DYRASR3. SEED

2026 SEED CATALOG

HOME-FIELD ADVANTAGE.

Knowing the conditions and working in familiar surroundings with local support; it's a fact, the home team wins more often - and we've got the stats to prove it.

Localized trial results and regional expertise, Dyna-Gro offers over 30 years of experience producing innovative seed solutions designed to maximize the local acre and help you make the best decision for your farm.



Available through:

Nutrien
Ag Solutions

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CORN

Corn Products Legend 2-3
Corn Technology Conversion Chart 4-6
Corn Seed Treatments8
Corn Industry Trait Chart9
Insect Control Reference Guide 10-11
Corn Products12-41
SOYBEANS
Soybean Products Legend42-43
Soybean Products
WHEAT
Wheat Products Legend60-61
Wheat Products Legend
Wileat Floducts02-73
COTTON
Cotton Products Legend76
Cotton Products77-87
SORGHUM
Sorghum Products Legend
Hybrid Sorghum Sudangrass 90-91
Hybrid Forage Sorghum92-93
Grain Sorghum
SUNFLOWERS
Sunflower Products Legend100
Sunflower Products 101-103
CANOLA
Canola Products Legend 104-105
Canola Products 106-107
ALFALFA
Alfalfa Products Legend 108-109
Products
RICE
Rice Products 112-113
LOVELAND
Loveland Products
MANAGEMENT
Management Charts 120-123
Notes 124-125
Legal



DYNAGRO

SEED

LEGEND

RATING SCALE: 9 = Excellent 7-8 = Very Good 5-6 = Good3-4 = Fair1-2 = PoorN/A = Information Not Available

* All information is based on comparisons with other Dyna-Gro hybrids. Environmental conditions may cause hybrids to perform differently.

GDU (Growing Degree Unit) to Black Layer - Physiological maturity/zero milkline from planting. This can vary due to day length, temperature, fertility, date of planting, etc.

TECHNOLOGY:

CONV = Conventional

RR2 = Roundup Ready® Corn 2 VT2P = VT Double PRO® Corn

VT2P-RIB = VT Double PRO® RIB Complete® Corn Blend

DG/VT2P = DroughtGard® Hybrids with VT Double PRO® Corn

DG/VT2P-RIB = DroughtGard® Hybrids with VT Double PRO® RIB Complete® Corn Blend

TRECEPTA = Trecepta® Corn

TRECEPTA-RIB = Trecepta® RIB Complete® Corn Blend

SS = SmartStax[®] Corn

SS-RIB = SmartStax® RIB Complete® Corn Blend

SSP-RIB = SmartStax® PRO RIB Complete® Corn Blend

VT4P-RIB = VT4Pro[™] RIB Complete[®] Corn Blend

PowerCore® Enlist® = PowerCore® Corn insect technology with

Enlist® herbicide technology

PowerCore® Enlist® = PowerCore® Corn insect technology Refuge Advanced® with Enlist® herbicide technology in a refuge advance blend

Agrisure® GT = Agrisure® GT trait, glyphosate herbicide tolerance

Agrisure Viptera® 3110 = Single trait above ground action against lepidopteran pests and

European corn borer Viptera® = Viptera® trait stack, two modes

of above ground action against lepidopteran pests and European corn borer. Glyphosate tolerance. Convenient E-Z Refuge® seed blend.

DuracadeViptera™ = DuracadeViptera™, two modes of action for corn rootworm control plus most complete coverage against above ground pests

Viptera® Refuge Renew = Viptera® trait stack of multiple modes for above ground action against lepidopteran pests and European corn borer

PLANT HEIGHT:

S = Short

M/S = Medium-Short M = Medium

M/T = Medium-Tall T = Tall

EAR HEIGHT:

L = Low

M/L = Medium-Low M = Medium M/H = Medium-HighH = High

DUAL PURPOSE:

HR = Highly Recommended R = Recommended NR = Not Recommended N/A = Information Not Available

DISEASE RATINGS:

8 - 9 = High Tolerance6 - 7 = Tolerance

4 - 5 = Moderate Tolerance

1 - 3 = Susceptible

N/A = Information Not Available

DYNA-GRO LETTER DESIGNATION:

CC = Conventional Corn

DC = DroughtGard® Hybrids with VT Double PRO®

GT = Agrisure® GT PN = PowerCore® Enlist® QC = Agrisure Viptera® 3110 QD = DuracadeViptera™ QZ = Viptera® Refuge Renew RA = Refuge Advanced® RIB = Refuge In Bag

RR = Roundup Ready® Corn 2

SP = SmartStax® PRO with RNAi Technology

SS = SmartStax® TC = Trecepta® VC = VT Double PRO® VT = VT4Pro™ RIB® Complete® W = White Corn

DYNA-GRO CORN NUMBER SYSTEM:

WX = Waxv

1st Character = D=Corn 2nd & 3rd Character = Add 60 for Maturity 4th & 5th Character = Technology 6th Character = Assigned Number 7th Character = Year of Release

Example: D52TC66RIB = Corn, 112 day, Trecepta® RIB Complete® Corn Blend, D52TC66 family

CORN TABLE OF CONTENTS

Technology Conversion Chart 4-6
Corn Seed Treatments 8
Industry Trait Chart 9
Insect Control Reference Guide 10-11
Corn Hybrids

CORN TECHNOLOGY CONVERSION CHART

*												
Relative Maturity*	Conventional	Agrisure Viptera® 3110	DroughtGard [®] Hybrids with VT Double PRO [®] Corn	PowerCore® Enlist® Corn	Roundup Ready® Corn 2	SmartStax® Corn	SmartStax® PRO Complete® Corn Blend	Trecepta® Corn	Viptera® Refuge Renew	VT Double PRO [®] Corn	VT4PRO™ with RNAI Technology Corn	Available as a Blended Refuge
RM	CC	VIP 3110	VT2P	PN	RR2	SS	SP	TC	V	VT2	VT4P	Yes / No
74										D14VC45		Yes
79					D19RR89							No
80										D20VC24		Yes
81										D21VC81		Yes
83										D23VC83		Yes
85					D25RR66					D25VC66		Yes
86										D26VC64		Yes
87					D27RR87					D27VC87		Yes
88										D28VC33		Yes
89										D29VC85		Yes
91										D31VC23		Yes
91										D31VC31		Yes
92					D32RR41					D32VC41		Yes
92	D32CC56				D32RR56					D32VC56		Yes
93							D33SP06					Yes
94	D34CC52				D34RR52					D34VC52		Yes
94						D34SS93				D34VC93		Yes
96										D36VC66		Yes
96							D36SP96					Yes
97				D37PN35								Yes
97						D37SS64				D37VC64		Yes
97								D37TC76				Yes
98										D38VC38		Yes
98										D38VC80		Yes
99	D39CC43		D39DC43									Yes
99											D39VT75	Yes
100										D40VC41		Yes
100										D40VC46		Yes
101							D41SP23					Yes

Red = New Commercial Release

^{*} Relative Maturity will vary with Trait Conversion

CORN TECHNOLOGY CONVERSION CHART

RM									CHART	LKSION	0.1 00.1		COKIT
RM CC VIP 3110 VT2P PN RR2 SS SP TC V VT2 VT4	Available as a Blended Refuge	VT4PRO™ with RNAI Technology Corn	VT Double PRO®	Viptera® Refuge Renew	Trecepta® Corn	SmartStax® PRO Complete® Corn Blend	SmartStax® Corn	Roundup Ready [®] Corn 2	PowerCore® Enlist® Corn	DroughtGard [®] Hybrids with VT Double PRO [®] Corn	Agrisure Viptera® 3110	Conventional	Relative Maturity*
103	Yes / No	VT4P			TC		SS	RR2	PN		VIP 3110	CC	RM
103	Yes				D41TC74								101
103	Yes					D43SP26							103
104	Yes		D43VC81				D43SS81						103
104	Yes		D43VC85										103
104	Yes								D44PN25			D44CC25	104
104	Yes						D44SS54						104
105	Yes								D44PN56				104
105	Yes									D44DC73			104
107	Yes					D45SP33							105
108	Yes				D45TC55								105
108 D48SS50 D48VC84 109 D49CC05 D49PN05 109 D49SP06 D49VC53 109 D49CC70 D49RR70 D49SR70 109 D49VC70 D49SP83 110 D50VC09 110 D50VC30	Yes						D47SS93						107
108 D49CC05 D49PN05 D49SP06 109 D49SP06 D49VC53 109 D49CC70 D49RR70 D49SS70 D49VC70 109 D49VC70 D49SP83 D50VC09 110 D50VC30 D50VC30	No			D48QZ22									108
109 D49CC05 D49PN05 D49SP06 109 D49SP06 D49VC53 109 D49CC70 D49RR70 D49SS70 D49VC70 109 D49SP83 D50VC09 110 D50VC30 D50VC30	Yes						D48SS50						108
109 D49SP06 109 D49VC53 109 D49CC70 D49RR70 D49SS70 D49VC70 109 D49SP83 D50VC09 110 D50VC30 D50VC30	Yes		D48VC84										108
109 D49VC53 109 D49CC70 D49RR70 D49SS70 D49VC70 109 D49SP83 D50VC09 110 D50VC30 D50VC30	Yes								D49PN05			D49CC05	109
109 D49CC70 D49RR70 D49SS70 D49VC70 109 D49SP83 D50VC09 110 D50VC30 D50VC30	Yes					D49SP06							109
109 D49SP83 110 D50VC09 110 D50VC30	Yes		D49VC53										109
110 D50VC09 110 D50VC30	Yes		D49VC70				D49SS70	D49RR70				D49CC70	109
110 D50VC30	Yes					D49SP83							109
	Yes		D50VC09										110
110 D50SP65	Yes		D50VC30										110
	Yes					D50SP65							110
111 D51SS61	Yes						D51SS61						111
111 D51VC95	Yes		D51VC95										111
112 D52CC63 D52S63 D52VC63	Yes		D52VC63				D52SS63					D52CC63	112
112 D52TC66	Yes				D52TC66								112
112 D52PN76	Yes								D52PN76				
112 D52DC82 D52SS82	Yes						D52SS82			D52DC82			
112 D52PN87	Yes								D52PN87				

Red = New Commercial Release

^{*} Relative Maturity will vary with Trait Conversion

CORN TECHNOLOGY CONVERSION CHART

Relative Maturity*	Conventional	Agrisure Viptera® 3110	DroughtGard [®] Hybrids with VT Double PRO®Com	PowerCore® Enlist® Corn	Roundup Ready® Corn 2	SmartStax® Corn	SmartStax® PRO Complete® Corn Blend	Trecepta® Corn	Viptera® Refuge Renew	VT Double PRO® Corn	VT4PRO™ with RNAI Technology Corn	Available as a Blended Refuge
RM	CC	VIP 3110	VT2P	PN	RR2	SS	SP	TC	V	VT2	VT4P	Yes / No
112	D52CC91					D52SS91				D52VC91		Yes
112											D52VT96	Yes
113	D53CC13					D53SS13						Yes
113								D53TC23				Yes
113	D53CC33									D53VC33		Yes
113										D53VC54		Yes
113							D53SP85					Yes
114					D54RR14					D54VC14		Yes
114						D54SS34				D54VC34		Yes
114						D54SS74						Yes
115							D55SP16					Yes
115	D55CC80									D55VC80		Yes
115	D55CC86									D55VC86		Yes
116					D56RR44			D56TC44				Yes
117										D57VC17		No
117								D57TC29				Yes
117	D57CC51				D57RR51					D57VC51		Yes
117										D57VC53		Yes
117										D57VC75		Yes
118										D58VC22		No
118						D58SS65				D58VC65		Yes
118		D58QC72										No
118					D58RR74					D58VC74		Yes
118										D58VC90		Yes
118					D58RR94			D58TC94				Yes
120								D60TC45				Yes

The 2025-2026 Technology Conversion chart should not be used as an availability sheet. RIB products may or may not be available in products shown and other RIB versions may be available.

Red = New Commercial Release

^{*} Relative Maturity will vary with Trait Conversion



HELPING YOU SECURE YOUR SEED TO TO AY.

Financing that gets farming.



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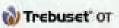
Corn Seed Treatments

2023 Launch Class and Older

2024 Launch Class and Newer













Lumiscond Pro

Lumialza"

Lumisure*

4 & U & .				м	-	-
	er - 1		ы		-40	ш.
	100	0.00	-		_	-

D19RR89 D37VC64RIB DS0VC09RIB D54SS74RIB D54VC14 D21VC81RIB D38VC38RIB D50VC30RIB D220Z42EZ D38VC80RIB D50VC78RIB D54VC14RIB D23VC83RIB D39CC43 D51SS41RIB D54VC34 D39DC43RIB D54VC34RIB D25RR66 D51SS61R18 D25VC66RIB D40VC41RIB D51VC67RIB D55CC80 D26VC72RIB D41SP23RIB D52CC63 D550C73 D27CC87 D42SS20RIB D52CC91 D55VC80 D27RR87 D43CC85 D52DC82RIB D55VC80RIB D27VC87RIB D430D08EZ D52SS63RIB D570C51 D28VC33RIB D435S81RIB D525582RIB D57RR51 **D31VC23RIB** D43VC81RIB D52SS91 D57TC29 D31VC31RIB D43VC85RIB D525S91RIB D57TC29RIB D32CC56 D44DC73RIB D52VC63 D57VC17 **D44SS54RIB** D32RR41 D52VC63RIB D57VC51 D45SP33RIB D32RR56 D52VC91 D57VC51RIB D325S92RIB D45TC56RIB D52VC91RIB D57VC53 D32VC41RIB D47CC29 D57VC53RIB D53CC13WX D47SS93RIB D32VC56RIB D53CC33 D57VC75 D48QZ22EZ D330Z83EZ D535S13RIB D57VC75RIB D34CC52 D48\$\$50RIB D53TC19 D580C72 D34RR52 D48VC84RIB D53TC19RIB D58SS65 D585565RIB D345S93RIB D49CC70 D53TC23 D34VC52RIB D498870 D53TC23RIB D58VC22 D34VC54RIB D53VC33RIB D58VC65 D49SP83RIB D34VC93RIB D49SS70RIB D54RR14 D58VC65RIB D54S934 D36VC66RIB D49VC53RIB D58VC90RIB D375S64RIB D49VC70RIB D548S34RIB

2024-2025

D14VC45RIB D20VC24RIB D26VC64RIB D29VC85RIB D41TC74RIB D50SP65RIB D5TVC95RIB

D53SP85RIB D53VC54RIB D56RR44. D56TC44 DS6TC44RIB D58RR74 D58RR94 D58TC94 D58TC94RIB D58VC74

D58VC74RIB

D60TC45RIB

D60TC45

2026

D33SP06RIB D36SP96RIB D37TC76RIB D40VC46RIB D435P26RIB D49SP06RIB D52TC66 D52TC66RIB D55TC86 D55TC86RIB D55SP16R18

2024-2025

D39VT75RIB

2026 D52VT96RIB

2024-2025

D37PN35RA D44CC25 D49PN05RA

2026

D44PN56RA D52PN76RA

Industry Trait Chart

Trait Stack Name		sects Controlle er of Modes of		Н	erbicide Tolera	nce	Refuge Requirements
	Corn Borer	Broad Lep	Rootworm	RR	LL	FOPs	
Bayer CropScience							
Smartstax® RIB Complete® Corn Blend	XX	XX	XX	Х	Х		5% in the bag
Smartstax® PRO RIB Complete® Corn Blend	XX	XX	XXX	Х	Х		5% in the bag
Trecepta RIB Complete® Corn Blend	XX	XXX		Х			5% in the bag
VT Double PRO® RIB Complete® Corn Blend	XX	Х		Х			5% in the bag
VT4PRO™ RIB Complete® Corn Blend	XX	XXX	XX	Х			5% in the bag
Smartstax® Corn	XX	XX	XX	Х	Х		20% structured adjacent* in cotton regions
Trecepta® Corn	XX	XXX		Х			20% structured within 1/2 mile in cotton regions
VT Double PRO® Corn	XX	Х		Х			20% structured within 1/2 mile in cotton regions
VT4PRO™ with RNAi Technology Corn	XX	XXX	XX	Х			20% structured within 1/2 mile in cotton regions
Corteva Agriscience™							
PowerCore® Enlist® Refuge Advanced® Corn	XX	XX		Х	Х	Х	5% in the bag
PowerCore® Enlist® Corn	XX	XX		Χ	Х	Х	20% separate structured refuge in cotton region
Syngenta							
DuracadeViptera™	XX	XX	XX	Χ	Х		5% in the bag, cotton growing areas - 20% in field/adjacent
Viptera®	XX	XX		Х			5% in the bag
Agrisure Artesian® 3011A	X		X	Х	Х		20% in field/adjacent
Agrisure Viptera® 3110	Х	Х		Χ	Х		20% within 1/2 mile
Agrisure Viptera® 3111	X	Х	Х	Х	Х		20% in field/adjacent
Agrisure® 3000GT	Х		Х	Χ	Х		20% in field/adjacent
Agrisure® Total Refuge Renew	XX	Х	XX	Χ			20% in field/adjacent

^{* 1/2} mile option for SmartStax® Corn is only available to growers in the following states: AK, AL, AR, AZ, CA, CT, DE, FL, GA, HI, ID, LA, MA, MD, ME, MS, MT, NC, NH, NJ, NM, NV, NY, OR, PA, RI, SC, TN, UT, VA, VT, WA, WV, WY

Insect Control Reference Guide

Letter Designation	Trait Logo	Product Registrant Trade Name	Trait Name Abbreviation	Bt Protein(s) & RNAi Technology	Refuge-NORTH	Refuge-COTTON GROWING areas
		Bayer® - Trecepta®, SmartStax®, VT Double PRO®, RIB Complete®, Roundup® and Roundup Ready® are trademarks of The Bayer Group		11119 111 0	Define 0/ Leasting	Defere 9/ Leastier
		Corteva Agriscience™ - Herculex® is a registered trademark of Corteva Agriscience			Refuge % Location in Non-Cotton Growing Areas	Refuge % Location in Cotton Growing Areas
		Syngenta - Agrisure® and Agrisure Viptera® are trademarks of Syngenta Group Company.			0.0g.,	o.o.m.gr.acac
SS	SmartStay.	SmartStax® Corn	SS	Cry1A.105, Cry2Ab2, Cry1F, Cry3Bb1, Cry34Ab1/Cry35Ab1	5% - Structured Adjacent	20% - Structured Adjacent
SS-RIB	SmartStax	SmartStax® RIB Complete® Corn Seed Blend	SS-RIB	Cry1A.105, Cry2Ab2, Cry1F, Cry3Bb1, Cry34Ab1/Cry35Ab1	RIB - 5%	20% Structured Adjacent (state restrictions apply)
SP-RIB	SmartStay, PRO	SmartStax® PRO RIB Complete® Corn Blend	SSP-RIB	Cry1A.105, Cry2Ab2, Vip3A, Cry3Bb1, DvSnf7, dsRNA	RIB - 5%	Not Marketed
TC	Trecepta [*]	Trecepta® Corn Seed Blend	Trecepta	Cry1A.105, Cry2Ab2, Vip3A	5% - Structured Adjacent	20% - Structured Adjacent
TC-RIB	Trecepta*	Trecepta® RIB Complete® Corn Seed Blend	Trecepta	Cry1A.105, Cry2Ab2, Vip3A	RIB - 5%	20% - Structured within 1/2 Mile
VC	√ TDoublePR0	VT Double PRO® Corn	VT2P	Cry1A.105, Cry2Ab2	5% - Structured within 1/2 Mile	20% - Structured within 1/2 Mile
VC-RIB	VTDoublePRO*	VT Double PRO® RIB Complete® Corn Seed Blend	VT2P-RIB	Cry1A.105, Cry2Ab2	RIB - 5%	Not Marketed
VT4PRO-RIB	VT4PR0°	VT4PRO™ RIB Complete® Corn Blend	VT4PRO	Cry1A.105, Cry2Ab2, Vip3A, Cry3Bb1, DvSnf7, dsRNA	RIB - 5%	20% - Structured within 1/2 Mile
RR	Roundup Ready	Roundup Ready® Corn 2	RR2	NONE	NONE	NONE
QC	∠ AgrisureViptera	Agrisure Viptera® 3110 (Glyphosate Tolerant / Corn Borer / LibertyLink® (Agrisure Viptera® trait)	Agrisure Viptera 3110	Vip3A Cry1Ab	20% - Within, Adjacent or up to 1/2 Mile Away	20% - Within, Adjacent or up to 1/2 Mile Away
QZ	Viptera REFUGE RENEW	Viptera® Refuge Renew	Viptera® Refuge Renew	Vip3A, Cry1Ab, Cry1F	5% Within or Adjacent	Not Marketed
QD	DuracadeViptera	DuracadeViptera™ Refuge Renew	Duracade Viptera™	Cry1Ab, Cry1F, Vip3A, mCry3A, eCry3.1Ab	5% Within or Adjacent	20% - Within or Adjacent
PN-RA	POWERCÚRE ight Enlist REFUGE ADVANCED	PowerCore® Enlist® Refuge Advanced® Corn	PowerCore® Enlist® Refuge Advanced®	Cry1A.105, Cry2ab2, CryIF	5% - Structured within 1/2 Mile	20% - Structured Adjacent
CC		Conventional Corn	Conventional	NONE	NONE	NONE

	Insects Controlled / Amount of Insect Control:												
European Corn Borer (stalks)	Southwestern Corn Borer (stalks)	Northern Corn Rootworm (roots)	Western Corn Rootworm (roots)	Fall Armyworm (whorl)	Western Bean Cutworm	Black Cutworm (seedling)	Corn Earworm (ear)						
The same of the sa	ALCOHOL: NAME OF THE PARTY OF T												
E	E	VG-E	VG-E	Е	Р	G-VG	G-VG						
E	E	VG-E	VG-E	Е	Р	G-VG	G-VG						
E	E	VG-E	VG-E	E	Р	G-VG	G-VG						
Е	E	NC	NC	Е	E	E	E						
Е	Е	NC	NC	Е	Е	Е	Е						
E	E	NC	NC	Е	NC-P	Р	G-VG						
E	Е	NC	NC	Е	NC-P	Р	G-VG						
E	E	G-VG	G-VG	Е	E	E	E						
NC	NC	NC	NC	NC	NC	NC	NC						
E	E	NC	NC	Е	E	G	E						
Е	E	NC	NC	VG	E	VG	E						
E	E VG		VG	-	E	E	E						
VG	VG	_	-	-	F	G	VG						
NC	NC	NC	NC	NC	NC	NC	NC						

RATING SCALE:

E = Excellent

VG = Very Good

G = Good

F = Fair

P = Poor ~ 30% Control or Less

NC = No Control

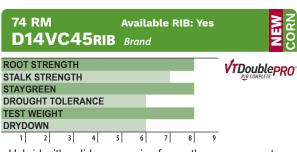
ROOTWORM MANAGEMENT NOTE:

For best control of high population rootworm following corn-on-corn fields, use a dual mode in plant protection B.t. such as SmartStax® or SmartStax® PRO combined with a planting time insecticide or apply a beetle control the previous season.

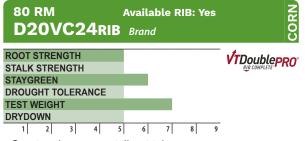
RIB = Refuge In a Bag. Insect ratings from University of Georgia and Clemson.

The data in this table is for reference only. Always verify the respective seed tag and/ or technology use guide for the current IRM requirements and product information.

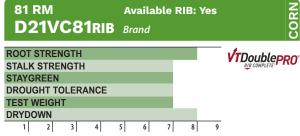
MINE	PRODUCT						PLANTING		GROWTH				VIII NAME OF THE OWNER.			•
	Dyna-Gro Brand	RIM	Technology	Available Refuge Blend	Hybrid Family	GDU	Planting Population	Emergence	Seedling Vigor	Plant Height	Ear Height	Ear Flex	Drought Tolerance	Greensnap	Stalk Strength	
NEW	D14VC45RIB	74	VT2P-RIB	Yes	D14VC45	1894	N/A	7	7	M/T	MH	Semi-Det	6	7	7	
	D19RR89	79	RR2	No	D19VC89	1950	28-32	6	7	М	М	Semi-Flex	7	7	7	
	D20VC24RIB	80	VT2P-RIB	Yes	D20VC24	2098	32-36	7	5	M/T	MH	Semi-Flex	5	5	5	
	D21VC81RIB	81	VT2P-RIB	Yes	D21VC81	2030	28-34	8	8	M/T	M	Semi-Det	7	8	7	
	D23VC83RIB	83	VT2P-RIB	Yes	D23VC83	2060	28-34	7	8	M/S	М	Semi-Flex	6	7	8	
	D25RR66	85	RR2	No	D25VC66	2090	32-38	7	7	M/T	М	Semi-Det	8	7	7	
	D25VC66RIB	85	VT2P-RIB	Yes	D25VC66	2090	32-38	7	7	M/T	M	Semi-Det	8	7	7	
	D26VC64RIB	86	VT2P-RIB	Yes	D26VC64	2210	32-36	7	7	М	М	Semi-Flex	5	5	7	
				Married Rev.				1 1 1 1	The second second							William V



- Hybrid with solid agronomics for northern movement
- Very good early season vigor and germination for quick stand establishment
- High eye appeal in season with nice late season intactness
- Strong foliar disease package



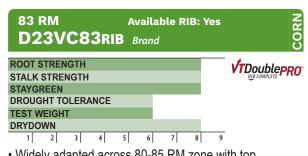
- · Great anthracnose stalk rot tolerance
- · Good test weight
- Benefits from fungicide in high pressure gray leaf spot and northern corn leaf blight areas



- Widely adapted across early 80's RM zone with top yield performance
- Strong agronomics with very good roots, stalks, and early vigor
- Medium-tall plant with girthy ear and loose husk, good drydown
- Attractive plant type with late season intactness
- Dominant yield in 80-82 day maturity range



	HARVEST						DISEASE T	OLERANC	E						PRODUCT		
Root Strength	Test Weight			Husk Coverage	Dual Purpose	Silage Select™	Gray Leaf Spot	Goss's Wilt	N. Leaf Blight	S. Leaf Blight	Eye Spot	Tar Spot	Common Rust	Southern Rust	Anthracnose	Leaf Anthracnose	Dyna-Gro Brand
8	8	6	8	Adequate	N/A	N/A	6	6	7	7	8	6	7	5	8	7	D14VC45RIB
7	7	8	8	Adequate	R	No	7	3	7	N/A	N/A	N/A	N/A	N/A	7	7	D19RR89
5	7	5	6	Adequate	N/A	N/A	4	5	6	7	6	5	7	4	8	N/A	D20VC24RIB
8	7	8	7	Short	HR	Yes	6	6	7	N/A	N/A	N/A	N/A	N/A	5	6	D21VC81RIB
8	6	8	6	Short	NR	No	6	8	7	N/A	N/A	N/A	N/A	N/A	8	7	D23VC83RIB
8	7	7	7	Medium	R	No	5	7	7	N/A	5	3	7	N/A	7	6	D25RR66
8	7	7	7	Medium	R	No	5	7	7	N/A	5	3	7	N/A	7	6	D25VC66RIB
 7	5	7	5	Adequate	N/A	N/A	6	5	5	7	7	5	7	4	6	N/A	D26VC64RIB

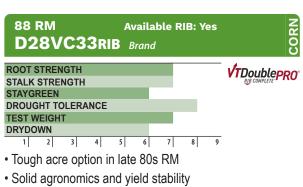


- Widely adapted across 80-85 RM zone with top yield potential
- Medium-short plant with good early vigor and early flowering
- Very good Goss's wilt tolerance and good northern leaf blight
- Good standability with very good stalks and roots
- Adapted to variable and ideal soils

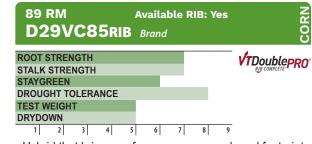


- · Great stalks and roots
- Keep in zone and north
- · Girthy semi-flex ear
- Medium plant and ear height with very good standability

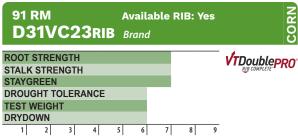
Million	PRODUCT						PLANTING		GROWTH							
	Dyna-Gro Brand	RM	Technology	Available Refuge Blend	Hybrid Family	GDU	Planting Population	Emergence	Seedling Vigor	Plant Height	Ear Height	Ear Flex	Drought Tolerance	Greensnap	Stalk Strength	/
	D27CC87	87	Conventional	No	D27VC87	2070	32-38	7	8	M/T	М	Semi-Det	6	7	7	
	D27RR87	87	RR2	No	D27VC87	2070	32-38	7	8	M/T	M	Semi-Det	6	7	7	
	D27VC87RIB	87	VT2P-RIB	Yes	D27VC87	2070	32-38	7	8	M/T	М	Semi-Det	6	7	7	
	D28VC33RIB	88	VT2P-RIB	Yes	D28VC33	2120	32-38	7	7	M/S	ML	Semi-Flex	8	7	7	
	D29VC85RIB	89	VT2P-RIB	Yes	D29VC85	2067	N/A	8	8	М	М	Semi-Flex	8	6	7	
	D31VC23RIB	91	VT2P-RIB	Yes	D31VC23	2290	32-38	7	8	M/T	М	Semi-Flex	6	7	7	
	D31VC31RIB	91	VT2P-RIB	Yes	D31VC31	2200	32-38	8	7	М	М	Semi-Det	8	8	8	
	D32RR41	92	RR2	No	D32VC41	2260	32-38	6	7	Т	М	Semi-Flex	8	7	6	
	D32VC41RIB	92	VT2P-RIB	Yes	D32VC41	2260	32-38	6	7	Т	М	Semi-Flex	8	7	6	
		1 11/100											X	1		



- Moderate plant stature
- Moves south of RM zone



- Hybrid that brings performance across a broad footprint
- · Very good drought tolerance
- Hybrid that handles the stress acre and low yield environments
- Best performance in Central and East Regions
- Dual purpose potential for very early RM silage markets



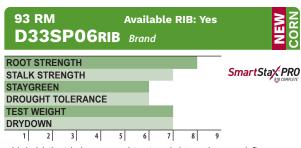
- Strong yield potential in early 90s RM zone
- Good ear flex and kernel depth
- · Solid disease package with very good ratings for Goss' wilt, northern corn leaf blight, and gray leaf spot
- Very good standability



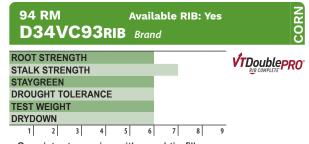
-	HARVEST						DISEASE T	OLERANC	E								PRODUCT
Root Strength	Test Weight	Grain Drydown	Staygreen	Husk Coverage	Dual Purpose	Silage Select™	Gray Leaf Spot	Goss's Wilt	N. Leaf Blight	S. Leaf Blight	Eye Spot	Tar Spot	Common Rust	Southern Rust	Anthracnose	Leaf Anthracnose	Dyna-Gro Brand
7	7	6	8	Long	R	No	5	6	7	N/A	8	6	8	5	7	6	D27CC87
7	7	6	8	Long	R	No	5	6	7	N/A	8	6	8	5	7	6	D27RR87
7	7	6	8	Long	R	No	5	6	7	N/A	8	6	8	5	7	6	D27VC87RIB
7	7	6	6	Long	HR	Yes	6	6	8	N/A	N/A	3	7	N/A	7	7	D28VC33RIB
7	5	5	6	Adequate	R	N/A	5	5	6	7	7	4	8	5	5	6	D29VC85RIB
7	6	6	7	Adequate	R	No	7	7	7	N/A	N/A	5	7	N/A	7	7	D31VC23RIB
8	7	7	7	Medium	R	No	5	5	8	8	7	3	N/A	N/A	7	8	D31VC31RIB
7	6	7	6	Adequate	HR	No	N/A	8	7	N/A	9	5	8	N/A	7	7	D32RR41
7	6	7	6	Adequate	HR	No	N/A	8	7	N/A	9	N/A	8	N/A	7	7	D32VC41RIB
(A)						W All	111	1					7 6			//	



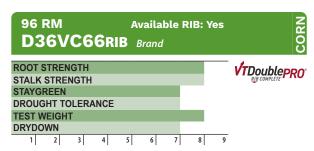
	PRODUCT						PLANTING		GROWTH							
	Dyna-Gro Brand	RM	Technology	Available Refuge Blend	Hybrid Family	GDU	Planting Population	Emergence	Seedling Vigor	Plant Height	Ear Height	Ear Flex	Drought Tolerance	Greensnap	Stalk Strength	/
	D32CC56	92	Conventional	No	D32SS56	2290	32-38	7	8	M/T	М	Semi-Flex	7	6	7	
	D32RR56	92	RR2	No	D32SS56	2290	32-38	7	8	M/T	М	Semi-Flex	7	6	7	
	D32VC56RIB	92	VT2P-RIB	Yes	D32SS56	2290	32-38	7	8	M/T	М	Semi-Flex	7	6	7	
NEW	D33SP06RIB	93	SSP-RIB	Yes	D33SP06	2485	N/A	7	7	M/T	MH	Semi-Flex	6	7	7	
	D34CC52	94	Conventional	No	D34VC52	2360	34-40	7	8	M/S	ML	Determinate	8	7	8	
	D34RR52	94	RR2	No	D34VC52	2360	34-40	7	8	M/S	ML	Determinate	8	7	8	
	D34VC52RIB	94	VT2P-RIB	Yes	D34VC52	2360	34-40	7	8	M/S	ML	Determinate	8	7	8	
	D34SS93RIB	94	SS-RIB	Yes	D34SS93	2387	34-38	8	8	M/T	MH	Semi-Flex	6	7	7	
	D34VC93RIB	94	VT2P-RIB	Yes	D34VC93	2387	34-38	8	8	M/T	MH	Semi-Flex	6	7	7	
	D36VC66RIB	96	VT2P-RIB	Yes	D36VC66	2350	34-38	7	8	M/T	MH	Semi-Flex	7	6	8	



