



**HARVEST
BOUNTY®**

2021 SEED GUIDE



WILBUR-ELLIS®
AGRIBUSINESS

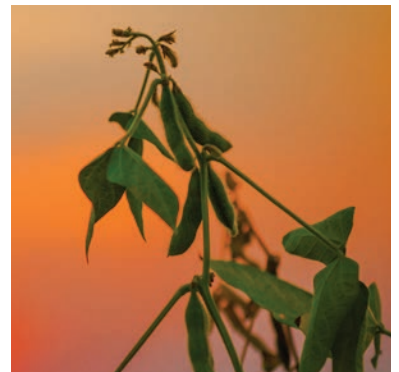


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Always follow grain marketing and IRM requirements and pesticide label directions. Agronomic characteristics and ratings may vary with growing conditions and environment. Ratings are approximate and should not be considered as absolute. Ratings on new products are based on limited data and may change as more data are collected. Extreme or variable conditions may adversely affect performance. WILBUR ELLIS logo and HARVEST BOUNTY are registered trademarks, HARVEST BOUNTY logo is a trademark of Wilbur-Ellis Company LLC.



WELCOME



At Harvest Bounty, your acreage, your family farm, and your business are our #1 priority. Our main objective is to provide you with the means to increase your yields and profitability while still maintaining your goal of growing a sustainable crop with our products.

Our Harvest Bounty line offers you a wide selection of high quality, non-GMO, and conventional corn and soybeans. We also carry a diverse line of pre-blended cover crop mixes. Our sales team can help you design a cover crop blend that is mixed specifically for your fields or current environmental conditions if needed.



At Harvest Bounty, we strive to be a business that is built on flexibility so we can adapt our products according to our producers' needs as the markets and/or weather changes.

Don O'Bryan
Harvest Bounty Seed Brand Manager





HARVEST BOUNTY CORN



**HARVEST
BOUNTY®**



HARVEST BOUNTY Corn Numbering System

HB = Harvest Bounty

HB1690W

Relative Maturity

For 100 RM and later products, the relative maturity is the first two digits + 100. For example, HB1690W is $16 + 100 = \mathbf{116 \text{ RM}}$.

For 99 RM and earlier products, the relative maturity is the first two digits. For example, HB7801 is a **78 RM** hybrid.

Indicates White Corn

Indicates Year of Advancement

Differentiating Digit

Agronomics Ratings Key



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.

NEW

HB0501 | 105 RM
GDU to Mid-Silk 1280

GDU to Black Layer 2600

Pollination for Maturity Medium

Hybrid Highlights

- Widely adapted hybrid with top-end yield and ability to go tough acre
- Good southern movement for RM
- Strong *Goss's Wilt* and lower greensnap risk for Western Corn Belt
- Responsive to added management
- Dual-purpose potential

Agronomics

Staygreen	Average
Greensnap	Very Good
Stalks	Very Good
Roots	Very Good
Early Vigor	Above Avg
Drought Tolerance	Very Good
Test Weight	Above Avg
Silage	Excellent

Water Management

Full Irrigation	HR
Limited Irrigation	HR
Rainfed	HR
Dryland (Stress)	HR

Disease Tolerance

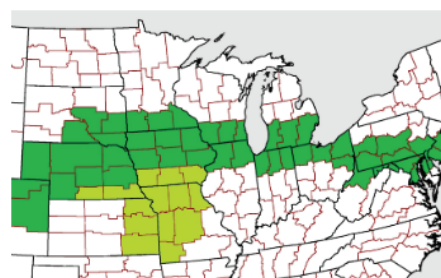
N. Corn Leaf Blight	Very Good
Gray Leaf Spot	Very Good
Southern Leaf Blight	N/A
Goss's Wilt	Very Good
Common Rust	Above Avg
Southern Rust	N/A
Stalk Rot	Above Avg
Ear Rot	N/A

Management Response

Added Management	Excellent
Fungicide Response	Very Good
Average Management	Very Good
Low Management	Very Good

Trait: CONV

Region Adaptability



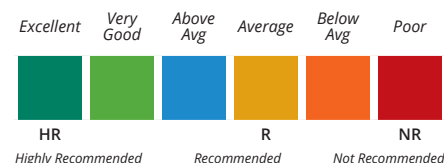
Soil Placement

Course (Droughty)	Very Good
Medium	Excellent
Heavy (Well Drained)	Excellent
Heavy (Poorly Drained)	Excellent
Variable	Excellent

