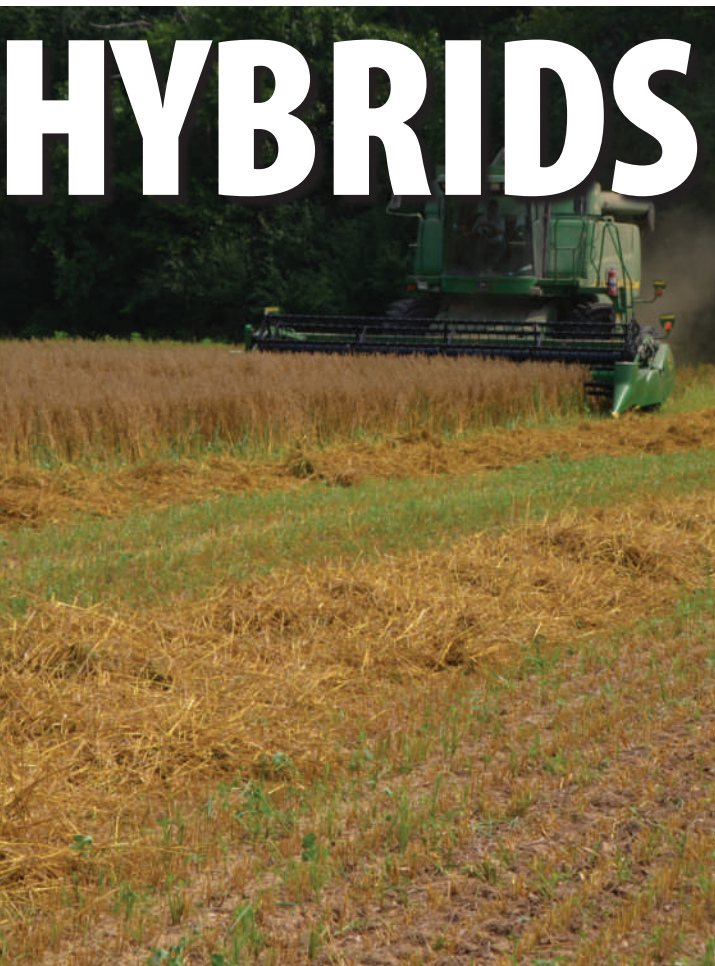
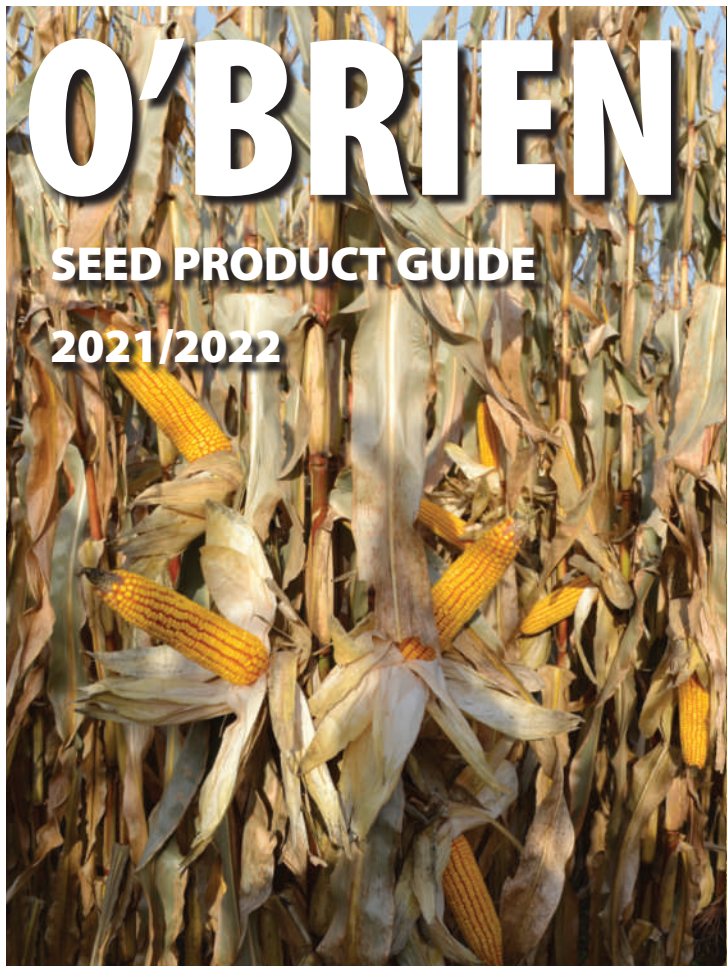


O'BRIEN HYBRIDS

SEED PRODUCT GUIDE

2021/2022



CORN • SOYBEANS • ALFALFA • FORAGE • SMALL GRAINS

As we enter the 2021 - 2022 sales season, we are introducing six new hybrids. Two conventional, three GTCBLL and one fully traited hybrid containing Agrisure Duracade. We are excited about all of these new hybrids as each one has a lot to offer. In addition to the corn there is a new mid-season LLGT27 Soybean.

