

O'BRIEN HYBRIDS

SEED PRODUCT GUIDE

2023/2024



O'Brien
Hybrids

CORN • SOYBEANS • ALFALFA • FORAGE • SMALL GRAINS

2023 has been a year of many challenges. Today's improved hybrid genetics have done an excellent job handling the stressful conditions of the early summer. However Mother Nature did come through with enough rain to get us by.

One big change is the elimination of the 4000 series of our lines. The 4101 & 4106GTCBLLRW hybrids contained a single root worm event and the EPA has discontinued their use. As a result, the 8000 series which contains Duracade® and has several modes of action to control rootworms.

Waterhemp continues to be a consistent weed problem. Please keep in mind that both Enlist Soybean and Enlist Corn can be sprayed with Glyphosate, 24D-Colex and Liberty for greater weed control.

Again, we stress the importance of checking hybrid variety numbers, bags, bag tags, and labels to make sure that the seed product is compatible with your crop and spraying plans.



Don Hanke and Darwin Lawson

Call O'Brien Hybrids toll free at 1-800-925-2676
for a price quote or contact your Seed Representative:

Darwin Lawson
Darlington, WI
Cell: 608-553-4053
darwin.lawson@gmail.com











Don Hanke
Chilton, WI
Cell: 920-366-7101
hanke_don@yahoo.com

**Early Order and
Payment Discounts
Available**

**See your
O'Brien Hybrids
Representative.**

Aerial photos provided by Bob Battista

TRAITS AVAILABLE FOR CORN

Trait	Herbicide Tolerance	Insects Controlled or Suppressed Above/Below Ground	Trait	Herbicide Tolerance	Insects Controlled or Suppressed Above/Below Ground
GT Agrisure® GT 	Glyphosate		3110 Agrisure Viptera® 3110 	Glyphosate, Glufosinate (Liberty)	Pests controlled: European corn borer, southwestern corn borer, southern cornstalk borer, lesser cornstalk borer, sugarcane borer, black cutworm, beet armyworm, common stalk borer, western bean cutworm, corn earworm, true armyworm, fall armyworm, dingy cutworm.
GTCBLL Agrisure® GT/CB/LL  	Glyphosate, Glufosinate (Liberty)	Pests controlled: European corn borer, southwestern corn borer, southern cornstalk borer, lesser cornstalk borer and sugarcane borer. Pests suppressed: Corn earworm, fall armyworm, beet armyworm and common stalk borer.	D Duracade® Refuge Renew™   	Glyphosate, Glufosinate (Liberty)	Pests controlled: European corn borer, southwestern corn borer, black cutworm, beet armyworm, southern cornstalk borer, lesser cornstalk borer, sugarcane borer, western corn rootworm, northern corn rootworm and Mexican corn rootworm. Pests suppressed: Corn earworm, western bean cutworm, fall armyworm and common stalk borer.
			PowerCore® Enlist®   	Glyphosate, Glufosinate (Liberty) 2,4-D with COLEX-D	Primary Pest Controlled Black cutworm Corn Earworm European corn borer Fall Armyworm Southwestern corn borer

Hybrids beginning with the following numbers will help identify the traits they contain.

- 1 = Conventional
- 2 = Glyphosate, LibertyLink, 2,4-D with COLEX-D, Tolerant, Corn Borer, PowerCore Enlist
- 3 = Glyphosate Tolerant
- 5 = Glyphosate, LibertyLink Tolerant, Corn Borer, Agrisure Viptera® 3110
- 6 = Glyphosate, LibertyLink Tolerant, Corn Borer
- 8 = Glyphosate, LibertyLink Tolerant, Corn Borer, Duracade®, Corn Rootworm

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Important: Always read and follow label and bag tag instructions; only those labeled as tolerant to glufosinate may be sprayed with glufosinate ammonium based herbicides.

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



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 agreement that you sign. By opening and using a bag of seed, you are reaffirming your obligation to comply with the most recent stewardship requirements.



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



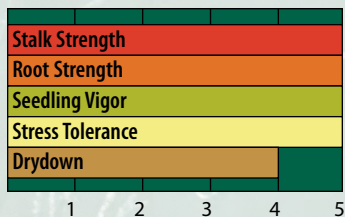
Seed products with the LibertyLink® (LL) trait are resistant to the herbicide glufosinate ammonium, an alternative to glyphosate in corn, and combine high-yielding genetics with the powerful, non-selective, postemergent weed control of Liberty® herbicide for optimum yield and excellent weed control. LibertyLink®, Liberty® and the Water Droplet logo are registered trademarks of BASF.

CONVENTIONAL HYBRIDS

O'B1078

78 day RM

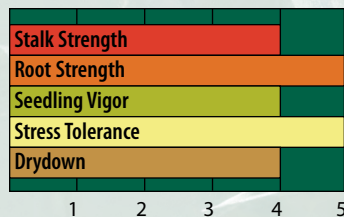
A super early hybrid that can take stress and variable soil types. An early work horse hybrid that will get big enough for silage use. A lot of health for its maturity..



O'B1085

85 day RM

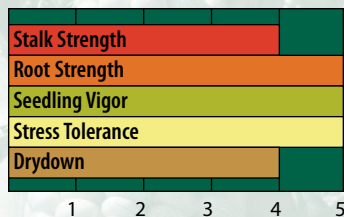
Medium tall and early. A dual purpose hybrid. Excellent plant health and very good stay green allows this hybrid to be used in all cropping situations.



O'B1090

90 day RM

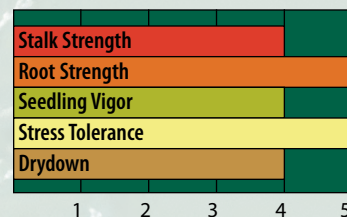
Good yields can be expected from this wide leafed standard canopy hybrid. Medium placed ears with deep kernels of nice quality. Plant at medium high populations.