- Hybrid that brings good test weight and a semi-flex ear
- Good agronomic package with top end yield performance
- Dual purpose grain and silage potential



- · Consistent ear size with good tip fill
- Tall/robust plant stature
- Very good late season plant intactness and eye appeal
- Manage placement in Goss's wilt prone areas



- Highest yield for maturity
- Taller plant type with outstanding stalks and roots
- Very good early vigor and tolerance for anthracnose stalk rot
- Widely adapted in zone, best central Minnesota and east
- Average for Goss's wilt, gray leaf spot, and northern leaf blight

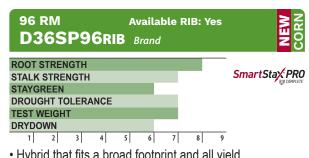


	HARVEST						DISEASE TO	OLERANC	E								PRODUCT
Root Strength	Test Weight	Grain Drydown	Staygreen	Husk Coverage	Dual Purpose	Silage Select™	Gray Leaf Spot	Goss's Wilt	N. Leaf Blight	S. Leaf Blight	Eye Spot	Tar Spot	Common Rust	Southern Rust	Anthracnose	Leaf Anthracnose	Dyna-Gro Brand
8	7	8	7	Adequate	HR	Yes	6	6	6	N/A	7	5	7	N/A	7	7	D32CC56
8	7	8	7	Adequate	HR	Yes	6	6	6	N/A	7	N/A	7	N/A	7	7	D32RR56
8	7	8	7	Adequate	HR	Yes	6	6	6	N/A	7	5	7	N/A	7	7	D32VC56RIB
8	7	7	6	Adequate	HR	No	6	6	7	9	8	5	8	5	9	8	D33SP06RIB
8	8	7	8	Medium	NR	No	6	7	7	N/A	8	N/A	8	N/A	7	7	D34CC52
8	8	7	8	Medium	NR	No	6	7	7	N/A	8	N/A	8	N/A	7	7	D34RR52
8	8	7	8	Medium	NR	No	6	7	7	N/A	8	N/A	8	N/A	7	7	D34VC52RIB
6	6	6	6	Adequate	N/A	No	5	5	6	8	7	5	8	5	8	8	D34SS93RIB
6	6	6	6	Adequate	HR	Yes	5	5	6	8	7	5	8	5	8	8	D34VC93RIB
8	8	7	7	Adequate	HR	No	6	6	6	N/A	N/A	6	N/A	N/A	8	7	D36VC66RIB



Man	PRODUCT						PLANTING		GROWTH				- Linking			4
	Dyna-Gro Brand	RM	Technology	Available Refuge Blend	Hybrid Family	GDU	Planting Population	Emergence	Seedling Vigor	Plant Height	Ear Height	Ear Flex	Drought Tolerance	Greensnap	Stalk Strength	/
NEW	D36SP96RIB	96	SSP-RIB	Yes	D36SP96	2456	N/A	8	8	M	М	Semi-Flex	7	7	7	
	D37PN35RA	97	PowerCore Enlist	Yes	D37PN35	2400	30-36	7	7	M	М	Semi-Flex	6	7	7	
	D37SS64RIB	97	SS-RIB	Yes	D37VC64	2360	34-40	8	8	M/T	М	Semi-Flex	7	7	7	
	D37VC64RIB	97	VT2P-RIB	Yes	D37VC64	2360	34-40	8	8	M/T	M	Semi-Flex	7	7	7	
NEW	D37TC76RIB	97	Trecepta-RIB	Yes	D37TC76	2436	N/A	8	8	M/T	MH	Semi-Flex	7	7	7	
	D38VC38RIB	98	VT2P-RIB	Yes	D38VC38	2390	30-38	7	8	M/T	MH	Semi-Flex	7	8	8	
	D38VC80RIB	98	VT2P-RIB	Yes	D38VC80	2390	30-38	7	8	M/T	М	Semi-Flex	7	7	6	
	D39CC43	99	Conventional	No	D39DC43	2460	32-38	8	8	М	ML	Semi-Flex	8	8	9	
	D39DC43RIB	99	DG/VT2P-RIB	Yes	D39DC43	2460	32-38	8	8	М	ML	Semi-Flex	8	8	9	
	D39VT75RIB	99	VT4P-RIB	Yes	D39VT75	2419	30-36	7	7	М	M	Semi-Flex	7	7	7	





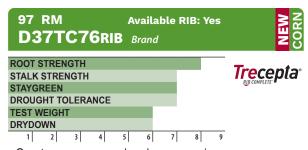
- Hybrid that fits a broad footprint and all yield environments
- Brings good tolerance to tar spot, ASR and crown rot
- Attractive phenotype, easy placing hybrid



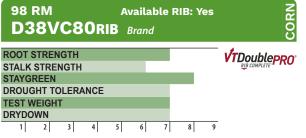
- PowerCore® Enlist® corn offering with great agronomics
- Dual purposed product with great late season appearance
- Manage for high yield on average and better soil types
- · Keep in zone and north



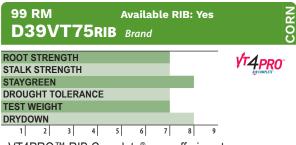
^		HARVEST						DISEASE T	OLERANC	E			/ I					PRODUCT
1	Root Strength	Test Weight	Grain Drydown	Staygreen	Husk Coverage	Dual Purpose	Silage Select™	Gray Leaf Spot	Goss's Wilt	N. Leaf Blight	S. Leaf Blight	Eye Spot	Tar Spot	Common Rust	Southern Rust	Anthracnose	Leaf Anthracnose	Dyna-Gro Brand
	8	7	6	6	Adequate	HR	No	7	6	6	8	8	6	8	5	8	8	D36SP96RIB
	7	5	5	7	Med-Long	HR	No	5	5	5	N/A	N/A	5	N/A	N/A	N/A	N/A	D37PN35RA
	7	7	7	7	Short	R	No	6	6	7	8	8	N/A	N/A	6	8	7	D37SS64RIB
	7	7	7	7	Short	R	No	6	6	7	8	8	N/A	N/A	6	8	7	D37VC64RIB
	8	6	6	7	Adequate	NR	No	5	8	5	8	8	6	8	5	8	8	D37TC76RIB
	8	8	9	6	Short	HR	No	7	7	7	N/A	8	N/A	N/A	N/A	7	7	D38VC38RIB
	7	7	7	8	Long	R	No	6	8	6	7	N/A	5	N/A	N/A	N/A	N/A	D38VC80RIB
	8	6	7	7	Long	HR	Yes	6	8	7	N/A	8	N/A	8	N/A	6	6	D39CC43
	8	6	7	7	Long	HR	Yes	6	8	7	N/A	8	N/A	8	N/A	6	6	D39DC43RIB
	7	7	8	8	Adequate	NR	No	6	5	5	8	8	5	8	5	8	8	D39VT75RIB



- Great emergence and early season vigor
- Agronomics will allow this corn to move west
- Good disease package with Ideal placement in moderate to high yield environment



- Widely adapted east to west
- Good Goss's wilt with low greensnap risk for western placement
- Moderately tall plant with medium girthy ear type
- Adapted in high to low yield environments

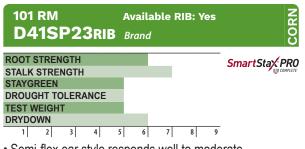


- VT4PRO™ RIB Complete® corn offering strong performance across a broad footprint
- Good agronomics with standability and drought tolerance
- Very good staygreen and eye-appeal at harvest
- · Keep in zone and north

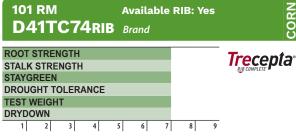
	PRODUCT						PLANTING		GROWTH				1			•
	Dyna-Gro Brand	RM	Technology	Available Refuge Blend	Hybrid Family	GDU	Planting Population	Emergence	Seedling Vigor	Plant Height	Ear Height	Ear Flex	Drought Tolerance	Greensnap	Stalk Strength	
	D40VC41RIE	3 100	VT2P-RIB	Yes	D40VC41	2480	32-38	7	7	М	М	Semi-Flex	6	7	7	
NI	EW D40VC46RIE	3 100	VT2P-RIB	Yes	D40VC46	2440	N/A	8	8	M	ML	Semi-Det	8	6	7	
	D41SP23RIE	3 101	SSP-RIB	Yes	D41SP23	2510	30-36	6	6	M/T	MH	Semi-Flex	5	6	7	
	D41TC74RIE	3 101	Trecepta-RIB	Yes	D41TC74	2555	34-36	5	5	M	М	Semi-flex	7	6	7	
NI	EW D43SP26RIE	3 103	SSP-RIB	Yes	D43SP26	2536	N/A	8	8	M/T	M	Semi-Flex	6	7	7	
	D43SS81RIE	3 103	SS-RIB	Yes	D43VC81	2480	32-38	7	8	T	MH	Semi-Flex	6	8	8	
	D43VC81RIE	3 103	VT2P-RIB	Yes	D43VC81	2470	32-38	7	8	Т	MH	Semi-Flex	6	8	8	
	D43VC85RIE	3 103	VT2P-RIB	Yes	D43VC85	2460	32-38	7	8	M/T	M	Semi-Flex	7	8	8	
				May lot 1					A HILLY							WW Y



- Good emergence and early season vigor with above average crown rot tolerance
- Product with high yield potential and stability in drought situations
- Plant at higher plant populations for top end yield
- Fungicide recommended in tar spot area's but overall good disease package



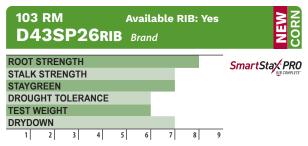
- Semi-flex ear style responds well to moderate planting populations
- Very good stalks
- Responds well to high management



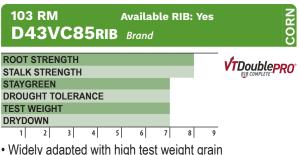
- Good late season intactness and staygreen
- Good stalks and roots
- Handles all but highest stress environments



-	HARVEST						DISEASE T	OLERANO	E							F	PRODUCT
Root Strength	Test Weight	Grain Drydown	Staygreen	Husk Coverage	Dual Purpose	Silage Select™	Gray Leaf Spot	Goss's Wilt	N. Leaf Blight	S. Leaf Blight	Eye Spot	Tar Spot	Common Rust	Southern Rust	Anthracnose	Leaf Anthracnose	Dyna-Gro Brand
7	6	7	6	Medium	HR	No	6	6	6	6	N/A	5	8	N/A	7	7	D40VC41RIB
7	6	7	7	Adequate	NR	No	7	8	6	8	8	5	8	8	8	8	D40VC46RIB
6	5	6	5	Short	NR	No	5	6	6	7	8	6	8	5	8	8	D41SP23RIB
7	7	7	7	Adequate	HR	No	7	5	4	N/A	N/A	6	7	N/A	7	7	D41TC74RIB
8	7	7	7	Long	NR	No	6	8	7	8	8	5	8	5	8	8	D43SP26RIB
8	6	8	7	Short	HR	Yes	7	7	7	8	8	3	N/A	6	7	6	D43SS81RIB
8	6	8	7	Short	HR	Yes	7	7	7	8	8	3	N/A	6	7	6	D43VC81RIB
8	7	7	7	Short	R	No	6	8	7	8	N/A	5	7	N/A	6	6	D43VC85RIB
			1019			M.						M			1	N M	



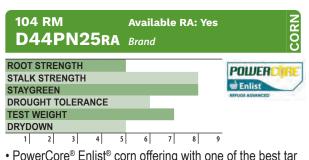
- Tolerance to above average pH levels
- Best performance on moderate to high yield environments
- Excellent emergence and strong plant vigor, enabling early planting opportunities
- · Semi-flex ears with impressive test weight and efficient drydown characteristics



- Widely adapted with high test weight grain
- · Medium-tall with very good stalks and roots, good early vigor
- Excellent western characteristics, good drought tolerance, very good Goss's wilt
- · Long ears and good kernel depth
- Good fall appearance and late season integrity with fast drydown



	Million	PRODUCT						PLANTING		GROWTH				- Constitution			•
		Dyna-Gro Brand	RM	Technology	Available Refuge Blend	Hybrid Family	GDU	Planting Population	Emergence	Seedling Vigor	Plant Height	Ear Height	Ear Flex	Drought Tolerance	Greensnap	Stalk Strength	
		D44CC25	104	Conventional	No	D44PN25	2507	32-36	7	7	M/T	MH	Flex	6	8	8	
		D44PN25RA	104	PowerCore Enlist	Yes	D44PN25	2507	32-36	7	7	M/T	MH	Flex	6	8	8	
		D44SS54RIB	104	SS-RIB	Yes	D44SS54	2560	34-38	7	8	М	M	Semi-Det	8	7	8	
	NEW	D44PN56RA	104	PowerCore Enlist	Yes	D44PN56	2610	N/A	8	8	M/T	MH	Flex	7	7	8	
		D44DC73RIB	104	DG/VT2P-RIB	Yes	D44DC73	2600	30-36	7	7	M/T	M	Flex	8	8	8	
		D45SP33RIB	105	SSP-RIB	Yes	D45SP23	2540	32-36	7	7	М	M	Semi-Det	6	7	6	
		D45TC55RIB	105	Trecepta-RIB	Yes	D45TC55	2580	34-38	8	8	M/T	ML	Semi-Det	8	5	8	
) -				p to	40.74					THE STREET STATE OF							



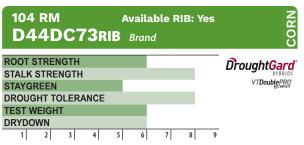
- PowerCore® Enlist® corn offering with one of the best tar spot scores
- Dual purpose product with great stalks
- Goss's wilt and greensnap ratings help western movement
- Great staygreen and intactness



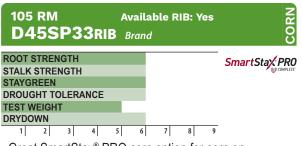
- Well-suited for diverse geographies, soil conditions, and yield environments
- Ear flex allows lower planting populations
- Appealing late-season appearance with outstanding staygreen and plant integrity
- Versatile dual-purpose hybrid delivering optimal results at moderate planting densities



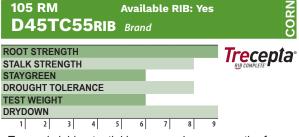
	HARVEST						DISEASE TO	OLERANO	E								PRODUCT
Root Strength	Test Weight	Grain Drydown	Staygreen	Husk Coverage	Dual Purpose	Silage Select™	Gray Leaf Spot	Goss's Wilt	N. Leaf Blight	S. Leaf Blight	Eye Spot	Tar Spot	Common Rust	Southern Rust	Anthracnose	Leaf Anthracnose	Dyna-Gro Brand
5	7	5	8	Med-Long	HR	Yes	7	8	7	N/A	N/A	7	N/A	N/A	N/A	N/A	D44CC25
5	7	5	8	Med-Long	HR	Yes	7	8	7	N/A	N/A	7	N/A	N/A	N/A	N/A	D44PN25RA
6	6	9	7	Medium	NR	No	6	6	8	N/A	N/A	5	N/A	4	8	7	D44SS54RIB
8	7	7	7	Adequate	HR	No	7	7	7	N/A	8	6	8	6	N/A	N/A	D44PN56RA
6	6	6	5	Adequate	R	No	7	8	6	N/A	N/A	3	7	N/A	6	6	D44DC73RIB
6	5	6	6	Adequate	NR	No	5	6	6	7	6	5	8	5	8	7	D45SP33RIB
9	6	9	6	Medium	HR	Yes	7	8	7	N/A	N/A	5	N/A	4	7	7	D45TC55RIB



- Widely adapted geographically and across all soil types
- · Long ears with good tip fill and kernel depth
- Solid agronomic with good drought tolerance and minimal greensnap

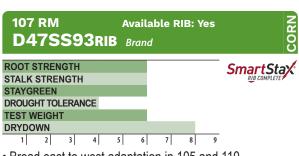


- Great SmartStax® PRO corn option for corn on corn acres
- Good early plant vigor and yield potential
- Medium statured plant with good standability
- Manage placement in Goss's wilt prone areas

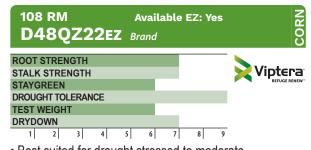


- Top-end yield potential in zone and moves south of zone
- · Medium-tall with very good stalks and roots
- Handles high plant populations
- Excellent early vigor for early planting
- Semi-determinate ear type on red cob, good dual purpose hybrid

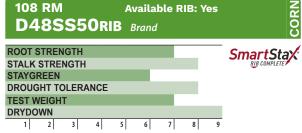
IIII	PRODUCT						PLANTING		GROWTH				V III VIII VIII VIII VIII VIII VIII VI			•
	Dyna-Gro Brand	RM	Technology	Available Refuge Blend	Hybrid Family	GDU	Planting Population	Emergence	Seedling Vigor	Plant Height	Ear Height	Ear Flex	Drought Tolerance	Greensnap	Stalk Strength	/
	D47SS93RIB	107	SS-RIB	Yes	D47SS93	2580	34-38	7	8	M/T	MH	Semi-Det	4	6	6	
	D48QZ22EZ	108	3220A E-Z Vip	Yes	D48QV22	2650	32-38	7	8	M	ML	Semi-Flex	9	6	7	
	D48SS50RIB	108	SS-RIB	Yes	D48SS50	2630	32-38	8	8	M	ML	Semi-Flex	8	7	8	
	D48VC84RIB	108	VT2P-RIB	Yes	D48VC84	2620	32-38	8	8	M	M	Semi-Flex	7	7	8	
	D49CC05	109	Conventional	No	D49PN05	2605	30-36	7	7	М	М	Flex	5	7	7	
	D49PN05RA	109	PowerCore Enlist	Yes	D49PN05	2605	30-36	7	7	М	М	Flex	5	7	7	
NEW	D49SP06RIB	109	SSP-RIB	Yes	D49SP06	2603	N/A	7	6	М	М	Flex	7	8	8	
	D49VC53RIB	109	VT2P-RIB	Yes	D49VC53	2700	32-38	7	7	M/T	М	Semi-Flex	7	8	7	
	D49CC70	109	Conventional	No	D49VC70	2563	32-38	7	8	М	М	Semi-Det	7	8	7	
		11/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1						1					X			1



- Broad east to west adaptation in 105 and 110 CRM zones
- Good response to fungicide when targeting maximum yield and gray leaf spot is an issue
- Fast drydown
- Very good early vigor



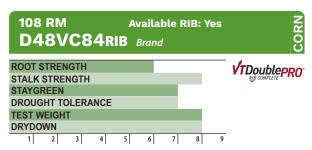
- Best suited for drought stressed to moderate yield environments
- · Widely adapted, best west and central
- Good plant health in general and good tolerance for Goss's wilt
- Adapted to a wide population range with semi-flex ear type
- Medium plant stature, very good early vigor



- · Widely adapted with high yield potential
- Medium plant stature with 16-18 kernel rows on a semi-flex ear
- Good Goss's wilt and drought tolerance with low greensnap risk
- Good northern leaf blight and anthracnose stalk rot tolerance with average gray leaf spot
- Quick drydown for early harvest



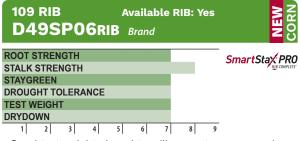
	HARVEST						DISEASE TO	OLERANO	E								PRODUCT
Root Strength	Test Weight	Grain Drydown	Staygreen	Husk Coverage	Dual Purpose	Silage Select™	Gray Leaf Spot	Goss's Wilt	N. Leaf Blight	S. Leaf Blight	Eye Spot	Tar Spot	Common Rust	Southern Rust	Anthracnose	Leaf Anthracnose	Dyna-Gro Brand
6	6	8	6	Med-Long	N/A	No	5	8	6	N/A	N/A	3	7	N/A	7	7	D47SS93RIB
7	6	7	6	Adequate	R	No	7	8	6	6	N/A	N/A	6	5	6	N/A	D48QZ22EZ
7	7	9	6	Adequate	HR	No	6	7	7	8	N/A	N/A	N/A	8	7	7	D48SS50RIB
6	8	8	7	Med-Long	R	No	6	7	8	N/A	N/A	5	N/A	N/A	7	7	D48VC84RIB
7	5	7	7	Med-Long	HR	No	7	7	4	7	N/A	5	N/A	5	N/A	N/A	D49CC05
7	5	7	7	Med-Long	HR	No	7	7	4	7	N/A	5	N/A	5	N/A	N/A	D49PN05RA
7	7	7	7	Adequate	NR	No	7	8	7	8	8	7	8	6	8	8	D49SP06RIB
7	7	7	6	Adequate	NR	No	7	7	6	5	N/A	4	7	5	6	6	D49VC53RIB
8	8	7	7	Medium	HR	No	7	6	8	8	N/A	6	N/A	5	8	8	D49CC70
A. A.							111				/////						



- Widely adapted east to west
- Top performer with consistent high yield in Dyna-Gro internal research
- · Very good stalks and excellent grain drydown
- Good ear flex, does not need high plant populations
- Good Goss's wilt tolerance, very good northern leaf blight, and average gray leaf spot tolerance

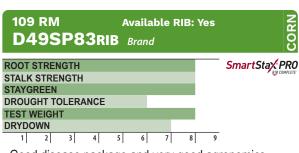


- PowerCore® Enlist® corn dual purpose offering with fast drydown
- Broad east to west footprint. Best fit in 110 and 115 RM zone
- Responds to management, great Goss's wilt and gray leaf spot ratings
- Responds to fungicide where northern leaf blight is a concern



- Good test weight, drought resilience, staygreen, and plant integrity
- Strong stalks and very good greensnap resistance
- Exceptional disease resistance, including outstanding tolerance to Goss's wilt

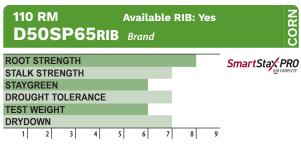
P	RODUCT						PLANTING		GROWTH				1 11111111			
	Dyna-Gro Brand	RM	Technology	Available Refuge Blend	Hybrid Family	GDU	Planting Population	Emergence	Seedling Vigor	Plant Height	Ear Height	Ear Flex	Drought Tolerance	Greensnap	Stalk Strength	/
	D49RR70	109	RR2	No	D49VC70	2563	32-38	7	8	M	M	Semi-Det	7	8	7	
	D49SS70RIB	109	SS-RIB	Yes	D49VC70	2640	32-38	7	8	M	М	Semi-Det	7	8	6	
	D49VC70RIB	109	VT2P-RIB	Yes	D49VC70	2563	32-38	7	8	M	М	Semi-Det	7	8	7	
	D49SP83RIB	109	SSP-RIB	Yes	D49SP83	2650	32-36	7	8	M/T	MH	Semi-Flex	6	7	8	
	D50VC09RIB	110	VT2P-RIB	Yes	D50VC09	2660	32-36	7	8	M/T	MH	Semi-Flex	7	7	7	
	D50VC30RIB	110	VT2P-RIB	Yes	D50VC30	2610	34-38	7	7	Т	MH	Semi-Det	7	7	8	
	D50SP65RIB	110	SSP-RIB	Yes	D50SP65	2626	32-36	7	7	T	MH	Semi-Flex	7	8	7	
	D51SS61RIB	111	SS-RIB	Yes	D51SS61	2670	34-38	7	7	M	М	Semi-Det	7	8	8	
	D51VC95RIB	111	VT2P-RIB	Yes	D51VC95	2643	32-36	8	7	М	М	Semi-Flex	7	8	8	
	D52CC63	112	Conventional	No	D52VC63	2710	34-38	7	7	M/T	М	Semi-Det	7	6	7	



- Good disease package and very good agronomics
- Semi-flex ear for wide range of planting populations
- Very good late season plant intactness and staygreen



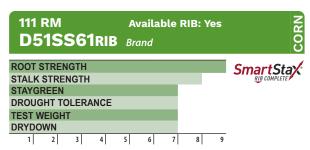
- Widely adapted east to west and north to south with exceptional top end yield potential
- Medium-tall plant with semi-flex ear type
- Good Goss's wilt and gray leaf spot
- Very good northern leaf blight and anthracnose stalk rot tolerance



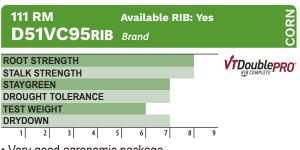
- Strong performance east to west
- Very good agronomic package with good stalks and root strength
- Good early season stand establishment and vigor
- Dual purpose silage/grain



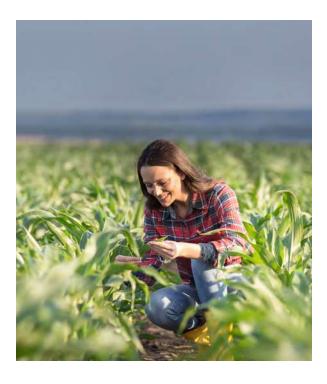
	HARVEST						DISEASE TO	OLERANC	Ε						PRODUCT		
Root Strength			Husk Coverage	Dual Purpose	Silage Select™	Gray Leaf Spot	Goss's Wilt	N. Leaf Blight	S. Leaf Blight	Eye Spot	Tar Spot	Common Rust	Southern Rust	Anthracnose	Leaf Anthracnose	Dyna-Gro Brand	
8	8	7	7	Medium	HR	No	7	6	8	8	N/A	6	N/A	5	8	8	D49RR70
7	8	7	7	Medium	HR	No	7	6	8	8	N/A	6	N/A	5	8	8	D49SS70RIB
8	8	7	7	Medium	HR	No	7	6	8	8	N/A	6	N/A	5	8	8	D49VC70RIB
8	8	7	8	Adequate	NR	No	6	5	5	7	7	5	7	5	8	7	D49SP83RIB
6	6	8	6	Adequate	HR	No	7	7	8	7	N/A	3	N/A	6	8	7	D50VC09RIB
8	6	7	8	Adequate	HR	No	7	8	8	8	8	N/A	7	5	7	7	D50VC30RIB
8	6	7	6	Adequate	HR	No	7	7	7	8	8	4	8	6	8	7	D50SP65RIB
9	7	7	7	Adequate	NR	No	7	8	8	8	N/A	5	N/A	5	6	6	D51SS61RIB
8	6	7	7	Adequate	N/A	N/A	5	8	6	8	8	4	8	5	7	7	D51VC95RIB
7	8	7	7	Adequate	HR	Yes	5	7	8	8	N/A	N/A	N/A	5	7	7	D52CC63



- Top yield with very good stalks and excellent roots
- Widely adapted east to west and north to south and excels in the Corn Belt
- Excellent plant health
- Very good northern leaf blight, southern leaf blight, and good gray leaf spot



- Very good agronomic package
- Very good Goss's wilt and greensnap rating allow western performance
- Attractive phenotype and harvest appearance
- Moves north of zone as a full season option

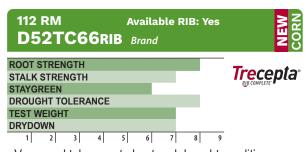


	THE STATE OF THE S	PRODUCT						PLANTING		GROWTH				- Linear			4
		Dyna-Gro Brand	RM	Technology	Available Refuge Blend	Hybrid Family	GDU	Planting Population	Emergence	Seedling Vigor	Plant Height	Ear Height	Ear Flex	Drought Tolerance	Greensnap	Stalk Strength	/
		D52SS63RIB	112	SS-RIB	Yes	D52VC63	2720	34-38	7	7	M/T	М	Semi-Det	7	6	7	
		D52VC63	112	VT2P	Yes	D52VC63	2710	34-38	7	7	M/T	М	Semi-Det	7	6	7	
		D52VC63RIB	112	VT2P	Yes	D52VC63	2710	34-38	7	7	M/T	M	Semi-Det	7	6	7	
	NEW	D52TC66	112	Trecepta	Yes	D52TC66	2558	N/A	7	7	M/T	M	Semi-Flex	8	6	7	
	NEW	D52TC66RIB	112	Trecepta-RIB	Yes	D52TC66	2558	N/A	7	7	M/T	M	Semi-Flex	8	6	7	
	NEW	D52PN76RA	112	PowerCore Enlist	Yes	D52PN76	2597	N/A	7	7	M/T	М	Flex	8	8	7	
		D52DC82	112	DG/VT2P	Yes	D52SS82	2670	32-36	7	7	T	Н	Semi-Flex	7	8	8	
Ś		D52DC82RIB	112	DG/VT2P-RIB	Yes	D52SS82	2670	32-36	7	7	T	Н	Semi-Flex	7	8	8	
j		D52SS82RIB	112	SS-RIB	Yes	D52SS82	2670	32-36	7	7	M/S	М	Semi-Flex	6	8	7	
2									11				X	X			1





	HARVEST						DISEASE TO	OLERANO	Œ						PRODUCT		
Root Strength	Test Weight	Grain Drydown	Staygreen	Husk Coverage	Dual Purpose	Silage Select™	Gray Leaf Spot	Goss's Wilt	N. Leaf Blight	S. Leaf Blight	Eye Spot	Tar Spot	Common Rust	Southern Rust	Anthracnose	Leaf Anthracnose	Dyna-Gro Brand
7	8	7	7	Adequate	HR	Yes	5	7	8	8	N/A	6	N/A	5	7	7	D52SS63RIB
7	8	7	7	Adequate	HR	Yes	5	7	8	8	N/A	6	N/A	5	7	7	D52VC63
7	8	7	7	Adequate	HR	Yes	5	7	8	8	N/A	6	N/A	5	7	7	D52VC63RIB
8	7	7	6	Adequate	NR	No	7	7	6	7	8	6	8	8	8	8	D52TC66
8	7	7	6	Adequate	NR	No	7	7	6	7	8	6	8	8	8	8	D52TC66RIB
7	7	7	8	Adequate	HR	No	8	8	8	n/a	8	7	8	8	7	7	D52PN76RA
8	6	9	7	Long	HR	Yes	6	7	8	8	N/A	N/A	N/A	5	7	7	D52DC82
8	6	9	7	Long	HR	Yes	6	7	8	8	N/A	N/A	N/A	5	7	7	D52DC82RIB
7	6	9	7	Long	HR	Yes	6	7	8	8	N/A	N/A	N/A	6	8	7	D52SS82RIB
(Aux)					A POST		111				1.////		7			///	



- Very good tolerance to heat and drought conditions
- Good test weight and grain quality, with potential for food-grade applications
- Semi-flex ear type with good drydown characteristics

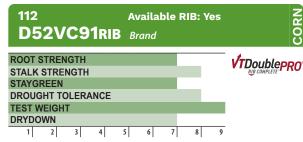


- Exceptional potential for top-end yields
- Excellent ear flexibility supports moderate planting densities
- Excellent versatility with dual-purpose capabilities
- Robust disease resistance, including strong tolerance to NCLB and Goss's wilt

Illian	PRODUCT						PLANTING		GROWTH							
	Dyna-Gro Brand	RM	Technology	Available Refuge Blend	Hybrid Family	GDU	Planting Population	Emergence	Seedling Vigor	Plant Height	Ear Height	Ear Flex	Drought Tolerance	Greensnap	Stalk Strength	/
	D52CC91	112	Conventional	No	D52VC91	2700	32-36	8	8	M/S	M	Semi-Flex	8	5	8	
	D52SS91	112	SS	Yes	D52VC91	2740	32-36	8	8	M/S	М	Semi-Flex	8	5	8	
	D52SS91RIB	112	SS-RIB	Yes	D52VC91	2740	32-36	8	8	M/S	M	Semi-Flex	8	5	8	
	D52VC91	112	VT2P	Yes	D52VC91	2700	32-36	8	8	M/S	М	Semi-Flex	8	5	8	
	D52VC91RIB	112	VT2P-RIB	Yes	D52VC91	2700	32-36	8	8	M/S	М	Semi-Flex	8	5	8	
NEW	D52VT96RIB	112	VT4-RIB	Yes	D52VT96	2542	N/A	7	7	M/T	M	Semi-Flex	8	7	8	
	D53CC13WX	113	Conv/ WX	No	D53SS13	2730	32-38	8	8	M/T	M	Semi-Det	6	7	7	
	D53SS13RIB	113	SS-RIB	Yes	D53SS13	2730	32-38	8	8	M/T	M	Semi-Det	6	7	7	
	D53TC23	113	Trecepta	Yes	D53TC23	2750	32-38	6	7	M/T	MH	Semi-Det	7	6	6	
	D53TC23RIB	113	Trecepta-RIB	Yes	D53TC23	2750	32-38	6	7	M/T	MH	Semi-Det	7	6	6	
•																



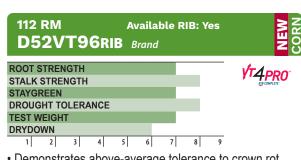
- Consistent top yields and good stress tolerance
- Dependable top yields under stress and in high yield environments
- · Well adapted to heavy soils
- · Medium-short plant height with excellent grain quality
- Strong stalks and large root mass



- Consistent top yields and good stress tolerance
- Dependable top yields under stress and in high yield environments
- · Well adapted to heavy soils
- Medium-short plant height with excellent grain quality
- · Strong stalks and large root mass