We are seeing some rootworm issues even with the best traits available to control them. If you are growing corn on corn for multiple years, we encourage you to consider some type of additional rootworm control such as crop rotation or soil insecticide.

The LLGT27 soybeans are doing an excellent job both as far as yields are concerned and knowing that the Glyphosate resistant water hemp can be controlled with Glufosinate (Liberty) herbicide. It is also reassuring to know that you don't have to worry about chemical drift coming from your sprayed fields.

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.

Special Thanks to Don and Darwin for their continued customer service.



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:





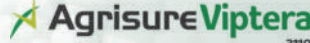








Darwin Lawson
Darlington, WI
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Chilton, WI
Cell: 920-366-7101
hanke_don@yahoo.com

**Early Order and
Payment Discounts
Available**

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

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		GT3 Agrisure® 3000GT 	Glyphosate, Glufosinate (Liberty)	Pests controlled: European corn borer, southwestern corn borer, southern cornstalk borer, lesser cornstalk borer, sugarcane borer, western corn rootworm, northern corn rootworm and Mexican corn rootworm. Pests suppressed: Corn earworm, fall armyworm, beet armyworm and common stalk borer.
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.	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.
			3122 Agrisure® 3122 E-Z Refuge®   	Glyphosate, Glufosinate (Liberty)	Pests controlled: European corn borer, southwestern corn borer, black cutworm, 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.
			5122 Agrisure Duracade® 5122 E-Z Refuge®   	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.

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

- 1 = Conventional
- 3 = Glyphosate Tolerant (GT)
- 4 = Agrisure® 3000GT, Glyphosate, LibertyLink, Corn Borer, Rootworm
- 5 = Glyphosate Tolerant (GT), LibertyLink, Corn Borer, Agrisure Viptera®
- 6 = Glyphosate, LibertyLink, Corn Borer
- 7 = LibertyLink Glyphosate Tolerant, Corn Borer, Corn Rootworm, Agrisure® 3122 E-Z Refuge®
- 8 = Glyphosate, LibertyLink, Corn Borer, Agrisure Duracade® Corn Rootworm, Agrisure E-Z Refuge®

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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 Agrisure 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.



Agrisure® Technology incorporated into these seeds is commercialized under license from Syngenta Seeds, Inc. Herculex® Technology incorporated into these seeds is commercialized under license from Dow AgroSciences LLC. HERCULEX® and the HERCULEX Shield are trademarks of Dow AgroSciences LLC.



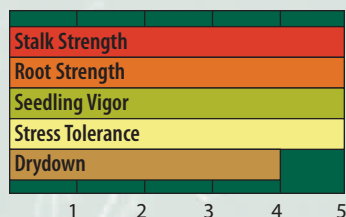
Seed products with the LibertyLink® (LL) trait are resistant to the herbicide glufosinate ammonium, an alternative to glyphosate in corn, and combine high-yielding genetics with the powerful, non-selective, postemergent weed control of Liberty® herbicide for optimum yield and excellent weed control.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

CONVENTIONAL HYBRIDS

O'B1078

78 day RM

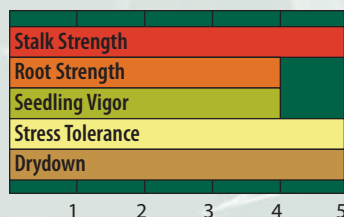
A super early hybrid that can take stress and variable soil types. An early work horse hybrid that will get big enough for silage use. A lot of health for its maturity..



O'B1080

80 day RM

This fast moving hybrid will give you early grain with fast drydown on good stalks and solid agronomics.



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'B1087

87 day RM

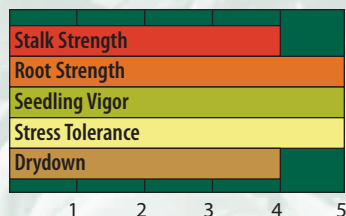
A taller hybrid for its maturity. Slightly upright leaf habitat with good roots and stalks. A good hybrid for late spring planting and still get silage or grain.



O'B1090

90 day RM

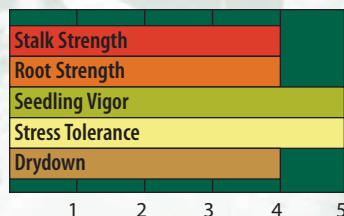
Good yields can be expected from this wide leafed standard canopy hybrid. Medium placed ears with deep kernels of nice quality. Plant at medium high populations.



O'B1093

95 day RM

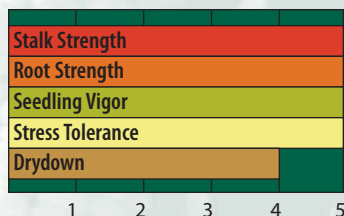
A taller hybrid with excellent silage utility. Medium drydown with very good plant health. A work horse hybrid for less productive soils. Excellent grain quality with average test weight.



