalk rinds, and medium ear placement with twice the amount of carbohydrates above the ear when compared to grain hybrids. STP hybrids have a slower grain filling period, which results in up to two and a half times longer window of harvest compared to dual purpose hybrids.

INTEGRA® FORTIFIED SEED

INTEGRA Brand Silage Hybrid Numbering System

Current **3009**

30 + 50 = 80 Relative Maturity

Prior to 2014 **9678**

67 + 50 = 117 Relative Maturity

Add 50 to the highlighted number (the first and second digits) for relative maturity. Products released prior to 2014 use the second and third digits as shown above right.

Note: The relative maturity ratings on new hybrids are based on initial data and may change as more data are collected. However, the hybrid name will stay the same.

Value-Added Trait Technology

R	Roundup Ready® Corn 2
VT2P	VT Double PRO®
VT2P RIB	VT Double PRO® RIB Complete® Corn Blend
DGVT2P RIB	DroughtGard® Hybrids with VT Double PRO® RIB Complete® Corn Blend
GSS	SmartStax®
GSS RIB	SmartStax® RIB Complete® Corn Blend
3010A	Agrisure Artesian® 3010A
3110	Agrisure Viptera® 3110
3120A E-Z	Agrisure Artesian® 3120A E-Z Refuge®
5222 E-Z	Agrisure Duracade® 5222 E-Z Refuge®
CONV	Conventional

Agronomics Ratings Key

Excellent | *Very Good* | *Above Avg* | *Average* | *Below Avg* | *Poor*

For complete ratings of each offering, visit INTEGRAseed.com

All agronomic characteristics and ratings may vary with growing conditions and environment. Ratings are approximate and should not be considered as absolute. Ratings on new hybrids are based on limited data and may change as more data are collected. Extreme conditions may adversely affect hybrid performance. The relative maturity of one hybrid to another remains reasonably constant; however, the actual number of calendar days from seeding to physiological maturity varies with date of planting, planting rate, temperature, day length, soil fertility, and other environmental factors.

Planting Refuges, Preserving Technology

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

3718

Traits: VT2P RIB

87 RM

Greensnap	Above Avg
Stalks	Very Good
Roots	Above Avg
Early Vigor	Excellent

Drought Tolerance	Very Good
Silage Yield	Excellent
Feed Quality	Very Good

- Tough and rugged dual-purpose hybrid with impressive top-end grain yield as well as silage yield
- Very good northern corn leaf blight tolerance
- Excellent emergence and early vigor for planting into cool soils or reduced tillage
- Easy movement east to west with good southern movement as well

STP4128

NEW

Traits: RR2

91 RM

Greensnap	Very Good
Stalks	Above Avg
Roots	Very Good
Early Vigor	Very Good

Drought Tolerance	Very Good
Silage Yield	Elite
Feed Quality	Elite

- Floury Leafy Silage hybrid
- Very high tonnage yield with elite feed quality characteristics
- More rumen-available starch than leading competitor silage hybrids
- Excellent ration adaptability from dairy to beef cows to feedlot

4311

NEW

Traits: VT2P RIB

93 RM

Greensnap	Very Good
Stalks	Very Good
Roots	Very Good
Early Vigor	Excellent

Drought Tolerance	Very Good
Silage Yield	Very Good
Feed Quality	Very Good

- Dual-purpose hybrid with east to west adaptability and ability to go top-end to tough acre
- Responsive to added management
- Low greensnap risk and strong *Goss's wilt* allow easy western movement
- Emergence and vigor was easy to spot in 2019. That's saying a lot!

4342

Traits: VT2P RIB, RR2

93 RM

Greensnap	Above Avg
Stalks	Very Good
Roots	Very Good
Early Vigor	Very Good

Drought Tolerance	Very Good
Silage Yield	Excellent
Feed Quality	Excellent

- Dual-purpose w/ excellent top-end yield potential w/ multiple years of performance
- Widely adapted east to west across soils and yield environments
- Strong early vigor for planting into cool soils or reduced tillage
- Good drought and stress tolerance allowing movement onto tougher acres

STP4550

Traits: RR, Conv

95 RM

Greensnap	Very Good
Stalks	Average
Roots	Very Good
Early Vigor	Very Good

Drought Tolerance	Very Good
Silage Yield	Excellent
Feed Quality	Excellent

- Floury Leafy Corn Silage hybrid
- Strong overall agronomic package
- Best performance and nutrition value at moderate populations
- Excellent balance of yield, digestible starch, and digestible fiber
- Extended harvest window
- Save on seed quantity needs per acre

4509

Traits: VT2P RIB

95 RM

Greensnap	Very Good
Stalks	Very Good
Roots	Very Good
Early Vigor	Average
Drought Tolerance	Very Good
Silage Yield	Excellent
Feed Quality	Excellent

- Dual-purpose hybrid that is widely adapted across soils and yield environments with strong agronomics
- Excellent hybrid for all management styles
- Consistent ear set within row
- Very strong *Goss's wilt* tolerance

STP4810

Traits: RR

98 RM

Greensnap	Very Good
Stalks	Average
Roots	Very Good
Early Vigor	Very Good
Drought Tolerance	Very Good
Silage Yield	Excellent
Feed Quality	Excellent

- Floury Leafy Corn Silage hybrid
- Strong overall agronomic package
- Best performance and nutrition value at moderate populations
- Excellent balance of yield, digestible starch, and digestible fiber
- Extended harvest window
- Save on seed quantity needs per acre

4888

Traits: VT2P RIB, GSS RIB

97 RM

Greensnap	Very Good
Stalks	Very Good
Roots	Very Good
Early Vigor	Above Avg
Drought Tolerance	Very Good
Silage Yield	Very Good
Feed Quality	Very Good

- Attractive, dual-purpose hybrid that is widely adapted across soil and yield environments
- Excellent overall plant health with very good stress tolerance
- Very agronomically sound hybrid
- Moves east to west easily with strong greensnap and good *Goss's wilt* tolerance for western movement

STP5191

Traits: RR2, Conv

101 RM

Greensnap	Very Good
Stalks	Very Good
Roots	Very Good
Early Vigor	Very Good
Drought Tolerance	Very Good
Silage Yield	Elite
Feed Quality	Elite

- Next generation Floury Leafy Silage hybrid to build on the success of STP5027
- Very high tonnage yield with elite feed quality characteristics
- More rumen-available starch than leading competitor silage hybrids
- Excellent ration adaptability from dairy to beef cows to feedlot

STP5209

Traits: VT2P RIB, GSS RIB

102 RM

Greensnap	Very Good
Stalks	Very Good
Roots	Excellent
Early Vigor	Very Good
Drought Tolerance	Very Good
Silage Yield	Elite
Feed Quality	Excellent

- Leafy Corn Silage hybrid stacked with multiple modes of action against insect pests including CRW
- Excellent overall agronomic package with wide adaptability east to west and extremely good southern movement as well

5351

NEW

Traits: 3110, 5222 E-Z

103 RM

Greensnap	Very Good
Stalks	Above Avg
Roots	Above Avg
Early Vigor	Excellent

Drought Tolerance	Above Avg
Silage Yield	Very Good
Feed Quality	Very Good

- Attractive dual-purpose type hybrid with explosive top-end yield potential
- Emergence and vigor was easy to spot in 2019. That's saying a lot!
- Widely adapted hybrid east to west
- Best performance on above average to high yielding farms

STP5408

Traits: RR2

104 RM

Greensnap	Very Good
Stalks	Very Good
Roots	Very Good
Early Vigor	Very Good

Drought Tolerance	Very Good
Silage Yield	Elite
Feed Quality	Excellent

- Leafy silage hybrid that is bred specifically for dry cows, heifers, and beef cows
- Produces large quantity of digestible forage with a low quantity of starch
- Excellent tonnage, feed quality, and digestibility for low energy rations
- Best performance and nutrition value at moderate populations

STP5500

Traits: GSS RIB

105 RM

Greensnap	Very Good
Stalks	Average
Roots	Very Good
Early Vigor	Very Good

Drought Tolerance	Very Good
Silage Yield	Excellent
Feed Quality	Excellent

- Leafy Corn Silage hybrid
- Strong overall agronomic package
- Best performance and nutrition value at moderate populations
- Excellent balance of yield, digestible starch and digestible fiber
- Extended harvest window
- Save on seed quantity needs per acre