	HARVEST						DISEASE T	OLERANC	Ε						PRODUCT		
Root Strength			Husk Coverage	Dual Purpose	Silage Select™	Gray Leaf Spot	Goss's Wilt	N. Leaf Blight	S. Leaf Blight	Eye Spot	Tar Spot	Common Rust	Southern Rust	Anthracnose	Leaf Anthracnose	Dyna-Gro Brand	
7	9	7	7	Adequate	NR	No	6	6	8	8	7	N/A	7	6	6	6	D52CC91
7	9	7	7	Adequate	NR	No	6	6	8	8	7	N/A	7	6	6	6	D52SS91
7	9	7	7	Adequate	NR	No	6	6	8	8	7	N/A	7	6	6	6	D52SS91RIB
7	9	7	7	Adequate	NR	No	6	6	8	8	7	N/A	7	6	6	6	D52VC91
7	9	7	7	Adequate	NR	No	6	6	8	8	7	N/A	7	6	6	6	D52VC91RIB
7	7	6	7	Adequate	NR	No	6	7	7	8	8	5	8	5	8	7	D52VT96RIB
9	8	7	6	Short	NR	No	7	7	8	8	N/A	N/A	N/A	5	7	7	D53CC13WX
9	8	7	6	Short	HR	No	7	7	8	8	N/A	N/A	N/A	5	7	7	D53SS13RIB
7	7	8	5	Adequate	R	No	6	6	7	8	N/A	N/A	N/A	8	6	6	D53TC23
7	7	8	5	Adequate	R	No	6	6	7	8	N/A	N/A	N/A	8	6	6	D53TC23RIB

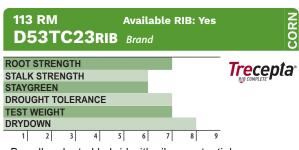


- Demonstrates above-average tolerance to crown rot
- · Very good stalk strength and drought resilience
- Semi-flex ear featuring 18-20 kernel rows and impressive test weight
- Very good tolerance to greensnap and Goss's wilt, making it suitable for western regions

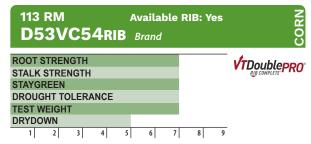


- · Waxy non-GMO hybrid with top yield
- Medium-tall plant type, good stalks and excellent roots
- Good tolerance for Gray leaf spot, stalk anthracnose, northern leaf blight, and southern leaf blight
- Semi-determinate ear type with 16-18 kernel rows of high test weight grain

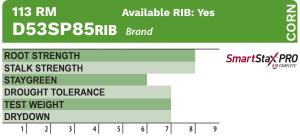
	PRODUCT						PLANTING		GROWTH				- Vinesia			4
	Dyna-Gro Brand	RM	Technology	Available Refuge Blend	Hybrid Family	GDU	Planting Population	Emergence	Seedling Vigor	Plant Height	Ear Height	Ear Flex	Drought Tolerance	Greensnap	Stalk Strength	/
	D53CC33	113	Conventional	No	D53VC33	2720	32-36	7	7	M/T	M	Semi-Flex	8	7	7	
	D53VC33RIB	113	VT2P-RIB	Yes	D53VC33	2720	32-36	7	7	M/T	M	Semi-Flex	8	7	7	
	D53VC54RIB	113	VT2P-RIB	Yes	D53VC54	2655	34-36	7	7	M/T	MH	Semi-flex	7	7	7	
	D53SP85RIB	113	SSP-RIB	Yes	D53SP85	2681	32-36	7	7	M/T	M	Semi-Det	7	7	8	
	D54RR14	114	RR2	No	D54VC14	2710	32-38	7	9	М	M	Semi-Flex	8	8	7	
	D54VC14	114	VT2P	Yes	D54VC14	2710	32-38	7	9	М	M	Semi-Flex	8	8	7	
	D54VC14RIB	114	VT2P-RIB	Yes	D54VC14	2710	32-38	7	9	М	M	Semi-Flex	8	8	7	
	D54SS34	114	SS	Yes	D54VC34	2750	32-38	7	8	M	M	Semi-Flex	7	7	7	
j	D54SS34RIB	114	SS-RIB	Yes	D54VC34	2750	32-38	7	8	М	М	Semi-Flex	7	7	7	
	D54VC34	114	VT2P	Yes	D54VC34	2740	32-38	7	8	M/T	M	Semi-Flex	7	7	7	



- Broadly adapted hybrid with silage potential
- Combines top-end yield potential with good stress tolerance
- Solid disease package for both northern and southern environments
- Minor risk for greensnap



- Great disease package and stalks and roots
- · Good late season health, standability, and intactness
- Yield stability across wide geography



- Strong agronomic package
- SmartStax® PRO corn with very high yield potential
- Disease package allow east to west placement
- Dual purpose silage/grain potential
- Attractive phenotype



	HARVEST						DISEASE T	OLERANC	E						PRODUCT				
Root Strength	Test Weight	Grain Drydown	Staygreen	Husk Coverage	Dual Purpose	Silage Select™	Gray Leaf Spot	Goss's Wilt	N. Leaf Blight	S. Leaf Blight	Eye Spot	Tar Spot	Common Rust	Southern Rust	Anthracnose	Leaf Anthracnose	Dyna-Gro Brand		
7	7	7	7	Med-Long	HR	No	7	6	7	7	N/A	5	6	5	6	6	D53CC33		
7	7	7	7	Med-Long	HR	No	7	6	7	7	N/A	5	6	5	6	6	D53VC33RIB		
7	7	5	7	Adequate	R	No	7	7	7	7	N/A	5	7	4	6	6	D53VC54RIB		
8	7	7	6	Adequate	R	N/A	6	8	7	8	8	4	8	4	7	7	D53SP85RIB		
8	9	7	7	Adequate	R	No	7	7	8	8	N/A	N/A	N/A	7	6	N/A	D54RR14		
8	9	7	7	Adequate	R	No	7	7	8	8	N/A	N/A	N/A	7	6	7	D54VC14		
8	9	7	7	Adequate	R	No	7	7	8	8	N/A	N/A	N/A	7	6	7	D54VC14RIB		
8	8	7	8	Long	HR	No	7	7	7	8	N/A	N/A	N/A	5	7	7	D54SS34		
8	8	7	8	Long	HR	No	7	7	7	8	N/A	N/A	N/A	5	7	7	D54SS34RIB		
8	8	7	8	Long	HR	No	7	7	7	8	N/A	N/A	N/A	5	5	7	D54VC34		



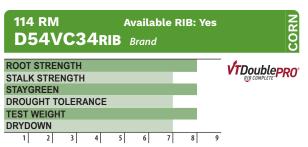
CORN

Minor	PRODUCT						PLANTING		GROWTH							•
	Dyna-Gro Brand	RM	Technology	Available Refuge Blend	Hybrid Family	GDU	Planting Population	Emergence	Seedling Vigor	Plant Height	Ear Height	Ear Flex	Drought Tolerance	Greensnap	Stalk Strength	
	D54VC34RIB	114	VT2P-RIB	Yes	D54VC34	2740	32-38	7	8	M/T	М	Semi-Flex	7	7	7	
	D54SS74RIB	114	SS-RIB	Yes	D54SS74	2740	32-36	8	8	M	М	Semi-Flex	7	8	7	
	D55CC80	115	Conventional	No	D55VC80	2780	32-36	7	8	M/T	MH	Semi-Flex	6	6	7	
	D55VC80	115	VT2P	Yes	D55VC80	2780	32-36	7	8	M/T	MH	Semi-Flex	6	6	7	
	D55VC80RIB	115	VT2P-RIB	Yes	D55VC80	2780	32-36	7	8	M/T	MH	Semi-Flex	6	6	7	
NEW	D55CC86	115	Conventional	Yes	D55TC86	2711	N/A	7	7	M	М	Semi-Flex	8	7	7	
NEW	D55VC86	115	VT2P	Yes	D55TC86	2711	N/A	7	7	M	М	Semi-Flex	8	7	7	
NEW	D55VC86RIB	115	VT2P-RIB	Yes	D55TC86	2711	N/A	7	7	M	М	Semi-Flex	8	7	7	
				11/6/10			No.	1								MAY Y

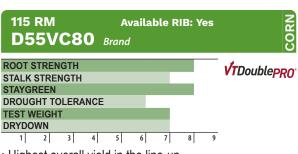




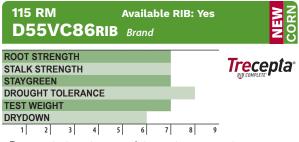
	HARVEST						DISEASE T	OLERANO	E								PRODUCT
Root Strength	Test Weight	Grain Drydown	Staygreen	Husk Coverage	Dual Purpose	Silage Select™	Gray Leaf Spot	Goss's Wilt	N. Leaf Blight	S. Leaf Blight	Eye Spot	Tar Spot	Common Rust	Southern Rust	Anthracnose	Leaf Anthracnose	Dyna-Gro Brand
8	8	7	8	Long	HR	No	7	7	7	8	N/A	N/A	N/A	5	5	7	D54VC34RIB
8	6	6	6	Adequate	NR	No	6	7	8	8	N/A	N/A	N/A	5	7	7	D54SS74RIB
8	7	7	8	Adequate	HR	Yes	7	7	8	8	N/A	N/A	N/A	N/A	7	7	D55CC80
8	7	7	8	Adequate	HR	Yes	7	7	8	8	N/A	N/A	N/A	N/A	7	7	D55VC80
8	7	7	8	Adequate	HR	Yes	7	7	8	8	N/A	N/A	N/A	N/A	7	7	D55VC80RIB
7	7	6	7	Adequate	HR	No	7	6	7	8	8	6	8	5	7	7	D55CC86
7	7	6	7	Adequate	HR	No	7	6	7	8	8	6	8	5	7	7	D55VC86
7	7	6	7	Adequate	HR	No	7	6	7	8	8	6	8	5	7	7	D55VC86RIB



- Medium-tall plant type with semi-flex ear and very good test weight
- Good plant health: good gray leaf spot, Goss's wilt, northern leaf blight, southern leaf blight
- Medium-tall plant type with semi-flex ear and very good test weight
- Full canopy with good shading



- Highest overall yield in the line-up
- Very good southern leaf blight, northern leaf blight and southern rust, good gray leaf spot and Goss's wilt
- Medium-tall plant with semi-flex ear type
- Widely adapted, best central and east

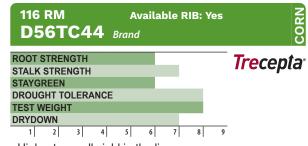


- Demonstrates strong resistance to crown rot
- Versatile hybrid suitable for both grain and silage production
- Strong tolerance to both drought and heat stress
- Semi-flex ear with excellent test weight

Illian	PRODUCT						PLANTING		GROWTH				1 11111111			
	Dyna-Gro Brand	RM	Technology	Available Refuge Blend	Hybrid Family	GDU	Planting Population	Emergence	Seedling Vigor	Plant Height	Ear Height	Ear Flex	Drought Tolerance	Greensnap	Stalk Strength	/
	D56RR44	116	RR2	NO	D56TC44	2595	32-36	8	8	M/T	M	Semi-Flex	8	8	7	
	D56TC44	116	Trecepta	Yes	D56TC44	2595	32-36	8	8	M/T	М	Semi-Flex	8	8	7	
	D56TC44RIB	116	Trecepta-RIB	Yes	D56TC44	2595	32-36	8	8	M/T	М	Semi-Flex	8	8	7	
	D57VC17	117	VT2P	Yes	D57VC17	2840	32-36	7	9	Т	MH	Semi-Det	7	8	8	
	D57TC29	117	Trecepta	Yes	D57TC29	2800	30-36	7	8	Т	MH	Semi-Flex	7	8	7	
	D57TC29RIB	117	Trecepta-RIB	Yes	D57TC29	2800	30-36	7	8	Т	MH	Semi-Flex	7	8	7	
	D57CC51	117	Conventional	No	D57VC51	2810	32-36	6	6	М	М	Flex	6	6	8	
	D57RR51	117	RR2	No	D57VC51	2810	32-36	6	6	M	M	Flex	6	6	8	
	D57VC51	117	VT2P	Yes	D57VC51	2810	32-36	6	6	М	M	Flex	6	6	8	
	D57VC51RIB	117	VT2P-RIB	Yes	D57VC51	2810	32-36	6	6	М	М	Flex	6	6	8	



- Handles heat and drought stress very well
- · Very good test weight and grain appearance
- Plant in warmer soils middle to latter part of planting window



- · Highest overall yield in the line-up
- Handles heat and drought stress very well
- Very good test weight and grain appearance
- Plant in warmer soils middle to latter part of planting window



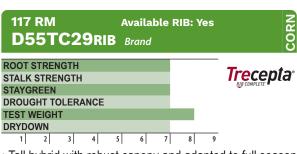
	HARVEST						DISEASE T	OLERANC	E								PRODUCT
Root Strength	Test Weight	Grain Drydown	Staygreen	Husk Coverage	Dual Purpose	Silage Select™	Gray Leaf Spot	Goss's Wilt	N. Leaf Blight	S. Leaf Blight	Eye Spot	Tar Spot	Common Rust	Southern Rust	Anthracnose	Leaf Anthracnose	Dyna-Gro Brand
6	8	7	6	Adequate	NR	No	5	5	6	7	7	5	7	6	5	7	D56RR44
6	8	7	6	Adequate	NR	No	5	5	6	7	7	5	7	6	5	7	D56TC44
6	8	7	6	Adequate	NR	No	5	5	6	7	7	5	7	6	5	7	D56TC44RIB
9	9	6	9	Adequate	HR	Yes	7	7	8	6	N/A	N/A	6	5	6	6	D57VC17
7	8	7	7	Long	HR	No	6	7	7	8	N/A	N/A	N/A	5	8	7	D57TC29
7	8	7	7	Long	HR	No	6	7	7	8	N/A	N/A	N/A	5	8	7	D57TC29RIB
9	7	6	7	Adequate	R	No	6	4	7	8	7	N/A	6	7	6	6	D57CC51
9	7	6	7	Adequate	R	No	6	4	7	8	7	N/A	6	7	6	6	D57RR51
9	7	6	7	Adequate	R	No	6	4	7	8	7	N/A	6	7	6	6	D57VC51
9	7	6	7	Adequate	R	No	6	4	7	8	7	N/A	6	7	6	6	D57VC51RIB

117 RM	A	vailal	ble R	RIB: No	Z
D57VC17	Brand				CORN
ROOT STRENGTH					√ TDouble _{PRO}
STALK STRENGTH					- AlboubtebKO.
STAYGREEN					
DROUGHT TOLERANG	CE				
TEST WEIGHT					
DRYDOWN					
1 2 3 4	5	6	7	8 9	

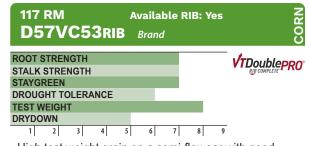
- central Corn Belt
- Excellent roots and good stalks with late season staygreen
- High test weight grain with a semi-determinate ear type
- Good plant health and tolerates high heat stress



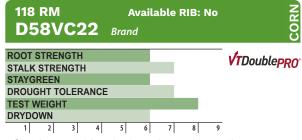
PRODUCT						PLANTING		GROWTH				V III VIII VIII VIII VIII VIII VIII VI			•
Dyna-Gro Brand	RM	Technology	Available Refuge Blend	Hybrid Family	GDU	Planting Population	Emergence	Seedling Vigor	Plant Height	Ear Height	Ear Flex	Drought Tolerance	Greensnap	Stalk Strength	/
D57VC53	117	VT2P	Yes	D57VC53	2850	32-36	7	7	Т	MH	Semi-Flex	6	5	7	
D57VC53RIB	117	VT2P-RIB	Yes	D57VC53	2850	32-36	7	7	Т	MH	Semi-Flex	6	5	7	
D57VC75	117	VT2P	Yes	D57VC75	2800	32-38	7	7	Т	MH	Semi-Det	7	7	8	
D57VC75RIB	117	VT2P-RIB	Yes	D57VC75	2800	32-38	7	7	T	MH	Semi-Det	7	7	8	
D58VC22	118	VT2P	No	D58VC22	2860	30-32	7	7	M/T	М	Semi-Flex	7	7	7	
D58SS65	118	SS	Yes	D58VC65	2850	32-36	8	8	M	М	Semi-Flex	7	7	8	
D58SS65RIB	118	SS-RIB	Yes	D58VC65	2850	32-36	8	8	М	М	Semi-Flex	7	7	8	
D58VC65	118	VT2P	Yes	D58VC65	2830	32-36	8	8	М	М	Semi-Flex	7	7	8	
D58VC65RIB	118	VT2P-RIB	Yes	D58VC65	2830	32-36	8	8	М	М	Semi-Flex	7	7	8	
	11/1/10						1				4	X			1



- Tall hybrid with robust canopy and adapted to full season areas
- Good Goss's wilt, northern leaf blight, southern leaf blight, and anthracnose, average gray leaf spot
- Semi-flex ear and pink cob with high test weight grain
- Good drought tolerance and staygreen with excellent intactness



- High test weight grain on a semi-flex ear with good kernel depth
- Tall plant with very good canopy cover
- Broadly adapted in full season zone
- Handles a wide variety of soil types and yield environments



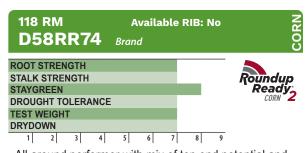
- Consistent yield and adapted to various soil types
- · Medium-tall with wide leaves and full canopy
- · Good grain quality and test weight
- Good plant health, good southern rust tolerance



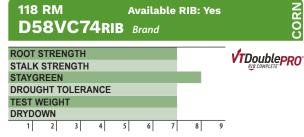
	HARVEST						DISEASE TO	OLERAN	CE								PRODUCT
Root Strength	Test Weight	Grain Drydown	Staygreen	Husk Coverage	Dual Purpose	Silage Select™	Gray Leaf Spot	Goss's Wilt	N. Leaf Blight	S. Leaf Blight	Eye Spot	Tar Spot	Common Rust	Southern Rust	Anthracnose	Leaf Anthracnose	Dyna-Gro Brand
7	8	5	7	Long	R	No	7	5	7	6	N/A	3	7	6	N/A	N/A	D57VC53
7	8	5	7	Long	R	No	7	5	7	6	N/A	3	7	6	N/A	N/A	D57VC53RIB
6	6	6	8	Long	HR	Yes	6	7	8	9	7	N/A	6	4	6	6	D57VC75
6	6	6	8	Long	HR	Yes	6	7	8	9	7	N/A	6	4	6	6	D57VC75RIB
6	8	6	6	Adequate	HR	No	6	7	8	8	N/A	N/A	N/A	7	6	6	D58VC22
7	9	7	7	Adequate	HR	No	7	7	8	8	N/A	N/A	6	7	6	6	D58SS65
7	9	7	7	Adequate	HR	No	7	7	8	8	N/A	N/A	6	7	6	6	D58SS65RIB
7	9	7	7	Adequate	HR	No	7	7	8	8	N/A	N/A	6	7	6	6	D58VC65
7	9	7	7	Adequate	HR	No	7	7	8	8	N/A	N/A	6	7	6	6	D58VC65RIB
/ A. A							111				. ////		7			1	



Allies	PRODUCT						PLANTING		GROWTH				1 11000			
	Dyna-Gro Brand	RM	Technology	Available Refuge Blend	Hybrid Family	GDU	Planting Population	Emergence	Seedling Vigor	Plant Height	Ear Height	Ear Flex	Drought Tolerance	Greensnap	Stalk Strength	
	D58RR74	118	RR2	No	D58VC74	2850	32-36	7	7	М	ML	Semi-Flex	7	6	7	
	D58VC74	118	VT2P	Yes	D58VC74	2850	32-36	7	7	М	ML	Semi-Flex	7	6	7	
	D58VC74RIB	118	VT2P-RIB	Yes	D58VC74	2850	32-36	7	7	М	ML	Semi-Flex	7	6	7	
	D58RR94	118	RR2	No	D58TC94	2810	32-36	7	8	M	ML	Semi-Flex	7	6	7	
	D58TC94	118	Trecepta	Yes	D58TC94	2810	32-36	7	8	М	ML	Semi-Flex	7	6	7	
	D58TC94RIB	118	Trecepta-RIB	Yes	D58TC94	2810	32-36	7	8	М	ML	Semi-Flex	7	6	7	
	D60TC45	120	Trecepta	Yes	D60TC45	2865	32-36	7	7	T	Н	Semi-Flex	8	8	8	
	D60TC45RIB	120	Trecepta-RIB	Yes	D60TC45	2865	32-36	7	7	Ţ	Н	Semi-Flex	8	8	8	



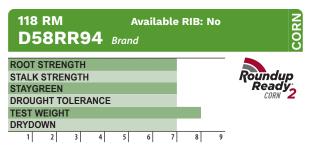
- All around performer with mix of top end potential and stress tolerance
- Agronomically solid with very good stalks, roots, and test weight
- Best suited in moderate to higher productivity environments



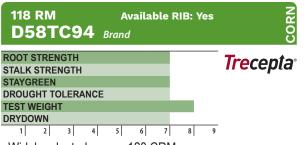
- All around performer with mix of top end potential and stress tolerance
- Agronomically solid with very good stalks, roots, and test weight
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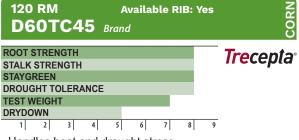
	HARVEST						DISEASE T	OLERANO	Œ								PRODUCT
Root Strength	Test Weight	Grain Drydown	Staygreen	Husk Coverage	Dual Purpose	Silage Select™	Gray Leaf Spot	Goss's Wilt	N. Leaf Blight	S. Leaf Blight	Eye Spot	Tar Spot	Common Rust	Southern Rust	Anthracnose	Leaf Anthracnose	Dyna-Gro Brand
7	7	7	8	Adequate	NR	No	6	6	7	8	7	5	7	7	7	N/A	D58RR74
7	7	7	8	Adequate	NR	No	6	6	7	8	7	5	7	7	7	N/A	D58VC74
7	7	7	8	Adequate	NR	No	6	6	7	8	7	5	7	7	7	N/A	D58VC74RIB
7	8	7	7	Adequate	NR	No	6	5	7	8	7	5	7	7	7	N/A	D58RR94
7	8	7	7	Adequate	NR	No	6	5	7	8	7	5	7	7	7	N/A	D58TC94
7	8	7	7	Adequate	NR	No	6	5	7	8	7	5	7	7	7	N/A	D58TC94RIB
7	7	5	8	Adequate	HR	N/A	7	5	7	8	8	5	8	7	8	8	D60TC45
7	7	5	8	Adequate	HR	N/A	7	5	7	8	8	5	8	7	8	8	D60TC45RIB



- Widely adapted across 120 CRM zone
- Excellent test weight
- Solid agronomics and disease package to include southern rust tolerance



- Widely adapted across 120 CRM zone
- Excellent test weight
- Solid agronomics and disease package including southern rust tolerance



- Handles heat and drought stress
- Large plant stature with very good silage tonnage and quality
- Good tolerance to southern rust
- Large plant with good agronomics



DYNAGRO.

SEED

LEGEND

RATING SCALE:

9 = Excellent

7-8 = Very Good

5-6 = Good

3-4 = Fair

1-2 = Poor

N/A = Information Not Available

Ratings given are approximate and should not be considered as absolute. Ratings are based on Dyna-Gro® Seed conducted trials and are relative to other Dyna-Gro® Seed Brand soybeans.

HERBICIDE TOLERANT TRAITS:

ENLIST = Enlist E3®

ENLIST/STS = Enlist E3® with the STS® herbicide tolerant trait

RR2XT = Roundup Ready 2 Xtend®

RR2XT/STS = Roundup Ready 2 Xtend® with STS stacked

XTFlex = XtendFlex®

XTFlex/STS = XtendFlex® with STS stacked

PLANT HEIGHT:

S = Short

M/S = Medium-Short

M = Medium

M/T = Medium-Tall

T = Tall

PLANT TYPE:

I = Indeterminate

D = Determinate

CANOPY TYPE:

T = Thin or Narrow

MT = Moderately-Thin

M = Moderate or Intermediate

MB = Moderately-Bushy

B = Bushy or Full

FLOWER COLOR:

P = Purple

W = White

CHLORIDE SENSITIVITY:

EXC = Excluder

INC = Includer

PHYTOPHTHORA GENE RESISTANCE:

R = Denotes resistance to specific Race

HRps = Denotes Heterozygous resistance (partial resistance) to the specific gene noted

S = Susceptible or no specific gene resistance (unshaded white cell)

PHYTOPHTHORA ROOT ROT - RACE RESISTANCE:

Gene	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45
Rps1a	R									R			R														R					R				R									
Rps1c	R												R													R				R		R		R		R						R		R	
Rps1k	R												R													R																		R	
Rps3a	R							R			R		R			R									R				R						R					R					R
Rps6	R	R	R	R						R		R		R	R	R									R			R							R						R	R	R	R	

PHYTOPHTHORA FIELD TOLERANCE:

- Score designates reaction to Phytophthora sojae Race 25 for commercial genes Rps1a, Rps1c and Rps1k
- Score designates reaction to Phytophthora sojae
 Race 30 for commercial genes Rps3a and Rps6
- Score may also be based upon in-field observations in addition to the specific Race reaction
- Phytophthora Field Tolerance scores are important for races of Phytophthora not covered by specific resistant genes
- Refer to chart for specific Phytophthora gene resistance

HILUM COLOR:

BL = Black BR = Brown

IB = Imperfect Black

BF = Buff G = Gray

PUBESCENCE:

G = Gray

T = Tawny

LT = Light Tawny

POD COLOR:

BR = Brown

TN = Tan

SOYBEANS

CORN

SOYBEAN CYST NEMATODE:

R = Resistant

MR = Moderately Resistant

S = Susceptible

= Number Denotes Race Resistance

TECHNOLOGY:

EN = Enlist E3®

ES = Enlist E3® with the STS® herbicide tolerant trait

XT = Roundup Ready 2 Xtend®

XS = Roundup Ready 2 Xtend® and STS stack

XF = XtendFlex®

"S" at end = STS stack

DYNA-GRO SOYBEAN NUMBER SYSTEM

1st Character = S=Soybean

2nd & 3rd Character = Relative Maturity*

4th & 5th Character = Technology

6th Character = Assigned number

7th Character = Last number represents

year of release

Examples: S38EN75 = Enlist E3® soybean at 3.8 maturity & S43XF85S = XtendFlex® soybean &

STS stack at 4.3 maturity

*For group 00 products, 2nd, 3rd and 4th digits represent relative maturity

No dicamba may be used in-crop with seed with Roundup Ready® Xtend Technology, unless and until approved or specifically permitted, and no dicamba formulations are currently registered for such use in the 2025 season. Please follow https://www.roundupreadyxtend.com/pages/xtendimax-updates.aspx for status updates.







2,4-D choline

| Glyphosate

use on Enlist® crops.

| Glufosinate
| Glufosinate

FOP Herbicides

Enlist Duo® and Enlist One® herbicides with Colex-D®

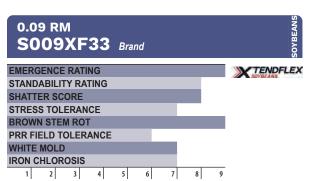
technology are the only herbicides containing 2,4-D

that are labeled for preemergence and postemergence

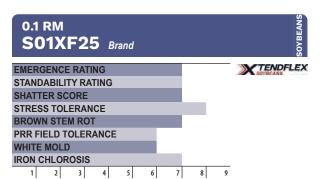
- Convenient proprietary blend of 2,4-D choline and glyphosate
- The two modes of action work together to deliver control of yield-robbing weeds and help prevent resistance
- Straight goods 2,4-D choline with additional tank-mix flexibility
- Provides additional tank-mix flexibility with glyphosate, glufosinate and other qualified tank-mix products, allowing for a customized weed control program to fit each farm



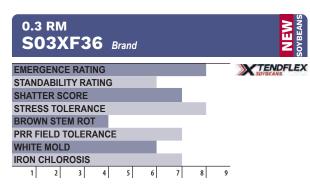
		PRODUCT	150		PRODUCT	ION					PLANT AT	TRIBUTES						
		Dyna-Gro Brand	Technology	Maturity	Emergence	Row Width	Standability	Stress Tolerance	Iron Deficiency Chlorosis	Shatter Resistance	Plant Height	Plant Type	Canopy Type	Flower Color	Hilum Color	Pubescence	Pod Color	The second second
		S006XF83	XTFlex	0.06	8	All	7	8	7	8	M/T	I	М	Р	BR	LT	BR	
₹.		S009EN24	ENLIST	0.09	8	All	7	8	6	8	М	I	MB	Р	BF	G	TN	
		S009XF33	XTFlex	0.09	9	All	8	7	7	8	M	I	MB	Р	BL	T	BR	
		S01XF25	XTFlex	0.1	7	All	7	8	7	7	M/T	I	MB	Р	BL	LT	BR	
		S03EN94	ENLIST	0.3	8	All	8	9	6	8	M/T	I	М	Р	IB	G	TN	
	NEW	S03XF36	XTFlex	0.3	8	All	6	8	7	7	M/T	I	MB	Р	BR	LT	BR	
i de la		S05XF73	XTFlex	0.5	8	All	7	8	7	8	M/T	ı	MB	Р	BR	LT	BR	
		100		10		V /				199		The state of the s						Gl



- Late group 00 XtendFlex® soybean release is ideal for productive environments in its maturity zone
- Very good tolerance for iron deficiency chlorosis and resistance for brown stem rot
- Medium height plant with good lateral branching and excellent standability
- Rps1k gene for *Phytophthora* root rot and above average *Sclerotinia* white mold tolerance



- Early group 0 XtendFlex® soybean release features improved iron deficiency chlorosis tolerance
- Rps1c gene for *Phytophthora* root rot and moderate resistance for cyst nematode
- Moderate resistance for brown stem rot and good Sclerotinia white mold tolerance
- Very good stress tolerance and maintains height moving west



- XtendFlex® soybean introduction at early group 0 maturity has great stress tolerance and western adaptation
- Rps3a gene with very good field tolerance for *Phytophthora* root rot
- Very good tolerance for iron deficiency chlorosis and resistance for cyst nematode
- Medium-tall plant height with moderate-bushy lateral branching and good standability
- Excellent ability to move south of its maturity zone



	DISEASE TOLERA	NCE													PRODUCT
No.	Soybean Cyst Nematode	SCN Source of Resistance	Phytophthora Resistance	Phytophthora Field Tolerance	Sclerotinia White Mold	Brown Stem Rot	Sudden Death Syndrome	Frogeye Leaf Spot	Stem Canker	Charcoal Rot	Cercospora Leaf Blight	Southern Root Knot Nematode	Metribuzin Tolerance	Chloride Sensitivity	Dyna-Gro Brand
	S	N/A	Rps1c	6	7	6	N/A	N/A	9	N/A	N/A	N/A	N/A	INC	S006XF83
	R3, MR14	PI88788	Rps3a	8	6	2	N/A	N/A	9	7	N/A	N/A	N/A	INC	S009EN24
	S	N/A	Rps1k	6	7	9	N/A	N/A	N/A	N/A	N/A	N/A	7	INC	S009XF33
	MR3	PI88788	Rps1c	6	6	7	4	N/A	N/A	6	N/A	2	5	INC	S01XF25
	R3, MR14	PI88788	Rps3a	8	7	2	N/A	N/A	9	7	N/A	N/A	N/A	EXC	S03EN94
	R3, MR14	PI88788	Rps3a	7	6	4	7	N/A	N/A	N/A	N/A	N/A	5	INC	S03XF36
	R3, MR14	PI88788	Rps1c	7	6	5	N/A	N/A	N/A	N/A	N/A	N/A	7	INC	S05XF73

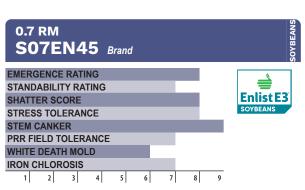
Seed Stewardship Policy

Dyna-Gro Seed is committed to providing our customers with superior genetics and the newest technology available. We believe this approach allows our customers to achieve the highest possible return on their investment. It is our responsibility as an industry to properly steward patented genetics and technology to sustain continued development of new genetics and future technologies. We must continue to reach new yield goals, through both improved genetics and new technologies, to feed a growing world population and maintain a quality food supply. We support the laws that are in place surrounding variety protection and technology patents.

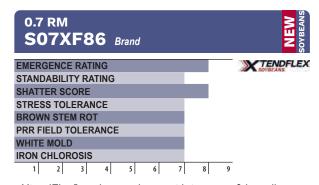
Seed containing a patented trait can only be used to plant a single commercial crop. It is unlawful to save and replant seed from that crop. Examples of seed containing a patented trait include but are not limited to Roundup Ready 2 Yield® soybeans, Roundup Ready® spring canola, Roundup Ready® winter canola, and TruFlex® canola with Roundup Ready® Technology. Additional information and limitations on the use of these products are provided in the Technology Stewardship Agreement and the Bayer Technology Use Guide: tug.bayer.com. U.S. patents for Bayer technologies can be found at the following webpage:cs.bayerpatents.bayer.com. Roundup Ready®, Roundup® and TruFlex® are trademarks of Bayer Group.