Rotation Management

Rotated Acres	HR
Continuous Corn	R
Continuous Corn w/ Fungicide	R

Key





HB0501 | 105 RM

HARVEST BOUNTY® CORN

Plant Description

Plant Height	Med-Tall
Ear Height	Medium
Leaf Angle	Semi-Upright
Leaf Color	N/A
Leaf Width	N/A
Silk Color	N/A
Anther Color	N/A
Kernel Cap Color	N/A
Kernel Row	16-18
Cob Color	Red
Ear Length	Average
Ear Girth	Semi-Girthy
Ear Type	Semi-Flex
Husk Cover	Medium

Population Management

Yield Environment	Population Range
0-100	14,000-20,000
101-150	20,000-28,000
151-200	28,000-32,000
201-250	32,000-35,000
251-300	35,000-42,000

Herbicide Sensitivity

Growth Regulator	Acceptable
Sulfonyleurea Inhibitors (ALS)	Acceptable
Pigment Inhibitors (HPPD)	Acceptable

Yield Environment Placement

Tough	Very Good
Variable	Excellent
High Yield	Excellent



Performance may vary from location to location and from year to year, as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible and consider the impacts of these conditions on the grower's fields. Always follow grain marketing and IRM requirements and pesticide label directions. Agronomic characteristics and ratings may vary with growing conditions and environment. Ratings are approximate and should not be considered as absolute. Ratings on new products are based on limited data and may change as more data are collected. Extreme or variable conditions may adversely affect performance. WILBUR ELLIS logo and HARVEST BOUNTY are registered trademarks, HARVEST BOUNTY logo is a trademark of Wilbur-Ellis Company LLC.



HB0660 | 106 RM

GDU to Mid-Silk N/A

GDU to Black Layer N/A

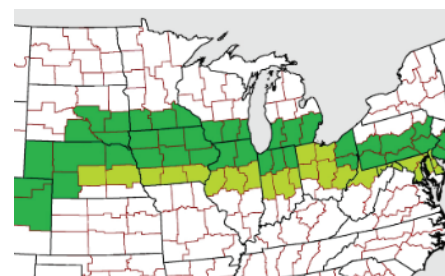
Pollination for Maturity N/A

Hybrid Highlights

- Impressive yield potential with good response to high yield management
- Best placed in zone and north on above average to high yielding farms
- Increased performance when populations are pushed
- Good option for narrow row management
- Strong overall disease package, including *Goss's Wilt*
- Dual-purpose potential

Trait: CONV

Region Adaptability



Agronomics

Staygreen	Very Good
Greensnap	Above Avg
Stalks	Above Avg
Roots	Above Avg
Early Vigor	Above Avg
Drought Tolerance	Above Avg
Test Weight	Very Good
Silage	Very Good

Water Management

Full Irrigation	HR
Limited Irrigation	R
Rainfed	HR
Dryland (Stress)	NR

Disease Tolerance

N. Corn Leaf Blight	Very Good
Gray Leaf Spot	Above Avg
Southern Leaf Blight	Very Good
Goss's Wilt	Very Good
Common Rust	Very Good
Southern Rust	N/A
Stalk Rot	Above Avg
Ear Rot	Above Avg

Management Response

Added Management	Excellent
Fungicide Response	Above Avg
Average Management	Very Good
Low Management	Above Avg

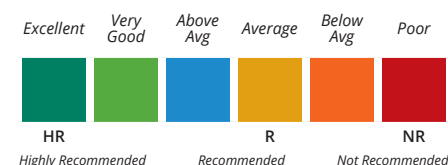
Soil Placement

Course (Droughty)	Average
Medium	Excellent
Heavy (Well Drained)	Very Good
Heavy (Poorly Drained)	Average
Variable	Very Good