O'B1095

95 day RM

Great genetics from both sides make this tall healthy hybrid with medium placed ears. Solid roots and stalks allow this hybrid to finish strong. A great dual purpose early hybrid.



O'B1096

95 day RM

NEW

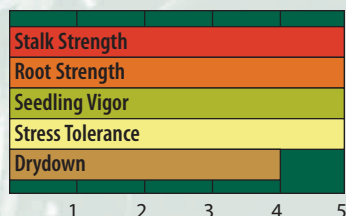
A reintroduction of a former hybrid. Comparing plot yields we are finding that this hybrid needs to be in our program. Very good plant health and roots will pump out satisfying yields...



O'B1100

100 day RM

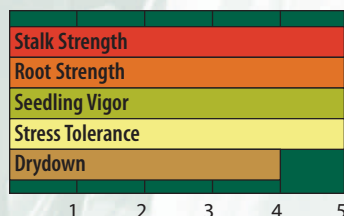
Great genetics team up to make this robust medium-tall hybrid. Healthy standard leaf canopy. Dual purpose hybrid for an early line.



O'B1103

103 day RM

Taller showy plants with medium upright leaf habitat. This is a healthy hybrid with great late season plant intactness. Great performance for grain and outstanding for silage.



O'B1104

104 day RM

Excellent vigor gets this hybrid off to a fast start and it just keeps going! Very good stay green along with excellent stalk, root and plant health contribute to a strong finish. High average test weight along with great yield make this hybrid a winner.

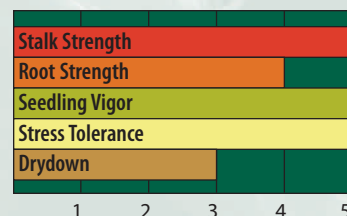


O'B1105

105 day RM

NEW

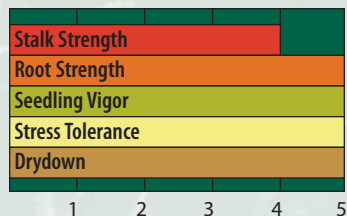
A very healthy dual purpose hybrid having strong agronomics. Plot history indicates great yields to challenge any mid-season hybrid. Outstanding silage performance can be expected from this tall hybrid with med-high ear placement.



O'B1155

105 day RM

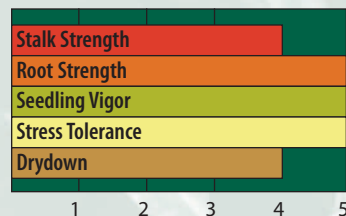
Unique genetics combine to make this new 106 day hybrid dual purpose with good yields in our 2017 trials. A very healthy hybrid with lots of eye appeal. This hybrid is entered into silage trials and various locations around the mid-west this year. We expect good results.



O'B1106

106 day RM

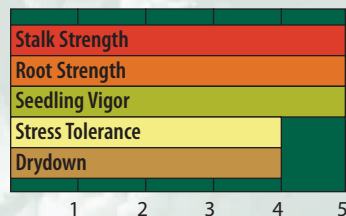
A very attractive tall hybrid with upright leaf habitat. Medium-high ear placement on healthy stalks. Very good overall disease ratings and solid agronomics create good yields. Certainly has dual purpose capabilities. Super silage qualities.



O'B1165

106-107 day RM

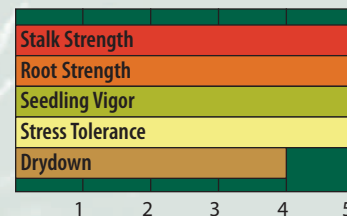
A taller hybrid with wide dark green leaves. Flex ears of good quality grain positioned medium-high on very healthy stalks. Very good emergence for a fast start. Good plant health for a strong finish. A dual purpose hybrid. Trial winner in 2014.



O'B1185

108 day RM

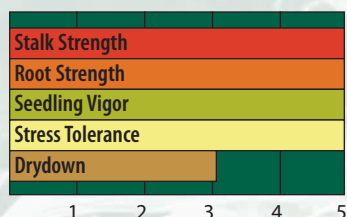
A taller showy hybrid with great agronomics and good yield punch. Shows some natural ECB tolerance for improved stalks.



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 plot results two years in a row.



O'B1110

110 day RM

This new hybrid features medium-tall plants with medium ear placement. Standard leaf canopy. Great new combination of genetics. This full season hybrid had outstanding yields in 2019 trials..



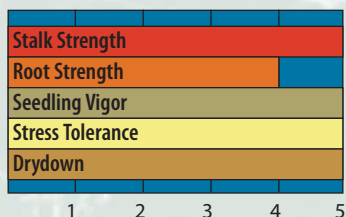
HERBICIDE TOLERANT HYBRIDS

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..