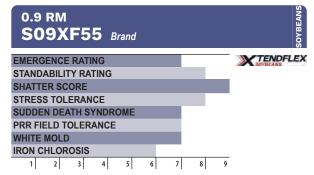
-		PRODUCT	1700		PRODUCT	ION			18 / Y - F - F - F - F - F - F - F - F - F -		PLANT ATT	RIBUTES			DIE TANCES	all and the		
		Dyna-Gro Brand	Technology	Maturity	Emergence	Row Width	Standability	Stress Tolerance	Iron Deficiency Chlorosis	Shatter Resistance	Plant Height	Plant Type	Canopy Type	Flower Color	Hilum Color	Pubescence	Pod Color	The state of the s
		S07EN45	ENLIST	0.7	8	All	7	8	7	8	М	I	М	Р	IB	G	TN	
w	NEW	S07XF86	XTFlex	0.7	8	All	7	7	7	8	M/T	I	MB	Р	BL	LT	BR	
4		S09XF55	XTFlex	0.9	7	All	8	8	6	9	M/T	I	MT	Р	BL	LT	TN	
	NEW	S09EN26	ENLIST	0.9	7	All	8	7	8	8	М	I	MB	Р	BR	LT	BR	
4		S12EN72	ENLIST	1.2	8	All	7	8	7	8	M/T	I	М	Р	IB	G	TN	
•	NEW	S13EN56	ENLIST	1.3	8	All	7	8	7	8	M/T		М	Р	IB	G	TN	
libe:		S14XF43	XTFlex	1.4	8	All	7	8	6	8	M/T	I	М	Р	BR	LT	BR	
		S16EN42	ENLIST	1.6	8	All	7	7	7	8	М	Ī	MB	Р	BF	G	TN	



- Enlist E3[®] soybean introduction features the Peking source of resistance for cyst nematode
- Rps1c gene for *Phytophthora* root rot and good tolerance for *Sclerotinia* white mold
- Above average tolerance for iron deficiency chlorosis
- Medium plant height, moderate lateral branching and good standability



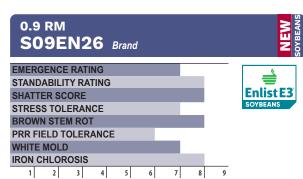
- XtendFlex® soybean release at late group 0 is well adapted across most environments and soil types
- Rps1c gene for *Phytophthora* root rot and good tolerance for *Sclerotinia* white mold
- Cyst nematode resistant and very good tolerance for iron deficiency chlorosis
- Medium-tall plant height, moderate-bushy plant type and very good standability
- Best performance when kept within to north of its maturity zone of adaptation



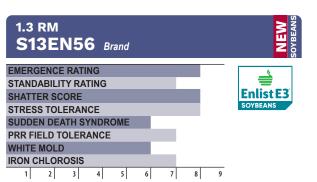
- XtendFlex® soybean introduction featuring nice agronomics and excellent yield potential for maturity
- Rps1c gene for *Phytophthora* root rot and moderate resistance for brown stem rot
- Very good tolerance scores for sudden death syndrome and *Sclerotinia* white mold
- Medium-tall plant height with moderate upright branching and excellent standability
- Consistent performance across environments and ability to move south of its maturity zone



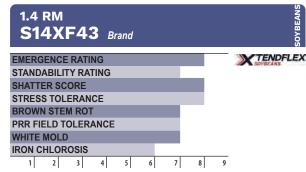
DISEASE TOLERANC	E		100				- come are							PRODUCT
Soybean Cyst Nematode	SCN Source of Resistance	Phytophthora Resistance	Phytophthora Field Tolerance	Sclerotinia White Mold	Brown Stem Rot	Sudden Death Syndrome	Frogeye Leaf Spot	Stem Canker	Charcoal Rot	Cercospora Leaf Blight	Southern Root Knot Nematode	Metribuzin Tolerance	Chloride Sensitivity	Dyna-Gro Brand
R1, R3	Peking	Rps1c	7	6	2	7	N/A	9	6	N/A	2	7	INC	S07EN45
R3	PI88788	Rps1c	7	7	7	5	N/A	9	N/A	N/A	N/A	5	INC	S07XF86
R3, MR14	PI88788	Rps1c	7	7	7	7	N/A	9	6	N/A	2	7	INC	S09XF55
R3	PI88788	Rps1k, 3a	6	7	8	6	N/A	9	N/A	6	N/A	7	INC	S09EN26
R3, MR14	PI88788	Rps1c	7	6	N/A	7	N/A	9	7	N/A	N/A	7	EXC	S12EN72
R3	PI88788	Rps1c, 3a	7	6	3	6	N/A	9	7	N/A	N/A	N/A	INC	S13EN56
MR3, MR14	PI88788	Rps1c, 3a	7	7	7	7	N/A	9	7	N/A	N/A	8	INC	S14XF43
R3, MR14	PI88788	Rps3a	8	6	9	7	N/A	9	6	N/A	N/A	5	INC	S16EN42



- Enlist E3® soybean introduction features best in class tolerance for iron deficiency chlorosis
- Rps1k and 3a genes for *Phytophthora* root rot with moderate resistance for brown stem rot
- Very good tolerance for *Sclerotinia* white mold and resistance for cyst nematode
- Medium plant height with good lateral branching and excellent standability

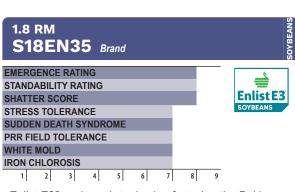


- Early-group I Enlist E3® soybean release is a yield performance leader and agronomic upgrade
- Medium-tall plant height with moderate lateral branching and very good standability
- Rps1c and Rps3a genes with very good field tolerance for *Phytophthora* root rot
- Very good iron deficiency chlorosis tolerance and resistance for cyst nematode
- Solid tolerance scores for *Sclerotinia* white mold and sudden death syndrome

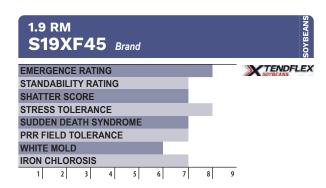


- XtendFlex® soybean release features sound agronomics and a proven genetic background
- Rps1c and Rps3a genes with very good field tolerance for *Phytophthora* root rot
- Strong tolerance scores for *Sclerotinia* white mold and sudden death syndrome
- Medium-tall plant height with moderate lateral branching and good standability
- Moderate resistance for brown stem rot and good

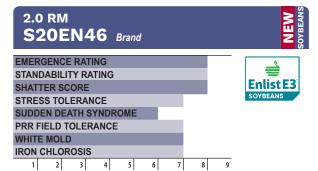
		PRODUCT	700		PRODUCTI	ON			** ** ** ** ** ** ** ** ** ** ** ** **		PLANT ATT	RIBUTES			OR REPORT			
		Dyna-Gro Brand	Technology	Maturity	Emergence	Row Width	Standability	Stress Tolerance	Iron Deficiency Chlorosis	Shatter Resistance	Plant Height	Plant Type	Canopy Type	Flower Color	Hilum Color	Pubescence	Pod Color	Manufacture of the second
		S17XF02	XTFlex	1.7	8	All	8	7	7	8	M/T	1	М	Р	BR	LT	BR	
w		S18EN35	ENLIST	1.8	8	All	8	7	7	8	М	I	М	Р	BF	G	TN	
ч		S19XF45	XTFlex	1.9	8	All	7	8	7	7	M/T	1	М	Р	BL	LT	TN	
		S20EN84	ENLIST	2.0	9	All	7	8	7	8	M/T	I	М	Р	BR	LT	TN	
4	NEW	S20EN46	ENLIST	2.0	8	All	8	7	7	8	M/T	I	М	Р	IB	G	TN	
•		S21EN81	ENLIST	2.1	8	All	7	8	6	8	М	I	М	Р	IB	G	BR	
Ob.		S22XF95	XTFlex	2.2	7	All	6	8	7	7	M/T	I	MB	W	BL	LT	BR	
		S23EN05	ENLIST	2.3	7	All	7	8	6	8	M/T	ı	MB	Р	BL	LT	TN	



- Enlist E3® soybean introduction featuring the Peking source of resistance for cyst nematode
- Very good tolerance for iron deficiency chlorosis and sudden death syndrome
- Rps1k gene for *Phytophthora* root rot and strong Sclerotinia white mold tolerance
- Medium plant height with moderate lateral branching and strong standability scores



- XtendFlex® soybean release features broad adaptation across environments west to east
- Very good tolerance scores for sudden death syndrome, *Phytophthora* root rot and charcoal rot
- Medium-tall plant height, moderate lateral branching and very good standability
- · Resistance for brown stem rot and stem canker
- Strong stress tolerance and ability to move north or south of its maturity zone



- Enlist E3® soybean features the Peking source of resistance for soybean cyst nematode
- Excellent tolerance for *Sclerotinia* white mold with good iron deficiency chlorosis tolerance
- Medium tall plant height, moderate canopy type and very strong standability scores
- Rps3a gene for *Phytophthora* root rot and resistance for brown stem rot



	DISEASE TOLERANG	CE													PRODUCT
The state of the s	Soybean Cyst Nematode	SCN Source of Resistance	Phytophthora Resistance	Phytophthora Field Tolerance	Sclerotinia White Mold	Brown Stem Rot	Sudden Death Syndrome	Frogeye Leaf Spot	Stem Canker	Charcoal Rot	Cercospora Leaf Blight	Southern Root Knot Nematode	Metribuzin Tolerance	Chloride Sensitivity	Dyna-Gro Brand
	R3	PI88788	Rps1c	7	7	8	7	N/A	9	6	N/A	N/A	8	INC	S17XF02
	R1, R3, MR5	Peking	Rps1k	7	7	3	7	N/A	9	6	N/A	2	7	INC	S18EN35
	R3	PI88788	S	7	6	9	7	N/A	9	7	N/A	2	7	INC	S19XF45
	R1, R3, R5	Peking	Rps1k	7	7	7	6	7	9	5	6	N/A	7	INC	S20EN84
	MR1, R3	Peking	Rps3a	7	7	9	6	N/A	9	7	N/A	2	N/A	INC	S20EN46
	R3, MR14	PI88788	Rps1k	7	7	9	6	N/A	9	5	N/A	N/A	7	N/A	S21EN81
	MR3	PI88788	Rps1c	6	7	5	8	5	9	7	N/A	2	8	INC	S22XF95
	R3	PI88788	Rps1c, 3a	7	6	6	7	6	9	N/A	6	2	5	INC	S23EN05

2.3 RM S23EN05 Brand **EMERGENCE RATING** STANDABILITY RATING Enlist E3 SHATTER SCORE STRESS TOLERANCE SUDDEN DEATH SYNDROME PRR FIELD TOLERANCE WHITE MOLD **IRON CHLOROSIS** 4 5 6 7 8 9 1 2 3

- Enlist E3[®] soybean release features improved agronomics with broad adaptation east to west
- Stacked Rps1c & Rps3a genes for Phytophthora root rot and very good sudden death syndrome tolerance
- · Medium-tall plant height with very good lateral branching and good standability
- Resistance for cyst nematode with average tolerance for Sclerotinia white mold

Think Before You Bin Run

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

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

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

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

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

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

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

High Value of New Branded Seed

Latest Technology

// High-yielding soybean technologies

// Better variety options

// Leading seed treatment options

Customer Service

// Dealer agronomic support before and after the sale

// Replant policy support // Convenient packaging and delivery

Reliable Germination and Quality

// Rigorously tested and meets

U.S. Federal Seed Act requirements // Free of seed-borne diseases

// Properly stored and conditioned

For a list of Bayer's trait patents go to cs.bayerpatents.bayer.com

For questions regarding seed intellectual property, or to anonymously report a saved seed tip, you can contact Bayer in the following ways:

- 2. Send a letter: Trait Stewardship, 622 Emerson Road, Suite 150, Creve Coeur, MO 63141 3. Submit a contact request at cropscience.bayer.us/contact or scan the QR code





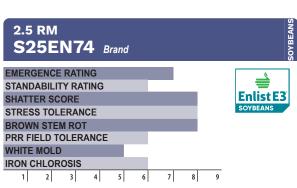


Bayer is a member of Excellence Through Stewardship® (ETS). Bayer products are commercialized in accordance with ETS Product Launch Stewardship Guidance, and in compliance with Bayer Policy for Commercialization of Biotechnology-Derived Plant Products in Commodity Corps. Commercialized products have been approved for import into key export markets with functioning regulator systems. Any corp 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 or ational 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 Infirm their buying position for this product. Excellence Through Stewardship* is a registered trademark of Excellence Through Stewardship.

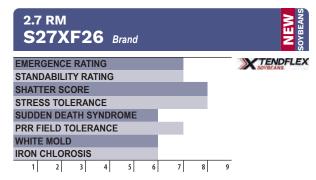
Name the supply process on its process. Lectorist enough processings "a variety or "a register section to a Centerist enough processings" in a MANYSEAM AND PROFESTION ESTATE OF MEMORY IN a selection of feed and sets also to use a process for its or up to write from founding freely. Thereof "upbeans WIFALL Immediations of cantals and priphorate are approved for its or up to write from darking freely a Thereof "upbeans WIFALL Immediation of cantals and priphorate are approved for its or up to write from darking freely a Thereof "upbeans with Any Immediation of cantals applicate and cantals applicate and a second of the second Remode packly freelondegy cortain genes that confer beliance to glynoise Remode Deadly (Februalegy cortain genes that confer beliance to glynoise Remode) Packly (Februalegy cortain genes that confer beliance to glynoise Remode) Packly (Februalegy cortain genes that confer beliance to glynoise and contain. Products with Xiteraffier Exchanlegy cortain genes that confer beliance to glynoise and contain. Products with Xiteraffier Exchanlegy cortain genes that confer beliance to glynoise and contain. Glynoise and contain a gene that confer beliance to glynoise descriptions and the contains a fill only on the are not beliance to glydosate and to contain a fill only on the contains a fill of the contains a fill of the contains a fill only on the contains a fill of the contains a fill of the contains a fill of the contains a fill only on the contains a fill of the contains

Contact your Baver retailer, refer to the Baver Technology Use Guide, or call the technical support line at 1-888-283-6847 for recommended Roundup Ready* Xtend Crop System wee Bayer, Bayer Cross, Roundup Ready 2. Xiend®, Roundup Ready 2 Yield®, Roundup Ready® and XiendFlex® are registered trademarks of Bayer Group. LibertyLink® and the Water Displet Design® is a todemark of RASF Coronation. ©2022 Bayer Group. All rights reserved.

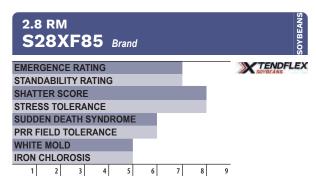
5		PRODUCT	***		PRODUCT	ION	Mark 1917				PLANT AT	TRIBUTES						
		Dyna-Gro Brand	Technology	Maturity	Emergence	Row Width	Standability	Stress Tolerance	Iron Deficiency Chlorosis	Shatter Resistance	Plant Height	Plant Type	Canopy Type	Flower Color	Hilum Color	Pubescence	Pod Color	Marin Ma
1		S25EN74	ENLIST	2.5	7	All	6	8	6	8	M/T	I	MB	Р	BL	LT	TN	
r		S25XF64	XTFlex	2.5	8	All	7	8	6	8	M/T	I	М	Р	IB	G	BR	
8		S26EN53	ENLIST	2.6	8	All	7	8	7	8	M/T	1	М	Р	BF	G	TN	
ч	NEW	S27XF26	XTFlex	2.7	7	All	7	8	6	8	M	1	MB	W	BL	LT	BR	
4		S28XF85	XTFlex	2.8	7	All	7	8	5	8	M/T	I	MB	Р	IB	G	BR	
•		S29ES45	ENLIST/STS	2.9	8	All	7	8	6	8	M/T	I	MB	Р	IB	G	BR	
		S31EN14	ENLIST	3.1	7	All	7	7	7	8	M	I	MB	Р	BF	G	TN	
N		S31XF05	XTFlex	3.1	8	All	8	7	6	8	M	1	М	Р	BF	G	BR	
	NEW	S31EN96	ENLIST	3.1	8	All	8	8	5	8	M/T	I	М	Р	BF	G	BR	



- Enlist E3® soybean introduction features the Peking source of resistance for cyst nematode
- Medium-tall plant height, very good lateral branching with good standability
- Very good tolerance for sudden death syndrome and resistance for stem canker
- Rps1k gene for *Phytophthora* root rot and moderate resistance for brown stem rot
- Broad adaptation for all soil types east to west



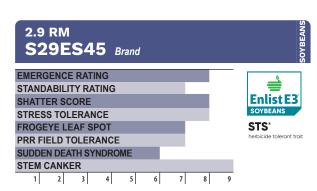
- Mid-group II XtendFlex® soybean introduction features great western adaptation
- Rps1c gene for *Phytophthora* root rot with above average iron deficiency chlorosis tolerance
- Medium-plus plant height, moderate-bushy canopy type with very good standability
- Above average tolerance for *Sclerotinia* white mold and sudden death syndrome



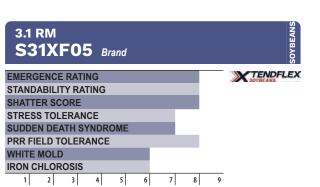
- Late group II XtendFlex® soybean introduction features broad adaptability east to west
- Resistance for brown stem rot with average field tolerance for *Phytophthora* root rot
- Medium-tall plant height with good lateral branching and very good standability
- Good tolerance for sudden death syndrome and resistance for stem canker
- Avoid placement in fields with high pH levels or history of iron deficiency chlorosis



DISEASE TOLER	ANCE						AV A							PRODUCT
Soybean Cyst Nematode	SCN Source of Resistance	Phytophthora Resistance	Phytophthora Field Tolerance	Sclerotinia White Mold	Brown Stem Rot	Sudden Death Syndrome	Frogeye Leaf Spot	Stem Canker	Charcoal Rot	Cercospora Leaf Blight	Southern Root Knot Nematode	Metribuzin Tolerance	Chloride Sensitivity	Dyna-Gro Brand
R1, R3, R5	Peking	Rps1k	6	5	8	7	7	9	N/A	N/A	N/A	7	INC	S25EN74
R3, MR14	PI88788	Rps1c	7	6	9	6	N/A	9	7	N/A	N/A	N/A	INC	S25XF64
R3, MR14	PI88788	Rps1c	7	7	9	7	6	9	7	N/A	N/A	N/A	INC	S26EN53
MR3	PI88788	Rps1c	7	6	6	6	N/A	8	7	N/A	N/A	8	INC	S27XF26
R3	PI88788	S	6	5	9	6	N/A	9	N/A	N/A	2	8	INC	S28XF85
R3, MR14	PI88788	S	7	5	3	6	7	9	7	N/A	2	7	INC	S29ES45
R3, MR14	PI88788	S	7	6	9	6	6	9	6	6	N/A	N/A	INC	S31EN14
R3	PI88788	Rps1c, 3a	8	6	9	7	N/A	9	7	N/A	2	6	INC	S31XF05
R3	PI88788	Rps1c	8	5	3	6	7	9	7	N/A	N/A	6	INC	S31EN96



- Enlist E3® soybean and STS® introduction features parentage of Dyna-Gro's S35EN99
- Strong field tolerance for *Phytophthora* root rot and resistance for stem canker
- Medium-tall plant height with good lateral branching and very good standability
- Good tolerance scores for sudden death syndrome, frogeye leaf spot and charcoal rot
- Maintains height across soil types for yield consistency across environments



- Early group III XtendFlex® soybean introduction features great agronomics and top performance
- Rps1c & 3a genes with excellent field tolerance for *Phytophthora* root rot
- Very good sudden death syndrome tolerance and resistance for brown stem rot
- Medium-plus plant height with moderate lateral branching and very good standability

S31EN96 Brand EMERGENCE RATING STANDABILITY RATING SHATTER SCORE STRESS TOLERANCE SUDDEN DEATH SYNDROME PRR FIELD TOLERANCE WHITE MOLD STEM CANKER 1 2 3 4 5 6 7 8 9

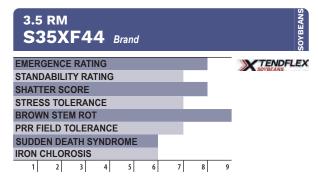
- Early-group III Enlist E3® soybean introduction features broad adaptability across environments east to west
- Rps1c gene with excellent field tolerance for *Phytophthora* root rot
- Medium-tall plant height with moderate lateral branching and excellent standability
- Above average tolerance scores for sudden death syndrome and charcoal rot

-		PRODUCT	W		PRODUCT	ION					PLANT ATT	TRIBUTES						
		Dyna-Gro Brand	Technology	Maturity	Emergence	Row Width	Standability	Stress Tolerance	Iron Deficiency Chlorosis	Shatter Resistance	Plant Height	Plant Type	Canopy Type	Flower Color	Hilum Color	Pubescence	Pod Color	March Color Color Color
		S33XF62	XTFlex	3.3	8	All	8	7	6	8	M	I	M	Р	IB	G	TN	
w.	NEW	S33ES76	ENLIST/STS	3.3	8	All	7	8	6	8	M/T	I	MB	Р	BR	LT	BR	
4		S35XF44	XTFlex	3.5	8	All	7	7	6	8	M	I	MB	Р	BL	LT	BR	
	NEW	S35ES56	ENLIST/STS	3.5	8	All	9	7	6	8	M	I	М	W	BL	LT	BR	
4	NEW	S36EN36	ENLIST	3.6	8	All	7	8	5	8	M/T	I	MB	Р	BL	LT	BR	
ø		S37ES52	ENLIST/STS	3.7	7	All	7	8	6	8	M	I	MB	Р	BL	LT	BR	
bi		S37XF15	XTFlex	3.7	8	All	7	8	5	7	M/T	ı	MB	Р	IB	G	BR	
		S38EN75	ENLIST	3.8	8	All	8	8	6	8	М	I	М	W	BL	LT	BR	C ATT ATT



3.3RM S33ES76 Brand EMERGENCE RATING STANDABILITY RATING SHATTER SCORE STRESS TOLERANCE SUDDEN DEATH SYNDROME PRR FIELD TOLERANCE WHITE MOLD STEM CANKER 1 2 3 4 5 6 7 8 9

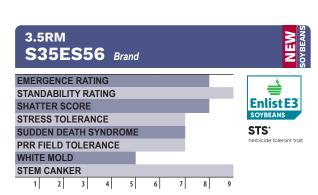
- Mid-group III Enlist E3® soybean and STS® release with superior yield performance and broad adaptability east to west
- Medium-plus plant height, moderately-bushy canopy type and very good standability
- Heterozygous for the Rps1c gene for *Phytophthora* root rot with very good field tolerance
- Above average tolerance for sudden death syndrome and *Sclerotinia* white mold



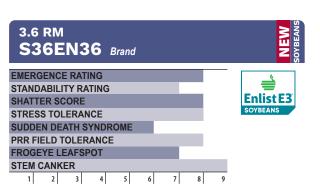
- XtendFlex® soybean introduction features great fit for productive acres
- Rps3a gene for *Phytophthora* root rot and resistance for brown stem rot
- Excluder for chloride salts with average tolerance for sudden death syndrome
- Medium-plus plant height with very good lateral branching and standability scores
- Planned fungicide program may be warranted for frogeye leaf spot control



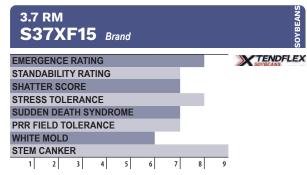
DISEASE TOLERA	NCE		7,00					e chi						PRODUCT
Soybean Cyst Nematode	SCN Source of Resistance	Phytophthora Resistance	Phytophthora Field Tolerance	Sclerotinia White Mold	Brown Stem Rot	Sudden Death Syndrome	Frogeye Leaf Spot	Stem Canker	Charcoal Rot	Cercospora Leaf Blight	Southern Root Knot Nematode	Metribuzin Tolerance	Chloride Sensitivity	Dyna-Gro Brand
R3, MR14	PI88788	S	6	6	9	7	N/A	9	N/A	N/A	N/A	6	INC	S33XF62
R3	PI88788	HRps1c	7	7	3	6	N/A	9	7	N/A	N/A	7	INC	S33ES76
R3, MR14	PI88788	Rps3a	7	5	9	6	4	9	N/A	N/A	2	5	EXC	S35XF44
R3	PI88788	Rps1c	7	5	3	7	N/A	9	6	N/A	2	7	INC	S35ES56
R3, MR14	PI88788	Rps1k	8	N/A	3	6	7	9	7	N/A	2	7	INC	S36EN36
R3, MR14	PI88788	Rps1k	7	6	9	7	6	9	7	N/A	N/A	7	INC	S37ES52
R3	PI88788	Rps1c	7	6	N/A	7	5	9	N/A	N/A	2	5	INC	S37XF15
R3	PI88788	Rps1k	8	N/A	3	7	7	9	7	N/A	2	7	INC	S38EN75



- Mid-group III Enlist E3® soybean release with STS® with exceptional performance in productive environments
- Rps1c gene with good field tolerance for *Phytophthora* root rot and resistance for cyst nematode
- Resistance for stem canker and above average tolerance for sudden death syndrome
- Medium compact plant height with moderate lateral branching and excellent standability scores

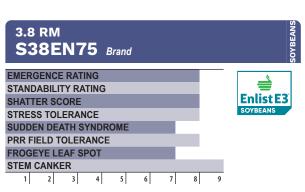


- Mid-group III Enlist E3® soybean introduction is ideal for eastern timber soil types
- Rps1k gene with strong field tolerance scores for *Phytophthora* root rot
- Medium-tall plant height with good lateral branching and good standability scores for height
- Good tolerance for sudden death syndrome and very good frogeye leaf spot tolerance
- Limited observations indicated good ability to handle somewhat poorly drained conditions

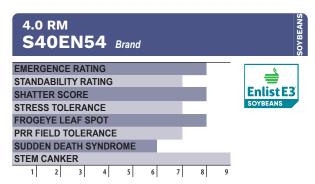


- XtendFlex® soybean introduction features the next level of performance for its maturity
- Resistance for stem canker and very good sudden death syndrome tolerance
- Medium-tall plant height with good lateral branching and very good standability
- Rps1c gene with very good field tolerance for *Phytophthora* root rot
- Very good stress tolerance and yield stability across environments

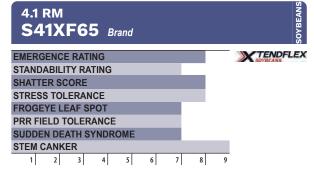
-	PRODUCT	1,00		PRODUCT	ION					PLANT AT	TRIBUTES						
	Dyna-Gro Brand	Technology	Maturity	Emergence	Row Width	Standability	Stress Tolerance	Iron Deficiency Chlorosis	Shatter Resistance	Plant Height	Plant Type	Canopy Type	Flower Color	Hilum Color	Pubescence	Pod Color	
	S38XF22S	XTFlex/STS	3.8	8	All	6	8	N/A	9	M/T	1	В	Р	BL	LT	BR	
w.	S40EN54	ENLIST	4.0	8	All	7	7	N/A	8	M/T	I	М	Р	BL	LT	TN	
4	S41EN72	ENLIST	4.1	9	All	7	9	N/A	8	M/T	I	MB	W	BR	LT	BR	
	S41XF65	XTFlex	4.1	8	All	7	8	N/A	8	M/T	I	MB	Р	BL	LT	BR	
4	S43XF85S	XTFlex/STS	4.3	8	All	7	8	5	8	M/T	I	М	W	BL	LT	BR	
ø	S43XS70	RR2XT/STS	4.3	9	All	7	8	N/A	8	M/T	I	М	Р	BL	LT	BR	
(b)	S45EN25	ENLIST	4.5	7	All	7	7	N/A	8	М	I	MB	W	BL	LT	BR	
	S45ES10	ENLIST/STS	4.5	7	All	7	8	6	8	M/T	I	MB	W	BR	T	BR	Alconomic



- Enlist E3® soybean introduction featuring the proven parentage of Dyna-Gro's S2872N
- Very good tolerance scores for frogeye leaf spot and sudden death syndrome
- Medium-plus plant height with moderate lateral branching and strong standability scores
- Rps1k gene for *Phytophthora* root rot and resistance for stem canker
- Strong tolerance for stress with excellent yield stability across environments



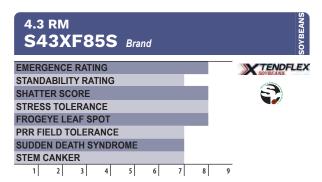
- Enlist E3® soybean introduction featuring a new genetic background with strong agronomics
- Medium-tall plant height with moderate upright branching and very good standability
- Very good tolerance for frogeye leaf spot and average sudden death syndrome tolerance
- Rps1c gene for Phytophthora root rot and resistance for stem canker
- Well adapted for all yield environments and soil types east to west



- Early group IV XtendFlex® soybean introduction features excellent yield stability across environments
- Very good tolerance scores for sudden death syndrome and frogeye leaf spot
- Medium-tall plant height with very good lateral branching and good standability
- Rps1c gene and very good field tolerance for *Phytophthora* root rot



DISEASE TOLERANC	E		7,00											PRODUCT
Soybean Cyst Nematode	SCN Source of Resistance	Phytophthora Resistance	Phytophthora Field Tolerance	Sclerotinia White Mold	Brown Stem Rot	Sudden Death Syndrome	Frogeye Leaf Spot	Stem Canker	Charcoal Rot	Cercospora Leaf Blight	Southern Root Knot Nematode	Metribuzin Tolerance	Chloride Sensitivity	Dyna-Gro Brand
MR3	PI88788	Rps1a	7	N/A	N/A	7	7	9	N/A	7	2	7	INC	S38XF22S
R3	PI88788	Rps1c	7	N/A	N/A	6	8	9	N/A	7	2	6	INC	S40EN54
R3, MR14	PI88788	S	6	N/A	N/A	6	7	9	N/A	6	2	6	INC	S41EN72
MR3	PI88788	Rps1c	7	N/A	N/A	7	7	9	7	6	2	5	INC	S41XF65
MR3, MR14	PI88788	S	7	N/A	N/A	7	8	7	6	N/A	4	6	INC	S43XF85S
R3, MR14	PI88788	Rps1c	7	N/A	N/A	7	7	9	N/A	N/A	2	5	EXC	S43XS70
R3	PI88788	Rps1k	7	N/A	N/A	5	7	9	N/A	6	2	7	EXC	S45EN25
R3, MR14	PI88788	S	7	N/A	N/A	6	7	9	N/A	N/A	2	7	EXC	S45ES10



- XtendFlex® soybean introduction that excels across high yield environments
- Strong frogeye leaf spot tolerance and very good field tolerance for *Phytophthora* root rot
- Medium-tall plant height with moderate lateral branching and good standability
- Very good tolerance for sudden death syndrome
- Broad adaptation for the lower Midwest with ability to move south into the Delta region

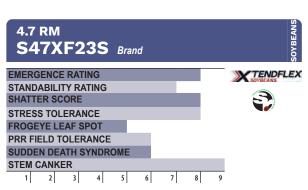
4.5 RM S45EN25 Brand EMERGENCE RATING STANDABILITY RATING SHATTER SCORE STRESS TOLERANCE FROGEYE LEAF SPOT PRR FIELD TOLERANCE SUDDEN DEATH SYNDROME STEM CANKER 1 2 3 4 5 6 7 8 9

- Enlist E3® soybean introduction features excellent top end yield performance
- Rps1k gene with very good field tolerance for *Phytophthora* root rot
- Strong tolerance score for frogeye leaf spot and excluder for chloride salts
- Medium plant height with very good lateral branching and nice eye appeal
- Consider Saltro® seed treatment for added protection for sudden death syndrome

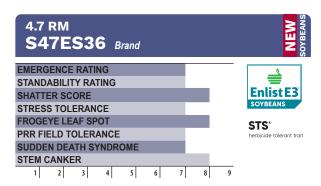
A.6 RM S46XF26S Brand EMERGENCE RATING STANDABILITY RATING SHATTER SCORE STRESS TOLERANCE FROGEYE LEAF SPOT PRR FIELD TOLERANCE SUDDEN DEATH SYNDROME STEM CANKER 1 2 3 4 5 6 7 8 9

- XtendFlex® soybean and STS® release that features exceptional performance for the Delta on heavier soil types
- Rps1c gene for *Phytophthora* root rot and good tolerance for sudden death syndrome
- · Chloride salt excluder and resistance for stem canker
- Taller plant height with a bushy plant type that is ideal for wider row widths
- A planned fungicide program may be warranted for frogeye leaf spot control

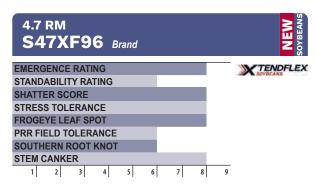
5		PRODUCT	700		PRODUCT	ION	MM (A) 2				PLANT ATT	RIBUTES						
		Dyna-Gro Brand	Technology	Maturity	Emergence	Row Width	Standability	Stress Tolerance	Iron Deficiency Chlorosis	Shatter Resistance	Plant Height	Plant Type	Canopy Type	Flower Color	Hilum Color	Pubescence	Pod Color	The Control of the Co
	NEW	S46XF26S	XTFlex/STS	4.6	8	All	6	8	4	8	Т	I	В	W	BL	LT	BR	
		S47XF23S	XTFlex/STS	4.7	8	All	7	8	6	8	M/T	- 1	MB	Р	BL	LT	TN	
•	NEW	S47ES36	ENLIST/STS	4.7	7	All	7	7	5	8	M/T	I	MB	Р	IB	G	TN	
3	NEW	S47XF96	XTFlex	4.7	8	All	6	8	N/A	8	Т	- 1	MB	W	BL	Т	TN	
4		S48EN73	ENLIST	4.8	8	All	7	7	N/A	8	M/T	I	В	W	BF	G	BR	
•		S48XF35	XTFlex	4.8	7	All	7	8	7	7	M/T	- 1	MB	Р	BL	LT	BR	
bi	NEW	S48ES56	ENLIST/STS	4.8	8	All	6	8	N/A	8	M/T	- 1	MB	Р	BL	LT	BR	
N		S49XF43S	XTFlex/STS	4.9	7	All	7	8	4	8	M/T	- 1	MB	W	BF	G	TN	
		S51EN62	ENLIST	5.1	8	All	7	7	N/A	8	M		MB	Р	IB	G	TN	



