# 2020 PRODUCT GUIDE

LONETREE SEED PRODUCTS, LLC

## LONETREE SEED PRODUCTS SOYBEANS

| | | | PLANT GROWTH CHARACTERISTICS | | | | | | | | | DISEASE TOLERANCE | | | | | | | SOIL TYPES | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | MATURITY | NO-TILL | NARROW ROWS | WIDE ROWS | PLANT TYPE | PLANT HEIGHT | EMERGENCE | STANDABILITY | STRESS TOLERANCE | IDC TOLERANCE | PRR GENE | PRR TOLERANCE | BROWN STEM ROT TOLERANCE | WHITE MOLD | SDS | SCN GREENHOUSE | POORLY DRAINED | WELL DRAINED HIGH FERTILITY | DROUGHT |
| DSR-C999 | ROUNDUP READY 2 | • THE YIELD STANDARD<br>• Great Stress Tolerance<br>• Handles Wet And Salty Ground<br>• Excellent No-Till Emergence | .01 | 9 | 9 | 7 | MB | M | 9 | 8 | 9 | 6 | 3A | 8 | 6 | 7 | N/A | S | | | |
| DSR-0119E | ENLIST E3 | • Best Enlist Soybean For Bean-On-Bean Acres<br>• Excellent Emergence In Cool Soil Conditions<br>• Shortest Maturity Enlist Offering | .01 | 9 | 8 | 6 | MB | M | 9 | 7 | 7 | 5 | 1C | 5 | 5 | 5 | N/A | S | | | |
| Stine 01EA63 | ENLIST E3 | • Excellent Emergence And Strong Standability<br>• Rps3a Phytophthora Gene For Wet Soil<br>• Yielded 104.8% Of Trial Average In Stine's Elite Yield Trial | .01 | 8 | 8 | 8 | MB | MS | 8 | 9 | 8 | 6 | 3A | 8 | 4 | 7 | N/A | S | | | |
| AP-02E9 | ENLIST E3 | • Very High Yield Potential<br>• Medium Bush Soybean That Pods High Off Ground<br>• Good Salt Tolerance<br>• Handles All Soil Types | .02 | 8 | 9 | 7 | M | M | 8 | 8 | 8 | 5 | 3A | 9 | 4 | 7 | N/A | S | | | |
| REA RX0228 | EXTEND | • Big, Tall Soybean<br>• Great White Mold Tolerance<br>• Handles Wide And Narrow Rows | .02 | 8 | 7 | 9 | M | MT | 7 | 7 | 7 | 6 | 1C | 5 | 5 | 7 | N/A | R3 | | | |
| DSR-0200 | ROUNDUP READY 2 | • Tall Bean For Tough Acres And Light Soils<br>• Best Soybean For Bean-On-Bean Acres<br>• Very Uniform And Consistent Soybean | .02 | 8 | 8 | 8 | MB | T | 8 | 7 | 8 | 9 | 1C | 7 | 8 | 6 | N/A | PI88788 | | | |
| AP-0369 | LIBERTY LINK GT27 | • Offensive Soybean That Performs Best On Well Drained Soil<br>• Strong Emergence And Standability<br>• Great Performance In All Row Spacings | .03 | 6 | 9 | 8 | MB | M | 8 | 7 | 7 | 5 | 1C | 5 | 5 | 7 | N/A | S | | | |
| REA RX0330 | EXTEND | • Great Offensive Compliment To RX-0228<br>• SCN Resistant<br>• Improved Yield Over Other 03 Extend Soybeans<br>• REA Exclusive Soybean | .03 | 8 | 8 | 8 | M | M | 7 | 8 | 7 | 6 | 1C | 5 | 5 | 5 | N/A | R3 | | | |


## The Enlist™ System - Get Control of Tough Weeds

Enlist E3 SOYBEANS

- New 2,4-D Choline
- Glyphosate
- Glufosinate

Following burndown, Enlist Duo® and Enlist One® with Colex-D® technology are the only herbicides containing 2,4-D that are labeled for preemergence and postemergence use with Enlist E3™ soybeans.