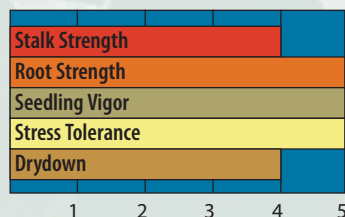


O'B3090GT

90 day RM



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

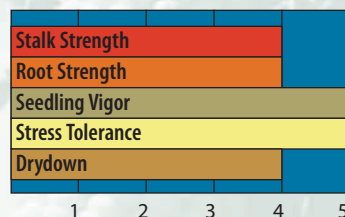


O'B3094GT

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.



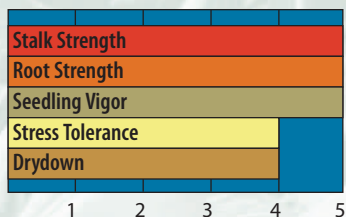
- Provides tolerance to in-crop applications of glyphosate-based herbicides while offering growers a full range of assurances and the freedom to choose their preferred glyphosate brand.
- Exhibits outstanding tolerance to in-crop applications of glyphosate-based herbicides—the active ingredient in Roundup®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

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.

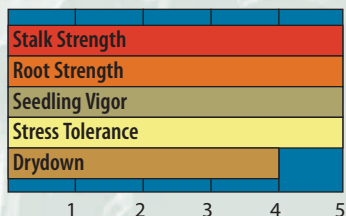


O'B3103GT

103 day RM



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



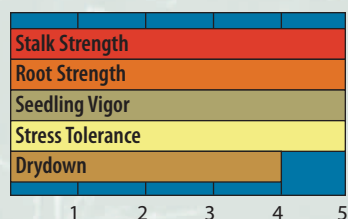
HERBICIDE TOLERANT HYBRIDS

O'B3106GT

105 day RM



Excellent seedling vigor get this hybrid off to a fast start allowing for a quick canopy. Well suited as a dual purpose hybrid. Good stalks and roots for dependability throughout the whole season. Great grain quality with high test weight.



- 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.

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



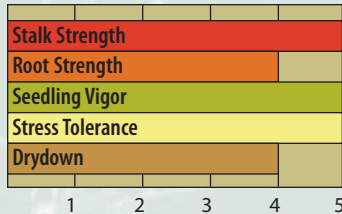
1 = Satisfactory, 3 = Good, 5 = Excellent

HERBICIDE TOLERANT WITH CORN BORER

O'B6091GTCBLL **NEW** 91 day RM



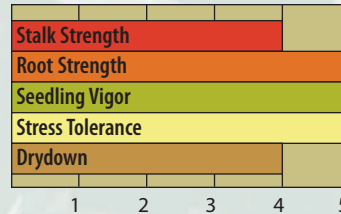
You can expect great things from this new hybrid. Solid stalks and roots and stress tolerance make this hybrid produce. Showy plants with wide leaf habitat. Medium-tall plants with medium ear placement.



O'B6100GTCBLL **NEW** 100 day RM



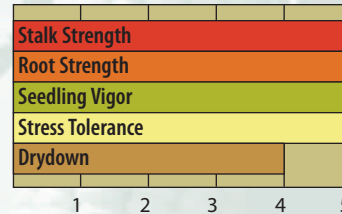
Robust showy hybrid. Excellent grain and silage performance with top feeding values with long harvest window. Excellent milk per ton rating. Medium- tall hybrid with medium ear placement. This hybrid shows strong tar spot tolerance.



O'B6103GTCBLL 103 day RM



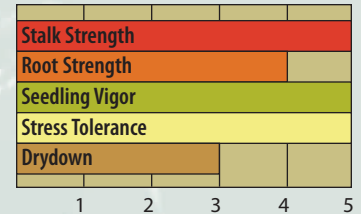
Very impressive hybrid. Features taller plants, with medium-high ear placement. Great plants, healthy stalks. Roots are top notch. Good kernel depth for great yields. A good upgrade from OB6104.



O'B6107GTCBLL 107 day RM



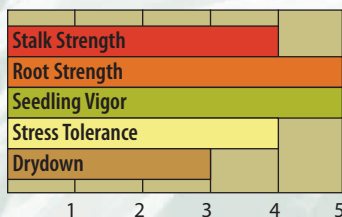
Excellent seedling vigor emergence get this hybrid off to a fast start allowing for a quick canopy. Well suited as a dual purpose hybrid. Good stalks and roots for dependability throughout the whole season. Great grain quality with high test weight.



O'B6175GTCBLL **NEW** 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.



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. Roundup Ready® 2 Technology contains genes that confer tolerance to glyphosate. **Glyphosate** will kill crops that are not tolerant to glyphosate. Roundup Ready 2 Yield® and Roundup Ready® are registered trademarks of Bayer Group.