O'B1096

95 day RM

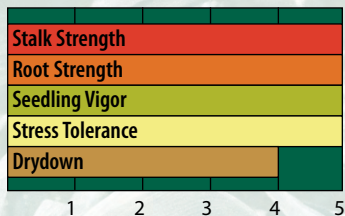
A reintroduction of a former hybrid. Comparing plot yields we are finding that this hybrid needs to be in our program. Very good plant health and roots will pump out satisfying yields.



O'B1100

100 day RM

Great genetics team up to make this robust medium-tall hybrid. Healthy standard leaf canopy. Dual purpose hybrid for an early line.

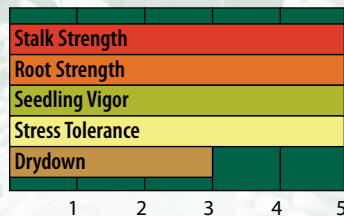


O'B1103

103 day RM

NEW

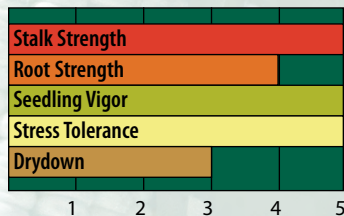
Two healthy inbreds combine to make this tall upright leafed hybrid. A real winner. Plot results indicate top notch yields. This hybrid can handle draught stress and tough conditions. Dry down could be slower due to late season intactness.



O'B 1135W

104 day RM

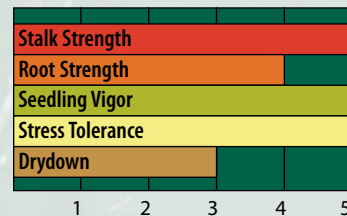
Early season vigor gets this hybrid off to a fast start. Wide leaf with standard leaf canopy and medium tall plants. This white cob hybrid has excellent silage palatability.



O'B1105

105 day RM

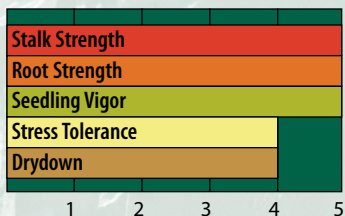
A very healthy dual purpose hybrid having strong agronomics. Plot history indicates great yields to challenge any mid-season hybrid. Outstanding silage performance can be expected from this tall hybrid with med-high ear placement. Highest yielding Hybrid in State Yield Trials - 2021 in it's zone.



O'B1165

106-107 day RM

A taller hybrid with wide dark green leaves. Flex ears of good quality grain positioned medium-high on very healthy stalks. Very good emergence for a fast start. Good plant health for a strong finish. A dual purpose hybrid. Trial winner in 2014.

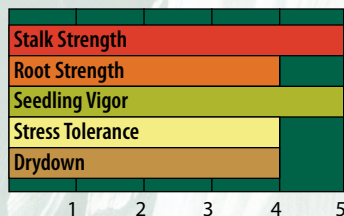


O'B1107

107 day RM

NEW

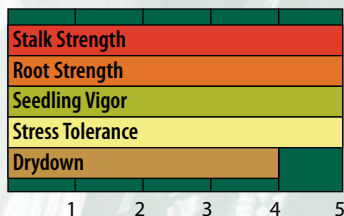
A medium tall hybrid with standard leaf canopy. A hybrid that is related to OB1109 but with better drydown. Good stalk strength and plant intactness to carry it through stress conditions.



O'B1185

108 day RM

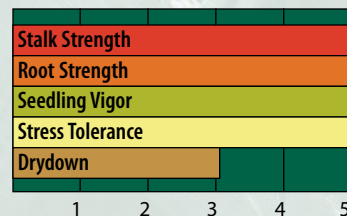
A taller showy hybrid with great agronomics and good yield punch. Shows some natural ECB tolerance for improved stalks.








O'B1109

109 day RM

A late season hybrid that can pump out great yields. Qualifies for dual purpose use. Top notch yields can be expected across soil types. Medium tall showy wide leaf plants with standard canopy having great health and stay green. Excellent tar spot resistance.



How does PowerCore® trait technology stack up?

Primary Pest Controlled	PowerCore® Enlist® corn	VT Double PRO® corn
 Black cutworm	✓	NONE
 Corn earworm	✓✓	✓✓
 European corn borer	✓✓✓	✓✓
 Fall armyworm	✓✓✓	✓✓
 Southwestern corn borer	✓✓✓	✓✓

3 modes of action

Checkmarks represent number of modes of action for control over specified pest.

* PowerCore Enlist corn requires a 5% refuge in the Corn Belt and a 20% refuge in cotton-growing areas.

SEED TREATMENT

Bio-Forge Seed Treatment

Can be used on any crop. An economical and convenient way to apply this growth enhancing antioxidant that has shown excellent yield trial results.

Seed Applied Insecticides

Offers broad-spectrum protection against early-season insects and disease. It is required on all O'Brien rootworm products but can be applied to any seed upon request.



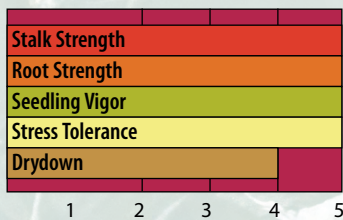
HERBICIDE TOLERANT WITH CORN BORER/ POWERCORE® ENLIST®



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 agreement that you sign. By opening and using a bag of seed, you are reaffirming your obligation to comply with the most recent stewardship requirements.

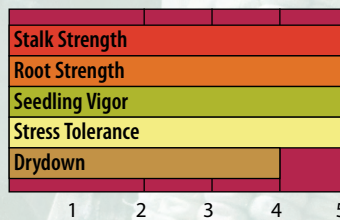
OB2102PCE 102 day RM

Great plant integrity, solid agronomics and showy fall appearance combine to make this mid-season hybrid one that you will want to plant.