**Enlist Duo®** COLEX-D® technology
HERBICIDE

- Convenient blend of 2,4-D choline and glyphosate
- Two modes of action to deliver control and help prevent resistance in your fields

**Enlist One®** COLEX-D® technology
HERBICIDE

- Straight-goods 2,4-D choline with additional tank-mix flexibility
- Ability to tank-mix with glufosinate and other qualified herbicides, customizing the ratio of herbicides to match each farm's needs

**On-Target Applications**

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


## CHART KEY

**Plant Type:**
M = Medium
MB = Medium Bushy
B = Bushy

**Plant Height:**
T = Tall
MT = Medium Tall
M = Medium
MS = Medium Short

**Plant Scores:**
1 = Poor
9 = Excellent
N/A = Not Available

**Color Code:**
Excellent Fit
Use Some Caution
There Are Better Choices

**Descriptions:**
PRR- Phytophthora Root Rot
BSR- Brown Stem Rot
IDC- Iron Deficiency Chlorosis
SDS- Sudden Death Syndrome
SWM- Sclerotinia White Mold

## LONETREE SEED PRODUCTS CORN

| | | | PLANT GROWTH CHARACTERISTICS | | | | | | | | | | | | | | | | | DISEASE TOLERANCE | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TRAITS | MATURITY | GDUS TO BLACK LAYER | PLANTING RATE | EAR FLEX | HIGH POPULATION | LOW POPULATION | NO-TILL | PLANT HEIGHT | EAR PLACEMENT | EMERGENCE | SEEDLING VIGOR | ROOT STRENGTH | STALK STRENGTH | DROUGHT TOLERANCE | DRYDOWN | TEST WEIGHT | HARVEST INTACTNESS | NCLB | GOSS'S WILT | ANTHRACNOSE STALK ROT |
| DS-1819AM | • Excellent Stalks And Roots<br>• Elite Flower And Finish<br>• Long Slender Ear Style<br>• Solid Drought Tolerance | Acre Max | 78 | 1860 | M | M | 7 | 7 | 7 | MS | M | 6 | 7 | 8 | 8 | 8 | 8 | 6 | 7 | 7 | 5 | 6 |
| REA 1B781 | • Strong Drought Tolerance<br>• Defensive Companion to 1B780<br>• Decent Ear Flex From Tough Ground | VT Double Pro RIB | 78 | 1950 | MH | M | 8 | 7 | 8 | M | M | 8 | 8 | 7 | 6 | 8 | 7 | 8 | 6 | 7 | 6 | 7 |
| REA 1B780 / 1R780 | • 84 Day Type Ear On A 79 Day Product<br>• Great Ear Flex Allows For Lower Populations<br>• Excellent No-Till Emergence<br>• The New Yield Standard In Sub 82 Day Corn | VT Double Pro RIB RR | 79 | 1975 | M | H | 8 | 9 | 8 | M | M | 8 | 8 | 8 | 6 | 7 | 8 | 7 | 7 | 6 | 6 | 6 |
| REA 1B821 | • Great Yield Potential<br>• Limited Ear Flex<br>• Responds Well To Higher Planting Populations | VT Double Pro RIB | 82 | 2050 | MH | ML | 8 | 6 | 8 | M | ML | 8 | 8 | 7 | 7 | 7 | 7 | 6 | 7 | 8 | 6 | 6 |
| DS-2220AM | • Awesome Drought Tolerance<br>• Verify Early Flowering<br>• Workhorse Type Hybrid | Acre Max | 82 | 1940 | M | M | 7 | 7 | 7 | MT | MH | 7 | 7 | 9 | 7 | 9 | 8 | 5 | 8 | 7 | 8 | 7 |
| REA 2B840 / 2R840 | • Big Yields In A Small Statured Plant<br>• Great Drydown<br>• Good Ear Flex | VT Double Pro RIB RR | 84 | 2100 | M | M | 8 | 8 | 7 | M | M | 7 | 8 | 7 | 7 | 6 | 8 | 6 | 7 | 6 | 5 | 6 |
| DS-9085 | • Versatile High-Hybrid<br>• Top End Yield Potential<br>• Good Performance Across Variable Soils And Plant Rates | Agrisure 3000GT | 85 | 2200 | M | M | 8 | 8 | 7 | M | M | 7 | 7 | 7 | 7 | 7 | 7 | 7 | 8 | 7 | 6 | 7 |
| REA 2B550 / 2R551 | • Widely Adapted Across Varied Conditions<br>• Strong Yield Potential<br>• Excellent Seed Emergence And Vigor | VT Double Pro RIB RR | 85 | 2125 | M | M | 7 | 8 | 8 | MT | MH | 8 | 8 | 7 | 8 | 7 | 6 | 6 | 6 | 7 | 6 | 5 |

## SPECIALTY FERTILIZERS

BONU$™

**7-20-5**
- Increased Yield and Production • Seed Safe at Recommended Rates
- Provides Maximum Available Phosphorus for Top End Yield
- Optimizes Plant Health • Promotes Quick and Uniform Emergence

BONU$+™ PLUS
POWERED BY R.B.T. ROOT BOOST TECHNOLOGY

**8-16-9-1S-.45ZN**
- Exclusive Liquid Starter Fertilizers • Root Boost Technology
- High Ortho/Low Poly • Consistent Low Salt • Seed Safe