5802

NEW

Traits: VT2P RIB

10 RM

Greensnap	Above Avg
Stalks	Very Good
Roots	Average
Early Vigor	Very Good

Drought Tolerance	Above Avg
Silage Yield	Very Good
Feed Quality	Very Good

- Dual-purpose type hybrid with next level yield!
- Widely adapted hybrid that moves North to South as well as West to East
- Lower greensnap risk and good *Goss's Wilt* allow for easy Western movement
- Best positioned on average to high yielding farms

STP6010

Traits: GSS RIB

110 RM

Greensnap	Very Good
Stalks	Average
Roots	Very Good
Early Vigor	Very Good

Drought Tolerance	Very Good
Silage Yield	Excellent
Feed Quality	Excellent

- Leafy Corn Silage hybrid
- Strong overall agronomic package
- Best performance and nutrition value at moderate populations
- Excellent balance of yield, digestible starch, and digestible fiber
- Extended harvest window
- Save on seed quantity needs per acre

6181

Traits: 3120 E-Z

111 RM

Greensnap	Very Good
Stalks	Very Good
Roots	Average
Early Vigor	Above Avg
Drought Tolerance	Very Good
Silage Yield	Above Avg
Feed Quality	Above Avg

- True flex, dual-purpose type hybrid with consistency across yield environments
- Best performance on the bookends: Western Corn Belt and Eastern Corn Belt
- Low greensnap risk and strong *Goss's wilt* allows good western movement
- Exceptional stalk strength
- Good overall disease package

6342

NEW

Traits: TRE, TRE RIB

113 RM

Greensnap	Average
Stalks	Above Avg
Roots	Very Good
Early Vigor	Above Avg
Drought Tolerance	Very Good
Silage Yield	Very Good
Feed Quality	Very Good

- Dual-purpose type hybrid with unique combination of bottom-end torque and offensive, top-end yield potential
- Best positioning is Central and Eastern regions with excellent Southern movement
- Attractive, robust plant style with good canopy closure

STP6498

Traits: RR2

114 RM

Greensnap	Very Good
Stalks	Very Good
Roots	Very Good
Early Vigor	Very Good
Drought Tolerance	Excellent
Silage Yield	Elite
Feed Quality	Excellent

- Leafy Corn Silage for full-season markets
- Very attractive, showy hybrid that will catch the eye of even the most experienced silage harvester
- Tonnage and feed quality that will surpass leading silage competitors
- Very good starch content and digestibility for maximum milk production

6474

Traits: DGVT2P RIB

114 RM

Greensnap	Excellent
Stalks	Above Avg
Roots	Above Avg
Early Vigor	Above Avg
Drought Tolerance	Excellent
Silage Yield	Very Good
Feed Quality	Very Good

- Dual-purpose hybrid with tremendous grain yield and very high silage tonnage potential
- Strong western hybrid with exceptional *Goss's wilt* and greensnap tolerance
- Proven performance under drought stress and will keep plant and ear height up
- Excellent yield response under irrigation

6621

NEW

Traits: GSS, DGVT2P RIB

116 RM

Greensnap	Above Avg
Stalks	Very Good
Roots	Very Good
Early Vigor	Above Avg
Drought Tolerance	Very Good
Silage Yield	Very Good
Feed Quality	Excellent

- Consistent, widely adapted dual-purpose style hybrid throughout the Southern Corn Belt and Southwestern U.S.
- Very good feed quality & MILK 2006 scores
- Excellent heat and drought stress tolerance with the ability to go high yield acre
- Very strong disease package, including *Goss's wilt*

6641

Traits: GSS, GSS RIB

116 RM

Greensnap	Very Good
Stalks	Very Good
Roots	Very Good
Early Vigor	Excellent
Drought Tolerance	Above Avg
Silage Yield	Very Good
Feed Quality	Very Good

- Broadly adapted dual-purpose hybrid w/ impressive agronomics and yield potential
- Very good *Southern Rust* tolerance
- Low greensnap risk and strong *Goss's wilt* allows good western movement
- Very good staygreen

6720

NEW

Traits: GSS

117 RM

Greensnap	Excellent
Stalks	Excellent
Roots	Excellent
Early Vigor	Excellent
Drought Tolerance	Very Good
Silage Yield	Very Good
Feed Quality	Excellent

- Consistent, widely adapted full-season dual-purpose w/ exceptional agronomics
- Very low greensnap risk and good *Goss's wilt* allow for easy western movement
- Eye catching plant health and staygreen
- Impressive tonnage and feed quality properties

9678

NEW

Traits: VT2P RIB, VT2P

117 RM

Greensnap	Average
Stalks	Above Avg
Roots	Very Good
Early Vigor	Very Good
Drought Tolerance	Very Good
Silage Yield	Elite
Feed Quality	Excellent

- Dual-purpose hybrid with outstanding grain and silage yield
- Tonnage and Milk 2006 scores that surpass leading silage competitors
- Extremely versatile hybrid that will perform on dryland or under irrigation
- Multi-year consistent performance

6709

Traits: VT2P RIB

117 RM

Greensnap	Average
Stalks	Very Good
Roots	Very Good
Early Vigor	Above Avg
Drought Tolerance	Very Good
Silage Yield	Excellent
Feed Quality	Excellent

- Dual-purpose type hybrid that is best positioned as a silage-only hybrid
- Consistent, multi-year top performing silage hybrid W/ very good Milk 2006 scores
- Very good overall agronomics as well as heat and drought stress tolerance
- Excellent NCLB and southern leaf blight tolerance

6811

Traits: VT2P, VT2P RIB

118 RM

Greensnap	Above Avg
Stalks	Excellent
Roots	Very Good
Early Vigor	Above Avg
Drought Tolerance	Very Good
Silage Yield	Excellent
Feed Quality	Above Avg

- Dual-purpose type hybrid with impressive top-end yield potential
- Good staygreen
- Strong agronomics and consistent performance across soils and yield environments
- Good northern movement for RM

6891

NEW

Traits: 3110

118 RM

Greensnap	Above Avg
Stalks	Above Avg
Roots	Above Avg
Early Vigor	Above Avg

Drought Tolerance	Average
Silage Yield	Excellent
Feed Quality	Excellent

- Attractive, dual-purpose type hybrid that is best positioned as a silage-only hybrid
- Strong silage yield and quality best positioned on above average to high yield acres
- Very responsive to irrigation and added management
- Good northern movement for RM

9684

Traits: RR2

118 RM

Greensnap	Above Avg
Stalks	Very Good
Roots	Very Good
Early Vigor	Above Avg

Drought Tolerance	Above Avg
Silage Yield	Excellent
Feed Quality	Very Good

- Dual-purpose type hybrid that is best positioned as a silage-only hybrid
- Consistent, multi-year top performing silage hybrid Q/ very good Milk 2006 scores
- Tall, robust, southern type hybrid with excellent heat tolerance
- Very good GLS and NCLB tolerance

6880

NEW

Traits: VT2P

118 RM

Greensnap	Average
Stalks	Very Good
Roots	Above Avg
Early Vigor	Very Good

Drought Tolerance	Above Avg
Silage Yield	Elite
Feed Quality	Excellent

- Dual-purpose type hybrid that is best positioned as a silage-only hybrid
- Best positioning in the western U.S.
- Robust plant style with thick canopy
- Very good staygreen and late-season plant health extends plant drydown
- Good husk cover
- Good tolerance to head smut

INTEGRA SOYBEAN

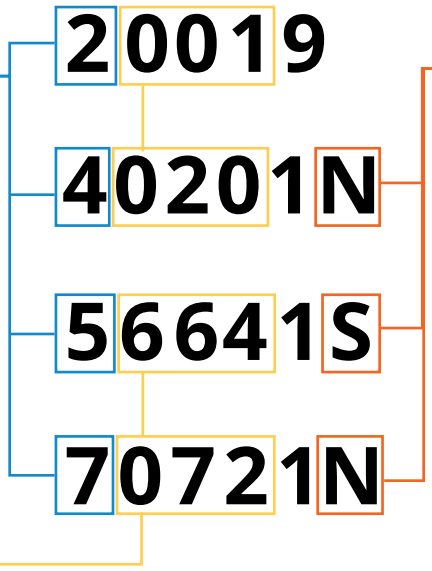
VARIETIES ARE CAREFULLY SELECTED FOR OPTIMUM PERFORMANCE

Each region possesses unique agronomic challenges. INTEGRA soybeans deliver strong yield solutions by matching genetics, defensive or offensive qualities, disease resistance, standability, and herbicide traits with each region's specific needs. The INTEGRA pipeline is a robust, world-wide germplasm library. INTEGRA soybean varieties are carefully selected after vigorous, local testing through its family of WEGROW TRIALS. Strong agronomics are absolutely key to delivering local success. INTEGRA proudly offers industry leading traits such as XtendFlex® and Enlist E3® soybean varieties.