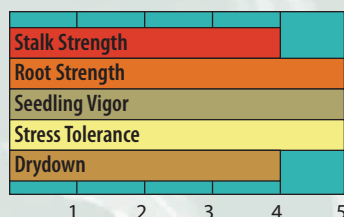
HERBICIDE TOLERANT WITH CORN BORER/ AGRIURE VIPTERA®

O'B5108GTCBLLBL

108 day RM



A very impressive hybrid with strong agronomics and lots of eye appeal. A traited version of our O'B1108. Contains the Agrisure Viptera® trait for improved above ground insect control. A dual purpose hybrid excellent for silage use.



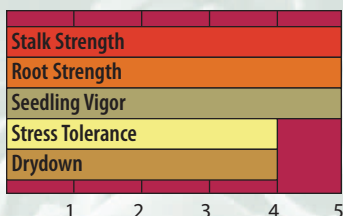
HERBICIDE TOLERANT WITH CORN BORER/CORN ROOTWORM

O'B4101GT3

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.

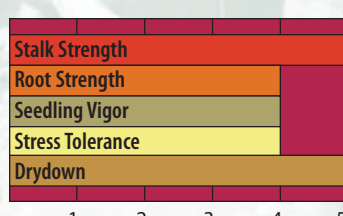


O'B4106GT3

106 day RM White Cob



Super top-end yield potential. A medium-tall hybrid with medium-high ear placement. Excellent stalk ratings with above average dry down and average test weight.



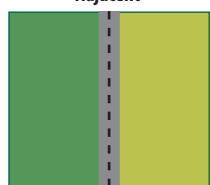
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Refuge Planting Designs Northern Cornbelt

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

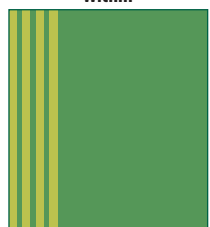


≤ 1/2 mile
Corn Corer Refuge Option Only

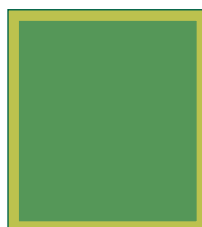
Within



Block



Strips (Split Planter)



Perimeter

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.

HERBICIDE TOLERANT WITH CORN BORER/ CORN ROOTWORM/AGRISURE® 3122 Refuge Renew®

O'B7112-3122

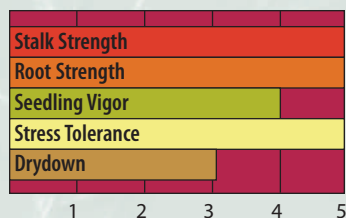
113 day RM

Agrisure 3122
Refuge Renew®

A tall full season hybrid. Excellent stay green to finish out the season and allow for delayed harvest. A similar hybrid to the O'B7113.



Agrisure 3122
Refuge Renew®



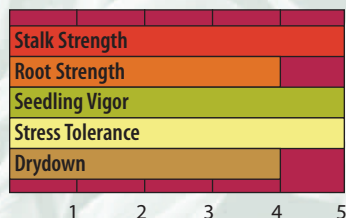
Before opening a bag of seed, be sure to read, understand and accept the stewardship requirements, including applicable refuge requirements for insect resistance management, for the biotechnology traits expressed in the seed as set forth in the technology agreement that you sign. By opening and using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

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

O'B8104-5122GTCBLLDC

104 day RM

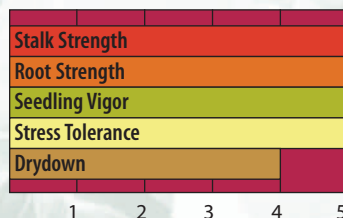
Med-tall to taller wide leaf standard canopy plants with med-high ear placement. Very good late season plant health for later season harvest. Includes Agrisure Duracade® trait for top notch rootworm control.



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.



Agrisure Duracade®
5122 Refuge Renew®

The Agrisure Duracade® 5122 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 Agrisure Duracade trait, a unique mode of action that controls corn rootworm differently than other products on the market, a structured refuge is required.

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.

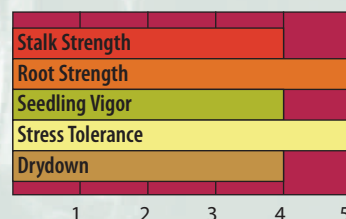


O'B8114-5122GTCBLLDC

114 day RM

NEW

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.



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.



CruiserMaxx® Vibrance® Corn, a combination of separately registered products, is an insecticide/fungicide seed treatment that offers superior insect and disease protection with enhanced root health.

CruiserMaxx Vibrance Corn is an on-seed application of Cruiser 5FS insecticide delivered at the 0.25, 0.50 or 1.25 mg a.i./seed rate, Vibrance Cinco or Maxim Quattro and Vibrance fungicides. Cruiser®, CruiserMaxx®, Maxim® and Vibrance® are registered trademarks of a Syngenta Group Company.

Important: Always read and follow label instructions. Some products may not be registered for sale or use in all states or counties. Please check with your local extension service to ensure registration status.