- Exciting XtendFlex® soybean release features the excluder gene for chloride salts and adaptability for all soil types
- Medium-tall plant height with good lateral branching and very good standability
- Rps1c gene for *Phytophthora* root rot and good tolerance for sudden death syndrome
- Resistance for stem canker and the STS[®] trait for sulfonylurea herbicide tolerance
- Fungicide programs may be warranted for frogeye leaf spot control



- Enlist E3® soybean with STS® release features a unique set of defensive agronomics
- Moderate resistance for southern root knot nematode and excluder for chloride salts
- Rps1c and 3a genes for Phytophthora root rot with resistance for stem canker
- Medium-tall plant height, very good lateral branching and solid standability scores
- Strong tolerance for sudden death syndrome and frogeye leaf spot



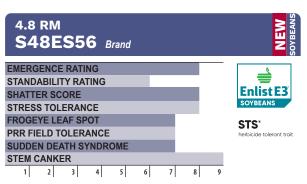
- Late group IV XtendFlex® soybean introduction has very good adaptation for heavier clays and stress environments
- Very good tolerance for frogeye leaf spot and resistance for stem canker
- Tall tawny-tan plant with moderately-bushy plant type and average standability scores
- Moderate resistance for southern root knot nematode
- Avoid placement on productive loam soil types due to lodging concerns



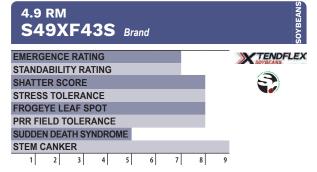
	DISEASE TOLE	ERANCE		7,00						PRODUCT					
No.	Soybean Cyst Nematode	SCN Source of Resistance	Phytophthora Resistance	Phytophthora Field Tolerance	Sclerotinia White Mold	Brown Stem Rot	Sudden Death Syndrome	Frogeye Leaf Spot	Stem Canker	Charcoal Rot	Cercospora Leaf Blight	Southern Root Knot Nematode	Metribuzin Tolerance	Chloride Sensitivity	Dyna-Gro Brand
	MR3	PI88788	Rps1c	5	N/A	N/A	7	4	9	N/A	N/A	4	5	EXC	S46XF26S
	R3	PI88788	Rps1c	6	N/A	N/A	6	5	9	N/A	N/A	2	7	EXC	S47XF23S
	MR3	PI88788	Rps1c,3a	7	N/A	N/A	7	8	8	6	N/A	7	8	EXC	S47ES36
	S	N/A	S	6	N/A	N/A	N/A	8	8	N/A	N/A	6	7	INC	S47XF96
	R3	PI88788	S	6	N/A	N/A	6	6	9	N/A	7	2	N/A	INC	S48EN73
	MR3	PI88788	Rps1c	7	N/A	N/A	6	7	9	7	N/A	3	7	INC	S48XF35
	MR3	PI88788	Rps1a	7	N/A	N/A	7	7	9	N/A	7	2	7	INC	S48ES56
	MR3	PI88788	Rps1k	8	N/A	N/A	5	8	9	7	N/A	3	8	INC	S49XF43S
	S	N/A	Rps1k	7	N/A	N/A	7	7	9	N/A	6	2	7	EXC	S51EN62

4.8 RM S48XF35 Brand EMERGENCE RATING STANDABILITY RATING SHATTER SCORE STRESS TOLERANCE FROGEYE LEAF SPOT PRR FIELD TOLERANCE SUDDEN DEATH SYNDROME STEM CANKER 1 2 3 4 5 6 7 8 9

- XtendFlex® soybean introduction features the proven genetic background of S52XT91
- Medium-tall plant height with very good lateral branching allows use in any row width
- Rps1c gene for *Phytophthora* root rot and very good tolerance for frogeye leaf spot
- Excellent choice for mixed to heavier soil types with ability to handle poorly drained soils
- Very well adapted across all environments, dryland or irrigated

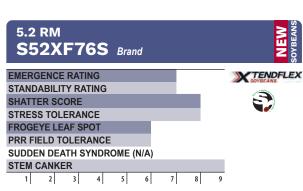


- Late group IV Enlist E3® soybean with STS® release features broad adaptability across environments
- Very good tolerance for frogeye leaf spot and resistance for stem canker
- Medium-tall plant height with very good lateral branching and good standability for height
- Strong tolerance scores for sudden death syndrome and Phytophthora root rot

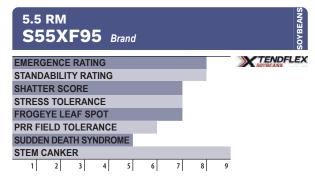


- XtendFlex® soybean release that is the new yield standard for performance at late group IV maturity
- Excellent tolerance for frogeye leaf spot and resistance for stem canker
- Medium-tall plant height with good lateral branching and above average standability
- Rps1k gene with excellent field tolerance for Phytophthora root rot
- Consider Saltro® seed treatment for added protection for sudden death syndrome

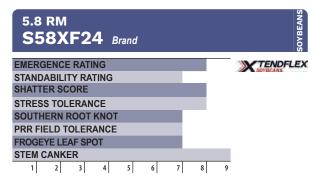
			100											MICTAL #13	C 0 197 G C	ALEXAN ST	3	THE REAL PROPERTY.
٠,		PRODUCT			PRODUCT	ION					PLANT ATT	RIBUTES						
		Dyna-Gro Brand	Technology	Maturity	Emergence	Row Width	Standability	Stress Tolerance	Iron Deficiency Chlorosis	Shatter Resistance	Plant Height	Plant Type	Canopy Type	Flower Color	Hilum Color	Pubescence	Pod Color	The state of the s
1	NEW	S52XF76S	XTFlex/STS	5.2	7	All	7	8	4	8	M/T	I	MB	Р	BL	LT	TN	
ĸ.		S55XF95	XTFlex	5.5	8	All	8	7	N/A	7	M/S	D	MB	W	BL	Т	TN	
4		S58XF24	XTFlex	5.8	8	All	7	8	N/A	8	M	D	MB	W	BL	T	TN	
		S62XT09	RR2XT	6.2	7	All	8	8	N/A	8	M	D	М	Р	BL	Т	TN	
4		S63EN74	ENLIST	6.3	8	All	7	8	4	8	M/T	D	MB	W	BF	G	TN	
•	NEW	S63XF56	XTFlex	6.3	8	All	6	7	7	8	M	D	MB	Р	BL	Т	TN	
Ne		S67XF34S	XTFlex/STS	6.7	8	All	7	7	6	8	M/T	D	MB	Р	BL	Т	TN	
	NEW	S68XF16S	XTFlex/STS	6.8	8	All	6	9	N/A	8	Т	D	В	Р	BL	Т	BR	
		S71XF93	XTFLEX	7.1	8	All	7	8	N/A	8	M/T	D	MB	Р	BL	T	TN	



- Indeterminate early group V XtendFlex® soybean & STS® with broad adaptability across environments
- Resistance for stem canker with the Rps1c gene for *Phytophthora* root rot
- Chloride salt excluder with resistance for cyst nematode
- Medium-tall plant height, moderate-bushy plant type and very good standability
- A planned fungicide program may be warranted for frogeye leaf spot control



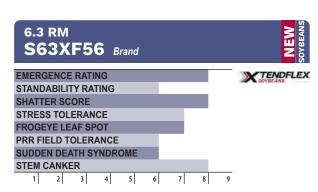
- Mid-group V determinate XtendFlex® soybean introduction for the Delta and East Coast regions
- Intermediate resistance for southern root knot nematode and excluder for chloride salts
- Peking source of resistance for cyst nematode with very good frogeye leaf spot tolerance
- Medium-short plant height, moderate-bushy lateral branching and very good standability
- Maintains plant height across soil types for consistent performance across environments



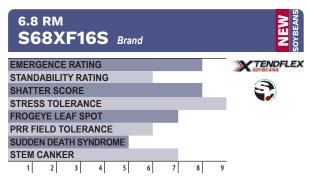
- XtendFlex® soybean release features resistance for both southern and peanut root knot nematodes
- Peking source of resistance for cyst nematode and excluder for chloride salts
- Medium plant height with good lateral branching and very good standability
- Very good tolerance for frogeye leaf spot and resistance for stem canker
- Excellent adaptation for all soil types and environments throughout the East Coast region



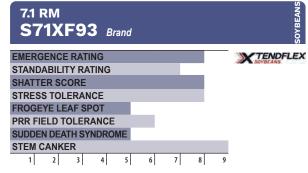
DISEASE TOLERA	ANCE		100					e chi s						PRODUCT
Soybean Cyst Nematode	SCN Source of Resistance	Phytophthora Resistance	Phytophthora Field Tolerance	Sclerotinia White Mold	Brown Stem Rot	Sudden Death Syndrome	Frogeye Leaf Spot	Stem Canker	Charcoal Rot	Cercospora Leaf Blight	Southern Root Knot Nematode	Metribuzin Tolerance	Chloride Sensitivity	Dyna-Gro Brand
R3	PI88788	Rps1c	6	N/A	8	N/A	6	9	N/A	N/A	2	6	EXC	S52XF76S
MR1, R3	Peking	S	6	N/A	N/A	5	7	9	N/A	N/A	6	7	EXC	S55XF95
R1, R3	Peking	S	7	N/A	N/A	6	7	9	N/A	N/A	7	6	EXC	S58XF24
S	N/A	Rps1a	8	N/A	N/A	N/A	7	9	6	6	7	7	EXC	S62XT09
MR3, MR14	PI88788	Rps1c	6	N/A	N/A	6	N/A	9	N/A	N/A	8	7	EXC	S63EN74
MR3	PI88788	S	6	N/A	N/A	5	7	8	N/A	N/A	8	8	EXC	S63XF56
S	N/A	S	6	N/A	N/A	5	4	9	N/A	N/A	7	7	EXC	S67XF34S
S	N/A	HRps1c	6	N/A	N/A	N/A	5	7	N/A	N/A	5	5	EXC	S68XF16S
S	N/A	S	6	N/A	N/A	5	5	9	N/A	N/A	7	4	EXC	S71XF93



- Early group VI XtendFlex® soybean introduction that features resistance for southern root knot nematode
- Moderate resistance for cyst nematode and excluder for chloride salts
- Strong tolerance for frogeye leaf spot and resistance for stem canker
- Medium-plus plant height with very good lateral branching and good standability



- Determinate late group VI XtendFlex® soybean & STS® introduction that is ideal for lighter soils and stress environments
- Intermediate tolerance for Southern root knot nematode and excluder for chloride salts
- Taller plant height with nice lateral branching for wider row widths and average standability scores
- A planned fungicide program may be warranted for frogeye leaf spot control



- Early group VII XtendFlex® soybean release features resistance for Southern root knot nematode
- Excluder for chloride salts and resistance for stem canker
- Medium-tall plant height with very good lateral branching and good standability scores
- Very good yield performance across all environments and soil types
- Planned fungicide program may be warranted for frogeye leaf spot control



DYNAGRO

SEED

LEGEND

RATING SCALE:

9 = Excellent

7-8 = Very Good

5-6 = Good

3-4 = Fair

1-2 = Poor

N/A = Information Not Available

RELATIVE MATURITY:

VE = Very Early

E = Early

ME = Medium-Early

M = Medium

ML = Medium-Late

L = Late

PLANT HEIGHT:

S = Short

MS = Medium-Short

M = Medium

MT = Medium-Tall

T = Tall

*AREA OF ADAPTATION

MWA = Midwest Area

MSA = Mid-South Area

SA = South Area

EA = East Coast Area

ECBA = Eastern Corn belt Area

CPA = Central Plains Area

WPA = Western Plains Area

NPA = Northern Plains Area

PNWA= Pacific Northwest Area

* Individual states may also be listed by abbreviation Yellow Mosaic = Wheat Spindle Streak Mosaic Virus

60

Wheat Seeding Rates

Re	equired L	bs./Acre	for Desire	ed Seeds/	Acre (in ı	million se	eds/acre)
Seeds/ lb.	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
10,000	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
10,500	123.8	133.3	142.9	152.4	161.9	171.4	181.0	190.5
11,000	118.2	127.3	136.4	145.5	154.5	163.6	172.7	181.8
11,500	113.0	121.7	130.4	139.1	147.8	156.5	165.2	173.9
12,000	108.3	116.7	125.0	133.3	141.7	150.0	158.3	166.7
12,500	104.0	112.0	120.0	128.0	136.0	144.0	152.0	160.0
13,000	100.0	107.7	115.4	123.1	130.8	138.5	146.2	153.8
13,500	96.3	103.7	111.1	118.5	125.9	13 3.3	140.7	148.1
14,000	92.9	100.0	107.1	114.3	121.4	128.6	135.7	142.9
14,500	89.7	96.6	103.4	110.3	117.2	124.1	131.0	137.9
15,000	86.7	93.3	100.0	106.7	113.3	120.0	126.7	133.3
15,500	83.9	90.3	96.8	103.2	109.7	116.1	122.6	129.0
16,000	81.3	87.5	93.8	100.0	106.3	112.5	118.8	125.0
16,500	78.8	84.8	90.9	97.0	103.0	109.1	115.2	121.2
17,000	76.5	82.4	88.2	94.1	100.0	105.9	111.8	117.6
17,500	74.3	80.0	85.7	91.4	97.1	102.9	108.6	114.3

WHEAT TABLE OF CONTENTS

Soft Red Winter Wheat 6	2-67
Soft White Winter Wheat 6	88-69
Hard Red Spring Wheat7	70-73
Hard Red Winter Wheat 7	4-75

Dyna-Gro Seed recommends the use of a broad-

spectrum cereal fungicide seed treatment to help wheat get off to a fast, healthy start by providing protection against early season seed and soil borne diseases. These treatments also provide growers with a significant increase in germination and vigor. Fungicides applied directly to seed provide excellent seed and seedling safety, giving your wheat crop a faster start and stronger finish enhancing yield performance and higher returns. Dyna-Gro Seed wheat is also available with a seed-applied systemic insecticide that provides early season control of certain insect pests. See your Dyna-Gro dealer for details.

Benefits of fungicide seed treatments:

- · Control of early season seed and soilborne diseases
- Increased plant health and vigor
- Excellent worker and environmental safety
- Outstanding seed and seedling safety
- · Faster start, enhanced yield

Dyna-Gro Seed Treatment Packages	Fungicides	Nutritional	Insecticide
Professional			
Premium			

Work with your
Dyna-Gro Seed
agronomist to
determine and
understand known
crops stresses
in your fields, as
well as planning
or expected or
unpredictable
planting and growing
conditions.

Three-way fungicide package protection against:

- Seed decays
- Early season
 Pythium, stinking
 smut, Flag
 smut, Loose
 smut, Septoria,
 Rhizoctonia,
 common root rot,
 Fusarium foot rot.
- Early season suppression of powdery mildew and wheat leaf rust

- Micronutrients for early plant nutrition
- Helps extract and release soil nutrients into the available soil solution
- Promotes early plant vigor growth for improved yields
- Better root systems improve tolerance to drought and other stresses

Early season protection of seedlings against injury by:

- Aphids (including Bird cherry-oat, English grain, Greenbug, and Russian wheat aphid)
- Wireworms
- Hessian fly





Very Early 9290 Soft Red Winter STRAW STRENGTH TEST WEIGHT WINTER HARDINESS HESSIAN FLY STRIPE RUST POWDERY MILDEW SEPTORIA LEAF BLOTCH FUSARIUM HEAD SCAB 1 2 3 4 5 6 7 8 9

- Very early maturing variety with broad adaptation
- Fhb1 type II Fusarium head scab resistance marker
- A low vernalization variety
- Excellent overall plant health package

MANAGEMENT TIPS

 Plant late in the season. Breaks dormancy early and could get hurt by late frost events



- Early maturity high test weight variety
- Attractive appearance with great yield potential
- Unique genetics for the Midwest and East
- Great straw strength and thick appearance

- Consider a head scab suppressing fungicide at flowering
- Somewhat susceptible to barley yellow dwarf virus, manage accordingly



WHEAT

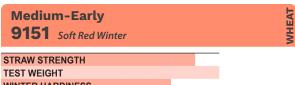
Marian Tarak								PRODUCT	TO SECURITION OF THE PERSON OF
Septoria Leaf Blotch	Stagnospora Glume Blotch	Yellow Mosaic (WSSM)	Fusarium Head Scab	Soilborne Mosaic Virus	Barley Yellow Dwarf	Seeding Rate/Million Seeds Per Acre	Area of Adaptation	Dyna-Gro Brand	
7	9	8	7	7	5	1.5 to 2.0	MWA, MSA, SA, EA	9290	
6	N/A	N/A	6	7	3	1.4 to 1.9	MWA, EA	9120	
8	7	8	7	6	8	1.5 to 2.0	MWA, MSA, EA	9570	
6	8	8	7	7	8	1.5 to 2.0	MWA, MSA, EA	9151	
7	8	8	7	8	7	1.4 to 1.9	EA, SA, ECBA	9231	

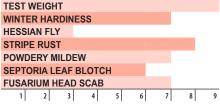
Early 9570 <i>Sof</i>	t Red Winte	r				NEW
STRAW STRENGT	Н					
TEST WEIGHT						
WINTER HARDINE	SS					
HESSIAN FLY						
STRIPE RUST						
POWDERY MILDE	W					
SEPTORIA LEAF	BLOTCH					
FUSARIUM HEAD	SCAB					
1 2 3	4 5	6	7	8	9	

- New for 2025! Early maturity with broad adaptability, works on all soil types
- Fhb1 type II Fusarium head scab resistance marker
- · Late jointing for early maturity to lessen freeze injury potential
- Early maturity with excellent yield, massive head size
- Excellent stripe rust resistance

MANAGEMENT TIPS

- · Ideal variety for the double crop market
- Excellent Hessian fly protection





- Combines outstanding test weight and yield potential
- Fhb1 type II Fusarium head scab resistance marker
- · Good stripe rust resistance, but scout and treat for other foliar diseases
- Yield history is the strongest in the lower Midwest

MANAGEMENT TIPS

- This variety is greatly improved with a foliar fungicide
- · Avoid fields with known Hessian fly pressure

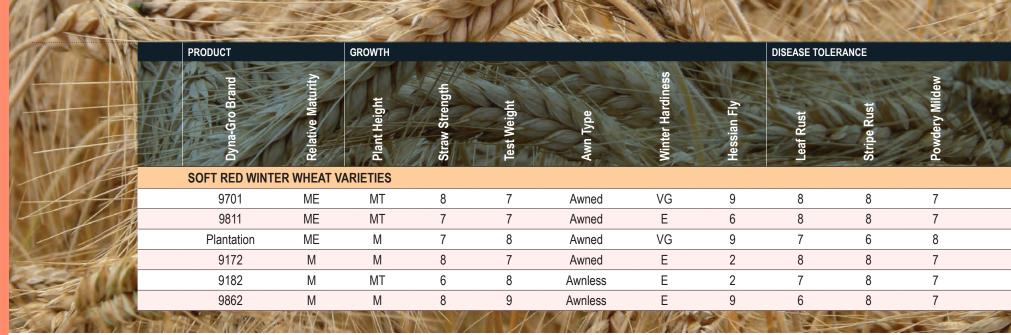
Medium-Early

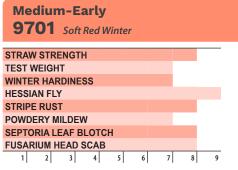
9231 Soft Red Winter



- · High yielding variety for the MO, IL, KY, IN & OH markets
- Fhb1 type II Fusarium head scab resistance marker
- · Excellent overall plant health package
- · Excellent in wet and sandy soils
- Medium-early maturity

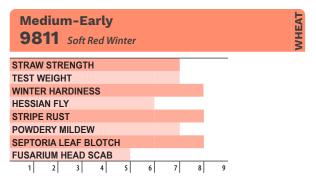
- This variety is ideal for tough acres
- · Manage standability in high yield environments





- A popular variety adapted to a large geographic area that combines good stress tolerance and yield potential
- Fhb1 type II Fusarium head scab resistance marker
- Replaces 9171 with improved plant health and head scab ratings
- Attractive plant height for farmers that like medium-tall varieties
- · Very good overall foliar health including stripe rust

- Excellent for areas with Hessian fly pressure
- Widely adapted to many soil types and management systems



- Unique genetics well adapted to the East and Midsouth
- A high yield potential variety with stress tolerance
- Exceptional plant health, particularly stripe and leaf rust
- Resistant to several biotypes of Hessian fly; susceptible to biotype L
- Great southern adaptability, but not recommended for low vernalization areas

MANAGEMENT TIPS

- Plan a fungicide application at flowering to suppress head scab
- An aggressive tillering variety that may be more forgiving in less than ideal planting conditions

Medium-Early Plantation Soft Red Winter STRAW STRENGTH TEST WEIGHT WINTER HARDINESS HESSIAN FLY STRIPE RUST POWDERY MILDEW SEPTORIA LEAF BLOTCH FUSARIUM HEAD SCAB 1 2 3 4 5 6 7 8 9

- A low vernalization variety for the South with newer genetics
- Exciting yield potential combined with good agronomics
- · Great ratings for stripe rust and test weight
- Excellent Hessian fly resistance to most biotypes
- · Good resistance to soilborne mosaic virus

- Susceptible to *Fusarium* head blight, manage with flowering timed fungicides
- Scout and spray for threshold level foliar diseases prior to flowering



A STATE OF S	PRODUCT			or water to be					
	Dyna-Gro Brand	Area of Adaptation	Seeding Rate/Million Seeds Per Acre	Barley Yellow Dwarf	Soilborne Mosaic Virus	Fusarium Head Scab	Yellow Mosaic (WSSM)	Stagnospora Glume Blotch	Septoria Leaf Blotch
	9701	MWA, MSA, SA, EA	1.4 to 1.7	7	8	8	N/A	7	8
A MIN FEET OF	9811	EA, MSA	1.4 to 1.6	7	N/A	5	N/A	8	8
100	Plantation	SA	1.5 to 2.0	8	7	5	N/A	6	7
	9172	MWA, MSA, SA, EA	1.5 to 2.0	8	8	8	7	7	7
CONTRACTOR OF THE PARTY OF THE	9182	MWA	1.4 to 1.6	8	4	8	5	8	7
	9862	MWA, MSA, EA	1.5 to 2.0	7	7	8	N/A	8	7

9172 Soft Red Winter								
STRAW STRENGTH	-							
TEST WEIGHT								
WINTER HARDINESS								
HESSIAN FLY								
STRIPE RUST								
POWDERY MILDEW								
SEPTORIA LEAF BLOTCH								
FUSARIUM HEAD SCAB								
1 2 3 4 5 6 7 8 9	,							

- This variety is sure to be a market leader
- Fhb1 type II Fusarium head scab resistance marker
- Well rounded agronomic package makes this variety hard to beat
- · Large geographic adaptation in the eastern U.S.

Medium

- Widely adapted to most soil types
- Strong yield potential for higher managed situations

Medium 9182 Soft Red Winter



- An exciting awnless variety for the OH, MI, IN & WI markets
- Fhb1 type II Fusarium head scab resistance marker
- · Combines great yields, head scab resistance, strong plant health, and high test weight
- · Medium-tall plants are ideal for forage or straw production

MANAGEMENT TIPS

- Consider a PGR application to improve standability of this variety
- This variety can lodge under aggressive management or on highly productive soils, manage accordingly

Medium

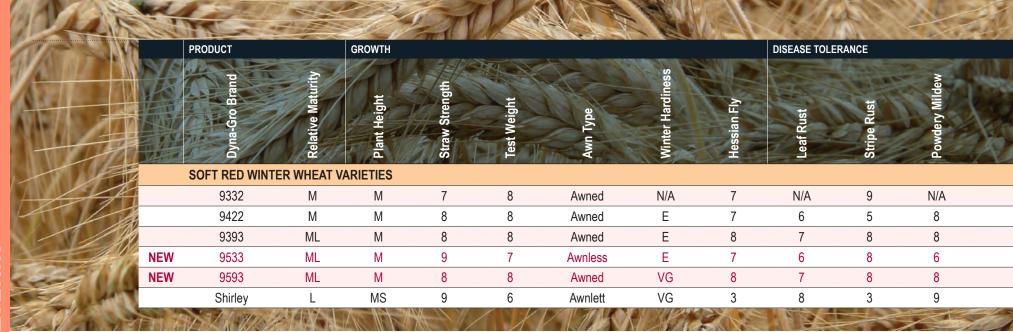
WHEAT

9862 Soft Red Winter



- A widely adapted variety with great agronomics and yield history
- Fhb1 type II Fusarium head scab resistance marker
- Awnless head type for farmers that like 9182
- Exceptional test weight
- · Ideal variety for farmers that like to bale straw

- · Excellent for areas with Hessian fly pressure
- · Scout and spray for leaf rust and other foliar diseases



WHEAT Medium 9332 Soft Red Winter STRAW STRENGTH **TEST WEIGHT** WINTER HARDINESS (N/A) **HESSIAN FLY**

STRIPE RUST POWDERY MILDEW (N/A) SEPTORIA LEAF BLOTCH (N/A) **FUSARIUM HEAD SCAB** 1 2 3 4 5 6 7 8 9

- · Low vernalization variety for the South region
- · Excellent agronomics with improved stripe rust resistance
- Exclusive to the Dyna-Gro Brand
- · Excellent test weight
- Strong yield history in the Gulf states

MANAGEMENT TIPS

- Consider a head scab suppressing fungicide at flowering
- · Scout and spray for threshold level foliar diseases prior to flowering

Medium

9422 Soft Red Winter

STRAW STRENGTH **TEST WEIGHT** WINTER HARDINESS **HESSIAN FLY** STRIPE RUST **POWDERY MILDEW** SEPTORIA LEAF BLOTCH **FUSARIUM HEAD SCAB** 1 2 3 4 5 6

- · A step change in yield performance
- Fhb1 type II Fusarium head scab resistance marker
- Extremely consistent performance across all geographies
- · Widely adapted to most soil types
- Excellent standability

MANAGEMENT TIPS

- This variety is greatly improved with a foliar fungicide
- · Scout and spray for threshold level foliar diseases prior to flowering

Medium-Late

9393 Soft Red Winter

STRAW STRENGTH **TEST WEIGHT** WINTER HARDINESS **HESSIAN FLY** STRIPE RUST POWDERY MILDEW SEPTORIA LEAF BLOTCH **FUSARIUM HEAD SCAB** 1 2 3 4 5 6 7

- · High yielding variety with outstanding yield potential and broad adaptation
- · Excellent agronomic package able to handle most environments
- Excellent performance in wet and heavy soils
- · Excellent for areas with Hessian fly pressure
- · Above average plant health and average head scab

- Consider a head scab suppressing fungicide at flowering
- · Average on vernalization, avoid planting in the Deep South



_				or water to be					PRODUCT	THE PARTY OF
	Septoria Leaf Blotch	Stagnospora Glume Blotch	Yellow Mosaic (WSSM)	Fusarium Head Scab	Soilborne Mosaic Virus	Barley Yellow Dwarf	Seeding Rate/Million Seeds Per Acre	Area of Adaptation	Dyna-Gro Brand	
	N/A	N/A	N/A	6	N/A	N/A	1.5 to 2.0	SA	9332	
	7	9	N/A	7	8	7	1.5 to 2.0	MWA, MSA, SA, EA	9422	The second
	7	7	8	6	7	8	1.5 to 2.0	EA, SA, ECBA	9393	The state of the s
	8	8	N/A	8	N/A	8	1.5 to 2.0	MWA, MSA, SA, EA	9533	
	8	8	5	8	8	7	1.5 to 2.0	MWA, MSA, SA, EA	9593	CONTRACTOR OF THE
	7	7	7	4	4	7	1.5 to 1.8	EA	Shirley	

95	33	Soft	Red V	/inter	•			
STRAW	V STR	ENGTI	1					
TEST V	VEIGH	IT						
WINTE	R HAF	RDINE	SS					
HESSIA	AN FL	Υ						
STRIPE	RUS	Т						
POWDI	ERY N	IILDEV	٧					
SEPTO	RIA L	EAF B	LOTCH	1				
FUSAR	RIUM F	IEAD S	SCAB					
1	2	3	4	5	6	7	8	

- New for 2025! A step change in yield performance
- An exciting awnless variety for all markets
- Fhb1 type II Fusarium head scab resistance marker
- Widely adapted to most soil types
- Excellent standability

Medium-Late

MANAGEMENT TIPS

- This variety is greatly improved with a foliar funcicide
- Strong yield potential for higher managed situations

Medium-Late

1 2 3

9593 Soft Red Winter

STRAW STRENGTH **TEST WEIGHT WINTER HARDINESS HESSIAN FLY** STRIPE RUST **POWDERY MILDEW** SEPTORIA LEAF BLOTCH **FUSARIUM HEAD SCAB**

- New for 2025! Complete package! Broad adaptability, strong yield and excellent agronomics
- Fhb1 type II Fusarium head scab resistance marker
- Extremely consistant performance across all geographies

5 6

- · Excellent standability, especially in high yield environments
- Fits all soil types and management styles

MANAGEMENT TIPS

- · Plant this variety with confidence
- This variety works well across geographies, soil types and management styles

Late Shirley Soft Red Winter

NEW



- Fuller season variety with outstanding yield potential for the East Coast
- Medium-short plant with outstanding straw strength
- Strong ratings for Septoria leaf and glume blotch
- Avoid areas where stripe rust occurs with frequency
- · High level of resistance to leaf rust, stem rust and powdery mildew

- · Outstanding choice for high fertility and management
- Plant after Hessian fly-free date and manage for Fusarium head blight





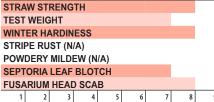


Medium 9242W	Soft W	hite Wi	nter				
STRAW STRENGT	'H						
TEST WEIGHT							
WINTER HARDINE	SS						
STRIPE RUST							
POWDERY MILDE	W						
SEPTORIA LEAF	BLOTCH						
FUSARIUM HEAD	SCAB						
1 2 3	4	5 6	7	8	9		
. Coff white win	400	a+	4h av	+:	، امما	المعامم أمامان	

- Soft white winter variety with exceptional yield potential
- Medium maturity with fantastic eye appeal
- Medium-tall plant height with excellent straw strength
- Very good scores for powdery mildew and Stagnospora glume botch
- High test weight grain with very good milling and baking quality

- Excellent response to high levels of fertility and management
- Fungicides suggested for stripe rust control

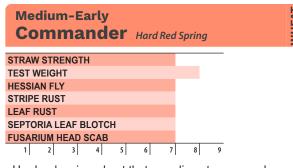




- High yielding soft white variety with outstanding yield potential
- The new standard for FHB resistance in white wheat
- Fhb1 type II Fusarium head scab resistance marker
- An aggressively tillering variety with stiff straw and excellent standability
- Excellent late season drought tolerance

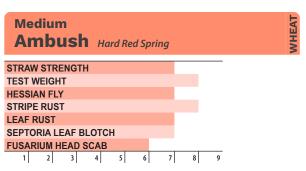
- Excellent response to high levels of fertility and management
- Widely adapted to most soil types





- Hard red spring wheat that compliments our popular Ambush variety
- CSO variety, farmers are required to sign a No Saved Seed agreement
- Widely adapted to many areas of MT, ND, MN, and SD
- A well balanced variety, with slightly more yield and slightly less protein than Ambush
- Improved resistance to *Fusarium* head scab compared to Ambush

- · Scout and apply fungicides as needed
- Avoid fields with a known history of severe bacterial leaf streak



- Unique hard red spring wheat that is widely adapted to a large geography and most soil types
- Above average protein combined with good yields
- Great straw strength for soils with lodging concerns
- Strong agronomics against stripe rust and bacterial leaf streak

MANAGEMENT TIPS

- Apply fungicides to suppress Fusarium head scab in situations with elevated infection risk
- Seeding above 1.6 million seeds per acre is not recommended for acres not considered high management/high yield



- Hard red spring wheat with explosive yield potential
- Best adapted to the productive soils of eastern North Dakota and western Minnesota
- Excellent on *Fusarium* head scab; the best in Dyna-Gro spring wheat
- A competitive option against other older varieties in the high yield/average protein market

- Plant at 1.2 million seeds per acre; higher seeding rates can cause lodging in this variety
- Consider foliar nutrient applications that could improve protein and/or test weight



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	SESSESSES	266472711		M. WANTED	SCHOOL SECTION AND ADDRESS OF THE PARTY.			PRODUCT	A TOP
	Stagnospora Glume Blotch	Fusarium Head Scab	Tan Spot	Stem Rust	Bacterial Leaf Streak	Seeding Rate/Million Seeds Per Acre	Area of Adaptation	Dyna-Gro Brand	
	N/A	7	N/A	N/A	4	1.3 to 1.6	North Plains	Commander	
	7	6	8	8	6	1.3 to 1.6	North Plains	Ambush	The second second
	N/A	8	7	N/A	7	1.1 to 1.3	ND & MN	Ballistic	
	N/A	N/A	N/A	N/A	N/A	N/A	MT	Rocker	30 100 100
	1////					Sant			