Rotation Management

Rotated Acres	HR
Continuous Corn	R
Continuous Corn w/ Fungicide	R

Key





HB0660 | 106 RM

HARVEST BOUNTY® CORN

Plant Description

Plant Height	Tall
Ear Height	Med-High
Leaf Angle	Upright
Leaf Color	N/A
Leaf Width	N/A
Silk Color	N/A
Anther Color	N/A
Kernel Cap Color	N/A
Kernel Row	18-20
Cob Color	Red
Ear Length	Average
Ear Girth	Girthy
Ear Type	Semi-Determinate
Husk Cover	Medium

Population Management

Yield Environment	Population Range
0-100	NR
101-150	NR
151-200	28,000-32,000
201-250	32,000-35,000
251-300	35,000-42,000

Herbicide Sensitivity

Growth Regulator	Acceptable
Sulfonylurea Inhibitors (ALS)	Acceptable
Pigment Inhibitors (HPPD)	Acceptable

Yield Environment Placement

Tough	Below Avg
Variable	Very Good
High Yield	Excellent



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HB0910 | 109 RM

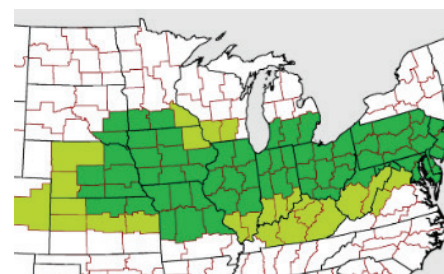
GDU to Mid-Silk N/A
 GDU to Black Layer N/A
 Pollination for Maturity N/A

Hybrid Highlights

- Very good overall agronomics with ability to go marginal acre
- Good southern movement for RM
- Strong overall disease package, including *Goss's Wilt*
- Good late season intactness
- Dual-purpose potential

Trait: CONV

Region Adaptability



Agronomics

Staygreen	Above Avg
Greensnap	Above Avg
Stalks	Above Avg
Roots	Very Good
Early Vigor	Very Good
Drought Tolerance	Very Good
Test Weight	Above Avg
Silage	Very Good

Water Management

Full Irrigation	HR
Limited Irrigation	HR
Rainfed	HR
Dryland (Stress)	HR

Disease Tolerance

N. Corn Leaf Blight	Very Good
Gray Leaf Spot	Very Good
Southern Leaf Blight	Very Good
Goss's Wilt	Very Good
Common Rust	Very Good
Southern Rust	N/A
Stalk Rot	Above Avg
Ear Rot	Above Avg

Management Response

Added Management	Very Good
Fungicide Response	Above Avg
Average Management	Excellent
Low Management	Excellent

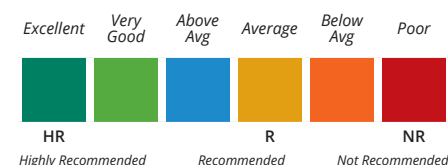
Soil Placement

Course (Droughty)	Very Good
Medium	Excellent
Heavy (Well Drained)	Excellent
Heavy (Poorly Drained)	Very Good
Variable	Excellent

Rotation Management

Rotated Acres	HR
Continuous Corn	HR
Continuous Corn w/ Fungicide	R

Key





HB0910 | 109 RM

HARVEST BOUNTY® CORN

Plant Description

Plant Height	Med-Tall
Ear Height	Med-High
Leaf Angle	Semi-Upright
Leaf Color	N/A
Leaf Width	N/A
Silk Color	N/A
Anther Color	N/A
Kernel Cap Color	N/A
Kernel Row	18-20
Cob Color	Pink
Ear Length	Average
Ear Girth	Girthy
Ear Type	Semi-Flex
Husk Cover	Medium

Population Management

Yield Environment	Population Range
0-100	14,000-20,000
101-150	20,000-28,000
151-200	28,000-32,000
201-250	32,000-35,000
251-300	35,000-42,000

Herbicide Sensitivity

Growth Regulator	Acceptable
Sulfonyleurea Inhibitors (ALS)	Acceptable
Pigment Inhibitors (HPPD)	Acceptable

Yield Environment Placement

Tough	Excellent
Variable	Excellent
High Yield	Above Avg



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NEW

HB1331 | 113 RM

GDU to Mid-Silk 1320

GDU to Black Layer 2775

Pollination for Maturity Medium

Hybrid Highlights

- Acre eater! Good movement east to west, north to south
- Extremely consistent performance across yield environments, soils, and years
- Impressive overall agronomics
- Attractive late-season intactness
- Dual-purpose potential