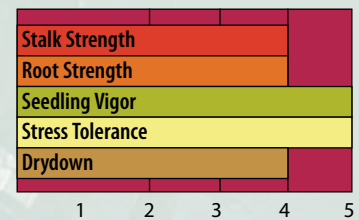
OB2106PCE 106 day RM

You can expect great things from this new hybrid. A PowerCore version of our popular O'B1105. Showy plant style and great overall plant health. Dual purpose hybrid with consistent ears. Plant at medium high populations for great yields.



OB2111PCE 111 day RM

Robust showy hybrid. Excellent grain and silage performance with top feeding values with long harvest window. Excellent milk per ton rating. Medium- tall hybrid with medium ear placement. This hybrid shows strong tar spot tolerance.



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

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

IRM - Properly managing trait technology is key to preserving it as a long-term crop protection tool. Growers who fail to comply with IRM requirements risk losing access to this product. To help preserve the effectiveness of B.t. corn technologies, growers planting B.t. corn technologies are required to follow an IRM Plan. Consult the Corn Product Use Guide for appropriate refuge configuration options. Before opening a bag of seed, be sure to read, understand and accept the stewardship requirements, including applicable refuge requirements for insect resistance management, for the biotechnology traits expressed in the seed as set forth in the Technology Use Agreement and Product Use Guide. By opening and using a bag of seed, you are reaffirming your obligation to comply with the most recent stewardship requirements. For complete details on IRM requirements for hybrids with Bt technology, including refuge examples and important information on the use of insecticides on refuge and Bt corn acres, please consult appropriate Product Use

Guide. Go to www.corteva.us/Resources/trait-stewardship.html to download the latest Corteva Agriscience Corn Product Use Guide.

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

PCE – PowerCore® Enlist® Refuge Advanced® corn products with HX1, VTP, ENL, LL, RR2. Contains a single-bag integrated refuge solution for above-ground insects. In EPA-designated cotton-growing counties, a 20% separate corn borer refuge must be planted with PowerCore Enlist Refuge Advanced products.

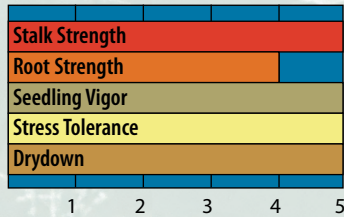
HERBICIDE TOLERANT HYBRIDS

O'B3078GT

78 day RM



A super early hybrid that can take stress and variable soil types. An early work horse hybrid that will get big enough for silage use. A lot of health for its maturity..

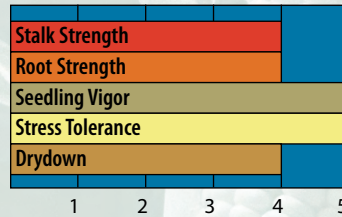


O'B3094GT

95 day RM



A taller hybrid with excellent silage utility. Medium dry down with excellent plant health. A work horse hybrid for less productive soils. Excellent grain quality with average test weight.

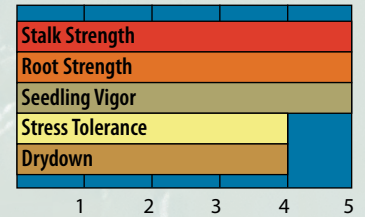


O'B3101GT

101 day RM



Unique genetics combine to produce this great mid-season hybrid. Dual purpose aspect for grain or silage use. Excellent yield results can be expected. Strong health and agronomics. Upright leaf canopy with medium placed ears.

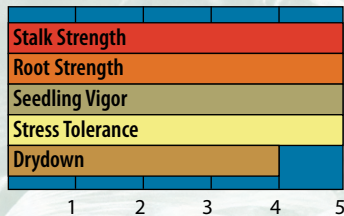


O'B3103GT

103 day RM



Very impressive hybrid. Features taller plants, with medium-high ear placement. Great plants, healthy stalks. Roots are top notch.



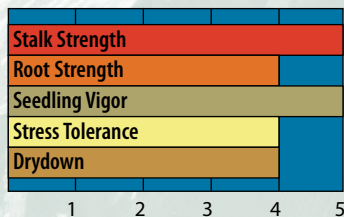
O'B3105GT

105 day RM

NEW



Medium tall standard canopy. Wide leaf plants with medium high flex ears having good grain quality. Very good late season plant health with medium drydown. Strong yield punch can be expected. Good silage utility.



- Provides tolerance to in-crop applications of glyphosate-based herbicides while offering growers a full range of assurances and the freedom to choose their preferred glyphosate brand.
- Exhibits outstanding tolerance to in-crop applications of glyphosate-based herbicides—the active ingredient in Roundup® and Touchdown® herbicides.



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LibertyLink® Corn

The LibertyLink® system enables powerful Liberty®, the only working nonselective herbicide that is effective on tough-to-control grasses and broadleaves, for over-the-top use on over 50 million LibertyLink®-enabled corn hybrid acres with Herculex®, Genuity® SmartStax® and Agrisure® hybrids with corn borer protection.

The LibertyLink system is a simply better solution built upon high-performing genetics and excellent weed control that delivers real yield.

Refuge Planting Designs Northern Cornbelt

On each farm, plant up to 80% Corn Borer and/or Corn Rootworm hybrids and a 20% or greater non-Corn Borer or Non-Corn Rootworm refuge

- can treat with any non-BT insecticide, but only as needed

Adjacent

Can be separated by a road, path, ditch, etc., but not by another field.