Medium Rocker Hard Red Spring

STRAW STRENGTH **TEST WEIGHT**

HESSIAN FLY (N/A) STRIPE RUST (N/A) LEAF RUST (N/A) SEPTORIA LEAF BLOTCH (N/A)

- High protein and excellent milling and baking qualities
- Excellent sawfly tolerance
- Best combination of yield, protein content, and sawfly tolerance available
- CSO variety: farmers are required to sign a No Saved Seed agreement

MANAGEMENT TIPS

- Works well under irrigation if sawfly pressure is known
- Best choice for growers for sawfly, yield and quality combination in Montana







Holmes Hard Red Spring STRAW STRENGTH TEST WEIGHT HESSIAN FLY (N/A) STRIPE RUST LEAF RUST

- High quality high yielding HRS
- High protein and excellent milling and baking qualities
- Great irrigated variety for Idaho and Montana
- CSO variety, farmers are required to sign a No Saved Seed agreement

MANAGEMENT TIPS

Medium

• Do not seed too heavy under irrigation



Medium 8582 Hard Red Spring STRAW STRENGTH TEST WEIGHT HESSIAN FLY (N/A) STRIPE RUST (N/A) LEAF RUST

- New for 2025! High yielding variety with outstanding yield potential
- Exclusive to the Dyna-Gro Brand
- Excellent agronomic package able to handle most environments
- An aggressively tillering variety with stiff straw and excellent standability

MANAGEMENT TIPS

- Excellent variety for high management growers
- · Scout and apply fungicides as needed
- Seeding above 1.6 million seeds per acre is not recommended for acres not considered high management/high yield

Medium-Late Presser CLP Hard Red Spring

Clearfield Plus

STRAW STRENGTH
TEST WEIGHT
HESSIAN FLY (N/A)
STRIPE RUST (N/A)
LEAF RUST (N/A)
SEPTORIA LEAF BLOTCH (N/A)
FUSARIUM HEAD SCAB (N/A)

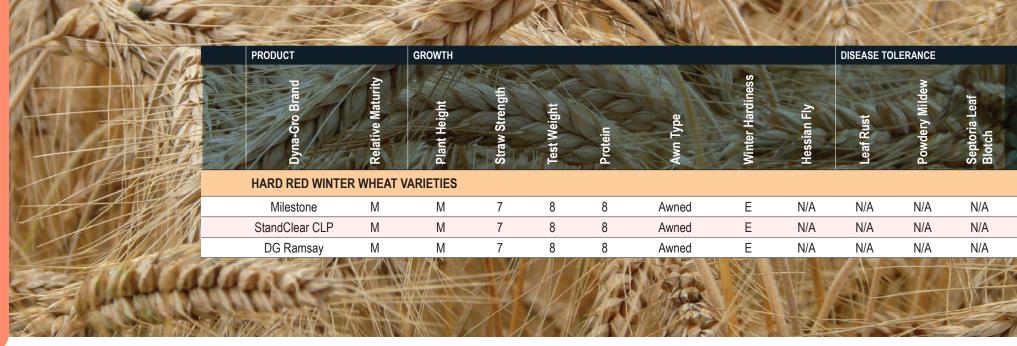
1 2 3 4 5 6 7 8 9

- Excellent yield potential
- Best adapted to dryland acres of Montana and western North Dakota
- Good sawfly tolerance
- Agronomic characteristics similar to Vida with addition of Clearfield[®] Technology

MANAGEMENT TIPS

Recommended for dryland, subject to lodging under irrigation

NEW WHEAT

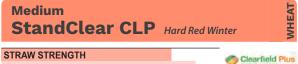


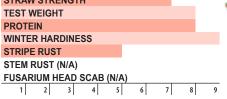


- · Top yield potential
- Stripe rust tolerance
- · Broadly adapted to irrigated and dryland
- Excellent protein and test weight
- Large seed size for improved vigor

MANAGEMENT TIPS

- · Watch seed size and seeding rate
- CSO variety: farmers are required to sign a No Saved Seed agreement





- Best combination of yield, sawfly tolerance, and Clearfield® technology
- Excellent yield potential
- Very good protein content
- Solid stem for sawfly tolerance
- Very good disease package

MANAGEMENT TIPS

- For areas with sawfly problems
- CSO variety, farmers are required to sign a No Saved Seed agreement

Medium DG Ramsay Hard Red Winter

STRAW STRENGTH TEST WEIGHT PROTEIN WINTER HARDINESS STRIPE RUST STEM RUST (N/A) FUSARIUM HEAD SCAB (N/A) 1 2 3 4 5 6 7 8 9

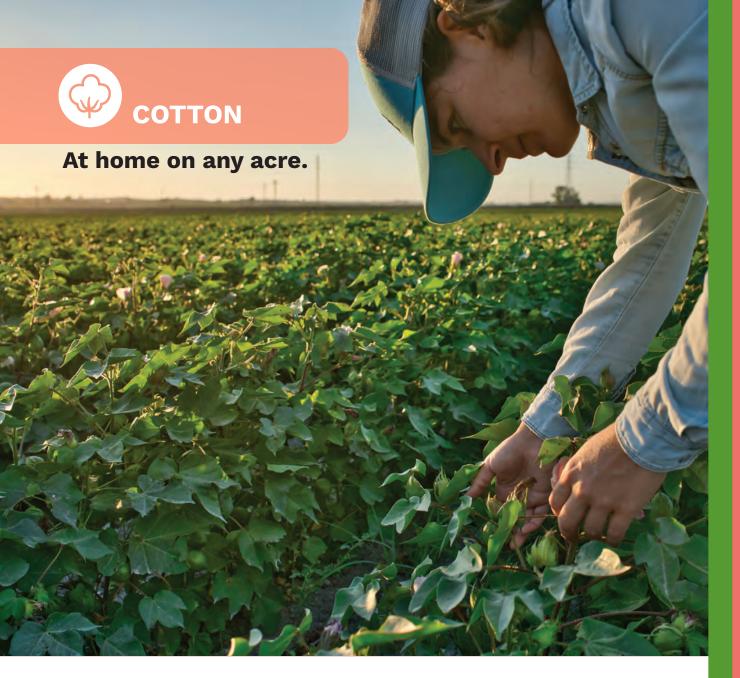
- Excellent yield potential
- Excellent standability
- · Great choice for dryland
- Excellent test weight
- · Good protein content

MANAGEMENT TIPS

- Fits dryland best but can be used in irrigation, stands well
- CSO variety, farmers are required to sign a No Saved Seed agreement







DYNAGRO

SEED

LEGEND

HERBICIDE TOLERANT TRAITS:

H = Halo Salt Tolerant Series™

XF = XtendFlex® Cotton

BXF = Bollgard® XtendFlex® Cotton

B2XF = Bollgard II[®] XtendFlex[®] Cotton

B3XF = Bollgard® 3 XtendFlex® Cotton

B3TXF = Bollgard® 3 Thryvon® Cotton with Xtendflex® Technology

Red = New

Ratings are based on the average performance of a variety grown over a wide range of climate and soil types within its adapted maturity under normal growing conditions. Extreme conditions may adversely affect performance. Consult your local Dyna-Gro representative for specific recommendations in your area.

COTTON TABLE OF CONTENTS

HALO Salt Tolerant Series™+
Bollgard® 3 XtendFlex® Cotton77-79
XtendFlex® Cotton80-8
Bollgard® II Xtendflex® Cotton 80-8
Bollgard® 3 XtendFlex® Cotton81-86
Bollgard® 3 ThryvOn® Cotton
with XtendFlex® Technology 86-87



SALT TOLERANT SERIES

Dyna-Gro Seed is proud to offer our unique HALO Salt Tolerant Series[™] cotton.

Why HALO? Halo is short for halophyte — a plant that grows in water or soil with high salinity. Salt tolerance includes:

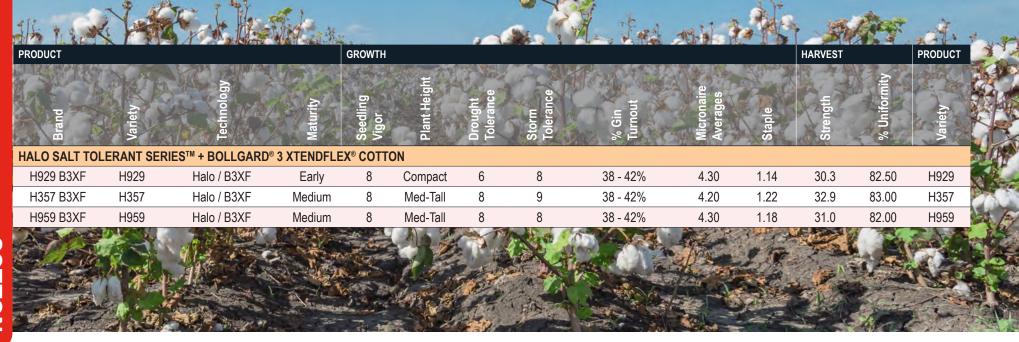
- the ability of the plant to exclude the uptake of salts from a saline soil-water solution
- the ability of the plant to extrude or compartmentalize salts from a saline soil-water solution
- the ability of the plant to uptake water in an unfavorable saline soil environment
- the ability to produce a favorable yield under high saline water and/or soil conditions

Typically, salt tolerance is seen in the first 7-21 days with vigorous germination followed by good seedling growth rate in soils that are high in salt content. Cotton is most sensitive to salt environments from germination through the first six weeks. HALO cotton achieves more uniform stands with vigorous root and seedling growth as well as better canopy cover versus salt sensitive lines.

This series will be utilized in a large geographic area: New Mexico, West Texas, Oklahoma, North Carolina, Louisiana and other areas where salty environments have impacted plant growth. According to Shawn Carter, Dyna-Gro Seed's South Plains Division Agronomist, "this is just the beginning of the HALO technology usage and impact on the industry. It's another example of Dyna-Gro Seed solving problems for its growers." Carter mentioned that yield increases of 25% were seen during the testing of the HALO Salt Tolerant series in salt environments.



Halo 929 B3XF on the right next to a non-Halo on the left



Early H929 Halo™/B3XF Brand

- Bollgard® 3 XtendFlex® cotton + HALO
- Enhanced with Halo Salt Tolerance Series™
- SALT TOLERANT SERIES

 SOURCE

 TENDFLEX

 TOLERANT SERIES
- Adapted to West Texas and other areas with saline soil types
- Semi-smooth leaf type with Bollgard® 3 XtendFlex® cotton trait
- Bacterial blight resistant and good Verticillium tolerance
- Good salt and storm tolerance
- Very good seedling vigor compact to medium plant height

Medium H357 Halo™/B3XF Brand

- Bollgard® 3 XtendFlex® cotton + HALO
- Enhanced with Halo Salt Tolerance Series™
- Adapted to West Texas and other areas with saline soil types
- Meduim-tall, smooth leaf type with Bollgard® 3 XtendFlex® cotton trait
- Bacterial blight resistant and good Verticillium tolerance
- Good salt and storm tolerance
- Excellent seedling vigor
- Aggressive growth under irrigation; requires PGR management

Medium H959 Halo™/B3XF Brand

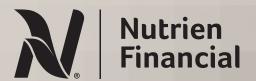
- Bollgard® 3 XtendFlex® cotton + HALO
- Enhanced with Halo Salt Tolerance Series™

Bollgard 3



- Adapted to the southern Cotton Belt, Carolinas, and areas south and east of the Caprock Escarpment
- Medium-tall plant height with smooth leaf characteristics
- Bacterial blight resistant and good Verticillium tolerance
- · Good salt and storm tolerance
- Good seedling vigor, medium-tall plant height





INPUT INTEREST RATES LOWER THAN YOUR FUELTANK AFTER

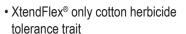


SCAN, OR <u>CLICK</u>, THE QR TO DISCOVER FINANCING OPTIONS TODAY!





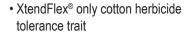
Early-Medium 2475 XF Brand

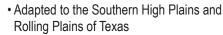


- Broadly adaptable across the High Plains and Rolling Plains of Texas
- Medium plant height with smooth leaf characteristics
- Very good seedling vigor with above average fiber quality
- Above average *Verticillium* wilt tolerance and bacterial blight resistance
- Excellent storm tolerance
- · Very good stress tolerance

Medium 2425 XF Brand

TENDFLEX





- Medium-tall plant height with smooth leaf characteristics
- · Good seedling vigor and fiber quality
- Very good Verticillium wilt tolerance and bacterial blight resistance
- Good storm tolerance

Early 3385 B2XF Brand

TENDFLEX



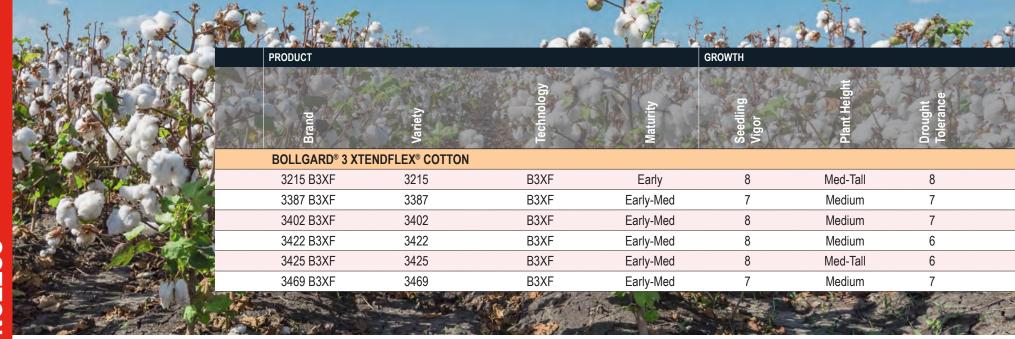


- Modified bushy plant type with semi-smooth leaves
- Medium plant height with compact boll orientation
- Very responsive to irrigation and intense management
- Very broadly adapted from Arizona to Texas and across the northern Cotton Belt
- Good storm tolerance and seedling vigor
- Below average Verticillium wilt tolerance

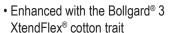


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7	39 - 42%	4.50	1.13	30.5	83.50	3385				THE PARTY OF		5





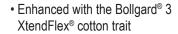
Early 3215 B3XF Brand

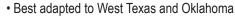




- Medium plant height with smooth leaf characteristics
- · Above average fiber quality and stress tolerance
- Excellent seedling vigor and excellent storm tolerance
- Excellent *Verticillium* wilt tolerance; bacterial blight resistant
- · Irrigated or dryland

Early-Medium 3387 B3XF Brand



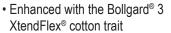


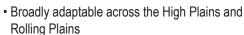
- Medium plant height with smooth leaf characteristics
- Good fiber quality and emergence
- Excellent *Verticillium* wilt tolerance and bacterial blight resistance
- Irrigated or dryland
- RKN tolerant

Bollgard 3

Early-Medium 3402 B3XF Brand

Bollgard TENDFLEX





• Medium plant height with smooth leaf characteristics

Bollgard 3

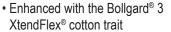
- · Excellent fiber quality and seedling vigor
- Excellent storm tolerance
- Above average Verticillium wilt tolerance
- Great for dryland and irrigated

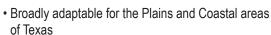






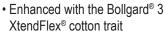
Early-Medium 3422 B3XF Brand





- Medium plant height with smooth leaf characteristics
- Excellent fiber quality
- Very good seedling vigor
- Above average *Verticillium* wilt tolerance; bacterial blight susceptible
- Recommended for both dryland and irrigated acres
- RKN and Reniform nematode tolerance

Early-Medium 3425 B3XF Brand

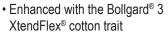


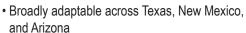


Bollgard 3

- Adapted to Texas and Northern Cotton Belt
- Medium plant height with smooth leaf characteristics
- · Above average fiber quality and very good emergence
- Excellent *Verticillium* tolerance; bacterial blight susceptible
- Recommended for dryland and irrigated acres

Early-Medium 3469 B3XF Brand





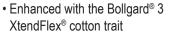
- Medium plant height with smooth leaf characteristics
- Very good seedling vigor with above average fiber quality
- Above average *Verticillium* wilt tolerance and bacterial blight resistance
- Excellent storm tolerance
- Very good stress tolerance

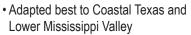


Bollgard 3



Medium 3503 B3XF Brand

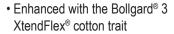


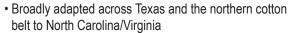


- Medium-tall plant height with smooth leaf characteristics
- Great fiber quality and emergence
- Recommended for irrigated and dryland
- Good storm tolerance
- Bacterial blight susceptible

Medium 3519 B3XF Brand

Bollgard 3

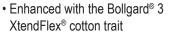




Bollgard 3

- Medium-tall plant height with smooth leaf characteristics
- Excellent fiber quality and very good seedling vigor
- Recommended for irrigated and dryland
- Very good storm tolerance
- Excellent Reniform nematode tolerance, bacterial blight resistant, and average Verticillium wilt tolerance

Medium 3528 B3XF Brand





- Adapted to Upper Texas Gulf Coast, Midsouth, and Southeast
- Medium-tall plant height with smooth leaf characteristics
- · Good fiber quality and emergence
- High yield potential with good storm tolerance
- Bacterial blight resistant

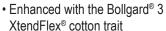


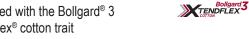


Medium 3570 B3XF Brand

- Enhanced with the Bollgard® 3 XtendFlex® cotton trait
- · Adapted to Texas, Delta and Southeast
- · Medium-tall plant height with semi-smooth leaf characteristics
- Above average fiber quality and very good emergence
- Recommended for dryland or irrigated acres
- · Bacterial blight susceptible and average Verticillium tolerance
- B3XF version of DG 2570 B2RF

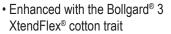
Medium-Full 3615 B3XF Brand

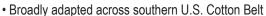




- Adapted to areas south and east of the Caprock Escarpment and Full Season areas of the Southeast
- · Medium-tall plant height with smooth leaf characteristics
- · Excellent fiber quality and seedling vigor
- Excellent storm tolerance
- Excellent Verticillium wilt tolerance and bacterial blight resistance
- Recommended for both dryland and irrigated acres

Medium-Full 3644 B3XF Brand

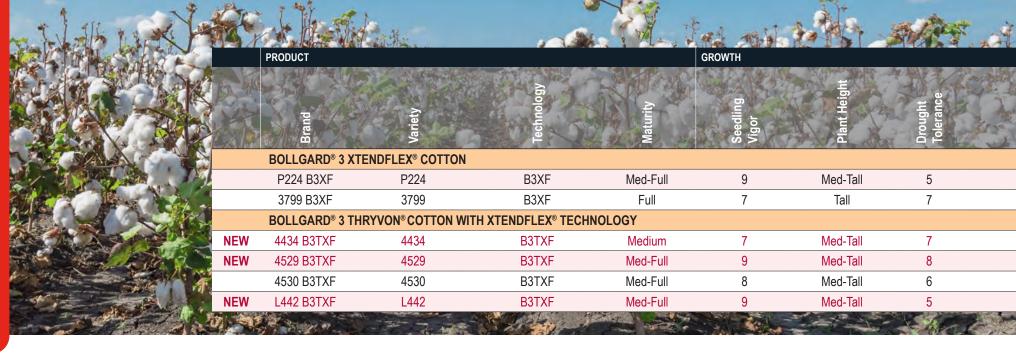




- · Medium-tall plant height with smooth leaf characteristics
- · Good fiber quality and emergence
- Recommended for dryland or irrigated acres
- Root knot and Reniform nematode resistant
- · Manage growth aggressively with plant growth regulators



Bollgard 3



Medium-Full P224 B3XF Brand



- Enhanced with the Bollgard® 3 XtendFlex® cotton trait
- Adapted to the Southern High Plains and Rolling Plains of Texas
- Medium-tall plant height with smooth leaf characteristics
- Vastly superior fiber quality with extremely long staple and very high strength
- Recommended for most irrigated acres with higher management potential
- Excellent storm tolerance
- Above average *Verticillium* wilt tolerance; bacterial blight susceptible

Full 3799 B3XF Brand



- Enhanced with the Bollgard® 3 XtendFlex® cotton trait
- Adapted to the full season growing areas of the Southeast cotton belt
- Tall plant height with smooth leaf characteristics
- Excellent fiber quality and seedling vigor
- Excellent performance on sandy to silt loam soils
- Excellent storm tolerance
- Excellent Verticillium wilt tolerance and bacterial blight resistant

Medium 4434 B3TXF Brand



- Protected by new Bollgard® 3 ThryvOn® cotton with XtendFlex® Technology
 - ™XTEI
- Broad performance across the entire Cotton Belt
- Medium-tall plant height with semi-smooth leaf characteristics
- Very good seedling vigor and above average fiber quality
- Bacterial blight resistant and very good Verticillium wilt tolerance
- Good storm tolerance





Medium-Full 4529 B3TXF Brand

- Protected by new Bollgard® 3 ThryvOn® cotton with XtendFlex® Technology
- Demonstrated strong performance in the Plains of Texas and mid-full areas of the Southeast
- · Medium-tall plant height with a smooth leaf
- Excellent seedling vigor and fiber quality with very good stress tolerance
- Bacterial blight resistant and excellent Verticillium wilt tolerance
- Very good storm tolerance

Medium-Full 4530 B3TXF Brand

- Protected by new Bollgard® 3 ThryvOn® cotton with XtendFlex® Technology
- · Adapted to upper and lower Mississippi Valley
- · Medium-tall plant height that will require PGR management
- · Above average fiber quality and good seedling vigor
- Susceptible to bacterial blight and below average Verticillium wilt tolerance
- Average storm tolerance

Medium-Full L442 B3TXF Brand



- Protected by new Bollgard® 3 ThryvOn® cotton with XtendFlex® Technology
- Adapted to the Southern High Plains and Rolling Plains of Texas
- · Medium-tall plant height with smooth leaf characteristics
- Vastly superior fiber quality with extremely long staple and very high strength
- Recommended for most irrigated acres with higher management potential
- Excellent storm tolerance
- Above average Verticillium wilt tolerance; bacterial blight susceptible



DYNAGRO

SEED

LEGEND

DYNA-GRO SORGHUM NUMBER SYSTEM:

1st Digit – M = Grain Sorghum F = Forage Sorghum

2nd & 3rd Digit – Days to Mid-bloom Example: M60 = 60 days to mid-bloom

4th Digit – Type Sorghum: G=Grain Sorghum, F=Forage Sorghum Name=Sorghum Sudangrass

5th Digit – Grain Color: B=Bronze, R=Red, C=Cream

6th & 7th Digit – Random for hybrid designation

Example:

M67GB87 = Grain Sorghum; 67 Days to Bloom Maturity, Bronze Grain

F74FS72 BMR = Forage Sorghum; BMR; Medium Maturity

RATING SCALE:

9 = Excellent

7-8 = Very Good

5-6 = Good

3-4 = Fair

1-2 = Poor

Sc = Susceptible

DEFINITIONS

BMR - Brown Mid-Rib

VDT - In Vitro True Digestibility

RFV - Relative Feed Value



Dyna-Gro Seed is focused on bringing value to customers' farms by offering the best yielding, most consistent products available. The brand has made an effort to identify and test sorghum hybrids that show resistance to Sorghum Aphids.

Dyna-Gro Seed has determined a number of sorghum hybrids that have significant levels of resistance to Sorghum Aphids (SCA). The use of tolerant hybrids is encouraged because this serves to synergize the impact of natural enemies and reduce the need for spraying. With slower aphid population growth, there is more time for predators to arrive in sufficient numbers and consume all the aphids before the aphids can reach densities sufficient to escape biological control. It also means that management control decisions such as insecticide applications are not quite so urgent as aphids approach threshold numbers.

Dyna-Gro Seed has more hybrids on the Sorghum Aphid resistance list than any other brand. Additionally, the brand's offerings of SCA tolerant hybrids cover a wide range of maturities. The seed development team at Dyna-Gro is committed to providing the best options with the most current research available to help retailers meet the demands of customers.

The Dyna-Gro hybrids on the Resistance to Sorghum Aphid list are:

M54GR24	Very Early
M59GB94	Early
M60GB31	Medium-Early
M62GC23	Medium-Early
M62GB36	Medium-Early
M63GB78	Medium-Early
M66GR32	Medium
M67GB87	Medium
M70GR37	Medium-Full
M71GR91	Medium-Full
M72GB71	Medium-Full

SORGHUM TABLE OF CONTENTS

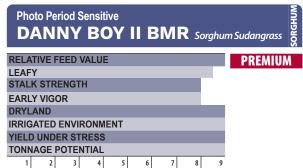
Pearl Millet	89
Hybrid Sorghum Sudangrass	90-91
Hybrid Forage Sorghum	92-93
Grain Sorghum	94-99



Summer Annual PearlMil Hybrid Pearl Millet

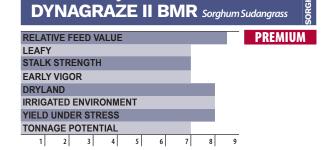


- Excellent sorghum aphid tolerance
- Large canopy provides rapid ground shading to help restrict moisture losses from evaporation
- Produces on marginal soils—both sandy or acidic, tolerance of iron deficiency and high pH soil
- Excellent seedling vigor with high tillering capability
- High leaf to stem ratio with high protein content
- Small diameter, smooth stems and smooth leaves



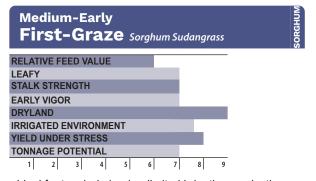
- Tall broad-leaved type BMR with digestibility comparable to corn silage
- Can be used for silage, hay, or grazing*
- Daylight/photo period sensitive for extended harvest window
- Premium BMR sorghum sudangrass with impressive leaf vigor and high digestibility
- Seeding rates: dryland 12-30 lbs./acre: irrigated 25-60 lbs./ acre
- Do not feed to horses
- *Do not use for grazing in extreme southeast U.S

Dyna-Gro Sorghum Sudangrasses characteristically reach a height of six to eight feet, have smaller stalks than forage sorghum, strong tillering, and produce more tonnage than standard sudangrass. They have excellent re-growth potential compared to forage sorghums, but less than sudangrass. Well-suited for multiple harvest systems. Sorghum-sudangrass hybrids are primarily used for grazing and hay production; they can be used for silage. If used for silage, the crop should be allowed to wilt before chopping to ensure proper moisture content.



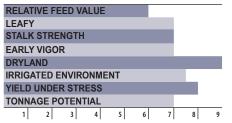
- Improved BMR version of Dynagraze II sorghum x sudangrass hybrid
- Consistent high yields with excellent regrowth and recovery
- · Juicy, sweet fine stems for improved BMR feed quality
- Should be harvested prior to boot stage for maximum quality
- Cut or graze approximately 3-4 inches above soil
- · Very good foliar disease resistance
- · Do not feed to horses

Medium-Early



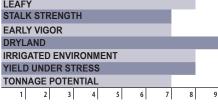
- Ideal for tough dryland or limited irrigation production
- Versatile crop usage for hay, silage, and grazing
- Excellent early season vigor and fast regrowth after cutting
- Thin stemmed plant type
- Very good dry matter yield potential
- · Has exceptional drought stress tolerance for tough acres
- Do not feed to horses
- No Return Seed

Medium-Early DYNAGRAZE II Sorghum Sudangrass



- Improved conventional Dynagraze sorghum x sudangrass hybrid
- Consistent high yields with excellent regrowth and recovery
- Juicy, sweet fine stems for improved feed quality
- Should be harvested prior to boot stage for maximum quality
- Cut or graze approximately 3-4 inches above soil
- · Very good foliar disease resistance
- · Do not feed to horses

Medium-Early Super Sweet 10 Sorghum Sudangrass RELATIVE FEED VALUE LEAFY STALK STRENGTH



- Shorter, leafier and finer stemmed than Dynagraze for higher feed values
- Extremely sweet feed which cattle love
- Superfine stems and a prolific tillering habit
- Excellent drought and heat stress tolerance for dryland or irrigated
- Best for haylage, intensive grazing, can be used for chopping
- Highly palatable at all stages of growth, harvest before boot for best feed value
- · Suitable for use in dairy, beef, and sheep farm systems
- · Do not feed to horses



Medium-Full FULLGRAZE II**BMR Sorghum Sudangrass

RELATIVE FEED VALUE
LEAFY
STALK STRENGTH
EARLY VIGOR
DRYLAND
IRRIGATED ENVIRONMENT
YIELD UNDER STRESS
TONNAGE POTENTIAL

1 2 3 4 5 6 7 8 9

- New design, late maturing sorghum sudan hybrid that allows for a wider window harvest of higher quality BMR forage
- Higher yields and digestibility than conventional sorghum sudan hybrids
- · Has excellent tillering, recovery, and regrowth after cutting
- Consistently # 1 in cattle preference grazing trials
- Wide range of adaptation because of its very high quality forage and superior drought tolerance
- High green leaf retention, produces high RFV forage
- Can be planted anywhere—harvest whenever you want and as often as you want!
- Very high yield and excellent regrowth
- Do not feed to horses

Medium-Full FULLGRAZE II** Sorghum Sudangrass

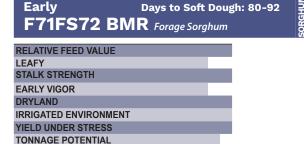
RELATIVE FEED VALUE
LEAFY
STALK STRENGTH
EARLY VIGOR
DRYLAND
IRRIGATED ENVIRONMENT
YIELD UNDER STRESS
TONNAGE POTENTIAL

1 2 3 4 5 6 7 8 9

- Late maturing hybrid that allows for a wider harvest window of higher quality forage
- Higher yields and digestibility than conventional sorghum sudan hybrids
- Has excellent tillering, recovery, and regrowth after cutting
- Wide range of adaptation because of its very high quality forage and drought resistance
- High green leaf retention, produces high RFV forage
- Can be planted anywhere—harvest whenever you want and as often as you want!
- Has shown limited tolerance and ability to recover from sorghum aphid pressure
- Do not feed to horses

**Fullgraze II is adapted throughout the US. The late maturity (LM) Fullgraze concept is 20-30 days later than conventional sorghum/sudan hybrids. This late maturity allows for higher tonnage and a wider window for harvest of high quality leaves before boot stage is reached. Fullgraze has greater IVTD value and a higher crude protein. IVTD of Fullgraze was 20+% more than a commercial check in trials. Fullgraze has a wide range of adaptation because of its incredible drought resistance and yield of quality forage.