INTEGRA® FORTIFIED SEED

WEGrow TRIALS

INTEGRA Brand Soybean Numbering System



Technology Trait

The first number denotes the technology trait.

2 = Roundup Ready 2 Yield®

4 = Enlist E3®

5 = Roundup Ready 2 XTEND®

7 = XTENDFLEX®

Added Trait

The letter following the hybrid number denotes added traits.

N = Soybean Cyst Nematode Resistance

S = Sulfonylurea-Tolerant Soybean (STS®)

Relative Maturity

These numbers divided by 100 equal the relative maturity.
For example, 001 / 100 = **0.01 Relative Maturity**

Note: The relative maturity ratings on new hybrids are based on initial data and may change as more data are collected. However, the hybrid name will stay the same.

Value-Added Trait Technology

RR2 Roundup Ready 2 Yield® Soybeans

Enlist E3 Enlist E3® Soybeans

R2X Roundup Ready 2 XTEND® Soybeans

XF XTENDFLEX® Soybeans

STS Sulfonylurea-Tolerant Soybean

Agronomics Ratings Key

Excellent	Very Good	Above Avg	Average	Below Avg	Poor
R	MR			MS	S
Resistant	*Moderately Resistant*			*Moderately Susceptible*	*Susceptible*

For complete ratings of each offering, visit INTEGRAseed.com

All agronomic characteristics and ratings may vary with growing conditions and environment. Ratings are approximate and should not be considered as absolute. Ratings on new hybrids are based on limited data and may change as more data are collected. Extreme conditions may adversely affect hybrid performance. The relative maturity of one hybrid to another remains reasonably constant; however, the actual number of calendar days from seeding to physiological maturity varies with date of planting, planting rate, temperature, day length, soil fertility, and other environmental factors.

50081N

Trait: R2X

0.08 RM

Emergence	Excellent
Stress Tolerance	Very Good
Standability	Very Good
SDS	N/A

- Roundup Ready 2 Xtend® technology
- Exciting yield potential with good width across the row
- SCN-resistant

PRR Field Tolerance	Very Good
IDC Tolerance	Average
BSR	Above Avg
White Mold	N/A

- Strong performance east to west with yields lifting with western movement
- Good northern movement
- Very good standability

50309N

Trait: R2X

0.3 RM

Emergence	Excellent
Stress Tolerance	Excellent
Standability	Very Good
SDS	N/A

- Roundup Ready 2 Xtend® technology
- Big yield plus defense
- Broadly adapted variety that will move in and out of the Valley

PRR Field Tolerance	Very Good
IDC Tolerance	Excellent
BSR	Above Avg
White Mold	Very Good

- SCN with excellent IDC
- Excellent emergence for early planting or reduced tillage

54660NS

Trait: R2X / STS

4.6 RM

Emergence	Very Good
Stress Tolerance	Excellent
Standability	Very Good
SDS	Excellent

- Roundup Ready 2 Xtend® technology
- Tremendous performance east to west across soils and yield environments
- Excellent SDS tolerance

PRR Field Tolerance	Very Good
IDC Tolerance	N/A
BSR	N/A
White Mold	N/A

- Very attractive variety with good standability
- STS-tolerant and excluder for farms with high soluble salts

54606NS

Trait: R2X / STS

4.6 RM

Emergence	Very Good
Stress Tolerance	Excellent
Standability	Above Avg
SDS	Above Avg

- Roundup Ready 2 Xtend® technology
- Widely adapted variety with good performance from Delta to East Coast
- Very impressive defensive agronomics

PRR Field Tolerance	Very Good
IDC Tolerance	N/A
BSR	N/A
White Mold	N/A

- Very good stress tolerance with the ability to lift tough acres, including clays
- Medium-tall variety with good width that canopies quick

54816N

Trait: R2X

4.8 RM

Emergence	Excellent
Stress Tolerance	Very Good
Standability	Excellent
SDS	Very Good

- Roundup Ready 2 Xtend® technology
- Widely adapted variety with performance from Kansas to East Coast
- Multi-year proven performance

PRR Field Tolerance	Very Good
IDC Tolerance	N/A
BSR	N/A
White Mold	N/A

- Very good standability, excellent selection for highly productive soils
- Impressive overall agronomics and defensive characteristics

54891NS

Trait: R2X / STS

4.8 RM

Emergence	Excellent
Stress Tolerance	Very Good
Standability	Above Avg
SDS	Very Good

PRR Field Tolerance	Above Avg
IDC Tolerance	N/A
BSR	N/A
White Mold	N/A

- Roundup Ready 2 Xtend® technology
- Good movement east to west with best performance from Delta to East Coast

- Exciting top-end yield potential
- Root knot and SDS resistance!

NEW

70082N

Trait: XF

0.08 RM

Emergence	Very Good
Stress Tolerance	Very Good
Standability	Very Good
SDS	N/A

PRR Field Tolerance	Very Good
IDC Tolerance	Very Good
BSR	N/A
White Mold	N/A

- XtendFlex® technology
- Early XtendFlex with SCN and standability!
- Versatile variety for northern acres with strong PRR and IDC tolerance

- Good east to west movement across Minnesota and North Dakota

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NEW

70212

Trait: XF

0.2 RM

Emergence	Excellent
Stress Tolerance	Very Good
Standability	Above Avg
SDS	N/A

PRR Field Tolerance	Below Avg
IDC Tolerance	Very Good
BSR	Resistant
White Mold	Average

- XtendFlex® technology
- Attractive, tawny variety with impressive IDC tolerance

- Taller variety with good standability as well as good width and lateral branching
- Good movement east to West across Minnesota and North Dakota

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NEW

70622N

Trait: XF

0.6 RM

Emergence	Excellent
Stress Tolerance	Very Good
Standability	Above Avg
SDS	N/A

PRR Field Tolerance	Above Avg
IDC Tolerance	Above Avg
BSR	Resistant
White Mold	Below Avg

- XtendFlex® technology
- Medium tawny with good standability and lateral branching that adds to yield
- Good IDC & PRR tolerance

- Impressive performance against key Xtend checks
- Caution farms with history of SWM hot spots

NEW

70832N

Trait: XF

0.8 RM

Emergence	Very Good
Stress Tolerance	Excellent
Standability	Above Avg
SDS	Very Good

PRR Field Tolerance	Very Good
IDC Tolerance	Above Avg
BSR	N/A
White Mold	Above Avg

- XtendFlex® technology
- Rugged plant type that excels with western movement
- Strong yield performance across all yield zones

- Wide canopy style closes the row fast, coupled with very good stress tolerance lifts performance in low yield environments
- Very good PRR and SDS tolerance

71042N

NEW

Trait: XF

1.0 RM

Emergence	Excellent
Stress Tolerance	Very Good
Standability	Above Avg
SDS	N/A

- XtendFlex® technology
- Consistent, broad acre performance to replace any Xtend variety

PRR Field Tolerance	Very Good
IDC Tolerance	Above Avg
BSR	Moderately Resistant
White Mold	Above Avg

- Attractive plant style with good height, width, and lateral branching that adds to yield
- Solid overall agronomics

71451N

Trait: XF

1.4 RM

Emergence	Excellent
Stress Tolerance	Above Avg
Standability	Excellent
SDS	Average

- XtendFlex® technology
- Attractive light tawny variety with excellent standability
- Easy transition variety for the Xtend grower

PRR Field Tolerance	Very Good
IDC Tolerance	Above Avg
BSR	Resistant
White Mold	Average

- Consistent performance across soils and yield environments with tough acre placement
- Performance lifts in above average to high yield environments

71652N

NEW

Trait: XF

1.6 RM

Emergence	Very Good
Stress Tolerance	Very Good
Standability	Excellent
SDS	Excellent

- XtendFlex® technology
- WOW! This variety will stand out amongst XtendFlex checks: defense + agronomics + standability

PRR Field Tolerance	Very Good
IDC Tolerance	Very Good
BSR	N/A
White Mold	Very Good

- Impressive and proven pedigree with latest herbicide technology
- Best positioning on soils and environments that require defense