1/2 Mile Option

Corn Corer Refuge Option Only

Within

Block

Strips (Split Planter)

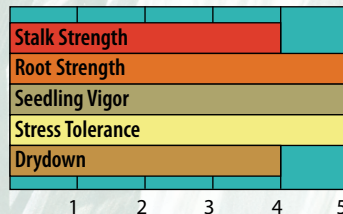
Perimeter

HERBICIDE TOLERANT WITH CORN BORER/VIPTERA®

O'B5108GTCBLLBL
108 day RM



A very impressive hybrid with strong agronomics and lots of eye appeal. Contains the Viptera® trait for improved above ground insect control. A dual purpose hybrid excellent for silage use.



1 = Satisfactory, 3 = Good, 5 = Excellent



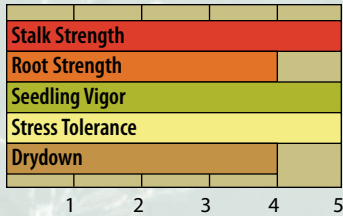
HERBICIDE TOLERANT WITH CORN BORER

O'B6091GTCBLL

91 day RM



You can expect great things from this new hybrid. Solid stalks and roots and stress tolerance make this hybrid produce. Showy plants with wide leaf habitat. Medium-tall plants with medium ear placement.



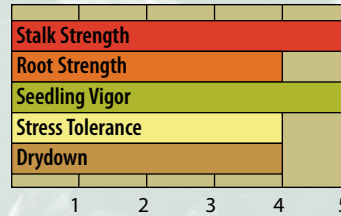
O'B6095GTCBLL

95 day RM

NEW



Medium plant height, wide leaved with standard leaf canopy. Wider deep kernels can be expected with medium ear placement...

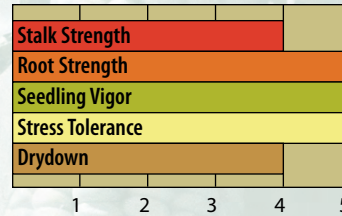


O'B6100GTCBLL

100 day RM



Robust showy hybrid. Excellent grain and silage performance with top feeding values with long harvest window. Excellent milk per ton rating. Medium-tall hybrid with medium ear placement. This hybrid shows strong tar spot tolerance.

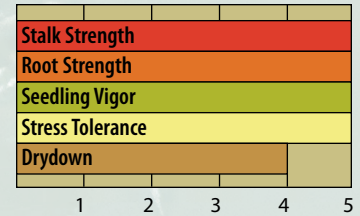


O'B6103GTCBLL

103 day RM



Very impressive hybrid. Features taller plants, with medium-high ear placement. Great plants, healthy stalks. Roots are top notch. Good kernel depth for great yields. A good upgrade from OB6104.

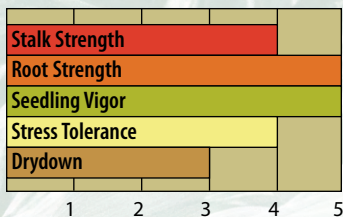


O'B6175GTCBLL

107 day RM



This showy dual purpose hybrid is a winner either way. Taller plant height with medium placed ears. Robust statured hybrid with a long harvest window. This hybrid will get your attention. Silage trial rating of top milk per acre in its zone.



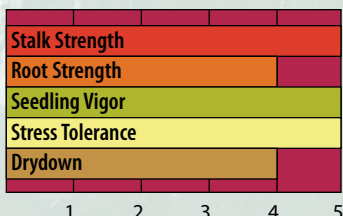
HERBICIDE TOLERANT WITH CORN BORER/ DURACADE® CORN ROOTWORM/Refuge Renew™



O'B8104-5122GTCBLLDC

104 day RM

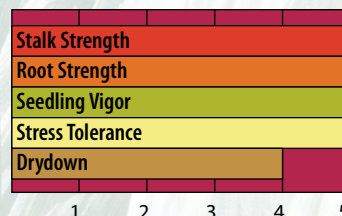
Med-tall to taller wide leaf standard canopy plants with med-high ear placement. Very good late season plant health for later season harvest. Includes Duracade® trait for top notch rootworm control.



O'B8108-5122GTCBLLDC

108 day RM

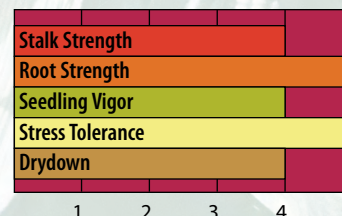
A full season hybrid with attractive, robust plants having standard leaf orientation. Very girthy ears are placed medium-high on excellent stalks.



O'B8114-5122GTCBLLDC

114 day RM

A full season hybrid loaded with traits. A taller hybrid with medium-high ear placement. Good drydown for its maturity. Proven high yields with good stalk health.



The Duracade® Refuge Renew™ trait stack provides multiple modes of action against corn rootworm and corn borer, as well as suppression of ear-feeding insects. This trait stack features the Duracade® trait, a unique mode of action that controls corn rootworm differently than other products on the market, a structured refuge is required.

1 = Satisfactory, 3 = Good, 5 = Excellent

Seed applied insecticides are always applied to seed that contain the Rootworm Trait, however it can also be applied to any seed upon request.