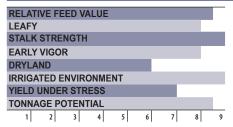
6 • Short season BMR forage, great yields on dryland or irrigated

7

- · Short statured with very good standability and dry stalks for quick dry down
- Early season that can yield with fuller season forage hybrids in most situations
- Due to early maturity, provides options for high quality forage where fuller season won't mature
- This hybrids performs well under dryland conditions with excellent heat and stress tolerance
- BMR-6 provides excellent nutrition and feed values
- Averages 13-15,000 seeds/lb

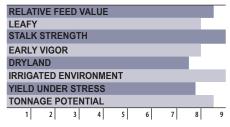
1 2 3





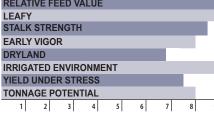
- Short stature leafy plant with very large grain heads produces top tonnage
- First forage sorghum with excellent sorghum aphid tolerance
- Medium-early maturity with very good heat and drought tolerance
- · Excellent standability and root lodging ratings
- Conventional style plant producing very good grain yields
- Large leaves with very good stalk quality





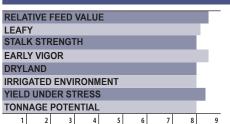
- · Large grain head and very leafy, sweet nutritional silage
- · Good palatability and excellent feed values
- · High tonnage and very high sugar content silage
- Moderate tolerance to downy mildew
- In previous years, Super Sile 30 has qualified as dual purpose, insurance approved

Medium Days to Soft Dough: 88-100 F74FS72 BMR Forage Sorghum **RELATIVE FEED VALUE**



- F74FS72 BMR is a new hybrid that was bred for its BMR traits and top tonnage
- Brachytic hybrid, 6-7 foot tall, excellent standability
- BMR-6 provides exceptional nutritional feed value
- Better yield potential and total digestible nutrients than conventional hybrids
- More leaves than taller conventional varieties
- · Best all around BMR forage for digestibility, standability, and yield
- Medium season hybrid great for dairies and feed yards on irrigated or high yield dryland

Medium Days to Soft Dough: 85-100 F75FS15 Forage Sorghum



- Best positioned and used for hay, grazing, or silage
- Sweet stalked, mid-maturing hybrid, high yield performance
- 8' to 10' in height and has very good standability
- Tolerates drought stress very well
- · Should be cut in the soft dough stage for highest tonnage and best quality
- Good choice for double crop with excellent early growth
- · Quality medium maturity cane hay or silage

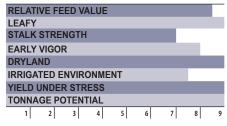
Medium-Full Days to Soft Dough: 92-110 Sweet Ton MS Forage Sorghum

RELATIVE FEED VALUE
LEAFY
STALK STRENGTH
EARLY VIGOR
DRYLAND
IRRIGATED ENVIRONMENT
YIELD UNDER STRESS
TONNAGE POTENTIAL

1 2 3 4 5 6 7 8 9

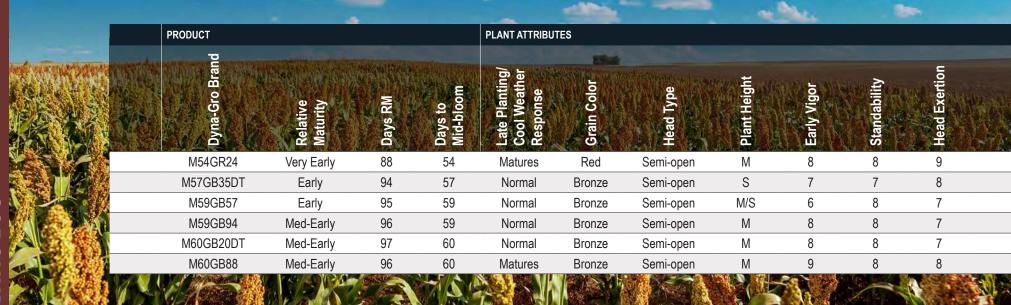
- Male sterile sorgo X sorgo forage sorghum
- Ideal for grazing, hay, haylage, bundle feed, and fall pasture
- Extra sweetness with high sugar content in stalks and leaves
- Works well in most soils under irrigation or dryland conditions
- Fast emergence and growth with an early maturity
- Normal 7-10 feet plant height with very good standability
- Very fine leafy stems which produce excellent feed values

Medium-Full Days to Soft Dough: 95-110 Super Sile 20 Forage Sorghum

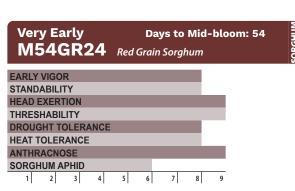


- Sorgo-forage, outstanding silage hybrid with 9-12 foot normal plant height
- · Very leafy, very tall plants with excellent stress tolerance
- · Nutritious, tall stalks produce top tonnage
- 17,000-19,000 seeds/lb., keep population on lower side for field type
- Qualifies as dual purpose, insurance approved

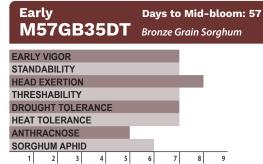




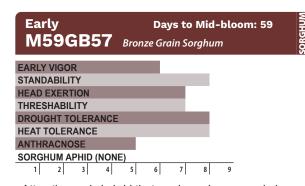
ORGHUN



- Very early, red colored grain sorghum with excellent short season yield
- Excellent anthracnose resistance and disease resistance
- Semi-open head with excellent head exertion and drought tolerance
- Good sorghum aphid tolerance and very good standability
- Adapted very well to northwest Kansas, eastern Colorado, High Plains Texas, and northern areas



- Early season, bronze grain, with high yield potential for maturity
- Well suited for dryland acres and where high soil pH could be a problem
- Double crop candidate in areas with longer growing seasons
- · Excellent early season vigor
- DT trait tolerates FirstAct™ herbicide for over the top grassy weed control

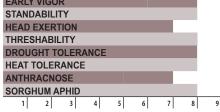


- Attractive early hybrid that produces bronze grain in a semi-open head
- Highest top end yielding 59 day to mid-bloom hybrid, adapted to high altitude areas
- Well-adapted to both dryland and irrigated production practices
- Excellent yield for maturity with high test weight grain
- Very strong pre-flower stress tolerance and fall standability
- First choice milo for dryland acres in eastern Colorado and northwest Kansas



				DISEASE/INS	ECT TOLERANO	CE	E.C.	_		PRODUCT		
	Threshability	Drought Tolerance	Heat Tolerance	Anthracnose	Head Smut	Downy Mildew 3 & 6	Sorghum Aphid	Green Bug Resistance	Approximate Seeds/lb. (thousands)	Dyna-Gro Brand	* Sorghum Aphid Tolerance; SCA tolerance is only one part of a good IPM program to control SCA. Regular scouting and awareness of SCA economic thresholds along with timely application of approved insecticides once thresholds are reached is critical to control SCA and prevent significant yield losses.	
	9	8	8	9	6	5	6	Sc	16-17	M54GR24		
	7	7	7	5	5	4	6	N/A	13-14	M57GB35DT		
	7	8	8	5	6	3	Sc	Sc	14-16	M59GB57	N N	
	8	8	8	7	7	3	8	C, E	12-13	M59GB94		
	7	7	8	7	4	4	6	N/A	12-13	M60GB20DT		
	8	9	8	7	7	5	5	Sc	14-15	M60GB88		
7 lb								余	4 6		Z Z	

Medium-Early Days to Mid-bloom: 59 M59GB94 Bronze Grain Sorghum EARLY VIGOR

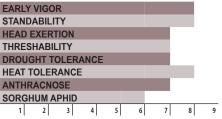


- Medium-early bronze colored hybrid with excellent sorghum aphid tolerance
- Adapted eastern Colorado, throughout Nebraska, Kansas and High Plains Texas
- Strong yield response for short season hybrid in both low input and irrigated environments
- Particularly good performance for a medium-early in Texas
- Medium plant height with good head exertion
- Leading shorter season hybrid with consistent, wide adaptability

Medium-Early M60GB20DT

Days to Mid-bloom: 60

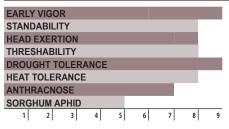
Bronze Grain Sorghum



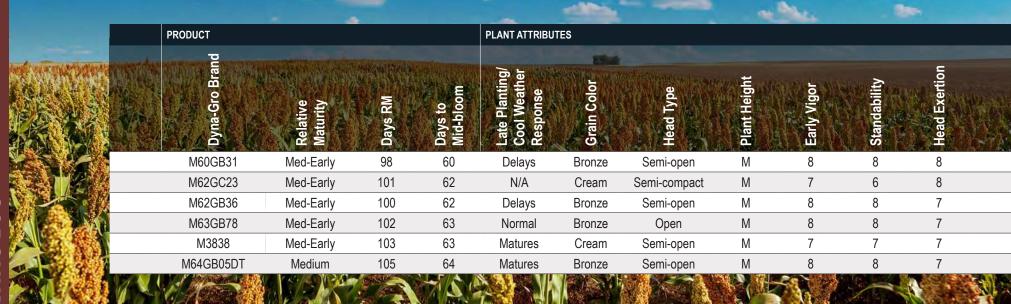


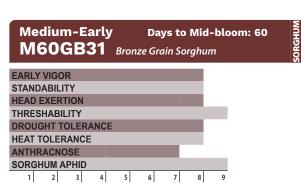
- Medium-early bronze grain with great yield potential
- Tolerant to FirstAct[™] herbicide for over the top grass weed control
- Excellent standability
- Excellent seedling vigor and emergence
- Susceptible to growth regulator herbicides

Medium-Early Days to Mid-bloom: 60 M60GB88 Bronze Grain Sorghum



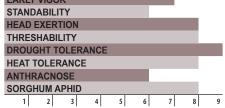
- Good drought tolerance and standability, excellent for dryland production
- Strong emergence in cool soils
- · Good resistance to downy mildew
- Good choice for areas where inputs are limited
- Adapted to most soil types and tillage systems
- · Limited tolerance to sugarcane aphids





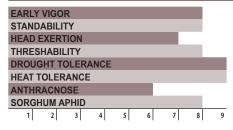
- All around sorghum leader: excellent yields with very uniform plants and eye appeal
- Medium plant height (average 42-48") with semi-open heads
- Very good test weight and grain quality
- Handles both moisture and heat stress
- Top multi-year yield leader since developed and introduced, adapts to environment
- Excellent tolerance to sorghum aphid





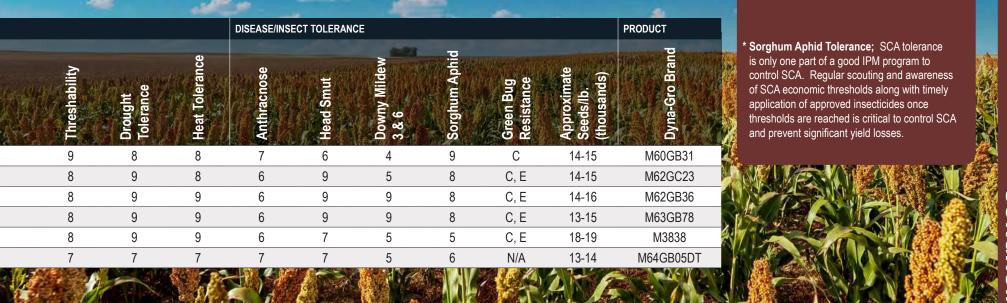
- Medium-early, cream colored grain with excellent sorghum aphid tolerance
- Well adapted for high stress environments of the west
- Strong low end yield performance and standability
- Adapted to High Plains Texas and throughout Kansas and Nebraska
- · Works in South Dakota at early to mid planting dates

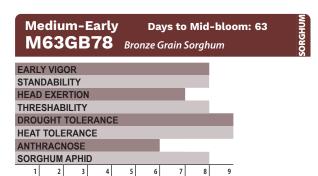




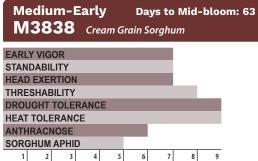
- Medium-early season bronze with excellent sorghum aphid tolerance
- Medium plant height (average 47-52") with semi-open heads
- Well suited for both high stress and high yield environments
- · Excellent stalk strength and highly tolerant to head smut
- Excellent heat and moisture stress tolerance, works great on tough dryland acres



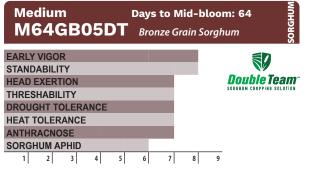




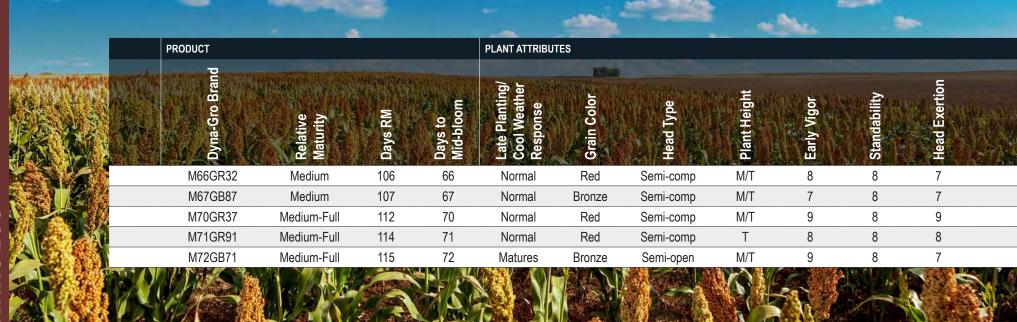
- Sorghum aphid tolerance and downy mildew resistance
- Well adapted to mid-level production environments from south Texas to the Plains
- Performs very well in the Coastal Bend and other regions where downy mildew is significant
- Provides an open head for weather tolerance and faster drydown
- 46-51" average plant height with excellent stalk and root strength
- Excellent head smut tolerance with very good head exertion

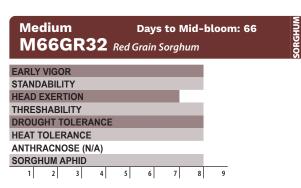


- Long time proven medium-early stress hybrid with cream colored grain
- Best adapted to dryland or areas with limited irrigation
- Semi-open head type that dries fast and allows for earlier harvesting
- Very good on high pH soils where iron chlorosis is a problem
- Sets the standard for dryland production, limited tolerance to sorghum aphid
- Because of its smaller seed size, monitor planting rates carefully



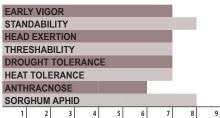
- Medium maturing hybrid with bronze grain
- High yielding for maturity
- Excellent cool soil germination and emergence
- · Good staygreen for great standability
- DT trait tolerates FirstAct™ herbicide for over the top grassy weed control





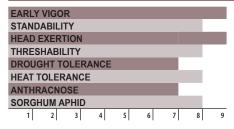
- Medium season red colored grain with excellent sorghum tolerance
- High yield performer with a uniform attractive appearance
- Versatile product that will outperform in high and low yield environments
- Positioned for high yielding acres with heavy head smut pressure like the Texas Upper Gulf Coast





- Excellent top yield in medium maturity genetics
- Downy mildew and sorghum aphid resistant
- · Very good head smut and Fusarium head blight tolerance
- Excellent standability in moderately tall hybrid
- Very good test weights and fast drydown with semi-compact head
- · Adapted south Texas, High Plains, and southern Kansas





- Medium-full, red colored hybrid with excellent sorghum aphid tolerance
- Strong top end yield performance, favorable to irrigation
- Adapted across medium to high yield environments in Texas and High Plains
- Excellent Fusarium head blight tolerance



		-16			100				
			DISEASE/INSE	ECT TOLERAN	CE				PRODUCT
Threshability	Drought Tolerance	Heat Tolerance	Anthracnose	Head Smut	Downy Mildew 3 & 6	Sorghum Aphid	Green Bug Resistance	Approximate Seeds/lb. (thousands)	Dyna-Gro Brand
8	8	8	N/A	8	4	8	C, E	13-14	M66GR32
7	7	7	6	8	8	8	C, E	13-14	M67GB87
8	7	8	7	7	4	8	C, E	12-13	M70GR37
7	7	8	7	7	4	8	C, E	15-16	M71GR91
9	7	8	7	6	4	8	C, E	14-16	M72GB71
	34.1						N YES		

* Sorghum Aphid Tolerance; SCA tolerance is only one part of a good IPM program to control SCA. Regular scouting and awareness of SCA economic thresholds along with timely application of approved insecticides once thresholds are reached is critical to control SCA and prevent significant yield losses.



Days to Mid-bloom: 71

EARLY VIGOR STANDABILITY **HEAD EXERTION THRESHABILITY** DROUGHT TOLERANCE **HEAT TOLERANCE ANTHRACNOSE SORGHUM APHID** 4 5 6 7

- Medium-full, red colored hybrid with excellent sorghum aphid tolerance
- Excellent top end yield and test weight
- Very good stalks and roots for a moderately tall hybrid, favorable to irrigation
- · A very good, uniform field color
- Fusarium head blight tolerance
- Adapted across medium to high yield environments

Medium-Full M72GB71 Bronze Grain Sorghum

Days to Mid-bloom: 72

EARLY VIGOR STANDABILITY

HEAD EXERTION THRESHABILITY

DROUGHT TOLERANCE

HEAT TOLERANCE

ANTHRACNOSE

SORGHUM APHID 1 2 3 4 5 6

- · Medium-full season bronze with excellent sorghum aphid tolerance
- · Good performance across geographies from Delta, to south Texas to central Kansas
- · Excellent roots and stalks with standability and very uniform field eye appeal
- Very high yield potential in irrigated or good dryland conditions
- Fusarium head blight tolerance with very good test weight
- Very good drought and heat tolerance





DYNAGRO. SEED

LEGEND

Dyna-Gro Seed is focused on bringing value to customers' farms by offering the best yielding, most consistent products available. Dyna-Gro continues to search out and evaluate new products and traits to meet the needs of our customers. Dyna-Gro Seed is bringing to market sunflower hybrids the meet the needs of both producers and the industry.

RATING SCALE:

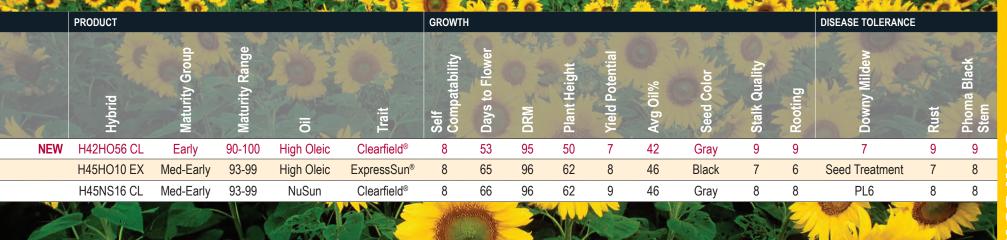
9 = Excellent

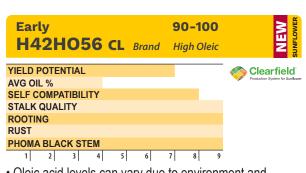
5 = Average

1 = Poor

N/A = Information Not Available

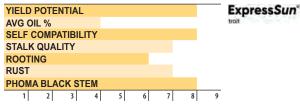
Actual ratings based on best current information available and may be affected by changing environmental and management conditions.





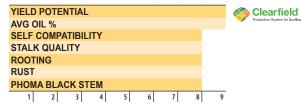
- Oleic acid levels can vary due to environment and proximity to non-high oleic hybrids
- Early season hybrid suited to North Dakota, north of I-94
- Short stature with very good disease tolerance
- Early maturing hybrid to beat the heat and birds
- Good oil potential and oleic values
- Oil content can vary with environmental conditions



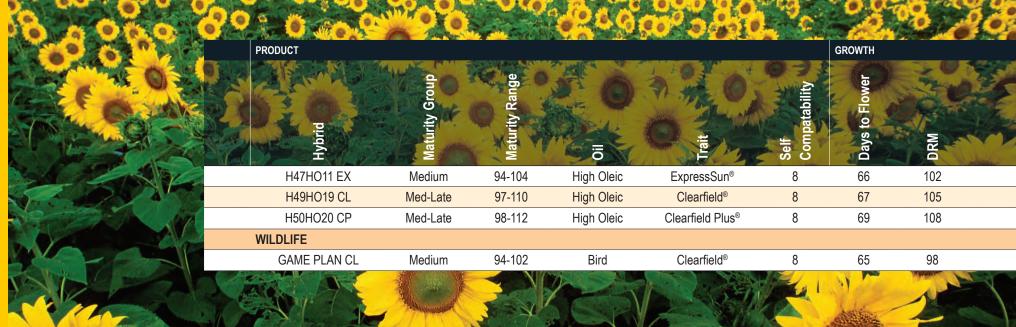


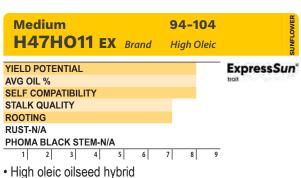
- High oleic and Express® herbicide tolerant
- Medium-early maturing hybrid well suited for North Dakota
- Very good emergence vigor and uniformity of flower
- Excellent oleic values and oil content, also suited for the bird seed market
- Plenaris® seed treatment applied for downy mildew protection
- Oil content can vary with environmental conditions
- Oleic acid levels can vary due to environment and proximity to non-high oleic hybrids

Medium-Early 93-99 H45NS16 CL Brand NuSun®

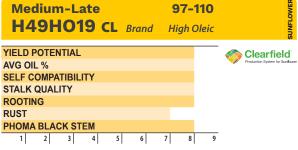


- · Relatively short plant height
- Medium-early hybrid, better for North Dakota, South Dakota, and Minnesota
- · Good yield potential for maturity
- Uniform
- Oil content can vary with environmental conditions

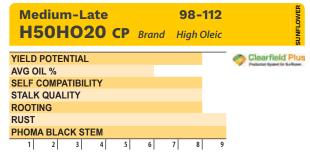




- Good disease tolerance
- Well suited to both dryland or irrigated situations
- · Good yield potential with good oleic values and oil content
- · Both oleic values and oil content can be influenced by environmental conditions
- · Well adapted to central and western growing regions of the Dakotas
- ExpressSun® herbicide trait

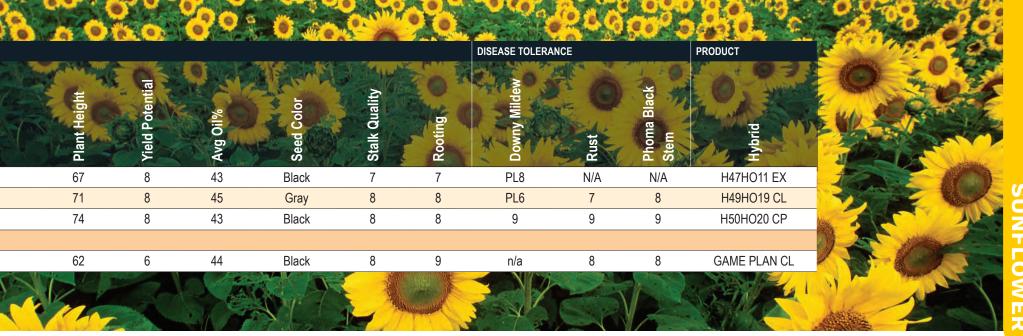


- Oleic acid levels can vary due to environment and proximity to non-high oleic hybrids
- · Medium-late maturing hybrid suited for North Dakota south of I-94 and southward to South Dakota, Colorado, Kansas and Texas
- Average plant height
- Excellent seed set
- · Oil content can vary with environmental conditions



- Clearfield Plus® herbicide trait
- Full season hybrid suited to areas from Texas to northern South Dakota and up to I-94
- · Very good disease tolerance
- · Very good oil potential and oleic values
- Suitable for all oil sunflower uses including high oleic oil to bird seed
- · Oil content of all sunflowers can vary with environmental conditions
- · Oleic acid levels can vary due to environment and proximity to non-high oleic hybrids





Medium		94-1	102		OWER
Game Plan CL	Brand		Bird		SUNFLOWER
YIELD POTENTIAL				Clearfi	elď
AVG OIL %				Production System	for Sunflow
SELF COMPATIBILITY					
STALK QUALITY					
ROOTING					
RUST					
PHOMA BLACK STEM					
1 2 3 4 5	6 7	8	9		
 Medium maturity with wice 	le rang	e of a	adap	tability	
 Shorter plant type 					
 Uniform appearance 					

- For conservation and wildlife food plots
- Scout for sunflower head moth, several insecticides are available to control this insect
- Wild game sunflowers are packaged in bags of 75,000 kernels





DYNASRO

SEED

LEGEND

RESISTANCE RATINGS:

R = Resistant

MR = Moderately Resistant

S = Susceptible

RATING SCALE:

EX = Excellent

VG = Very Good

G = Good

F = Fair

P = Poor

N/A = Information Not Available

Red = New

Important: Ratings are based on the average performance of a variety grown over a wide range of climate and soil types within its adapted maturity under normal growing conditions. Extreme conditions may adversely affect performance. Consult your local Dyna-Gro Representative for specific recommendations in your area. Copyright ©2025 Nutrien Ag Solutions®



Growers are always looking for ways to make their harvests more efficient and profitable. One exciting development is NTACT™ Technology, which allows growers to better take advantage of straight cutting by reducing preharvest seed loss.

Let's explore how NTACT™ Technology can transform the canola harvest experience.

Save time and reduce labor

Straight cutting, an increasingly popular method among farmers, eliminates the need for swathing, thereby saving time, labor, and fuel. By bypassing the swathing process, farmers can streamline their operations and reduce costs. Additionally, straight cutting minimizes seed loss caused by windrow movement in strong winds.

Minimize seed loss

A major challenge with straight cutting is pod integrity. When mature pods break open prematurely, it leads to seed loss. NTACT™

Technology addresses this issue by fortifying canola pods through selective breeding and biotechnological interventions. These advancements have strengthened the pod walls and increased their elasticity, resulting in improved pod integrity.

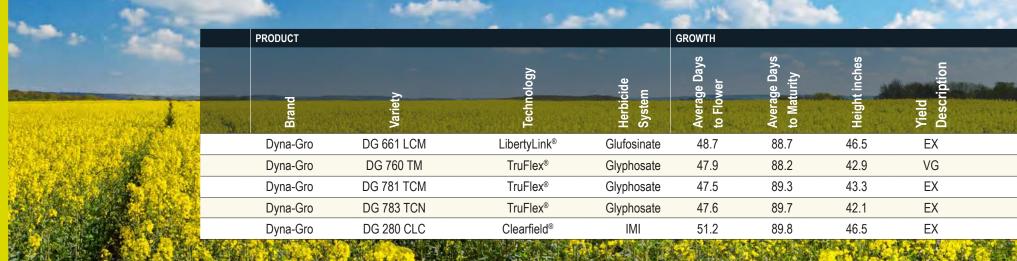
Enhance yield stability

NTACT™ Technology increase pod integrity, representing a breakthrough in canola genetics. Traditional canola varieties were prone to shatter loss, especially under adverse weather conditions during ripening. Dyna-Gro Seed's development of NTACT™ hybrids addresses this issue, allowing farmers to adopt straight cutting with confidence and ensure maximum seed retention.

Improve farm profitability

The combination of straight cutting and NTACT™ Technology offers a comprehensive solution to the challenges of canola harvesting. By simplifying the harvesting process and maximizing seed retention, this translates to improved farm profitability.

Combining NTACT™ Technology with straight cutting not only simplifies the harvesting process but also maximizes the benefits for growers, contributing to a more efficient and profitable agricultural practice.



DG 661 LCM Brand	CANOLA
MATURITY	LIBERTY
YIELD STABLILITY	LINK W
STANDABILITY RATING	
CABBAGE	
BLACKLEG	
CLUBROOT	
FUSARIUM WILT	
1 2 3 4 5 6 7 8 9	

Built to perform and ready to deliver, DG 661 LCM is your go to LibertyLink® hybrid for yield, reliability, and flexibility. With the high-end yield potential, harvest ease and multigenic clubroot resistance, this hybrid brings power to every acre.

HIGHLIGHTS

- High yield performance with mid-maturity
- Multigenic clubroot resistance for dependable defense
- Excellent harvest management and standability
- LibertyLink® herbicide system for proven weed control

DG 760 TM Brand	CANOLA
MATURITY	TruFleX
YIELD STABLILITY	CANOLA
STANDABILITY RATING	
CABBAGE	
BLACKLEG	
CLUBROOT	
FUSARIUM WILT	
1 2 3 4 5 6 7 8 9	
DG 760 TM leads the pack as our earliest	maturing

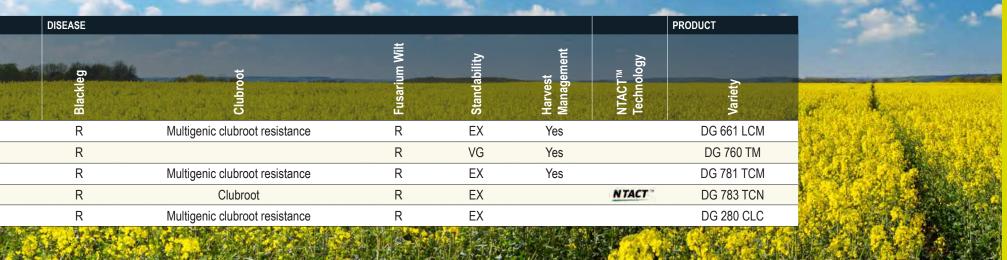
DG 760 TM leads the pack as our earliest maturing TruFlex® hybrid—perfect for growers looking to hit the ground running. It offers harvest flexibility with the option to straight cut or delay swathing, supported by strong agronomics and versatile herbicide timing. Fast to flower, fast to finish, and built to perform across a wide range of geographies.

HIGHLIGHTS

- Harvest management hybrid: straight cut or swath-ready
- TruFlex® technology for wider spray window and rate flexibility
- Strong fit across a broad range of growing zones





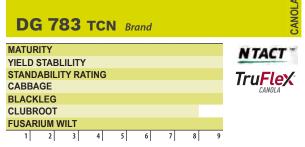


DG 781 TCM Brand	CANOLA
MATURITY	TruFleX
YIELD STABLILITY	CANOLA
STANDABILITY RATING	
CABBAGE	
BLACKLEG	
CLUBROOT	
FUSARIUM WILT	
1 2 3 4 5 6 7 8 9	

DG 781 TCM delivers consistent performance you can count on. With strong yield potential, mid maturity, and reliable harvest management, this hybrid is built for growers who want flexibility without compromise. Backed by multigenic clubroot resistance, enhanced blackleg protection, and TruFlex® herbicide system compatibility, DG 781 brings confidence to every acre.

HIGHLIGHTS

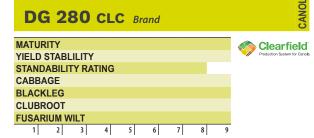
- · High yield potential with mid maturity
- Multigenic clubroot and major gene blackleg resistance
- TruFlex® technology for flexible application timing and rates
- Excellent standability and harvest flexibility—ideal for straight cut or delayed swath



Take your harvest to the next level with DG 783 TCN, our newest canola hybrid featuring NTACT™ Technology for dependable pod integrity and straight-cut confidence. This mid-season hybrid brings solid yield potential, strong agronomics, and clubroot resistance to keep your crop protected and performing.

HIGHLIGHTS

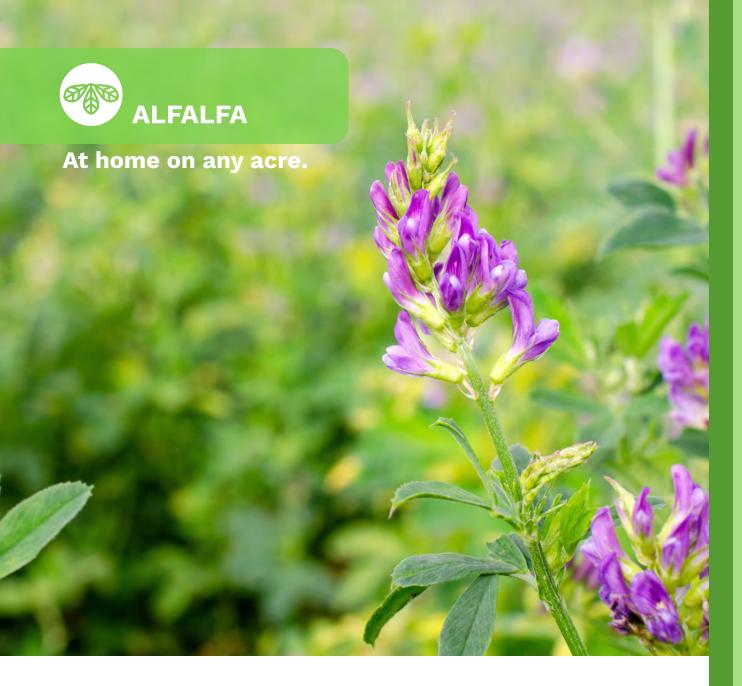
- · Mid maturity
- NTACT[™] Technology straight cut with confidence
- Clubroot resistant with enhanced blackleg resistance and protection
- Truflex® technology for flexibility in application rate and staging



Drive profit with the Clearfield® hybrid that delivers top-end yield and contract premium potential. DG 280 CLC pairs elite performance with strong agronomic protection, including multigenic clubroot resistance and excellent blackleg protection.

HIGHLIGHTS

- Exceptional yield potential
- Eligible for premium Clearfield® non-GMO contract programs
- · Excellent standability for ease of harvest
- Strong blackleg resistance



DYNAGRO

SEED

LEGEND

FALL DORMANCY: 1-9 Rating

Varieties with higher fall dormancy ratings tend to grow at a lower temperature. A higher dormancy begins to grow earlier in the spring and later into the fall, extending the growing season. Until recently, it was generally felt that fall dormancy rating was very closely correlated with winter hardiness. This relationship with modern varieties seems less dependable. For example, a variety with a "3" dormancy rating may not always have greater cold tolerance compared to one with "5" fall dormancy rating.

Rating	Dormancy Group	Normal # of Cuttings
1	Very Dormant	1-2
2, 3	Dormant	2-3
4, 5, 6	Moderate Dormancy	4-6
7, 8	Non-Dormant	7-8
9	Very Non-Dormant	8-9

WINTER HARDINESS:

- 1 = Very Hardy
- 2 = Hardy
- 3 = Moderately Hardy

PERSISTENCE INDEX:

- 9 = Most Persistent
- 1 = Least Persistent

CUTTING RECOVERY:

- 9 = Very Fast
- 1 = Very Slow

YIELD LEVEL AND FORAGE QUALITY:

- 9 = Excellent
- 1 = Poor

DISEASE RATING INDEX

Includes *Phytophthora* Root Rot, Bacterial Wilt, Anthracnose, *Verticillium* Wilt, *Fusarium* Wilt and Aphanomyces on a 30 point scale where a HR (Highly Resistant) rating of 5 for all six major diseases gives a perfect 30 out of 30 score.

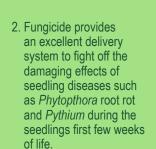
Raw versus Coated Seed in Alfalfa

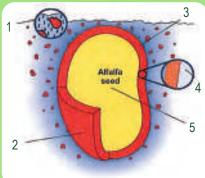
Understanding the value of coated alfalfa seed versus raw seed is significant, with the objective

of obtaining a long-lived highly productive stand. When the term raw seed is used, this is descriptive of truly raw seed treated with Apron XL® or another systemic fungicide, along with a suitable rhizobia inoculant. When we talk about coated seed, this description refers to an end product that has gone through a process where each seed is coated with a tough, durable and hygroscopic seed coating that protects and supports the live *rhizobium*. The coating is nearly dust free, providing improved seed handling, plantability and superior agronomic performance. Of the thousands of different strains of bacteria, only a few are efficient in doing this for a given plant, such as alfalfa or clover. Systemic fungicides, minerals and other ingredients may also be included. New seed coating enhancements will contain specially selected micro-nutrients and macro-nutrients that boost seedling establishment and crop production under difficult soil conditions. Seeding rate studies have shown that coated seed improves seedling establishment by 35% even when both raw and coated seed are planted at the same seeding rate per acre.