71701N

Trait: XF

1.7 RM

Emergence	Excellent
Stress Tolerance	Very Good
Standability	Very Good
SDS	Below Avg

- XtendFlex® technology
- Reminds me of an earlier **INTEGRA** 52168N
- Medium-tall variety with impressive standability, width, and lateral branching

PRR Field Tolerance	Average
IDC Tolerance	Above Avg
BSR	Resistant
White Mold	Below Avg

- Broad acre fit, but performance lifts with western movement
- Best performance in above average to high yield environments

71862S

NEW

Trait: XF / STS

1.8 RM

Emergence	Excellent
Stress Tolerance	Very Good
Standability	Very Good
SDS	Below Avg

- XtendFlex® technology
- Performance across yield environments with excellent stress tolerance
- Very good emergence and standability

PRR Field Tolerance	Above Avg
IDC Tolerance	Average
BSR	Above Avg
White Mold	Above Avg

- Performance lifts with western movement
- Manage SDS with placement and highly recommend SDS seed treatment

72161N

Trait: XF

2.1 RM

Emergence	Very Good
Stress Tolerance	Very Good
Standability	Excellent
SDS	N/A

- XtendFlex® technology
- Very attractive variety with an agronomics-first focus
- Strong SWM tolerance

PRR Field Tolerance	Very Good
IDC Tolerance	Above Avg
BSR	Resistant
White Mold	Very Good

- Upright variety with very good standability
- East to west placement with best performance I-29 corridor moving east

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NEW

72172N

Trait: XF

2.1 RM

Emergence	Very Good
Stress Tolerance	Very Good
Standability	Above Avg
SDS	Above Avg

- XtendFlex® technology
- ACRE EATER! Performance east to west across soils and yield environments
- Strong PRR tolerance

PRR Field Tolerance	Excellent
IDC Tolerance	Above Avg
BSR	Moderately Resistant
White Mold	Above Avg

- Improved agronomics and yield level over first generation XtendFlex products
- Impressive standability
- Above average SDS tolerance

72381NS

Trait: XF / STS

2.3 RM

Emergence	Excellent
Stress Tolerance	Very Good
Standability	Excellent
SDS	N/A

- XtendFlex® technology
- Very attractive variety with good width to cover the row
- Broad acre fit with east to west performance

PRR Field Tolerance	Above Avg
IDC Tolerance	Average
BSR	Moderately Resistant
White Mold	Above Avg

- Good SWM tolerance
- Very good standability
- Performance lifts with western movement

NEW

72482N

Trait: XF

2.4 RM

Emergence	Very Good
Stress Tolerance	Very Good
Standability	Very Good
SDS	Above Avg

- XtendFlex® technology
- Next level yield performance with super eye appeal
- Med-tall variety with very good standability

PRR Field Tolerance	Above Avg
IDC Tolerance	Above Avg
BSR	Resistant
White Mold	Above Avg

- Consistent performance east to west across entire mid-group IV zone
- Solid overall agronomics, but PRR and SDS performance can be enhanced

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NEW

72892NS

Trait: XF / STS

2.8 RM

Emergence	Very Good
Stress Tolerance	Very Good
Standability	Above Avg
SDS	Above Avg

- XtendFlex® technology
- Impressive performance in stress conditions and continues to pull away in high yield environments

PRR Field Tolerance	Above Avg
IDC Tolerance	Above Avg
BSR	Resistant
White Mold	N/A

- Broad acre performance east to west across entire late group II zone
- Good height & width, but has the standability to hold the row

73002N

NEW

Trait: XF

3.0 RM

Emergence	Excellent
Stress Tolerance	Very Good
Standability	Very Good
SDS	Above Avg

- XtendFlex® technology
- Broad acre adaptability east to west
- Best performance Central and Western Corn Belt

PRR Field Tolerance	Average
IDC Tolerance	Average
BSR	Resistant
White Mold	Very Good

- Taller plant with good width and lateral branching
- Very good standability
- Above average SDS tolerance

73212N

NEW

Trait: XF

3.2 RM

Emergence	Very Good
Stress Tolerance	Very Good
Standability	Very Good
SDS	Above Avg

- XtendFlex® technology
- ACRE EATER! National performance east to west across soils and yield environments
- Good PRR tolerance for tougher soils

PRR Field Tolerance	Very Good
IDC Tolerance	Above Avg
BSR	Susceptible
White Mold	N/A

- Medium-tall variety with standability and eye appeal!
- Great line for the I-80 belt with performance lift in Central & Western Corn Belt

73661N

Trait: XF

3.6 RM

Emergence	Excellent
Stress Tolerance	Very Good
Standability	Very Good
SDS	Average

- XtendFlex® technology
- Taller, attractive plant style with good width and lateral branching
- Very good standability

PRR Field Tolerance	Very Good
IDC Tolerance	Average
BSR	N/A
White Mold	N/A

- Strong defensive and plant health characteristics promote good movement throughout entire mid-group III zone
- Good PRR tolerance allows placement on tougher soils

73622NS

NEW

Trait: XF / STS

3.6 RM

Emergence	Very Good
Stress Tolerance	Very Good
Standability	Very Good
SDS	Above Avg

- XtendFlex® technology
- Versatile soybean with east to west movement and performance across soils and yield environments

PRR Field Tolerance	Above Avg
IDC Tolerance	Average
BSR	Above Avg
White Mold	Above Avg

- Solid agronomics with ability to cover entire mid-group III zone
- Good option for soils with highly soluble salts
- Very good standability

73832N

NEW

Trait: XF

3.8 RM

Emergence	Very Good
Stress Tolerance	Above Avg
Standability	Excellent
SDS	Very Good

- XtendFlex® technology
- Very attractive plant with consistent performance east to west

PRR Field Tolerance	Above Avg
IDC Tolerance	Very Good
BSR	Average
White Mold	Very Good

- Good performance in low yield environments, but really separates itself as yield environment improves
- Excellent standability

74001NS

Trait: XF / STS

4.0 RM

Emergence	Excellent
Stress Tolerance	Excellent
Standability	Above Avg
SDS	Above Avg

- XtendFlex® technology
- Attractive, tall variety with good standability
- Good SDS tolerance

PRR Field Tolerance	Very Good
IDC Tolerance	N/A
BSR	Susceptible
White Mold	N/A

- Consistent performance across soils and yield environments
- Excellent stress tolerance will lift performance on tough soils

74142NS

NEW

Trait: XF / STS

4.1 RM

Emergence	Very Good
Stress Tolerance	Excellent
Standability	Excellent
SDS	Excellent

- XtendFlex® technology
- East to west movement with performance across yield environments
- Excellent standability

PRR Field Tolerance	Very Good
IDC Tolerance	Average
BSR	Average
White Mold	Above Avg

- Best performance central and western regions
- Strong stress tolerance for tough acre placement

74551NS

Trait: XF / STS

4.5 RM

Emergence	Very Good
Stress Tolerance	Excellent
Standability	Average
SDS	Below Avg

- XtendFlex® technology
- Attractive, light tawny variety

PRR Field Tolerance	Above Avg
IDC Tolerance	N/A
BSR	N/A
White Mold	N/A

- Best performance Delta moving east into Southern Hills in the early to mid-group IV zone
- Ideal placement on heavy, clay soils

74621NS

Trait: XF / STS

4.6 RM

Emergence	Excellent
Stress Tolerance	Very Good
Standability	Above Avg
SDS	Above Avg

- XtendFlex® technology
- Very attractive variety with good height and width to close the row
- Good SDS tolerance

PRR Field Tolerance	Above Avg
IDC Tolerance	N/A
BSR	N/A
White Mold	N/A

- Acre eater! Performance east to west across soils and yield environments
- Tough acre ability, including soils with high soluble salts

74731NS

Trait: XF / STS

4.7 RM

Emergence	Excellent
Stress Tolerance	Very Good
Standability	Very Good
SDS	Average

- XtendFlex® technology
- Very attractive plant style with strong standability
- Best performance Delta moving East Coast

PRR Field Tolerance	Above Avg
IDC Tolerance	N/A
BSR	N/A
White Mold	N/A

- Impressive performance against key Xtend checks
- Versatile line with performance across soils and yield environments

74852NS

NEW

Trait: XF / STS

4.8 RM

Emergence	Very Good
Stress Tolerance	Very Good
Standability	Very Good
SDS	Very Good

- XtendFlex® technology
- Consistent performance east to west across soils and yield environments
- Very good standability