As always we stress paying attention to the bag tags and labels to make sure that the products you receive meet your crop production and spraying plans

HYBRID CHARACTERISTIC CHART

Variety	RM	Plant Ht.	Ear Ht.	Stalk Strength	Root Strength	Seedling Vigor	Stress Tolerance	Dry Down	Ear Rows	Cob Color	Plant Pop.	Plant Health
CONVENTIONAL HYBRIDS												
0'B 1078	78	M	M	5	4	5	5	5	14-16	R	34-38	5
0'B 1085	85	M-T	M-L	4	5	4	5	4	14-16	R	34-36	5
0'B 1090	90	M	M	4	5	5	5	4	14-16	R	32-34	4
0'B 1096	96	M	M	4	5	4	5	4	16-18	R	34-38	5
0'B 1100	100	M-T	M	5	5	5	5	4	16-18	R	34-38	5
0'B 1103	103	T	M-H	5	5	5	5	3	16-18	R	34-38	5
0'B1135W	104	M-T	M	5	4	5	5	3	16-18	W	32-36	4
0'B 1105	105	T	M-T	5	4	5	5	3	16-18	R	34-38	5
0'B 1165	107	T	M-H	5	5	5	4	4	16-18	R	32-36	5
0'B 1107	107	M-T	M	5	4	5	5	4	16-18	R	32-38	4
0'B 1185	108	T	M-H	5	5	5	5	4	16-18	R	34-38	5
0'B 1109	109	T	M-H	5	5	5	5	3	16-18	R	32-38	5
HERBICIDE TOLERANT WITH CORN BORER / POWERCORE® ENLIST®												
0'B 2102PCE	102	M	M	5	5	5	5	4	18-20	P	32-36	5
0'B 2106PCE	106	T	M-H	5	5	5	5	4	16-18	R	32-36	5
0'B 2111PCE	111	T	H	4	4	5	5	4	16-18	P	32-36	5
HERBICIDE TOLERANT HYBRIDS												
0'B 3078GT	78	M	M	5	4	5	5	5	14-16	R	34-38	5
0'B 3094GT	94	T	M	4	4	5	5	4	16-18	P	32-36	5
0'B 3101GT	101	M-T	M	5	5	5	4	4	16-18	R	32-38	5
0'B 3103GT	103	M-T	M-H	5	5	5	5	4	16-18	R	34-38	5
0'B 3105GT	105	M-T	M	5	4	5	4	4	18-20	R	32-38	5

KEY: 5 = Excellent, 1 = Satisfactory, L = Low, F = Flexible, V = Variable, T = Tall, M = Medium, S = Short, H = High, R = Red, P = Pink, W = White

Variety	RM	Plant Ht.	Ear Ht.	Stalk Strength	Root Strength	Seedling Vigor	Stress Tolerance	Dry Down	Ear Rows	Cob Color	Plant Pop.	Plant Health
HERBICIDE TOLERANT WITH CORN BORER/VIPTERA®												
O'B 5108GTCBLLBL	108	M-T	M	5	4	5	5	4	16-18	R	30-34	5
HERBICIDE TOLERANT WITH CORN BORER												
O'B 6091GTCBLL	91	M-T	M	5	4	5	5	4	16-18	R	28-34	5
O'B 6095GTCBLL	95	M	M	5	4	5	4	4	18-20	P	32-38	4
O'B 6100GTCBLL	100	M-T	M	4	5	5	5	4	16-18	P	28-34	5
O'B 6103GTCBLL	103	M-T	M-H	5	5	5	5	4	16-18	R	34-38	5
O'B 6175GTCBLL	107	T	M	4	5	5	4	3	18-20	R	32-36	5
HERBICIDE TOLERANT WITH CORN BORER/CORN ROOTWORM/DURACADE®												
O'B 8104-5122	104	M-T	M-H	5	4	4	5	4	18-22	R	32-38	5
O'B 8108-5122	108	T	M-H	5	5	5	5	4	14-16	R	32-38	5
O'B 8114-5122	114	M-T	M-H	4	5	4	5	4	18-20	R	34-38	5

KEY: 5 = Excellent, 1 = Satisfactory, L = Low, F = Flexible, V = Variable, T = Tall, M = Medium, S = Short, H = High, R = Red, P = Pink, W = White



HYBRID COMPARISON CHART

	POWERCORE ENLIST	SYNGENTA CORN TRAITS			
Conventional Corn	Glyphosate Liberty Link and 2,4-D Colex-D Tolerant Corn Borer	Glyphosate and LibertyLink Tolerant Corn Borer	Glyphosate and LibertyLink Tolerant Corn Borer Viptera®	Glyphosate Tolerant GT	Glyphosate Tolerant Corn Borer Root Worm Refuge Renew™
O'B 1078				O'B 3078GT	
O'B 1085					
O'B 1090					
		O'B6091GTCBLL			
				O'B 3094GT	
		O'B6095GTCBLL			
O'B 1096					
		O'B 6100GTCBLL			
O'B 1100					
				O'B 3101GT	
	OB2102PCE				
O'B 1103					
		O'B6103GTCBLL		O'B3103GT	
O'B1135W					
					O'B 8104-5122
				O'B3105GT	
O'B1105	OB2106PCE				
O'B 1165					
O'B1107					
			O'B5108GTCBLLBL		
		O'B6175GTCBLL			
					O'B 8108-5122
O'B 1185					
O'B 1109					
	O'B2111PCE				
					O'B8114-5122

Table of Favorable Conditions for Leaf Spot Development on Corn

	<i>Temperature</i>	<i>Moisture</i>
Common rust	61-77°	More than 6 hours of leaf wetness
Gray leaf spot	77-88°	11-13 hours of dew or fog; relative humidity in the canopy above 90% for 12 hours
Northern corn leaf blight	65-75°	More than 6 hours of leaf wetness
Southern rust	77-82°	More than 6 hours of leaf wetness
Tar Spot	60-70°	More than 7 hours of leaf wetness



SOYBEANS

HERBICIDE TOLERANT SOYBEANS

O'SOY1901GT

O'SOY1901GT is Glyphosate tolerant. Plant is medium height with good standability and semi-bushy planting in rows or drilled. A good disease rating on SDS & BSR and a rating of 1.7 on white mold & 1.6 shattering.

GLYPHOSATE
TOLERANT

O'SOY2500GT

O'S 2500GT is Glyphosate tolerant. It is a medium tall semi-bush type plant that handles stress very well. O'SOY2500GT is SCN resistant and nematode resistance. Excellent emergence for good plant population. Very good white mold and SDS scores. Top yields can be expected.