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												
O'B 1078	78	M	M	5	5	5	5	4	14-16	R	34-38	5
O'B 1080	80	M	M	4	5	4	4	5	14-16	P	34-36	5
O'B 1085	85	M-T	M-L	4	5	4	5	4	14-16	R	34-36	5
O'B 1087	87	M	M	5	5	5	5	5	16-18	R	34-38	5
O'B 1090	90	M	M	4	5	5	5	4	14-16	R	32-34	4
O'B 1093	93	T	M	4	4	5	5	4	16-18	R	32-36	4
O'B 1095	95	M	M	5	5	5	5	4	16-18	R	34-38	5
O'B 1096	96	M	M	4	5	4	5	4	16-18	R	34-38	5
O'B 1100	100	M-T	M	5	5	5	5	4	16-18	R	34-38	5
O'B 1103	103	M-T	M-H	5	5	5	5	4	16-18	R	34-38	5
O'B 1104	104	M-T	M	5	5	5	5	4	16-18	P	32-36	5
O'B 1105	105	T	M-T	5	4	5	5	3	16-18	R	34-38	5
O'B 1155	105	M-T	M	4	5	5	5	4	16-18	P	32-36	5
O'B 1106	106	M-T	M	4	5	5	5	4	18-20	R	32-36	5
O'B 1165	107	T	M-H	5	5	5	4	4	16-18	R	32-36	5
O'B 1185	108	T	M-H	5	5	5	5	4	16-18	R	34-38	5
O'B 1109	109	T	M-H	5	5	5	5	3	16-18	R	32-38	5
O'B 1110	110	T	M	4	5	5	4	4	18-20	R	32-38	4
HERBICIDE TOLERANT HYBRIDS												
O'B 3078GT	78	M	M	5	4	5	5	5	14-16	R	34-38	5
OB 3090GT	90	M	M	4	5	5	5	4	14-16	R	32-34	4
O'B 3094GT	94	T	M	4	4	5	5	4	16-18	P	32-36	5
O'B 3101GT	101	M-T	M	5	5	5	4	4	16-18	R	32-38	5
O'B 3103GT	103	M-T	M-H	5	5	5	5	4	16-18	R	34-38	5
O'B 3106GT	106	M-T	M	5	5	5	5	4	16-18	R	32-36	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

HERBICIDE TOLERANT WITH CORN BORER												
Variety	RM	Plant Ht.	Ear Ht.	Stalk Strength	Root Strength	Seedling Vigor	Stress Tolerance	Dry Down	Ear Rows	Cob Color	Plant Pop.	Plant Health
O'B 6091GTCBLL	91	M-T	M	5	4	5	5	4	16-18	R	28-34	5
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 6107GTCBLL	107	M-T	M	5	4	5	5	3	18-20	P	28-34	5
O'B 6175GTCBLL	107	T	M	4	5	5	4	3	18-20	R	18-20	5
HERBICIDE TOLERANT WITH CORN BORER/AGRISURE VIPTERA®												
O'B 5108GTCBLLBL	108	M-T	M	4	5	5	5	4	16-18	R	30-34	5
HERBICIDE TOLERANT WITH CORN BORER/CORN ROOTWORM												
O'B 4101GT3	101	M-T	M	5	5	5	4	4	16-18	R	32-38	5
O'B 4106GT3	106	M-T	M-H	5	4	4	4	5	16-18	W	28-34	4
HERBICIDE TOLERANT WITH CORN BORER/CORN ROOTWORM/Agrisure® 3122 REFUGE RENEW®												
O'B 7112-3122	113	T	M	5	5	4	5	4	18-20	P	32-38	5
HERBICIDE TOLERANT WITH CORN BORER/CORN ROOTWORM/AGRISURE 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

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Agrisure®
3122 E-Z refuge™



HYBRID COMPARISON CHART

	AGRI-SURE® TRAITS				
Conventional Corn	Glyphosate and LibertyLink Tolerant Corn Borer	Glyphosate and LibertyLink Tolerant Corn Borer Agrisure Viptera®	Glyphosate Tolerant GT	Glyphosate and LibertyLink Tolerant Corn Borer Rootworm	Glyphosate Tolerant Corn Borer Rootworm Refuge Renew®
0'B1078			0'B3078GT		
0'B1080					
0'B1085					
0'B1087					
0'B1090			0'B3090GT		
	0'B6091GTCBLL				
0'B1093			0'B3094GT		
0'B1095					
0'B1096					
	0'B 6100GTCBLL				
0'B1100					
			0'B3101GT	0'B4101GT3	
0'B1103					
	0'B6103GTCBLL		0'B3103GT		
				0'B4106GT3	
			0'B3106GT		
0'B1104					
					0'B8104-5122
0'B1105					
0'B1155					
0'B1106					
0'B1165					
		0'B5108-3110			
	0'B6107GTCBLL				
	0'B6175GTCBLL				
0'B1185					
					0'B8108-5122
0'B1109					
0'B1110					
					0'B7112-3122
					0'B8114-5122

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'SOY196NR2Y

O'SOY196NR2Y is a medium height plant with a semi-bush type plant. They are a light tawny plant with excellent standability and a solid disease package. A great SDS score and white mold rating. Emergence is excellent. Lodging and shatter ratings are very low for easy harvest. SCN resistant.