PRR Field Tolerance	Above Avg
IDC Tolerance	Above Avg
BSR	Above Avg
White Mold	Above Avg

- Strong overall agronomics to eat BIG ACRES
- Impressive performance against key Xtend checks

40089N

Trait: Enlist E3

0.08 RM

Emergence	Excellent
Stress Tolerance	Very Good
Standability	Above Avg
SDS	N/A

- Enlist E3® Technology
- Early Enlist E3 variety with SCN protection
- Strong early Enlist E3 variety for both North Dakota and Minnesota

PRR Field Tolerance	Above Avg
IDC Tolerance	Above Avg
BSR	Moderately Susceptible
White Mold	Above Avg

- Best performance Hwy 2 and north
- Very good SWM tolerance
- Very good emergence for early planting or reduced tillage

40201N

Trait: Enlist E3

0.2 RM

Emergence	Excellent
Stress Tolerance	Above Avg
Standability	Excellent
SDS	N/A

- Enlist E3® technology
- Consistent, exciting performance across soils and yield environments
- Very good standability

PRR Field Tolerance	Very Good
IDC Tolerance	Above Avg
BSR	Susceptible
White Mold	Very Good

- Strong agronomic package for broad acre placement
- Yield performance lifts with western movement

40300N

Trait: Enlist E3

0.3 RM

Emergence	Excellent
Stress Tolerance	Very Good
Standability	Very Good
SDS	N/A

- Enlist E3® technology
- Early Group 0 with SCN
- Consistent performance from low to high yield environments

PRR Field Tolerance	Above Avg
IDC Tolerance	Very Good
BSR	Susceptible
White Mold	Average

- Good movement both in and out of the RRV
- Best performance in zone and north

40511

Trait: Enlist E3

0.5 RM

Emergence	Excellent
Stress Tolerance	Very Good
Standability	Very Good
SDS	N/A

- Enlist E3® technology
- Attractive variety meant to target tough, IDC prone soils
- Best performance is RRV, moving east

PRR Field Tolerance	Above Avg
IDC Tolerance	Excellent
BSR	Susceptible
White Mold	Above Avg

- Bottom-end torque that will lift performance on tough acres
- Good southern movement for RM

40602N

NEW

Trait: Enlist E3

0.6 RM

Emergence	Excellent
Stress Tolerance	Very Good
Standability	Excellent
SDS	N/A

- Enlist E3® technology
- Attractive plant style with good height, width, and lateral branching
- Excellent standability

PRR Field Tolerance	Above Avg
IDC Tolerance	Above Avg
BSR	Susceptible
White Mold	Above Avg

- Consistent performance across MN and ND including ability to push way west
- Good choice for soils with high soluble salts

40831N

Trait: Enlist E3

0.8 RM

Emergence	Excellent
Stress Tolerance	Excellent
Standability	Above Avg
SDS	N/A

- Enlist E3® technology
- Broad acre adaptability east to west, across soils and yield environments

PRR Field Tolerance	Excellent
IDC Tolerance	Very Good
BSR	Susceptible
White Mold	Above Avg

- Impressive overall agronomics!
- Consistent performance and look across locations and seasons!

41041N

Trait: Enlist E3

1.0 RM

Emergence	Excellent
Stress Tolerance	Very Good
Standability	Very Good
SDS	Very Good

- Enlist E3® technology
- Broad acre adaptability east to west, across soils and yield environments
- Here we go Southern RRV...SCN + IDC

PRR Field Tolerance	Above Avg
IDC Tolerance	Very Good
BSR	Resistant
White Mold	Above Avg

- Impressive performance on high yield acres, but really shines on tough acre
- Above average SWM tolerance, but can enhance performance with R1 fungicide app.

41502N

NEW

Trait: Enlist E3

1.5 RM

Emergence	Excellent
Stress Tolerance	Very Good
Standability	Very Good
SDS	Very Good

- Enlist E3® technology
- WOW! Agronomics and yield performance make this a key variety across entire mid-group I zone!

PRR Field Tolerance	Excellent
IDC Tolerance	Very Good
BSR	Resistant
White Mold	Above Avg

- Dominant performance east to west across soils and yield environments
- Just check out this agronomic package

41812N

NEW

Trait: Enlist E3

1.8 RM

Emergence	Very Good
Stress Tolerance	Above Avg
Standability	Very Good
SDS	Above Avg

- Enlist E3® technology
- WOW yield performance against key E3 checks
- Excellent variety to target above average to high yield environments prone to SWM

PRR Field Tolerance	Above Avg
IDC Tolerance	Above Avg
BSR	N/A
White Mold	Excellent

- Strong standability
- Improved PRR tolerance over key E3 checks
- Good SDS tolerance, but can enhance SDS management with SDS seed treatment

42122N

Trait: Enlist E3

2.1 RM

NEW

Emergence	Very Good
Stress Tolerance	Very Good
Standability	Very Good
SDS	Above Avg

PRR Field Tolerance	Very Good
IDC Tolerance	Above Avg
BSR	N/A
White Mold	Very Good

- Enlist E3® technology
- ACRE EATER! Performance east to west across entire early Group II zone
- Strong PRR and SWM tolerance
- Versatile variety across soils and yield environments, but really separates itself in high yield zones
- Above average SDS tolerance

42401N

Trait: Enlist E3

2.4 RM

Emergence	Excellent
Stress Tolerance	Very Good
Standability	Very Good
SDS	Very Good

PRR Field Tolerance	Very Good
IDC Tolerance	Above Avg
BSR	Resistant
White Mold	Very Good

- Enlist E3® technology
- Crazy defensive package plus yield!
- ACRE EATER! Wide adaptation east to west performance across entire mid-group II zone
- Multi-year consistency across soils and yield environments
- Very good standability

42660N

Trait: Enlist E3

2.6 RM

Emergence	Very Good
Stress Tolerance	Very Good
Standability	Very Good
SDS	N/A

PRR Field Tolerance	Very Good
IDC Tolerance	Very Good
BSR	Above Avg
White Mold	N/A

- Enlist E3® technology
- Attractive variety with strong standability and agronomics
- Very good IDC and PRR tolerance
- Widely adapted performance and stability east to west
- Peking SCN resistance

42839N

Trait: Enlist E3

2.8 RM

Emergence	Excellent
Stress Tolerance	Excellent
Standability	Very Good
SDS	Above Avg

PRR Field Tolerance	Excellent
IDC Tolerance	Very Good
BSR	Resistant
White Mold	Average

- Enlist E3® technology
- Consistent, multi-year performance across entire late group II zone
- Excellent PRR field tolerance
- Versatile variety with agronomics and plant style to cover all acres east to west
- Med-tall variety with strong standability
- Above average SDS tolerance

43432N

Trait: Enlist E3

3.4 RM

NEW

Emergence	Excellent
Stress Tolerance	Excellent
Standability	Excellent
SDS	Very Good

PRR Field Tolerance	Very Good
IDC Tolerance	Above Avg
BSR	Resistant
White Mold	Above Avg

- Enlist E3® technology
- ACRE EATER! National performance east to west across soils and yield environments
- Check out these agronomics - WOW!
- Standability and eye appeal are absolute highlights

43842NS

Trait: Enlist E3 / STS

NEW

3.8 RM

Emergence	Very Good
Stress Tolerance	Very Good
Standability	Excellent
SDS	Excellent

- Enlist E3® technology
- Consistent performance east to west across soils and yield environments

PRR Field Tolerance	Very Good
IDC Tolerance	Above Avg
BSR	Average
White Mold	Very Good

- Excellent standability
- Solid overall agronomics

44052N

Trait: Enlist E3

NEW

4.0 RM

Emergence	Excellent
Stress Tolerance	Above Avg
Standability	Excellent
SDS	Average

- Enlist E3® technology
- Next level yield performance and style that grabs your eye!
- Excellent standability!