Agronomics

Staygreen	Very Good
Greensnap	Very Good
Stalks	Very Good
Roots	Very Good
Early Vigor	Above Avg
Drought Tolerance	Very Good
Test Weight	Very Good
Silage	Excellent

Water Management

Full Irrigation	HR
Limited Irrigation	HR
Rainfed	HR
Dryland (Stress)	HR

Disease Tolerance

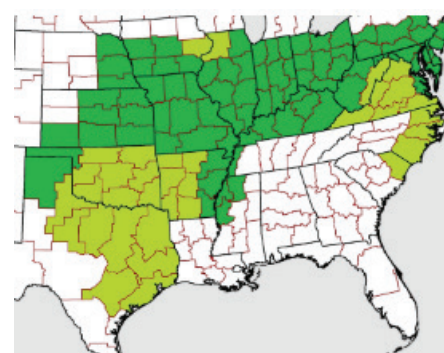
N. Corn Leaf Blight	Very Good
Gray Leaf Spot	Very Good
Southern Leaf Blight	Very Good
Goss's Wilt	Above Avg
Common Rust	Above Avg
Southern Rust	N/A
Stalk Rot	Very Good
Ear Rot	Above Avg

Management Response

Added Management	Above Avg
Fungicide Response	Above Avg
Average Management	Excellent
Low Management	Excellent

Trait: CONV

Region Adaptability



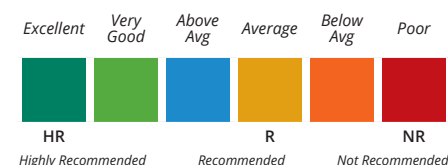
Soil Placement

Course (Droughty)	Very Good
Medium	Excellent
Heavy (Well Drained)	Very Good
Heavy (Poorly Drained)	Very Good
Variable	Excellent

Rotation Management

Rotated Acres	HR
Continuous Corn	R
Continuous Corn w/ Fungicide	R

Key





HB1331 | 113 RM

HARVEST BOUNTY® CORN

Plant Description

Plant Height	Med-Tall
Ear Height	Medium
Leaf Angle	Semi-Upright
Leaf Color	N/A
Leaf Width	N/A
Silk Color	N/A
Anther Color	N/A
Kernel Cap Color	N/A
Kernel Row	14-16
Cob Color	Red
Ear Length	Semi-Long
Ear Girth	Semi-Girthy
Ear Type	Semi-Flex
Husk Cover	Good

Population Management

Yield Environment	Population Range
0-100	14,000-20,000
101-150	20,000-28,000
151-200	28,000-32,000
201-250	32,000-35,000
251-300	35,000-42,000

Herbicide Sensitivity

Growth Regulator	Acceptable
Sulfonylurea Inhibitors (ALS)	Acceptable
Pigment Inhibitors (HPPD)	Acceptable

Yield Environment Placement

Tough	Excellent
Variable	Excellent
High Yield	Excellent



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HB1550 | 115 RM

GDU to Mid-Silk N/A

GDU to Black Layer N/A

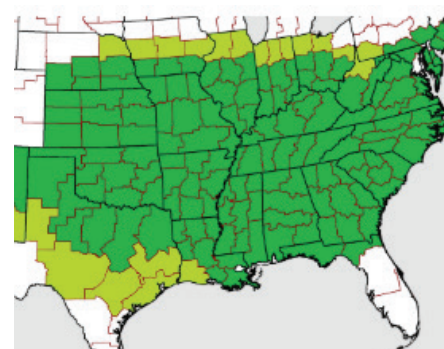
Pollination for Maturity N/A

Hybrid Highlights

- Good overall agronomics
- Impressive performance against key traited checks
- Best performance in zone with good southern movement as well
- Strong overall disease package, including *Goss's Wilt*
- Dual-purpose potential

Trait: CONV

Region Adaptability



Agronomics

Staygreen	Above Avg
Greensnap	Above Avg
Stalks	Very Good
Roots	Above Avg
Early Vigor	Very Good
Drought Tolerance	Very Good
Test Weight	Very Good
Silage	Very Good