O'SOY1620LLGT27

Our earliest maturing LLGT27 variety has a great standability rating. Semi-bush type beans that works great for row planting. This bean can have great northern movement due to good Iron Chlorosis scores.

O'SOY2120LLGT27

This bean can go north with a great 1 DC rating and can move south with a high BSR rating. They are a semi-bush type plant with medium height for good standability.

O'SOY 2421LLGT27 **NEW**

This is a 2.4 RM bean. Plant height and standability are two of its great features. In 2019 and 2020 trials, this variety outperformed the plot average by 103 to 108%. Outstanding yield and easy to combine.

LIBERTYLINK® GT27

The LibertyLink® GT27® system combines industry-leading elite genetics with a herbicide-tolerant trait stack and features tolerance to both glyphosate and Liberty®.

LibertyLink GT27 system is built on 4 key grower benefits

1. Unprecedented yield performance from new elite genetics.
2. First soybean technology enabling both Liberty and glyphosate herbicides allows growers to dial up the post emergence weed control they need in-season.
3. Non-volatile chemistries with fewer restrictions for more flexible and effective weed control
4. In select labeled counties, Alite 27 herbicide brings soybean growers the first HPPD MOA herbicide* for powerful pre-emergence weed control.

* LibertyLink GT27 is not tolerant to all HPPD herbicides. Other HPPD herbicides not labeled for use with LibertyLink GT27 or isoxaflutole-resistant soybeans may cause significant crop injury.

Seeds containing the LibertyLink® GT27® 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, in select counties specified on the label, the first HPPD based herbicide for soybeans—Alite™ 27. Other HPPD herbicides not labeled for use with LibertyLink GT27 or isoxaflutole-resistant soybeans may cause significant crop injury. Alite 27 herbicide is only available for use in labeled counties.

LibertyLink GT27 is not tolerant to all HPPD herbicides. Alite™ 27 herbicide from BASF is the first HPPD herbicide for use on GT27 and LibertyLink GT27 soybeans is currently available in select counties in certain states.

Always read and follow label directions. Alite 27 is a restricted use herbicide. Alite, Liberty, and LibertyLink are registered trademarks of BASF. GT27 is a registered trademark of M.S. Technologies, L.L.C. MS Technologies is a trademark of M.S. Technologies, L.L.C. ©2020 BASF Corporation / M.S. Technologies, L.L.C. All Rights Reserved. APN 20-INT-0014



SOYBEANS

**Roundup
Ready 2 YIELD®
SOYBEANS**

Seeds containing the Roundup Ready 2 Yield® trait are protected under numerous U.S. patents. Seed containing patented traits, such as seed containing Roundup Ready 2 Yield® traits, can only be used to plant a single commercial crop. It is unlawful to save and replant Roundup Ready 2 Yield® soybeans. Additional information and limitations on these products are provided in the Monsanto Technology Stewardship Agreement and the Monsanto Technology Use Guide. The licensed U.S. patents for Monsanto technologies can be found at the following webpage: <http://www.monsantotechnology.com>



Mama said there would be days like this!

Early Order and Payment Discounts Available

See your O'Brien Hybrids Representative.

	CHARACTERISTICS RATINGS												Color			
	Traits							Disease Ratings								
Variety	Maturity	Plant Type	Plant Ht.	Seeds/ Pound	SCN Rating	Field Emer- gence	Stand- ability	PRR Genetic Tol.	PRR Field Tol.	BSR Tol.	IDC Tol.	White Mold	Hilum	Flower	Pubes- cence	Pod
O'SOY HERBICIDE TOLERANT SOYBEANS																
1901GT	1.9	MB	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
196NR2Y	2.0	SB	M	2600- 3000	1.1	1.0	1.5	Rc	1.6	1.8	1.8	1.7	Brown	Purple	Lt. Tan	Tan
1620LLGT27	1.5	SB	M	2800	1.0	2.0	1.0	Pps1k	2.5	1.0	2.0	2.0	Brown	Purple	Lt. Tawny	Tan
2120LLGT27	2.1	SB	M	2800	1.0	1.5	2.0	NG1	1.7	3.0	2.5	3.5	Brown	Purple	LT. Tawny	Brown
2421LLGT27	2.4	SB	MT	2800	1.0	1.5	1.0	1K	1.0	1.0	1.5	2.0	Black	Purple	Lt. Tawny	Brown

Key: Rating

1 = Good
5 = Poor

Plant Type

B = Bushy
SB = Semi-Bushy
I = Intermediate

Plant Height

M = Medium
T = Tall



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Ed McGrath

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



Bur-Wall Buckeye Gigi EX 94 3E • 8 -02 74650 2.8 2126 3.0 2251
1st in world for milk • 1st national for age group for protein