PRR Field Tolerance	Very Good
IDC Tolerance	Very Good
BSR	Susceptible
White Mold	N/A

- Consistent, dominant performance east to west over key E3 checks
- Very good PRR tolerance for tougher soils

44262N

Trait: Enlist E3

NEW

4.2 RM

mergence	Very Good
Stress Tolerance	Excellent
Standability	Very Good
SDS	Very Good

- Enlist E3® technology
- Versatile variety with good performance across environments, but really separates itself in high yield zones

PRR Field Tolerance	Above Avg
IDC Tolerance	N/A
BSR	Susceptible
White Mold	N/A

- Consistent, impressive performance across years and regions
- East to west performance with good movement north and south of zone

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44672NS

Trait: Enlist E3 / STS

NEW

4.6 RM

Emergence	Very Good
Stress Tolerance	Excellent
Standability	Above Avg
SDS	Above Avg

- Enlist E3® technology
- Consistent, multi-year performance
- Works well on heavy clay soils

PRR Field Tolerance	Above Avg
IDC Tolerance	N/A
BSR	Susceptible
White Mold	N/A

- Strong yield across all yield environments, but excellent choice to lift performance across tough yield zones
- Ideal choice for farms with high soluble salts

INTEGRA ALFALFA

SEEDS ARE CAREFULLY SELECTED FOR OPTIMUM PERFORMANCE

Each region possesses unique alfalfa challenges. Whether it's resistance to multi-race Aphanomyces, Phytophthora, stem nematode, dairy quality, or beef hay, INTEGRA can pair the right alfalfa variety to optimize local performance. INTEGRA offers varieties as conventional or with Roundup Ready® herbicide technology for enhanced weed control.

INTEGRA alfalfas are protected by Apron XL® (Mefenoxam), one of the most effective and reliable seed treatment products available, which guards against damping-off caused by Pythium and from early season Phytophthora. INTEGRA alfalfa also utilizes Dormal inoculant, which is clay-based to allow for maximum moisture absorption and Rhizobium performance.

INTEGRA® FORTIFIED SEED

INTEGRA Brand Alfalfa Numbering System

Crop Indicator

The first digit (8) denotes alfalfa.

Fall Dormancy

The second digit indicates the fall dormancy.

8 4 3 0

Year Indicator

The last digit indicates year of advancement.

Differential

The third digit is a differential digit.

Value-Added Trait Technology

RR Roundup Ready® Alfalfa

LH Leafhopper

Roundup Ready® ALFALFA

Agronomics Ratings Key

Ratings:	9 *Excellent*	8 *Very Good*	7 *Above Average*	5-6 *Average*	3-4 *Below Average*	1-2 *Poor*
Resistance:	HR *Highly Resistant*	R *Resistant*	MR *Moderately Resistant*	LR *Least Resistant*	MS *Moderately Susceptible*	S *Susceptible*
Hardiness:	1 *Most Hardy*	2 *Very Hardy*	3 *Above Average*	4-5 *Average*	6-7 *Below Average*	8-9 *Least Hardy*

For complete ratings of each offering, visit INTEGRAseed.com

All agronomic characteristics and ratings may vary with growing conditions and environment. Ratings are approximate and should not be considered as absolute. Ratings on new hybrids are based on limited data and may change as more data are collected. Extreme conditions may adversely affect hybrid performance. The relative maturity of one hybrid to another remains reasonably constant; however, the actual number of calendar days from seeding to physiological maturity varies with date of planting, planting rate, temperature, day length, soil fertility, and other environmental factors.

8420

Trait: Conv

Fall Dormancy	4
Winter Survival	2.5
Tonnage Potential	9
Persistence (Regrowth)	9
Forage Quality	8

- High resistance to stem nematode
- Set the standard for persistence and fast recovery after cutting
- Good overall plant disease resistance
- Multifoliate trait for very good forage quality

8444R

Trait: RR

Fall Dormancy	4
Winter Survival	2.5
Tonnage Potential	9
Persistence (Regrowth)	9
Forage Quality	8

- Features Roundup Ready® herbicide technology
- Delivers yield, persistence, and quality in one alfalfa variety
- High resistance to stem nematode
- Ideal choice for maximum tonnage and rapid regrowth after cutting
- Attractive, dense leaf canopy at harvest

8471R

NEW

Trait: RR

Fall Dormancy	4
Winter Survival	2
Tonnage Potential	9
Persistence (Regrowth)	9
Forage Quality	9

- Features Roundup Ready® herbicide technology
- Perfect 30 Disease Resistance Index (DRI)
- Well suited for 3-4 cut systems
- Strong disease, insect, and nematode resistance allows for broad adaptation from NE through MW, over to PNW
- Excellent winter hardiness and cold tolerance

Bronc®

Trait: Conv

Fall Dormancy	3
Winter Survival	2
Tonnage Potential	9
Persistence (Regrowth)	9
Forage Quality	8

- Excellent stand persistence
- High resistance to bacterial wilt
- Multi-race Aphanomyces resistance
- Resistant to most main diseases of alfalfa

Bronc 4 Brand

Trait: Conv

Fall Dormancy	4
Winter Survival	2
Tonnage Potential	7
Persistence (Regrowth)	9
Forage Quality	8

- Very good quality and high tonnage selection for low management systems
- Very good winter hardiness allows good northern movement
- Impressive overall agronomics that promote performance on highly variable soils
- Multi-race Aphanomyces resistance

8418

Trait: Conv

Fall Dormancy	4
Winter Survival	2
Tonnage Potential	9
Persistence (Regrowth)	9
Forage Quality	9

- Excellent overall disease resistance
- Versatility for hay or haylage production
- Very good winter hardiness and persistence
- Strong root rot resistance, including multi-race Aphanomyces

8430

Trait: Conv

Fall Dormancy	4
Winter Survival	2

- Excellent overall disease resistance
- Versatility for hay or haylage production

Tonnage Potential	9
Persistence (Regrowth)	9
Forage Quality	7

- Very good winter hardiness and persistence
- Strong root rot resistance, including multi-

8460

Trait: Conv

Fall Dormancy	4
Winter Survival	2

- Strongly adapted to NW growing conditions
- Moderate regrowth rate suitable for hay production

Tonnage Potential	9
Persistence (Regrowth)	8
Forage Quality	8

- Excellent overall disease resistance
- Strong root rot resistance, including multi-race Aphanomyces

8410 LH

Trait: LH

Fall Dormancy	4
Winter Survival	2

- High resistance to potato leafhoppers
- Great choice where leafhoppers are a significant pest
- Strong overall disease resistance

Tonnage Potential	8
Persistence (Regrowth)	9
Forage Quality	9

- Very winter hardy with strong persistence
- Excellent choice for variable soils due to strong root rot resistance, including multi-race Aphanomyces resistance

8562R

NEW

Trait: RR

Fall Dormancy	5
Winter Survival	N/A

- Features Roundup Ready® herbicide technology
- High yielding variety best suited for 4-6 cut systems

Tonnage Potential	9
Persistence (Regrowth)	9
Forage Quality	9

- Excellent persistence and pest resistance, as well as high resistance to stem nematodes
- Perfect 30 Disease Resistance Index (DRI)

8520

Trait: Conv

Fall Dormancy	5
Winter Survival	2

- High forage yield for 4-5 cut systems
- Moderately fast regrowth rate

Tonnage Potential	9
Persistence (Regrowth)	9
Forage Quality	8

- Excellent overall disease resistance
- Strong root rot resistance, including multi-race Aphanomyces

INTEGRA CANOLA

SEEDS ARE CAREFULLY SELECTED FOR OPTIMUM PERFORMANCE

INTEGRA's proven track record in the canola market is built upon our longstanding position and strong seed sales, backed with outstanding service from our experienced professionals.

INTEGRA canola hybrids are selected through extensive research including NDSU's trials for resistance to blackleg with strong emergence vigor and season-long standability, which enhances the high yield potential. Our shorter-stature plants enable ease at harvest, further adding to their appeal.

INTEGRA FORTIFIED SEED

Value-Added Trait Technology

RR Roundup Ready® Canola

RR TruFlex TruFlex™ Canola

Agronomics Ratings Key

Excellent	Very Good	Above Avg	Average	Below Avg	Poor
R	MR			MS	S
Resistant	*Moderately Resistant*			*Moderately Susceptible*	*Susceptible*

For complete ratings of each offering, visit INTEGRAseed.com

All agronomic characteristics and ratings may vary with growing conditions and environment. Ratings are approximate and should not be considered as absolute. Ratings on new hybrids are based on limited data and may change as more data are collected. Extreme conditions may adversely affect hybrid performance. The relative maturity of one hybrid to another remains reasonably constant; however, the actual number of calendar days from seeding to physiological maturity varies with date of planting, planting rate, temperature, day length, soil fertility, and other environmental factors.