GLYPHOSATE
TOLERANT

O'SOY 1524EL-3 **NEW**

This soybean has outstanding performance for a mid-range Group 1. It shows good resistance to SCN and BSR. The IDC score is very high for the northern part of Wisconsin. This bean is medium height, semi bush and is great for no-till with fast row closure. Its white mold rating is 4 out of 5 with an above average score for SDS.

O'SOY 2024EL-3 **NEW**

This 2.0 bean shows good stress tolerance due to lack of rain and high temperatures. It carries good tolerance to both SDS and white mold. This bean is bullish on performance and yield. It's a medium tall semi-bush plant for early row coverage.

O'SOY2523EL-3

A medium maturity bean in the Group II lineup. Unique plant style that brings significant height and good standability. Excellent emergence ratings get this bean off to a fast start. Watch your yield jump with this great variety.



Seeds containing the Enlist, Herculex and PowerCore traits are protected under one or more U.S. patents which can be found at: www.traitstewardship.com. The purchase of these seed traits include a limited license to produce a single crop in the United States. The use of seed from such a crop or the progeny thereof for propagation or seed multiplication or for production or development of a hybrid or different variety of seed is strictly prohibited. You acknowledge and agree to be bound by the terms and conditions of the following documents in effect at the time of planting of this seed: (i) the Corteva Agriscience Technology Use Agreement and (ii) the Product Use Guides for all technologies in this seed, including the Herbicide Resistance Management (HRM), and Use requirements.

To plant Enlist, Herculex and PowerCore seed, you must have a limited license from Corteva Agriscience (or other appropriate affiliates). In consideration of the foregoing, Corteva Agriscience grants to the Grower the limited license to use its technology to produce only a single commercial crop in the United States under the terms and conditions set forth in the Technology Use Agreement in effect at the time of planting of this seed.

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

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.

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 endusers 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.

The transgenic soybean event in Enlist E3® soybeans is jointly developed and owned by Corteva Agriscience and M.S. Technologies, L.L.C.™ Enlist, Enlist E3, the Enlist E3 logo, and Colex-D are trademarks of Corteva Agriscience and its affiliated companies. © 2022 Corteva.

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

Enlist Duo® and Enlist One® herbicides are not registered for sale or use in all states or counties. Contact your state pesticide regulatory agency to determine if a product is registered for sale or use in your area. Enlist Duo and Enlist One are the only 2,4-D products authorized for use with Enlist crops. Consult Enlist herbicide labels for weed species controlled.

Early Order and Payment Discounts Available

See your O'Brien Hybrids Representative.

CHARACTERISTICS RATINGS & DESCRIPTIONS

Variety	Traits							Disease Ratings					Color			
	Maturity	Plant Type	Plant Ht.	Seeds/Pound	SCN Rating	Field Emergence	Stand-ability	PRR Genetic Tol.	PRR Field Tol.	BSR Tol.	IDC Tol.	White Mold	Hilum	Flower	Pubescence	Pod
O'SOY HERBICIDE TOLERANT SOYBEANS																
1901GT	1.9	SB	M	2900	1.0	1.0	1.0	1K	1.5	1.8	2.0	2.0	Black	Purple	Tawny	Tan
2500GT	2.4	SB	MT	2800	1.0	1.0	1.5	Rc	1.0	1.3	1.8	1.5	Black	White	LT. Tawny	Tan
1524EL-3	1.5	SB	M	2700	3.0	1.0	1.0	NG	3.0	R	1.0	4.0	Buff	Purple	Gray	Brown
2024EL-3	2.0	SB	M	2600	3.0	1.5	2.0	1K	3.0	3.5	4.0	4.0	Black	Purple	LT. Tawny	Brown
2523EL-3	2.5	SB	MT	2850	1.9	1.0	2.0	RPS1A	2.0	2.0	3.0	2.0	Buff	Purple	Gray	Brown

Key: Rating
1 = Good
5 = Poor

Plant Type
B = Bushy
SB = Semi-Bushy
I = Intermediate

Plant Height
M = Medium
T = Tall



MULTIPLE HERBICIDE TOLERANCES, EXCELLENT WEED CONTROL

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

SOYBEANS	2,4-D choline	Glyphosate	Glufosinate
CORN	2,4-D choline	Glyphosate	Glufosinate FOP Herbicides



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



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

On-Target Application

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

ALFALFA



SHANNON III

High Traffic Alfalfa

Fall dormancy 4.3

Winter survival rating 1.9

Shannon III will handle all soil types and gives you an outstanding disease resistant package. It can handle heavy wheel traffic and will also work in wetter soils. Shannon III is an outstanding choice for the producer who demands the complete package.

EMERALD*

Lower Cost

Premium Blend Alfalfa

Fall dormancy 2

Winter survival rating 2.5

Superior disease resistance to upper Midwest diseases. Excellent winter hardiness for our area. Excellent yield and high quality. Rapid regrowth after cutting. 23-25 D.R.I.

*Both coated and uncoated seed.

KERRY

Economical Alfalfa

Fall dormancy 3

Winter survival rating 3.0

Designed for the farmer whose operation does not need a top end alfalfa. Ideal choice for the operator who wants an economical alfalfa with a good disease package. An alfalfa with above average performance and good winter hardiness. A great alfalfa for a short-term rotation.

RR Alfalfa

Great Forage Yield

Potential Alfalfa

Fall dormancy 4

Winter survival rating 1.0

428RR is one of the latest generation Roundup Ready® alfalfa varieties that lets you produce cleaner, higher quality alfalfa for greater profit potential. The simplicity and improved crop safety of using one herbicide with the widest window of application available. This alfalfa features a disease index rating of 30/30, high multifoliate leaf expression for improved forage quality, a winter survival rating of 1.0 and germinating seed salt tolerance.