BONU$™ SOY

**3-15-15-1S-.20ZN**
- Promotes Maximum Phosphorous and Potassium Uptake
- All In One Exclusive Fertilizer for Soybeans • Highly Readily Available
- Consistent Low Salt • Seed Safe

AP MICROPAK

**.1B-.75CU-.75FE-3MN-1ZN**
- 100% EDTA Micronutrients • Convenient Application Options
- Prevents and/or Corrects Copper, Manganese and Zinc Deficiencies
- Non-corrosive

## CHART KEY

**Planting Rate:**
M = 24 - 28
MH = 28 - 32

**Ear Flex:**
ML = Medium Low
M = Medium
H = High

**Plant Height:**
MS = Medium Short
M = Medium
MT = Medium Tall

**Ear Placement:**
ML = Medium Low
M = Medium
MH = Medium High

**Plant Scores:**
1 = Poor
9 = Excellent

**Description**
NCLB- Northern Corn Leaf Blight

# LONETREE SEED PRODUCTS ALFALFA

## AP-421
- Elite Forage Yield And Quality
- Strong Disease Package
- Healthier For Longer Lasting Stands

## AP-420
- Adaptable To A Wide Range Of Soils & Environments
- Excellent Resistance To Root Rot Disease
- Very Good Forge Yield Potential

## AP-318
- Widely Adapted For Most Yield Environments
- Extremely Winterhardy

## HybriForce-4400
- Highest Yielding Alfalfa There Is
- Excellent Winter Survival
- Oustanding Yield Potential In The Establishment Year

## HybriForce-3400
- Exceptional Yield Potential In Good Years And In Drought Years
- Awesome Leaf Retention In Good Conditions and Under Stress

## Magnum Salt
- Salt Tolerant Alfalfa Used To Reclaim Salt Damaged Fields
- Selected And Bred From Saline Soils In North Dakota
- Able To Thrive In Wet Soils

# SPECIALTY CROPS

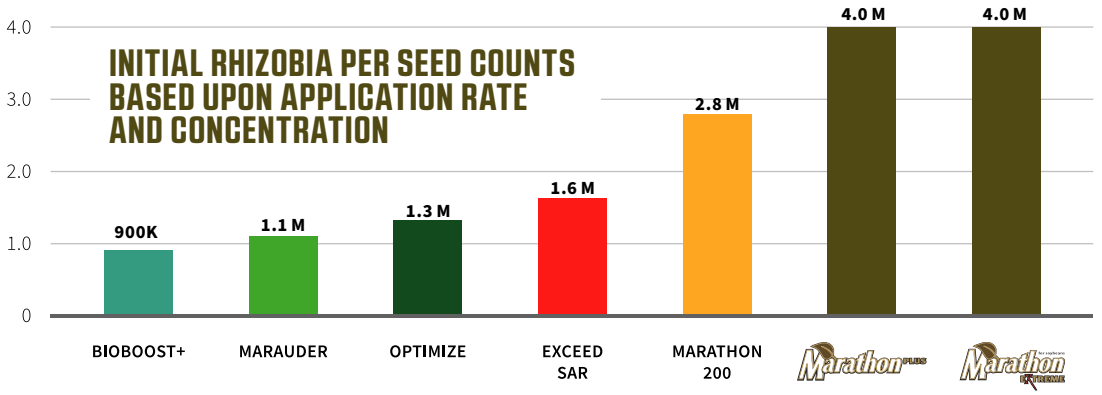
Choose from a variety of our AP Select brand specialty crops including, Forage Crops, Grasses and Cover Crops. Our wide range of crops serve all purposes from feed to grain to soil health.

**FORAGE CROPS**
- Forage Sorghum
- Sorghum
- Sorghum Sudan Grass
- Sudan Grass
- Millet

**COVER CROPS**
- Turnips
- Radish
- Rape Seed
- Lentils
- Clovers
- Grasses

# SEED TREATMENT

Marathon for soybeans EXTREME  Marathon PLUS




NexLevel Seed Treatment System™

**CUSTOM BLEND SEED TREATMENT**

**FUNGICIDE**

**INSECTICIDE**

**FOR SALE AND PLANTING IN THE U.S. ONLY.**

**PRODUCT USE STATEMENT :** Enlist E3™ soybeans contain the Enlist E3 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 E3 soybeans.

**WARNING:** Enlist E3 soybeans are tolerant of over the top applications of glyphosate. glufosinate, and 2,4-D. **Accidental application of incompatible herbicides to this variety could result in total crop loss.** When using 2,4-D herbicides, grower agrees to only use 2,4-D products that contain Colex-D technology authorized for use in conjunction with Enlist E3 soybeans. Always read and follow herbicide label directions prior to use.