7361RC

Type: Spring
Trait: RR TruFlex™
Maturity: Medium

Blackleg Rating	R
Seedling Vigor	8
Plant Height	3
Standability	8

- Next generation of Roundup Ready® TruFlex™ genetics providing solid agronomics and performance across Minnesota, Montana, and North Dakota
- 7361RC is a direct harvest hybrid with excellent stem and pod strength that can provide more flexibility to your farming practice

Fusarium Wilt	N/A
Crop Uniformity	8
Oil Content	7
Yield for Maturity	9

- Resistance to clubroot
- This hybrid may be late swathed or direct harvested
- Broadly adapted across all soil types
- Very good emergence and crop uniformity

7257RR

Type: Spring
Trait: RR
Maturity: Med-Early

Blackleg Rating	R
Seedling Vigor	7
Plant Height	3
Standability	9

- Next generation of Roundup Ready® genetics providing solid agronomics and performance across MN, MT, and ND
- 7257RR is a direct harvest hybrid with excellent stem and pod strength that can provide more flexibility to your farming practice

Fusarium Wilt	R
Crop Uniformity	9
Oil Content	8
Yield for Maturity	8

- This hybrid may be late swathed or direct harvested
- Rated R for blackleg and resistant to Fusarium wilt
- Medium-short height
- Broadly adapted across all soil types

INTEGRA SORGHUM

SEEDS ARE CAREFULLY SELECTED FOR OPTIMUM PERFORMANCE

INTEGRA offers both forage and grain sorghum, with many different hybrid options including sorghum sudangrass to fit each farm's unique needs. INTEGRA forage sorghum offers hybrids with either brown midrib or photoperiod-sensitive value-added traits. INTEGRA's forage sorghum hybrids with the brown midrib 6 trait have 40% to 60% less lignin compared to conventional sorghums for increased digestibility and similar nutritive value to corn silage. Plus they are combined with the brachytic dwarf trait for reduced lodging, increased tillering for standability, and tonnage with higher quality values. Photoperiod-sensitive sorghums have delayed flowering until late in the season to reduce risk of seed contamination the following year.

INTEGRA® FORTIFIED SEED

Agronomics Ratings Key

Excellent	*Very Good*	*Above Avg*	*Average*	*Below Avg*	*Poor*
HR			R		NR
Highly Recommended			*Recommended*		*Not Recommended*

For complete ratings of each offering, visit INTEGRAseed.com

All agronomic characteristics and ratings may vary with growing conditions and environment. Ratings are approximate and should not be considered as absolute. Ratings on new hybrids are based on limited data and may change as more data are collected. Extreme conditions may adversely affect hybrid performance. The relative maturity of one hybrid to another remains reasonably constant; however, the actual number of calendar days from seeding to physiological maturity varies with date of planting, planting rate, temperature, day length, soil fertility, and other environmental factors.

G3590
Grain Sorghum

Maturity: Early

Emergence	8
Standability	8
Root Strength	7
Drought Tolerance	8
Staygreen	8
Threshability	7
Yield for Maturity	8
Yield Stability	8

- Early maturity with high-end yield
- Strong drought tolerance
- Best suited for mid-low yield environments

G3630
Grain Sorghum

Maturity: Med-Early

Emergence	8
Standability	8
Root Strength	7
Drought Tolerance	8
Staygreen	8
Threshability	8
Yield for Maturity	7
Yield Stability	8

- Broad adaptability north to south
- Good fit for both dryland or irrigated
- Excellent standability and staygreen
- Very stable across yield environments

G3665
Grain Sorghum

Maturity: Medium

Emergence	8
Standability	8
Root Strength	8
Drought Tolerance	8
Staygreen	8
Threshability	8
Yield for Maturity	8
Yield Stability	9

- Excellent sugarcane aphid tolerance
- Attractive plant type with strong agronomic characteristics
- Excellent yield potential and yield stability
- Highly adaptable from south TX to Southern High Plains

G3620
Grain Sorghum

Maturity: Med-Early

Emergence	7
Standability	8
Root Strength	9
Drought Tolerance	7
Staygreen	8
Threshability	7
Yield for Maturity	7
Yield Stability	8

- Versatile medium-early
- Excellent agronomics and stability
- Highly adaptable to various yield environments
- Strong SCA tolerance

G3711
Grain Sorghum

Maturity: Med-Full

Emergence	7
Standability	8
Root Strength	7
Drought Tolerance	6
Staygreen	7
Threshability	9
Yield for Maturity	9
Yield Stability	8

- Medium-full maturity with top-end yield
- Strong drought tolerance
- Best suited for mid-high yield environments
- Excellent test weight and SCA score

32F80

Forage Type: HF
Maturity: Full

Early Vigor	6
Standability	7
Drought Tolerance	7

- Broadly adapted across the southern U.S.
- Excellent standability
- Short statured with the same number of nodes as tall forages

Hay	R
Silage	HR
Continuous Grazing	R
Rotational Grazing	R

- Will reach soft dough in approx. 120 days
- Handles salt well; Excellent nutritional pkg
- Superior digestibility due to the BMR Trait

35F45

Forage Type: HF
Maturity: Early

Early Vigor	7
Standability	8
Drought Tolerance	7

- Early forage choice — harvest in approximately 85 days
- Excellent standability due to shortened internodes

Hay	R
Silage	HR
Continuous Grazing	R
Rotational Grazing	R

- High rate of viable tillers
- Superior digestibility due to BMR 6 gene
- Good drought tolerance

33F70

Forage Type: HF
Maturity: Med-Full

Early Vigor	7
Standability	8
Drought Tolerance	7

- New medium-full BMR/brachytic forage choice
- High tonnage and excellent digestibility

Hay	R
Silage	HR
Continuous Grazing	R
Rotational Grazing	R

- Will reach soft dough in about 105 days
- Good drought tolerance and standability

38F80

NEW

Forage Type: HF
Maturity: Med-Full

Early Vigor	8
Standability	9
Drought Tolerance	7

- Wide leaf, med-tall plant
- Excellent standability

Hay	R
Silage	HR
Continuous Grazing	HR
Rotational Grazing	HR

- Large red grain head for added tons
- High SCA tolerance

Ranch Hand BMR

Forage Type: HSS
Maturity: Medium

Early Vigor	7
Standability	8
Drought Tolerance	7

- Ideal for hay and grazing
- Excellent standability
- Superior digestibility and feed quality due to BMR trait

Hay	HR
Silage	R
Continuous Grazing	R
Rotational Grazing	HR

- Very high quality forage
- Strong drought tolerance
- Widely adapted throughout U.S.

Hay Grazer

Forage Type: HSS
Maturity: Medium

Early Vigor	7
Standability	7
Drought Tolerance	7

- Ideal for grazing or hay
- Very fine stemmed
- Good palatability

Hay	HR
Silage	NR
Continuous Grazing	R
Rotational Grazing	HR

- Good drought tolerance
- Approximately 65 days to boot stage

31F65

Forage Type: HSS
Maturity: Medium

Early Vigor	7
Standability	7
Drought Tolerance	7

- Broadly adapted across the U.S.
- Excellent standability due to shortened internodes

Hay	HR
Silage	R
Continuous Grazing	R
Rotational Grazing	HR

- Versatile product that adapts to almost any forage system
- Superior digestibility due to the BMR Trait

31F90

Forage Type: HSS
Maturity: Late

Early Vigor	7
Standability	8
Drought Tolerance	8

- Broadly adapted across the U.S.
- Excellent standability
- Greenchop, hay, and haylage

Hay	HR
Silage	HR
Continuous Grazing	R
Rotational Grazing	R

- Can be grazed
- Very good leaf-to-stem ratio

31F85

Forage Type: HSS
Maturity: Late

Early Vigor	7
Standability	8
Drought Tolerance	7

- Outstanding tonnage producer
- Excellent standability

Hay	R
Silage	HR
Continuous Grazing	R
Rotational Grazing	HR

- 90 days to boot

STEWARDSHIP

LOCALLY-FOCUSED, QUALITY-DRIVEN
SEED SOLUTIONS FOR YOU

INTEGRA
FORTIFIED SEED

Stewardship

Growers Do Their Part

Growers who choose to use seed with a Bayer biotech trait or a Syngenta® biotech trait or any other information required by any applicable license for Agrisure products must:

- Sign a Bayer Technology Stewardship Agreement or a Syngenta Stewardship Agreement.
- Comply with Environmental Protection Agency (EPA) regulations by following Insect Resistance Management (IRM) practices for specific biotech traits.
- Plant patented seed only to produce a single commercial crop, without saving progeny seed for planting a subsequent crop.
- Sell harvested corn with biotech traits not yet approved by the European Union to grain handlers that confirm their acceptance or use the corn on-farm.