DISEASE RESISTANCE RATINGS

	RR	Shannon III	Emerald	Kerry
Bacterial Wilt	HR	HR	HR	R
Verticillium Wilt	HR	HR	HR	R
Fusarium Wilt	HR	HR	R	MR
Anthraxnose	HR	HR	HR	MR
PRR	HR	HR	R	R
Aphanomyces Race 1	HR	HR	R	S
Spotted Alfalfa Aphid	—	—	R	S
Pea Aphid	HR	—	R	LR
Blue Alfalfa Aphid	—	—	—	S
Stem Nematode	MR	—	R	LR
Northern Root Knot Nematode	—	—	—	—
Traffic	—	T	—	—
Aphanomyces Race 2	—	HR	—	S
Leafhopper Yellowing	—	R	—	S
Disease Rating Index	30/30	35/35	28/30	23/30

KEY:

R - Resistance; RY - Resistant to Yellowing; S - Susceptible; EXC - Excellent; H - Hardy; VH - Very Hardy; HR - High Resistance; MR - Moderate Resistance; LR - Low Resistance

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.

ALWAYS READ AND FOLLOW PESTICIDE LABEL DIRECTIONS. Roundup Ready® crops contain genes that confer tolerance to glyphosate. Glyphosate herbicides will kill crops that are not tolerant to glyphosate. Roundup Ready® is registered trademarks of Bayer Group, used under license by Forage Genetics International, LLC.

CUSTOM BLENDED PASTURE MIXES AND BLENDED WATER WAY MIXES



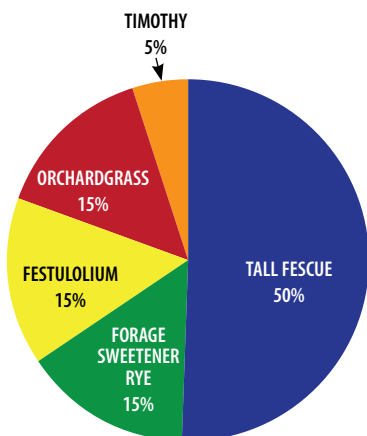
We will custom blend any pasture or grazing mix you want for your cattle or horses. We mix it to your animal's needs or the soil type for the best pasture and animal health.

Pastures Mixes may be custom blended with Emerald Alfalfa, Brome Grass, Orchardgrass, Timothy, Primose Timothy, Red Clover, Kernal Rye Grass, Alsike Clover, Dutch White Clover, Blue Grass, Rye Grass Brome, Reed Canary Grass and Satin Orchardgrass.

SWEET FORAGE ENHANCER MIX

- Great general use mixture for pastures, feed lots, farmyards and waterways
- Produces high-quality, balanced hay
- Premium quality ingredients selected for regional adaptation and performance
- Strong persistence and regrowth

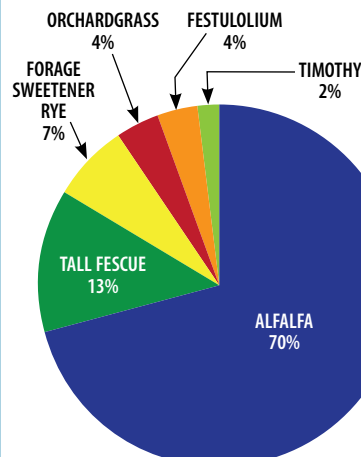
SEEDING RATE
35 lbs per acre



SWEET ALFALFA PLUS MIX

- Performs best on well drained soils with adequate pH and fertility for alfalfa
- Components are present in the proper ratios to provide optimum pasture
- Produces high-quality, balanced hay
- Excellent palatability
- Strong persistence and regrowth
- Maximum production per acre

SEEDING RATE
25-30 lbs per acre



BENEFITS OF HIGH SUGAR RYEGRASSES

- Double the sugar content compared to conventional ryegrasses
- Non GMO/Qualifies for Organic Certification
- Reduced Nitrogen Emission
- Higher Dry Matter Intake per Head per Day
- Increased Livestock Production

OATS

ESKER 20/20

Esker 20/20 is a high yielding oat with medium to high test weight. In 3 year trials it averaged above 38 lbs/bu. Average plant height is 40 in. It is resistant to crown rust. Esker is a mid-to late maturity oat with very good standability and straw quality.

FORAGEPLUS

ForagePlus is a tall, very late maturity oat that heads 5 to 7 days later than Ensiler and Belle. ForagePlus has exceptionally high forage yields. ForagePlus can be harvested over a longer time period because of very good yields, even with an early harvest. ForagePlus has good grain yields, yellow kernels and good resistance to crown rust.

ANTIGO OATS

Antigo Oats is a high yielding variety having excellent test weight. It has a heading date one day later than Badger Oats. An average plant height of 35 to 38 inches. Moderately resistant to crown rust and showed low crown rust infection levels in most trials. It has good grain quality properties such as high dehulling efficiency with high groat protein and oil percent.

FORAGE MIXES

FORAGEPLUS OATS MIXED WITH 4010 PEAS

TRITICALE PEAS

2700 FORAGE MIX

2700 Forage Mix is a premium mix of Trical® 2700 pvp Spring Triticale and new forage pea "Arvica." With its outstanding forage quality, and excellent palatability, you may find it can produce milk in your lactating herd like you thought only alfalfa could!

4010 FIELD PEAS

High yield and medium maturity. Medium vine length and small cream-colored seed. Ideal to mix with oats or barley.

WINTER WHEAT

PRO-260

Pro 240 is a beardless, white chaffed, soft red winter wheat. Its maturity is similar to Kaskaskia. Pro 260 is resistant to stripe rust, leaf rust and is moderately resistant to powdery mildew and septoria leaf blotch. It is moderately susceptible to Fusarium.