Water Management

Full Irrigation	HR
Limited Irrigation	HR
Rainfed	HR
Dryland (Stress)	HR

Disease Tolerance

N. Corn Leaf Blight	Very Good
Gray Leaf Spot	Very Good
Southern Leaf Blight	Very Good
Goss's Wilt	Very Good
Common Rust	Above Avg
Southern Rust	N/A
Stalk Rot	Above Avg
Ear Rot	Above Avg

Management Response

Added Management	Very Good
Fungicide Response	Above Avg
Average Management	Very Good
Low Management	Very Good

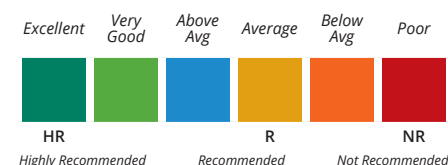
Soil Placement

Course (Droughty)	Very Good
Medium	Excellent
Heavy (Well Drained)	Very Good
Heavy (Poorly Drained)	Above Avg
Variable	Excellent

Rotation Management

Rotated Acres	HR
Continuous Corn	HR
Continuous Corn w/ Fungicide	R

Key





HB1550 | 115 RM

HARVEST BOUNTY® CORN

Plant Description

Plant Height	Med-Tall
Ear Height	Med-High
Leaf Angle	Semi-Upright
Leaf Color	N/A
Leaf Width	N/A
Silk Color	N/A
Anther Color	N/A
Kernel Cap Color	N/A
Kernel Row	18-20
Cob Color	Pink
Ear Length	Semi-Long
Ear Girth	Girthy
Ear Type	Semi-Flex
Husk Cover	Medium

Population Management

Yield Environment	Population Range
0-100	14,000-20,000
101-150	20,000-28,000
151-200	28,000-32,000
201-250	32,000-35,000
251-300	35,000-42,000

Herbicide Sensitivity

Growth Regulator	Acceptable
Sulfonyleurea Inhibitors (ALS)	Acceptable
Pigment Inhibitors (HPPD)	Acceptable

Yield Environment Placement

Tough	Excellent
Variable	Excellent
High Yield	Very Good



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HB1690W | 116 RM

GDU to Mid-Silk N/A
 GDU to Black Layer N/A
 Pollination for Maturity Med-Late

Hybrid Highlights

- Attractive, food grade white corn hybrid with very good overall agronomics
- Strong stalks with impressive late-season intactness
- Strong resistance to ear molds, specifically Fusarium ear molds
- Widely adapted east to west
- Dual-purpose potential

Agronomics

Staygreen	Above Avg
Greensnap	Above Avg
Stalks	Very Good
Roots	Very Good
Early Vigor	Above Avg
Drought Tolerance	Above Avg
Test Weight	Excellent
Silage	Above Avg

Water Management

Full Irrigation	HR
Limited Irrigation	HR
Rainfed	HR
Dryland (Stress)	HR

Disease Tolerance

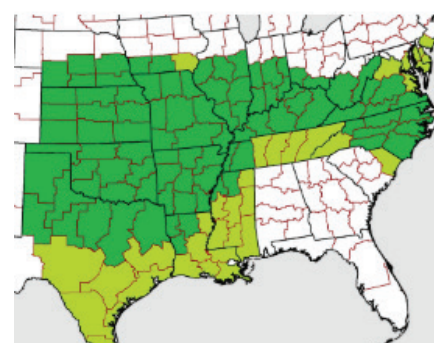
N. Corn Leaf Blight	Above Avg
Gray Leaf Spot	Very Good
Southern Leaf Blight	N/A
Goss's Wilt	N/A
Common Rust	Above Avg
Southern Rust	N/A
Stalk Rot	Very Good
Ear Rot	Very Good

Management Response

Added Management	Above Avg
Fungicide Response	Above Avg
Average Management	Excellent
Low Management	Excellent

Trait: CONV WHITE

Region Adaptability



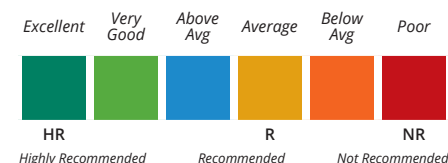
Soil Placement

Course (Droughty)	Above Avg
Medium	Excellent
Heavy (Well Drained)	Very Good
Heavy (Poorly Drained)	Above Avg
Variable	Very Good