Failure to follow IRM guidelines and properly plant a refuge may result in the revocation of the grower's Bayer Technology Stewardship Agreement or Syngenta Stewardship Agreement and loss of access to insect-protected technologies.

Do your part to ensure these technologies are preserved by following the IRM Stewardship guidelines.

Seed Piracy Statement

Seed containing a patented trait can only be used to plant a single commercial crop. It is unlawful to save and replant seed from that crop. Examples of seed containing a patented trait include but are not limited to Roundup Ready 2 Yield® soybeans, Roundup Ready 2 Xtend® soybeans, XtendFlex® soybeans, Roundup Ready® spring canola, Roundup Ready® winter canola, and TruFlex™ canola with Roundup Ready® Technology. Additional information and limitations on the use of these products are provided in the Technology Stewardship Agreement and the Bayer Technology Use Guide: https://tug.bayer.com.

U.S. patents for Bayer technologies can be found at the following webpage: http://www.monsantotechnology.com

For more detailed information on all products listed, check out our product bulletins online at **www.integraseed.com/integra-products**

LEGAL NOTICES TRADEMARK OWNERSHIP and NOTIFICATIONS

Due to the unique cropping practices do not plant Roundup Ready® Alfalfa 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. Roundup Ready® Alfalfa has pending import approvals. 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.

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.

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

IMPORTANT IRM INFORMATION: RIB Complete® corn blend products do not require the planting of a structured refuge except in the Cotton-Growing Area where corn earworm is a significant pest. See the IRM/Grower Guide for additional information. Always read and follow IRM requirements.

Roundup Ready® 2 Technology contains genes that confer tolerance to glyphosate. Roundup Ready 2 Xtend® soybeans contain genes that confer tolerance to glyphosate and dicamba. Products with XtendFlex® Technology contains genes that confer tolerance to glyphosate, glufosinate and dicamba. Glyphosate will kill crops that are not tolerant to glyphosate. Dicamba will kill crops that are not tolerant to dicamba. Glufosinate will kill crops that are not tolerant to glufosinate. Contact your seed brand dealer or refer to the Bayer Technology Use Guide for recommended weed control programs.

Insect control technology provided by Vip3A is utilized under license from Syngenta Crop Protection AG. Herculex® is a registered trademark of Dow AgroSciences LLC. Agrisure Viptera® is a registered trademark of a Syngenta group company. 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. Acceleron®, DroughtGard®, RIB Complete®, Roundup Ready 2 Technology and Design™, Roundup Ready 2 Xtend®, Roundup Ready 2 Yield®, Roundup Ready®, SmartStax®, Trecepta®, VT Double PRO® and XtendFlex® are trademarks of Bayer Group.

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. Excellence Through Stewardship is a registered trademark of Excellence Through Stewardship

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

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NOTICE TO BUYER: WARRANTY, DISCLAIMER AND LIMITATION OF LIABILITY

WARRANTY. The seller hereby warrants that the seed purchased under this label will comply with the description on the bag label (within recognized tolerances) for a period of six (6) months from date of purchase, as required by any applicable federal and state seed laws. DISCLAIMER OF WARRANTIES. EXCEPT FOR THE FOREGOING EXPRESS WARRANTY, THE SEED IS FURNISHED "AS-IS," AND SELLER MAKES NO OTHER WARRANTIES,EXPRESS OR IMPLIED, WITH RESPECT TO THE SELECTION, PURCHASE OR USE OF THIS PRODUCT; SELLER SPECIFICALLY DISCLAIMS ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, OR THAT THIS SEED IS FREE OF ANY PHENOTYPIC AND/OR GENOTYPIC (BIOTECH) TRAITS, INCLUDING TRACE AMOUNTS THEREOF.

LIMITATION OF LIABILITY. To the extent permitted by law, Seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. THE EXCLUSIVE REMEDY OF THE BUYER OR USER, AND THE EXCLUSIVE LIABILITY OF SELLER, FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THIS PRODUCT, OR, AT THE ELECTION OF SELLER, THE REPLACEMENT OF THE PRODUCT.

These terms and conditions shall be interpreted in accordance with the laws of the State of California, excluding its conflicts of laws rules, and may not be amended by any oral or written agreement.

Roundup Ready 2 YIELD® TECHNOLOGY

LIBERTY LINK®

Enlist E3™ SOYBEANS

RESPECT THE REFUGE®

Insect Resistance Management
Planting Refuges, Preserving Technology

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

Think Before You **Bin Run**

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

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

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

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

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

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

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

High Value of New Branded Seed

Latest Technology

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

Customer Service

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

Reliable Germination and Quality

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

SIPA™ Seed Innovation & Protection Alliance

For more information on seed intellectual property protection, or to anonymously report a tip, please call 1-866-99-BAYER. For a list of relevant patents visit www.monsantotechnology.com

Glossary

BSR: Brown stem rot is a fungus that causes chlorosis and necrosis between leaf veins and leaf curling, which leads to leaf death.

Dual usage: Grain hybrids with tonnage and cropping needs for maximum flexibility on your acres.

Floury Leafy Silage hybrid: A corn hybrid that has a silage-specific kernel with a completely floury interior.

Germination: The growth of a plant that is contained within the seed, or the process by which a seed grows from a seed.

GLS (Grey Leaf Spot): A fungal disease affecting corn. This disease favors temperatures above 80ºF and relative humidity of 90% or higher.

Goss's Wilt: A bacteria known as Clavibacter that can infect the plants' leaves at any stage of the growth process.

Greensnap: The breakage of corn stalks caused by high winds mainly in the Plains and Northern Plains.

HSS: Heavy grains, soybeans, and sorghums. This term is used to characterize the type of grain coming within a variety of descriptions, mainly used in charactering and grain trading.

Hybrid: A hybrid seed is a seed that is created by crossing two or more different varieties/traits.

IDC: Iron deficiency chlorosis caused by lack of iron in soybeans. This can be seen by the yellowing of the foliage during early growth stages.

MILK 2006 score: An adaption to the milk per ton quality index that evaluates corn silage hybrid performance.

Northern Corn Leaf Blight: A foliar disease in corn caused by *Exserohilum tucicum* causing cigar-shaped lesions on the leaves of the plant, potentially causing significant loss in yield.

Numbering System: A system to simplify the seed selection process by providing identification of maturities and traits in each hybrid.

PRR: Phytophthora root rot is a fungal disease affecting soybean crops that is favored by wet and warm environmental conditions.

RKN: Root-knot nematode. This insect attacks the root of the soybean plant. Affected root systems contain large, irregular growths.

SCA: Specific combining ability.

SCN: Soybean cyst nematode. A nematode that infects the roots of the soybean plant where the female nematode eventually becomes a cyst on the plant.

SDS: Sudden death syndrome is a disease caused by a soil-borne fungus that includes two phases of plant death: a root rot phase and leaf scorch phase. During early reproduction stages, this disease produces a toxin that moves upward through the plant to the leaves producing the same foliar symptoms.

Silage That Produces® (STP): The line of silage corn seed products from INTEGRA seed.

SmartStax®: A brand of genetically modified seed through a collaboration between Bayer and Dow Chemical Company.

Southern Rust: A fungus in corn that causes lesions mainly on the leaf surface. This may leave an orange dust on your fingers.

Staygreen: Or staygreen, refers to the trait allowing plants to keep their leaves on a level of photosynthesis under stressful environmental conditions.

STS: Sulfonylurea-tolerant soybean. This trait was introduced to help growers control broadleaf weeds in 1994.

SWM: Soybean white mold. A disease caused by *Sclerotinia sclerotiorum* favoring cool, cloudy, wet, and humid weather.

Test weight: Bulk density, pounds per bushel.

Tilage system: A sequence of operations manipulating the soil to produce a crop.

Trecepta®: A trait in corn from Bayer to help protect against yield loss by protecting corn crops from many above-ground pests.

Variety: A smaller entity within a kind, or, a seed with different characteristics of another seed. Example: beans and chickpeas

Vigor: Or seed vigor, a property of a seed product that determines the potential for growth and uniformity of the product.

For more detailed information on all products listed, download INTEGRA Product Bulletins at **www.integraseed.com/integra-products**


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FORTIFIED SEED
WILBUR-ELLIS
AGRIBUSINESS
INTEGRASEED.com 877-265-6492 // SEED@WILBURELLIS.COM