**PLEASE READ CAREFULLY.** By opening this bag or planting this seed, you acknowledge and agree to the following terms, personally and on behalf of the individual or entity that purchased this seed {"Grower"), 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 this seed, you must have a limited license from Dow AgroSciences LLC (or other appropriate affiliates). No license or sublicense is conveyed to use these seeds solely by the purchase /bailment/ transfer of such seeds. In consideration of the foregoing, Dow AgroSciences grants to the Grower the limited license to use its technology to product 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.

**Herbicides** - When using 2,4-D herbicides, grower agrees to only use 2,4-D products that contain Colex-D® technology authorized for use in conjunction with Enlist E3™ soybeans.

Dow AgroSciences is a member of Excellence Through Stewardship® (ETS). Dow AgroSciences products are commercialized in accordance with ETS product launch stewardship guidance and Dow AgroSciences Product Launch Stewardship Policy. No crop or material produced from this product can be exported to, used, processed or sold across boundaries into nations where import is not permitted . Growers should talk to their grain handler or product purchaser to confirm their buying position for this product. For further information about your crop or grain marketing options, contact DAS at 877-4-TRAITS (877-487-2487). Information regarding the regulatory and market status of agricultural biotechnology products can be found at: www.biotradestatus.com.

These seeds are covered under Dow AgroSciences and M.S. Technologies, L.L.C. Patent Rights which can be found at: www.corteva.us/Resources/traitstewardship.html. The purchase of these seeds conveys no license under said patents to use these seeds.

Enlist E3™ soybeans were jointly developed by Dow AgroSciences LLC and M.S. Technologies, L.L.C.®™ Enlist, Enlist E3, the Enlist E3 logo, and Colex-D are trademarks of The Dow Chemical Company ("Dow") or an affiliated company of Dow. Excellence Through Stewardship is a registered trademark of Excellence Through Stewardship.

**LIBERTYLINK® GT27™ SOYBEAN USE RESTRICTION AGREEMENT**

This LibertyLink® GT27™ Soybean Use Restriction Agreement (the "Agreement") applies to all users of LibertyLink® GT27™ soybeans ("User(s)"). If you purchase LibertyLink® GT27™soybeans, you agree that you and any person or entity, including employees, representatives, contractors and agents thereof, who plants, grows, cultivates or otherwise uses LibertyLink® GT27™ soybeans, will abide by these use restrictions. If you open or cause any person or entity to open a package of LibertyLink® GT27™ soybeans, you agree that you and your employees, representatives, contractors and agents will abide by these use restrictions. The transgenic soybean event contained in the LibertyLink GT27 soybean is protected by one or more U.S. Patents, including patent numbers RE44,962, 8,592,650 and 9,062,324. For additional patent information, please visit http://www.mstechseed.com.

Seeds containing the LibertyLink® trait may be protected under one or more U.S. patents and may be planted only to produce one (1) commercial crop in a single season, and only after signing a BASF Grower Technology Agreement. It is illegal to save seeds containing the LibertyLink trait for use as planting seed or for transfer to others for use as planting seed. LibertyLink® GT27™ soybeans offer triple stack tolerance to Liberty, glyphosate, and, pending EPA approval, the first HPPD based herbicide for soybeans. LibertyLink GT27 is not tolerant to all HPPD herbicides. HPPD herbicides currently on the market are prohibited for use with LibertyLink GT27 soybeans and may result in significant crop injury.

**Always read and follow label directions.** Liberty and LibertyLink are registered trademarks of BASF. GT27 is a trademark of M.S. Technologies, L.L.C. and BASF. MS Technologies is a trademark of M.S. Technologies, L.L.C. ©2019 BASF Corporation / M.S. Technologies, L.L.C. All Rights Reserved. APN 18-INT-0014

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 should consider the impacts of these conditions on the grower's fields. AP Select doesn't guarantee yield. **ALWAYS READ AND FOLLOW ALL PRODUCTS LABEL DIRECTIONS**

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# IT'S TIME TO MAKE EVERY SEED COUNT

AP SELECT™

## YOUR GROWTH STARTS WHEN YOU PARTNER WITH AP SELECT

A premiere seed line extending from the locally owned family business you know and trust. Our superior genetics and traits offer a fit for any field, as AP Select's seed line has been tested and proven to maximize your results. With years of experience in the seed industry, we strive to bring you the most up to date genetics and traits. Our seed is crafted with the farmer in mind, from specialized agronomy to quality assurance, we proudly bring value to your field as your partner in seed. **Reliability is our promise and growth is our proof.**