Rotation Management

Rotated Acres	HR
Continuous Corn	R
Continuous Corn w/ Fungicide	R

Key





HB1690W | 116 RM

HARVEST BOUNTY® CORN

Plant Description

Plant Height	Med-Tall
Ear Height	Med-High
Leaf Angle	Semi-Upright
Leaf Color	N/A
Leaf Width	N/A
Silk Color	N/A
Anther Color	N/A
Kernel Cap Color	N/A
Kernel Row	16-18
Cob Color	White
Ear Length	Average
Ear Girth	Average
Ear Type	Semi-Flex
Husk Cover	Good

Population Management

Yield Environment	Population Range
0-100	14,000-20,000
101-150	20,000-28,000
151-200	28,000-32,000
201-250	32,000-35,000
251-300	NR

Herbicide Sensitivity

Growth Regulator	Acceptable
Sulfonyleurea Inhibitors (ALS)	Acceptable
Pigment Inhibitors (HPPD)	Acceptable

Yield Environment Placement

Tough	Excellent
Variable	Excellent
High Yield	Above Avg



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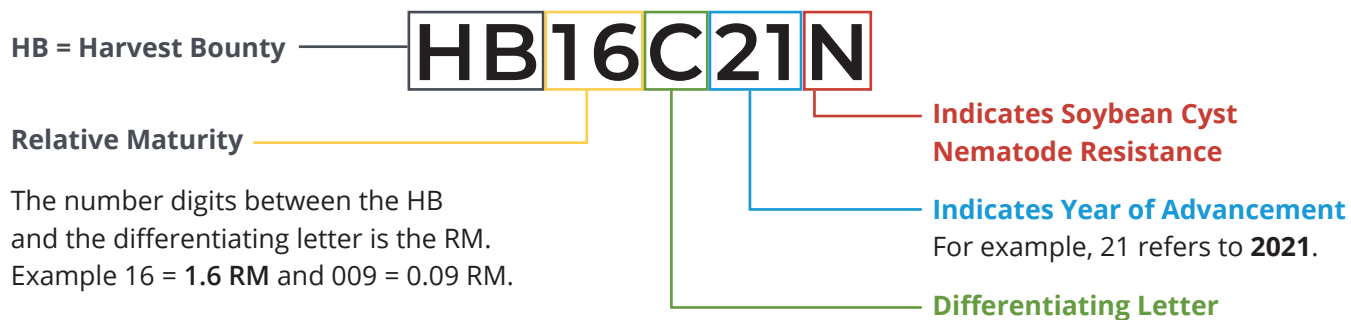
HARVEST BOUNTY SOYBEANS

■ SOYBEAN

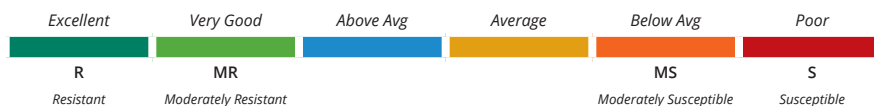




■ HARVEST BOUNTY Soybean Numbering System



■ Agronomics Ratings Key



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NEW


HB16C21N | 1.6 RM

Trait: CONV

Hybrid Highlights

- Very attractive light tawny conventional variety
- Consistent, multi-year performance from South Dakota to Wisconsin
- Good width and height to cover tough acre placement
- Very good IDC tolerance
- Excellent standability

Plant Characteristics

Flower Color	Purple
Pubescence Color	Light Tawny
Pod Color	Brown
Hilum Color	Brown
Plant Type	Bush
Plant Height	Med-Tall
Phytophthora Gene	NG
SCN Gene	PI 88.788

Herbicide Tolerance

Glyphosate	No
Glufosinate	No
Dicamba	No
2,4-D Choline	No
STS	No

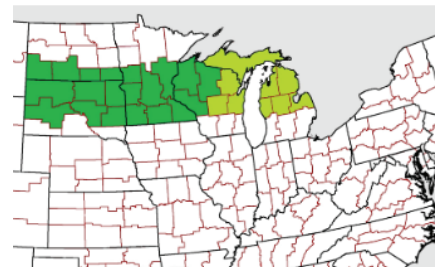
Agronomics

Emergence	Excellent
No-Till	Excellent
Wide Row Adaptation	Excellent
Stress Tolerance	Very Good
Standability	Excellent
Chloride Sensitivity	NA