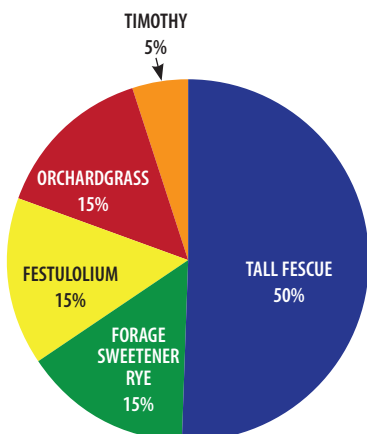
We will custom blend any pasture or grazing mix you want for your cattle or horses. We mix it to your animal's needs or the soil type for the best pasture and animal health.

Pastures Mixes may be custom blended with Emerald Alfalfa, Brome Grass, Orchardgrass, Timothy, Primrose 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

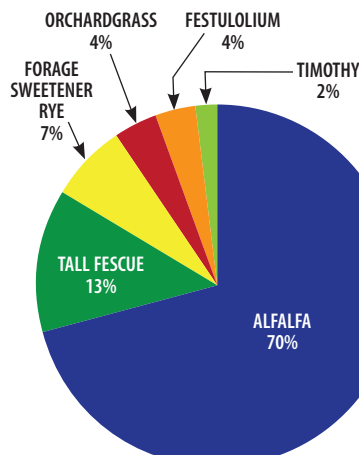
SEEDING RATE
35 lbs per acre



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

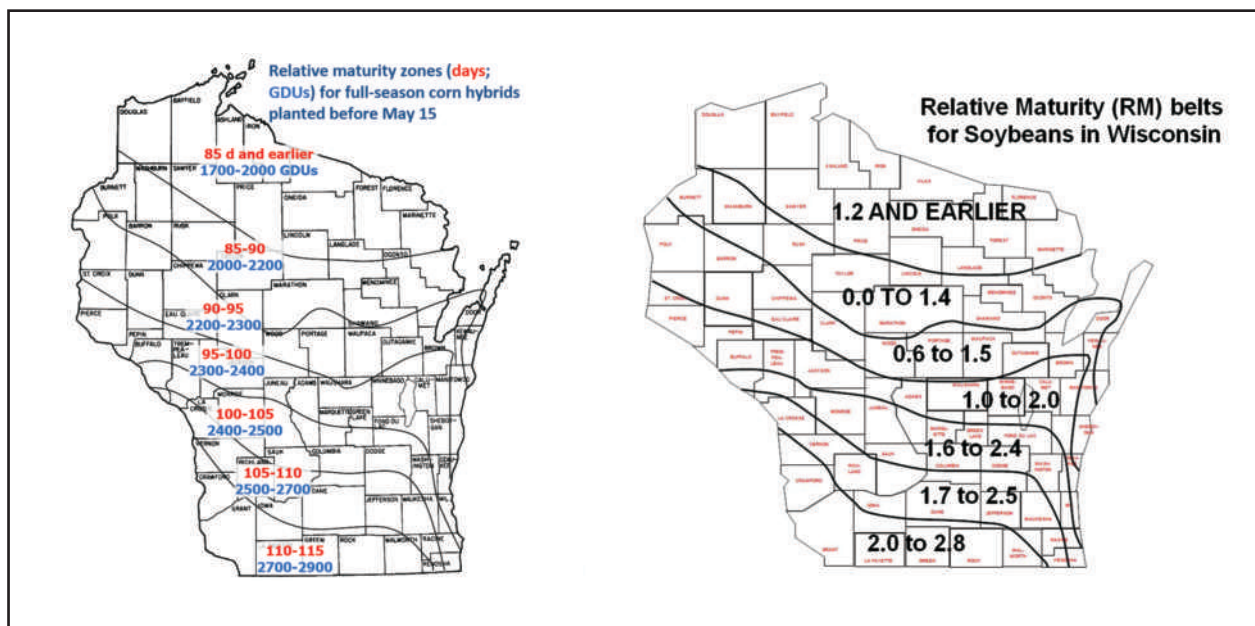
EC MADISON PARKS

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:

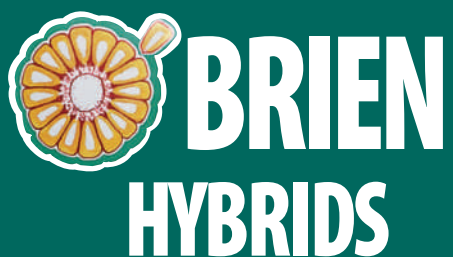
Moisture	Rate (lb/ton*)
12-18%	4-5 lbs./ton
19-21%	5-6 lbs./ton
22-23%	7-9 lbs./ton
24-25%	10-12 lbs./ton
26-28%*	15 lbs./ton
29-30%*	20 lbs./ton

*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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