LAWN SEED

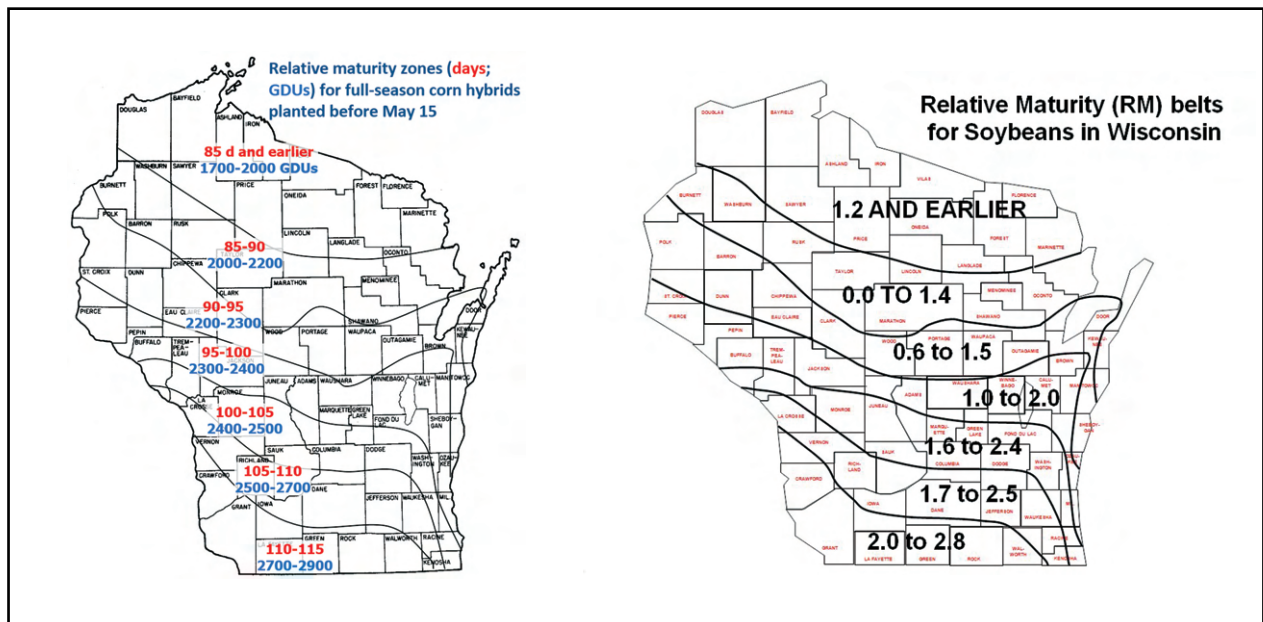
EC MADISON PARKS

Ideal for home lawns, public parks or school grounds. Excellent for new lawns or upgrading existing turf. Establishes quick and permanently.

EC QUICK-2-GRO

Mixture performs well in full sun to light shade. Germinates quickly and grows rapidly. Excellent choice when fast results are required. Ideal for areas needing quick establishment.

Call us for all your turf grass needs!



SWEET ENSILE

Dry Inoculant

A stabilized and concentrated silage inoculant containing homolactic strains of *Lactobacillus plantarum*, *Pediococcus acidilacti*, *Pediococcus pentosaceus* and *Lactobacillus xylosus* aids in the fermentation of all types of silage.

Guaranteed MicroBial Analysis:

Lactic Acid

Bacteria, *min.: 122 Billion CFU**/lb.

**Lactobacillus plantarum*, *Pediococcus acidilacti*, *Pediococcus pentosaceus*, *Lactobacillus xylosus*

**CFU (colony-forming units)

Directions:

Haylage/Silage 1 lb./ton

Ground High – Moisture Grain/Ear Corn 2 lb./ton

Baled Hay 2 lb./ton

Applied by meter or over top of load.

One 50 lb. bag will inoculate 50 tons of silage or haylage, or 25 tons of baled hay or high moisture grain.

Inoculation Rate:

61 Million CFU/pound of silage

SWEET 'N' BALE

Liquid Hay Preservative

A buffered liquid blend of organic acids for use in the preservation of high moisture (up to 25%) baled hay.

- Reduces heating and spoilage by controlling mold and yeast growth
- Helps improve digestibility by reducing ADF
- Helps reduce NDF which relates to increased dry matter consumption

Guaranteed Analysis:

Propionic acid: 68% min.

pH: 5.8 - 6.0

Density: 8.89 lb/gal

Ingredients:

Propionic Acid, Ammonium Hydroxide, Acetic Acid, Propylene Glycol, and Food Color.

For use on all types of baled hay, corn silage, feed blends and TMR blended feed.

Directions:

Before applying accurately determine the moisture content using a reliable moisture tester. Follow

applicator instructions to calculate baling rate. Apply uniformly and completely using a three nozzle spray bar. Always stack hay in a well ventilated area with cut side up and with space between rows.

For large square bales use the higher recommended rate and only bale at up to 25% moisture.

APPLICATION RATES:

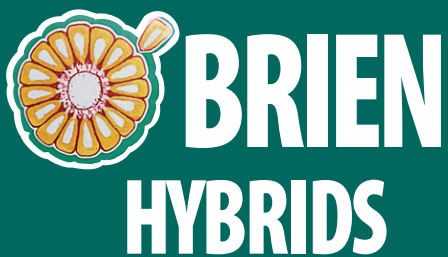
Moisture	Rate (lb/ton*)
12-18%	4-5 lbs./ton
19-21%	5-6 lbs./ton
22-23%	7-9 lbs./ton
24-25%	10-12 lbs./ton
26-28%*	15 lbs./ton
29-30%*	20 lbs./ton

*For first and fourth cutting or rained-on hay increase above rates by 3-5 lbs. per ton.

SIZE	DRUM WEIGHT
55 gal. drum	480 lbs.

E.P.A. Reg. No. 73550
E.P.A. Est. No. 81298-WI-001





O'BRIEN FARMS, INC.

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