Disease Tolerance

SDS	NA
PRR Field Tolerance	Very Good
IDC Tolerance	Very Good
BSR	Excellent
White Mold	Above Avg
Root Knot	NA
Stem Canker	NA
Frogeye	NA
Cercospora	NA

Region Adaptability



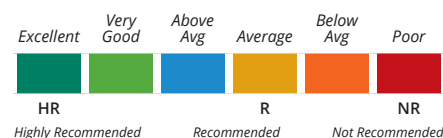
Yield Environment Placement

Tough	Excellent
Variable	Excellent
High Yield	Very Good

Soil Placement

Stress Prone	Very Good
Variable	Very Good
Poorly Drained	Above Avg
Highly Productive	Very Good

Key



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2021 HARVEST BOUNTY SOYBEAN

NEW


HB19C21N | 1.9 RM

Trait: CONV

Hybrid Highlights

- Light tawny conventional variety
- Widely adapted variety east to west across entire late-group I / early-group II zone
- Multi-year performance across extremely variable environments
- Strong overall agronomics!

Plant Characteristics

Flower Color	Purple
Pubescence Color	Light Tawny
Pod Color	Brown
Hilum Color	Black
Plant Type	Bush
Plant Height	Med-Tall
Phytophthora Gene	Rps 1a
SCN Gene	PI 88.788

Herbicide Tolerance

Glyphosate	No
Glufosinate	No
Dicamba	No
2,4-D Choline	No
STS	No

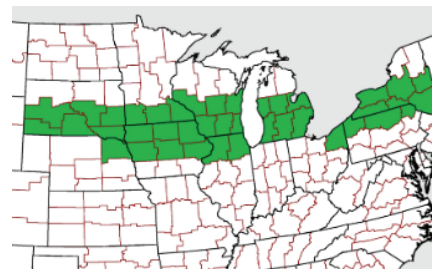
Agronomics

Emergence	Excellent
No-Till	Excellent
Wide Row Adaptation	Excellent
Stress Tolerance	Very Good
Standability	Very Good
Chloride Sensitivity	NA

Disease Tolerance

SDS	Very Good
PRR Field Tolerance	Very Good
IDC Tolerance	Very Good
BSR	Excellent
White Mold	Above Avg
Root Knot	NA
Stem Canker	NA
Frogeye	NA
Cercospora	NA

Region Adaptability



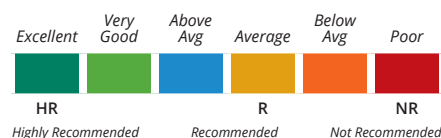
Yield Environment Placement

Tough	Very Good
Variable	Excellent
High Yield	Very Good

Soil Placement

Stress Prone	Very Good
Variable	Excellent
Poorly Drained	Very Good
Highly Productive	Very Good

Key



Performance may vary from location to location and from year to year, as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible and consider the impacts of these conditions on the grower's fields. Always follow grain marketing and IRM requirements and pesticide label directions. Agronomic characteristics and ratings may vary with growing conditions and environment. Ratings are approximate and should not be considered as absolute. Ratings on new products are based on limited data and may change as more data are collected. Extreme or variable conditions may adversely affect performance. WILBUR ELLIS logo and HARVEST BOUNTY are registered trademarks, HARVEST BOUNTY logo is a trademark of Wilbur-Ellis Company LLC.

NEW

HB22C21N | 2.2 RM
Trait: CONV

Hybrid Highlights

- Defensive conventional variety with impressive yield potential
- Very good IDC tolerance
- Good width and height to cover tough acre placement
- Very good SCN tolerance
- Strong IDC tolerance

Plant Characteristics

Flower Color	Purple
Pubescence Color	Gray
Pod Color	Tan
Hilum Color	Buff
Plant Type	Bush
Plant Height	Med-Tall
Phytophthora Gene	Rps 1k
SCN Gene	Peking

Herbicide Tolerance

Glyphosate	No
Glufosinate	No
Dicamba	No
2,4-D Choline	No
STS	No

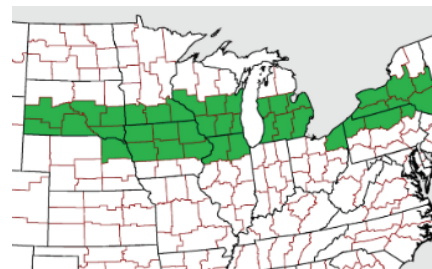
Agronomics

Emergence	Excellent
No-Till	Excellent
Wide Row Adaptation	Excellent
Stress Tolerance	Excellent
Standability	Above Avg
Chloride Sensitivity	NA

Disease Tolerance

SDS	NA
PRR Field Tolerance	Very Good
IDC Tolerance	Very Good
BSR	Below Avg
White Mold	NA
Root Knot	NA
Stem Canker	NA
Frogeye	NA
Cercospora	NA

Region Adaptability



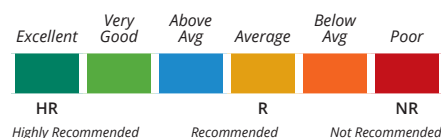
Yield Environment Placement

Tough	Excellent
Variable	Excellent
High Yield	Excellent

Soil Placement

Stress Prone	Excellent
Variable	Excellent
Poorly Drained	Excellent
Highly Productive	Excellent

Key



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NEW


HB24C21N | 2.4 RM

Trait: CONV

Hybrid Highlights

- Must have mid-group II conventional line
- Broadly adapted variety east to west across entire zone
- Very good IDC tolerance
- Good width for quick row closure

Plant Characteristics

Flower Color	Purple
Pubescence Color	Light Tawny
Pod Color	Brown
Hilum Color	Black
Plant Type	Bush
Plant Height	Medium
Phytophthora Gene	NG
SCN Gene	PI 88.788

Herbicide Tolerance

Glyphosate	No
Glufosinate	No
Dicamba	No
2,4-D Choline	No
STS	No

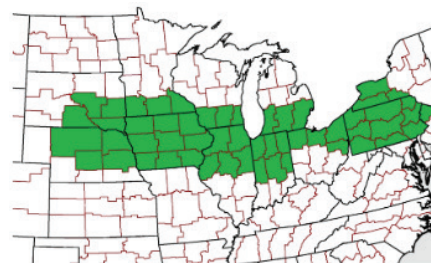
Agronomics

Emergence	Excellent
No-Till	Excellent
Wide Row Adaptation	Excellent
Stress Tolerance	Very Good
Standability	Above Avg
Chloride Sensitivity	NA

Disease Tolerance

SDS	Above Avg
PRR Field Tolerance	Very Good
IDC Tolerance	Very Good
BSR	Below Avg
White Mold	NA
Root Knot	NA
Stem Canker	NA
Frogeye	NA
Cercospora	NA

Region Adaptability



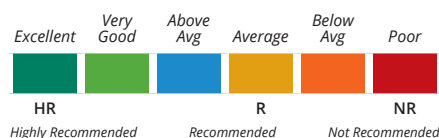
Yield Environment Placement

Tough	Very Good
Variable	Excellent
High Yield	Excellent

Soil Placement

Stress Prone	Very Good
Variable	Excellent
Poorly Drained	Above Avg
Highly Productive	Excellent

Key



Performance may vary from location to location and from year to year, as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible and consider the impacts of these conditions on the grower's fields. Always follow grain marketing and IRM requirements and pesticide label directions. Agronomic characteristics and ratings may vary with growing conditions and environment. Ratings are approximate and should not be considered as absolute. Ratings on new products are based on limited data and may change as more data are collected. Extreme or variable conditions may adversely affect performance. WILBUR ELLIS logo and HARVEST BOUNTY are registered trademarks, HARVEST BOUNTY logo is a trademark of Wilbur-Ellis Company LLC.



GLOSSARY

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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 (Gray Leaf Spot): A fungal disease affecting corn. This disease favors temperatures above 80°F 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.

Northern Corn Leaf Blight: A foliar disease in corn caused by *Exserohilum turcicum* 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.

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 stay-green, refers to the trait allowing plants to keep their leaves on a level of photosynthesis under stressful environmental conditions.

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

Test Weight: Bulk density, pounds per bushel.

Tillage System: A sequence of operations manipulating the soil to produce a crop.

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

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

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