1. Miscellaneous or "mystery" strains of Rhizobium found in the soil create unpredictable root nodulation.

3. Coated seed is tough and durable. The hygroscopic seed coating that protects and supports the live *Rhizobium* is nearly dust free; it provides improved seed handling, plantability and superior agronomic performance.





4. The survivability of the beneficial live *Rhizobium* is superior to other seed coatings and inoculation processes.

5. The seeding rate for coated seed is the same as non-coated seed. Coated seed provides better stand establishment because more seeds survive becoming healthy, vigorous growing plants.

DISEASE RATINGS:

HR = Highly Resistant or greater than 50% resistant plants

R = Resistant or 31-50% resistant plants

MR = Moderately Resistant or 15-30% resistant plants

LR = Low Resistance or 6-14% resistant plants

S = Susceptible

FEED VALUE:

RFV = Relative Feed Value





FD 3.0 TMA 310 Brand

RECOVERY AFTER HARVEST
PERSISTENCE INDEX
FORAGE QUALITY
APHANOMYCES
PHYTOPHTHORA ROOT ROT
ANTHRACNOSE
VERTICILLIUM WILT
FUSARIUM WILT
BACTERIAL WILT
1 2 3 4 5 6 7 8 9

- Selected for its versatility in a wide range of northern growing conditions
- Excellent choice for shorter stand rotations at a reduced seeding cost
- Combines high forage yields with strong winter hardiness
- Very high forage quality

FD 4.0 TMA 420LH Brand

RECOVERY AFTER HARVEST
PERSISTENCE INDEX
FORAGE QUALITY
APHANOMYCES
PHYTOPHTHORA ROOT ROT
ANTHRACNOSE
VERTICILLIUM WILT
FUSARIUM WILT
BACTERIAL WILT
1 2 3 4 5 6 7 8 9

- High yielding potato leafhopper alfalfa bred for Midwest and northern growing areas
- Yield trials show strongest performance in the first and second production years
- High expression of the multifoliate for high feed value forage
- Highest disease index rating available with 30 out of total 30 possible score
- Plant for potato leafhopper resistance, disease resistance and high quality forage

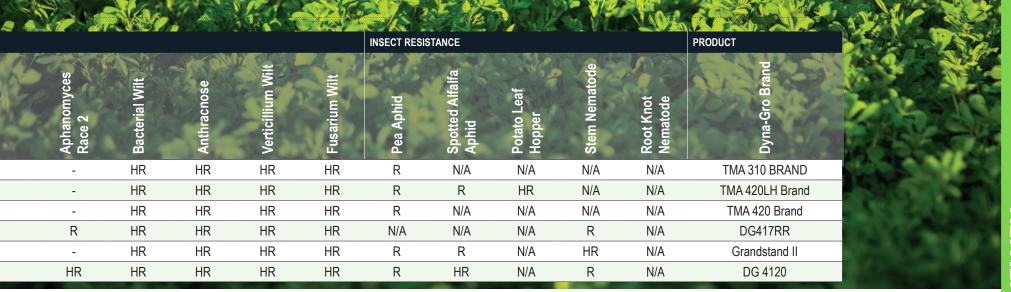
FD 4.0 TMA 420

TMA 420 Brand

RECOVERY AFTER HARVEST
PERSISTENCE INDEX
FORAGE QUALITY
APHANOMYCES
PHYTOPHTHORA ROOT ROT
ANTHRACNOSE
VERTICILLIUM WILT
FUSARIUM WILT
BACTERIAL WILT
1 2 3 4 5 6 7 8 9

- Will generate plenty of residual nitrogen for corn, potatoes or other crops to follow
- · Healthy, fast growing alfalfa
- Combines high tonnage and strong winter hardiness
- Represents a breakthrough in production of high quality forage throughout the dormancy 4 maturity zone





FD 4.0 DG 417RR

RECOVERY AFTER HARVEST
PERSISTENCE INDEX
FORAGE QUALITY
APHANOMYCES
PHYTOPHTHORA ROOT ROT
ANTHRACNOSE
VERTICILLIUM WILT
FUSARIUM WILT
BACTERIAL WILT
1 2 3 4 5 6 7 8 9



- Roundup Ready® alfalfa which combines high tonnage, disease resistance and high feed values
- Top score of 30 out of 30 on disease resistance index along with stem nematode and Aphanomyces Race 2 resistance
- Fewer weeds in every bale resulting in better quality feed and longer stand life fields
- New generation of alfalfa that combines later fall dormancy and excellent winter hardiness
- Improved stand establishment with Roundup Ready® weed control produces higher quality hay
- Fast recovery after cutting, excellent forage yields with high RFVs

FD 4.1 **GRANDSTAND II**

RECOVERY AFTER HARVEST
PERSISTENCE INDEX
FORAGE QUALITY
APHANOMYCES
PHYTOPHTHORA ROOT ROT
ANTHRACNOSE
VERTICILLIUM WILT
FUSARIUM WILT
BACTERIAL WILT
1 2 3 4 5 6 7 8 9

- Newer version of Grandstand with top yield potential in western growing areas
- Outstanding multifoliate expression produces high feed values
- Plant for top yields, high quality and long stand life
- Adapted to intense cutting schedules with fast recovery after cuttings
- Disease rating index excellent at 30 out of potential 30 and high resistance to stem nematode

FD 4.4 DG 4120

RECOVERY AFTER HARVEST
PERSISTENCE INDEX
FORAGE QUALITY
APHANOMYCES
APHANOMYCES RACE 2
PHYTOPHTHORA ROOT ROT
ANTHRACNOSE
VERTICILLIUM WILT
FUSARIUM WILT
BACTERIAL WILT
1 2 3 4 5 6 7 8 9

- Newer genetics that combines high-end tonnage yields with excellent winter hardiness
- Brings added disease tolerance with high resistance to Aphanomyces Race 2 and Race 3
- Significantly more winter hardy than other commercial varieties of this dormancy
- Multiple pest resistance with very fast recovery after cutting
- High multifoliate leaf expression and dark green in color produces high feed values
- Plant across Midwest and North for high quality, long stand life, intense management and high yields



IMPORTANT: Ratings are based on the average performance of a variety grown over a wide range of climate and soil types within its adapted maturity under normal growing conditions. Extreme conditions may adversely affect performance. Consult your local Dyna-Gro Seed Crop Consultant for specific recommendations in your area.



DG245L Brand

RICE

- Semi-dwarf, early maturing, long-grain variety
- Exceptional milling yields and grain quality
- Medium plant height and great stalk strength for lodging resistance and storm tolerance
- Very stable yields over five years of research
- Excellent ratoon crop potential
- Intermediate gel temperature and intermediate amylose content



DG263L Brand

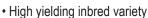
- High yielding long grain variety with excellent quality
- Excellent disease package including blast and smuts
- Plant height and stalk strength for lodging resistance and storm tolerance
- Proven field performance
- Uniform grain size and very good miller
- Lower seeding rates than most varieties

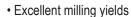
DG353M Brand

RICE

- High yielding medium grain variety with excellent quality
- Uniform grain size and very good miller
- · Great standability and favorable plant height
- Very stable yields over four years of research
- Lower seeding rate than other conventional medium grain inbreds







RICE

- Reduced seeding rates
- Uniform grain size
- Intermediate gel temperature and intermediate amylose content

DG563PVL Brand



RICE



Financing that gets farming.

CROP INPUT FINANCING SUPPORT THAT MEETS YOU WHERE YOU ARE.

DON'T WORRY, WE'LL BRING OUR BOOTS.



SCAN, OR CLICK, THE QR TO DISCOVER FINANCING OPTIONS TODAY!



A Great Partner with Dyna-Gro® Seed
Loveland Products, Inc.® offers a complete line of high performance input products that make a great partner with our Dyna-Gro seed offerings. Our portfolio of seed treatment, plant nutrition, fertilizer, adjuvant and crop protection products are second to none. We are constantly striving to bring new, unique chemistries to the marketplace to provide innovative solutions to problems across the agricultural industry.

The combination of high performance, high quality, competitively priced products, with the knowledge and service of our team, makes Loveland Products a good value for any operation.

M Plant Nutrition

PRODUCT	FEATURES AND BENEFITS	NUTRIENT ANALYSIS
ACCOMPLISH MAX™	ACCOMPLISH MAX combines a proprietary biocatalyst for increased nutrient availability with natural marine-based technology to improve crop tolerance to abiotic stresses like cold temperatures and salinity from applied fertilizers.	
AWAKEN®	Multi-micronutrient blend particularly effective at providing the plant with the essential nutrients needed to help overcome stressful situations while addressing micronutrient deficiencies.	16-0-2 w/Micronutrient Package
±BLACK LABEL® Zn	Phosphate fertilizer built with C2 Technology - to provide sound, efficient and immediately available phosphate-based nutrition with zinc.	6-20-0-0.77 Zn w/7.1% Organic Acid
±BLACKMAX® 22	Powered by C2 Technology, BLACKMAX 22 is a highly concentrated soil amendment that increases fertilizer efficiency.	
BLACKMAX WSG	BLACKMAX WSG brings the grower benefits of BLACKMAX 22 liquid into the convenience of a dry granule.	0-0-8
EXTRACT	A proprietary blend of proven fertilizer biocatalysts - ACCOMPLISH® LM and ammonium thiosulfate, designed to help growers manage crop residue easily and effectively while increasing release of nutrients from that residue.	6-0-0-13\$
FULLBACK®	Magnesium acetate formulation for maximum uptake.	6% Magnesium
±LEVITATE®	A proprietary starter fertilizer formulated with a blend of proven fertilizer biocatalyst – ACCOMPLISH LM as well as ACA® Technology, fulvic acids and EDTA chelated Zinc.	5-15-5 1.5Zn
LOKOMOTIVE®	Proven as a sound and efficient foliar potassium. LOKOMOTIVE's formulation is designed to get potassium into the plant quicker and more efficiently, for an optimized approach to potassium nutrition.	2-0-25 (Potassium Acetate)
MAXIMUM N-PACT®	An enhanced slow release nitrogen which provides a stable source of foliar nitrogen for increased uptake, translocation and assimilation of nitrogen with excellent crop safety and increased stress tolerance.	24-0-0 Triazone Nitrogen
MAXIMUM N-PACT® K	An enhanced slow release nitrogen balanced with potassium for increased uptake, translocation and utilization of nitrogen and potassium, with excellent crop safety and increased stress tolerance.	12-0-12
N-FINITY™	A combination of soil amending microbes designed to improve nitrogen use efficiency through direct nitrogen fixation, recruitment of nitrogen fixers and liberation of organic nitrogen in the soil.	
NITRAIN EXPRESS® 2.0	A proprietary product containing a unique mix of NBPT and fertilizer biocatalyst technology similar to that found in ACCOMPLISH LM.	
NITRAIN BULLET™	Nitrogen stabilizer compatible with anhydrous and UAN that protects plant-available ammonium from losses to the environment and maximizes the amount of nitrogen available for crop uptake.	
N-PACT®	Triazone slow release nitrogen which provides increased foliar nitrogen uptake and translocation, reduced volatility and excellent crop safety.	26-0-0 w/33% SRN

Plant Nutrition (continued)

PRODUCT	FEATURES AND BENEFITS	NUTRIENT ANALYSIS
NUTRISYNC® BRANDS	A unique line of foliar applied micronutrients, NUTRISYNC technology helps Load, Haul, and Deliver nutrition to areas of need driving crop productivity throughout the season.	
PROLOGUE®	PROLOGUE is designed to increase the efficiency of existing and applied phosphate for a higher performing and more sustainable approach to nutrition.	5-0-0 6.3Zn
QUICK ULTRA™ + AWAKEN®	A dual source of phosphates containing an enriched micronutrient package in the highly available EDTA/HEDTA forms.	7-28-4 w/Micronutrient Package
±RADIATE®	A high quality, consistent-performing plant growth regulator containing IBA and Kinetin. Radiate is designed to increase early season plant vigor and improve overall plant health leading to increased yield potential.	Contains (IBA), Cytokinin, as Kinetin
RADIATE NEXT™	RADIATE NEXT is a foliar-applied plant growth hormone solution that drives root growth and development and improves water use efficiency, while increasing photosynthetic rate to increase energy production and realize higher yields.	Contains: IBA (Indole-3-butyric Acid), Kinetin, GABA (gamma-Aminobutyric Acid), Choline Chloride
REBAR® 3	REBAR 3 is the only liquid in-furrow Iron with EDDHA and EDDHSA chelation to extend availability in severe alkaline soils to correct iron chlorosis issues in affected crops.	3% Fe
REAX™ BRANDS	Powered by C2 Technology, the REAX family of nutrients are built with extracted and reacted carbon and carbohydrates. This unique platform overcomes limiting factors in the soil for a more sustainable approach to plant nutrition and soil health.	
RISER®	Pop-up fertilizer designed to increase seedling vigor and root mass for optimum yield potential.	7-17-3 w/Micronutrient Package
TASK FORCE® 3D	A fully formulated foliar nutrition tool designed to help support flower set, bloom retention, and to promote fill of pods and fruit supporting your yield and quality goals.	11-8-5 w/Micro Package
TERRAMAR™	TERRAMAR is a proprietary bio-extraction of seaweed and leonardite, designed to increase nutrient uptake, enhance CEC and chelation. By delivering unique metabolic compounds TERRAMAR enhances microbial activity in the rhizosphere, and improves plant response to stressful conditions.	
*TITAN® XC	A biochemical fertilizer catalyst (biocatalyst) - specifically formulated for impregnation on dry fertilizer blends.	



Seed Treatment

PRODUCT	CATEGORY	CROP (Reference Labels For Additional Crops)	ACTIVE INGREDIENT(S)	
AWAKEN COFLOW®	Nutritional + Seed Polymer	Corn	Ammonium Acetate Zn + Micronutrients + Polymer	
AWAKEN FLOWBOOST™	Nutritional + Seed Lubricant	Soybean, Corn, Wheat, Cotton, Sorghum, Sunflower, Canola, Rice	Lubricant Base + Micronutrients	
AWAKEN MARI-SEED	Nutritional	Cotton, Wheat, Sorghum, Rice, Soybean	Micronutrients + MBT Technology	
AWAKEN® ST	Nutritional	Cotton, Wheat, Sorghum, Rice	Ammonium Acetate Zn + Micronutrients	
CONSENSUS®	PGR (Plant Growth Regulator)	Soybean, Corn, Wheat, Cotton, Sorghum, Sunflower, Canola, Rice	IBA + Salicylic Acid + Chitosan	
DYNA-SHIELD CONQUEST®	Fungicide + Insecticide	Soybean	Metalaxyl + Thiophanate-Methyl + Imidacloprid + Fludioxonil	
DYNA-SHIELD FLOWTECTION®	Seed Polymer	Soybean, Corn, Wheat	Polymer	
DYNA-SHIELD® FLUDIOXONIL	Fungicide	Soybean, Corn, Wheat, Cotton, Sorghum, Sunflower, Canola, Rice	Fludioxonil	
DYNA-SHIELD® FM	Fungicide	Soybean, Corn, Wheat, Cotton, Sorghum, Sunflower, Canola, Rice	Fludioxonil + Imidacloprid	
DYNA-SHIELD® FOOTHOLD® PROFOUND	Fungicide	Wheat	Metalaxyl + Tebuconazole + Fludioxonil	
±DYNA-SHIELD® FOOTHOLD® VIROCK®	Fungicide + Insecticide	Wheat	Metalaxyl + Tebuconazole + Fludioxonil + Imidacloprid	
DYNA-SHIELD® IMIDACLOPRID	Insecticide	Soybean, Corn, Wheat, Cotton, Sorghum, Sunflower, Canola, Rice	Imidacloprid	
DYNA-SHIELD® METALAXYL 318FS	Fungicide	Soybean, Corn, Wheat, Cotton, Sorghum, Sunflower, Canola, Rice	Metalaxyl	
DYNA-START® 3P+	PGR + Inoculant + Biological Fungicide	Soybean	IBA + Salicylic Acid + Chitosan + Rhizobium Inoculant + Biological Fungicide	
DYNA-START® X2 PEANUT	Inoculant	Peanut	Rhizobium Inoculant	
±EQUITY VAYO®	Fungicide + Insecticide	Soybean	Mefenoxam + Fludioxonil + Sedaxane + Thiabendazole + Picarbutrazox + Thiamethoxam	

Adjuvants

PRODUCT	CATEGORY	FEATURES AND BENEFITS	
CHOICE® TRIO	Water Conditioner	A liquid water conditioner with NO AMS; 3 water conditioning components - sequestering, synthetic chelating, and complexing.	
COMPADRE®	Leci-Tech®	Designed to improve coverage of pesticides by reducing drift and optimizing droplet size. COMPADRE also contains anti/defoaming properties.	
FRANCHISE CO-PILOT	Leci-Tech®	Premium NPE-free surfactant specifically formulated for aerial applications to increase droplet deposition while minimizing variability in performance.	
HERBIMAX®	Crop Oil Concentrate	A multi-component oil/surfactant containing premium emulsifiers which provide exceptional penetration.	
INFUSE®	Soil Adjuvant	A proprietary vegetable oil-based soil-applied surfactant designed to hold soil applied chemistry in the targeted areas longer.	
LI 700®	Leci-Tech®	Multipurpose adjuvant with drift reduction, droplet retention, penetration, acidifier and low foaming vs a conventional NIS.	
LIBERATE®	Leci-Tech®	Multipurpose adjuvant with a neutral pH ideally used with sulfonyl urea & other pesticides that require a neutral pH and higher.	
MISSILE	Leci-Tech®	Built specifically for Enlist tank mixes and featuring our industry leading MSO CONCENTRATE WITH LECI-TECH and a robust water conditioning package.	
MSO® CONCENTRATE WITH LECI-TECH®	Methylated Seed Oil	Highest quality MSO with the additional benefits of Leci-Tech technology providing drift control and improved crop safety.	
REFORM	Synergist	An insecticide synergist designed specifically to work with pyrethroids to provide greater insect control.	
±STRIKE FORCE®	Leci-Tech®	Drift reduction, droplet retention, penetration, water conditioner with no AMS, defoamer, bulk handling capabilities	
VADER®	Leci-Tech®	A unique, proprietary adjuvant designed to aid in the delivery and deposition of insecticidal (ex. imidacloprid) sprays powered by LECI-TECH chemistry.	
WEATHER GARD COMPLETE	Leci-Tech®	Premium adjuvant partner for glyphosate which includes water conditioner, defoamer and all the additional benefits from Leci-Tech.	





PRODUCT	CATEGORY	ACTIVE INGREDIENT(S)	ADJUVANT RECOMMENDATION	RESTRICTED USE PESTICIDE
CLEAN AMINE®	Herbicide	Clear 4# Amine with low odor	LI 700® or LIBERATE®	No
±COLT® AS	Herbicide	Fluroxypyr + Clopyralid	LI 700 or LIBERATE	No
±COLT® + SALVO®	Herbicide	Fluroxypyr + 2,4/D Ester	LI 700 or LIBERATE	No
±COLT® + SWORD®	Herbicide	Fluroxypyr + MCPA	LI 700 or LIBERATE	No
FORTITRI	Herbicide	Saflufenacil, Dimethenamid, Pyroxasulfone	LI 700 or LIBERATE	No
±HAT TRICK®	Herbicide	Fluroxypyr + Clopyralid + MCPA	LI 700	No
INTENSITY ONE®	Herbicide	Clethodim with Leci-Tech	MSO® CONCENTRATE WITH LECI-TECH®	No
±INTIMIDATOR®	Herbicide	S-Metolachlor + Fomasafen + Metribuzin	INFUSE®, LIBERATE, or LI 700	No
INVERTID®2F	Insecticide	Methoxyfenozide with Leci-Tech	LI 700 or VALID®	No
MAGISTRATE®	Fungicide	Prothioconazole + Trifloxystrobin + Azoxystrobin	FRANCHISE CO-PILOT	No
MAKAZE®	Herbicide	Loaded Glyphosate with Leci-Tech	WEATHER GARD COMPLETE	No
MAKAZE K	Herbicide	Potassium Salt Glyphosate + Leci-Tech	LIBERATE OR LI 700 + CHOICE TRIO	No
±MATADOR-S	Herbicide	S-Metolachlor + Metribuzin + Imazethapyr	INFUSE, LIBERATE, or LI 700	No
MONGOOSE®	Herbicide	Lactofen	LI 700	No
±POTENZA®	PGR	Mepiquat + IBA + Kinetin	LI 700	No
PROTOCOL®	Fungicide	Thiophanate-methyl + Propiconazole	LIBERATE	No
REAPER® CLEARFORM®	Insecticide	Low VOC Abamectin	LI 700	Yes
SABER [®]	Herbicide	Glycol based 4# Amine	CHOICE WEATHER MASTER	No
±SALVO®	Herbicide	Premium 2,4/D Ester	LI 700 or LIBERATE	No
SATORI®	Fungicide	Azoxystrobin with Leci-Tech	LIBERATE or FRANCHISE CO-PILOT	No
±SNIPER® LFR	Insecticide	Bifenthrin with Liquid Fertilizer Ready	LI 700	Yes
SNIPER HELIOS®	Insecticide	Bifenthrin with Helios	LI 700 or LIBERATE	Yes
SWAGGER®	Insecticide	Bifenthrin + Imidacloprid	VADER®	Yes
±SWORD®	Herbicide	Concentrated MCPA	LI 700 or LIBERATE	No
TOMBSTONE® HELIOS®	Insecticide	Cyfluthrin with Helios	LI 700	Yes
TOP GUN®	Herbicide	Fomesafen	LIBERATE	No
TRIBAL™	Herbicide	S-Metolachlor + Metribuzin + Sulfentrazone	INFUSE, LIBERATE, or LI 700	No
WHITEOUT®	Herbicide	Solventless Ester	LI 700 or LIBERATE	No

[±] This product is not approved in CA or intended to be used CA with a pesticide product or pesticide spray mixture and cannot be used as a spray adjuvant. *Not registered in Arkansas.

Always read and follow label directions. Some plant nutrition and crop protection products may not be registered for sale or use in all states. Please check with your state agency to ensure registration status.

Assessing Crop Stands

As your crops emerge, evaluating the stand is important to identify problems from planting, insects, or disease. Evaluating your stands early can help you identify concerns while there may be time to remedy them.

Three common methods for taking stand counts are outlined below. The 1/1000th acre method is widely used for corn and wide-row soybeans. A more accurate method is the wheel method, which counts 150 plants and measures the distance from start to finish with a measuring wheel. The hoop method is often used for drilled beans.

When evaluating a corn or soybean stand, only count plants that have a good chance of survival. Keep in mind that while corn plant populations are a critical component of yield, soybean plants are better able to compensate for low plant populations.

Source: Purdue Corn & Soybean Field Guide.

1/1000th Acre Method

For Rows

Count the number of plants in a length of row equal to 1/1000th of an acre based on row width (Table 1). Multiply the number of plants by 1,000 to get plants per acre. Repeat the process in several locations in the field.

Table 1. Stand count evaluation for 1/1000th acre based on row width and number of plants in a given row length.

able 1. 1/1000th Acre Method			
Row Width (inches)	Row Length 1/1,000th acre (feet, inches)		
7	74′8″		
10	52′3″		
15	34′10″		
20	26′2″		
22	23′10″		
30	17′5″		
36	14′6″		
38	13′10″		
40	13'1"		

Wheel Method

For Drilled Crops

Count 150 plants and measure the distance from start to finish with a measuring wheel. Divide the number of feet traveled into the appropriate factor in Table 2 to determine plant population. For example, if you walked 94 feet while counting 150 plants in 30-inch rows, the population is $2,613,600 \div 94 = 27,804$ plants per acre.

Table 2. Stand count evaluation factors, by row width, for measuring the distance when counting 150 plants.

Table 2. Wheel Method			
Row Width (inches)	Factor		
20	3,920,400		
30	2,613,600		
36	2,178,000		
38	2,063,350		

Hoop Method

For Drilled Crops

Measure the diameter of the hoop, toss it in the field, and count the number of plants inside the hoop. Do this in at least 5 locations in the field. Multiply the average number of plants by the appropriate factor listed in Table 3 to get the number of plants per acre. Notice that having a diameter of 28 ¼" allows you to simply multiply by 10,000 to obtain the number of plants per acre. This size of hoop can be made by cutting anhydrous tubing to 88 \(^3\)4 inches and joining it to form a circle.

Table 3. Stand count evaluation factors, by hoop diameter, for determining soybean plant populations using the hoop method.

Table 3 Hoop Method			
Diameter of Hoop (inches)	Factor		
18	24,662		
21	18,119		
24	13,872		
27	10,961		
28 1⁄4	10,000		
30	8,878		
33	7,337		
36	6,165		

Water Requirements

Normal days to maturity and water requirements between various stages of growth and maturity

State of	Avg. Days to	Water Use to
Growth	Maturity	Maturity
CORN		
Planting	125	22.0"
Blister	45	10.5"
Dough	34	7.5"
Full Dent	13	2.5"
Mature	0	0.0"
SOYBEANS		
Full Pod	42	11.0"
Beginning Fill	31	7.5"
Full Pod Fill	18	3.5"
Maturity	0	0.0"
GRAIN SORGHUM		
Half Bloom	34	9.0"
Soft Dough	23	5.0"
Hard Dough	12	2.0"
Mature	0	0.0"

Individual results may vary, and performance may vary from location to location and from year to year. This result may not be an indicator of results you may obtain as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible. Dyna-Gro® is a registered trademark of Loveland Products, Inc. Featured logos are service/trademarks of their respective owners.



Seeds Per Acre, Row Width Chart

Approximate number of seeds/plants per acre at varying row widths and spacing in the row

Seed Spacing in the Row	# Seeds/ Plants in One Foot	# of Seed / Plants per Acre by Row Width				
(in.)	Row		R	low Width (in	.)	
		7	14	20	24	28
1	12.0	896,000	448,000	314,000	261,000	224,000
1.5	8.0	598,000	299,000	209,000	174,000	149,000
2	6.0	448,000	224,000	155,000	131,000	112,000
3	4.0	298,000	149,300	104,000	87,100	74,800
4	3.0	224,000	112,000	78,400	65,300	56,000
5	2.4	179,000	89,600	62,700	52,300	44,900
6	2.0	149,000	74,700	52,400	43,600	37,300
7	1.7	217,000	63,500	44,400	37,000	31,700
8	1.5	112,000	56,000	39,100	32,700	28,000
9	1.3	99,300	49,700	34,800	29,000	24,800
10	1.2	89,600	44,800	31,400	26,100	22,400
11	1.1	81,400	40,700	28,500	23,700	20,400
12	1.0	74,700	37,300	26,100	21,800	18,700

Seed Spacing in the Row	# Seeds/ Plants in One Foot	# of Seed / Plants per Acre by Row Width					
(in.)	Row		R	low Width (in	.)		
		30	32	36	38	40	
1	12.0	209,000	196,000	174,000	165,000	157,000	
1.5	8.0	139,000	131,000	116,100	110,000	104,000	
2	6.0	104,000	98,000	87,100	82,500	78,400	
3	4.0	69,700	65,400	58,000	55,000	52,300	
4	3.0	52,200	49,000	43,500	41,300	39,200	
5	2.4	41,800	39,200	34,800	33,000	31,400	
6	2.0	34,800	32,700	29,000	27,500	26,100	
7	1.7	29,600	27,800	24,700	23,400	22,200	
8	1.5	26,100	24,500	21,800	20,600	19,600	
9	1.3	23,100	21,700	19,300	18,300	17,400	
10	1.2	20,900	19,600	17,400	16,500	15,700	
11	1.1	19,000	17,800	15,800	15,000	14,300	
12	1.0	17,400	16,300	14,500	13,800	13,100	

Basic Seeding Rates

*Average Seeding Rates, Weight per Bushel, Seeds per Pound

Сгор	Weight per Bushel	Avg. # Seeds per lb.	Avg. Seeding Rate per Acre (lb.)	Avg. Seeding Rate Seeds / acre	# Seeds
Corn - good moisture	56.0	1,400	23	32,200	1.8 /foot 30" row
Corn - dryland	56.0	1,400	14	19,600	1.3 /foot 36" row
Soybeans 30" row	60.0	2,800	60	165,000	9.4 /foot row
10" row	60.0	2,800	56	185,000	3.4 /foot row
20" row	60.0	2,800	56	185,000	7.1 /foot row
36" row	60.0	2,800	56	165,000	11.3 /foot row
Alfalfa - straight seeded	60.0	199,000	18-22	3,582,000	82.2 /sq ft.
Alfalfa - w cover crop	60.0	199,000	12-15	2,786,000	64.0 /sq ft.
Cotton - 38" row	32.0	5,500	8-9	45,000	3.4 /foot row
Cotton - 30" row	32.0	5,500	9-11	55,000	3.1 /foot row
Wheat - hard red spring	60.0	14,300	60-120	85,800-1,716,000	17.5-40 /sq ft.
Wheat - hard red winter	60.0	14,500	75	1,087,500	25 /sq ft.
Wheat - soft red winter	60.0	13,500	125-150	1,500,000- 2,000,000	35-46/sq ft.
Oats	32.0	15,500	80	1,240,000	28.5 /sq ft.
Sorghum Grain - good moisture	56.0	17,000	8-10	170,000	9-10 /foot row
Sorghum Grain - dryland	56.0	17,000	4-6	85,000	4-5 /foot row
Sorghum Forage - 30" row	50.0	25,000	8-12	250,000	5-6 /sq ft.
Sudangrass Sorghum - 7" row	40.0	19,000 -22,000	25-40	1,512,500	38 /sq ft.
Canola - spring	60.0	142,400	5-6	783,200	18 /sq ft.
Canola - winter	60.0	156,960	5-6	863,280	20 /sq ft.
Red Clover - straight seeded	60.0	252,000	8-10	2,268,000	50 /sq ft.
Sweet Clover	60.0	250,000	12-15	3,375,000	75-80 /sq ft.
Millet - foxtail	48.0	218,000	15	3,270,000	73-76 /sq ft.
Proso	56.0	65,000	20	1,300,000	30 /sq ft.
Orchardgrass	14.0	590,000	14	7,965,000	180 /sq ft.
Kentucky Bluegrass	14.0-28.0	2,200,000	15-25	44,000,000	1000 /sq ft.
Fescue - tall	24.0	225,000	15	3,375,000	75-80 /sq ft.
Fescue - red or creeping	15.0-40.0	545,000	20-30	12,262,500	280-300 /sq ft.

^{*}Seeding rates will vary by geography, field, and management practices

Individual results may vary, and performance may vary from location to location and from year to year. This result may not be an indicator of results you may obtain as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible. Dyna-Gro® is a registered trademark of Loveland Products, Inc. Featured logos are service/trademarks of their respective owners.

Replant Decisions

Corn

Replant decisions are never easy and are ultimately determined by which decision provides the greatest net income.

Each field will have its own set of circumstances that will influence the decision. Assessment of remaining stand and potential replant date will be critical.

For various reasons -- weather, soil, crusting, insects, or diseases -poor crop stands sometimes occur, requiring a replant decision. The issue is whether a late-planted crop at a non-quaranteed population level will produce a higher net income than an early-planted, less than desired stand.

Once again, stand assessment will be important to determine if the damage will be economic. Young corn plants (<V5 stage of development) can tolerate significant leaf damage and loss and yet remain viable and produce new leaves. This is because the growing point remains below the soil surface until approximately the V6 stage.

However, flooded areas in fields also may cause stand losses. Small corn plants are not tolerant of flooding and may succumb to this condition in one to three days. Warm, sunny days may accelerate these losses. Soybeans show slightly better tolerance to flooding but still will not tolerate this condition very long.

There is a decided yield penalty for delayed planting. The tables below can be used for general replant guidelines with the most recent data on stand levels and planting dates. Although growing season, location, hybrid and other factors may cause some variation in the data, the information in the table will serve as a good starting point for making replant decisions.

Attempts to "thicken" stands by inter-seeding directly into an existing stand generally result in additional complications. Larger plants compete strongly for space, water and nutrients and complicate subsequent management decisions.

Thus, it is always recommended to completely destroy the original stand and start over if a replant is warranted. If the original stand is adequate, leave it alone and be willing to accept it as is.

As an example, in the corn chart, if you planted at the optimum time for your area and anticipated a final stand of 27,500 plants per acre, you might expect to achieve 95% maximum yield. If, at a later date, you find that the stand is only 19,000 plants per acre, your yield expectation is 78% of maximum. This is a 17% yield loss due to stand reduction.

If you can replant 20 days later than optimum and actually achieve a 30,000 plant population, yield prospects would be 90% of maximum. This is a 12% (90-78) gain in favor of replanting over leaving the older, reduced stand. Will a 12% increase pay the replanting costs and provide something to cover the risks of replanting? Also strongly consider additional weed competition from a reduced stand, the health of surviving plants and uniformity of the existing stand when making a replant decision, the charts are based upon uniform stand distribution and healthy plants.

Another major consideration that goes hand-in-hand with making a replant decision is whether or not a hybrid change is needed, or

perhaps a change to an alternate crop such as soybeans. Switching to an earlier maturing corn hybrid can be done at any time if so desired. Hybrid and planting date studies suggest that if planting is delayed by 20-30 days past optimum move to a five day earlier hybrid. If the seeding delay is greater than 30 days consider a 10 day earlier hybrid or switching to another crop. Double check to ensure safety from herbicide carryover.

Soybeans

Soybean plants readily compensate for stand variations. Usually a 50% stand, if planted at a normal time, will not justify replanting. When replanting or double cropping soybeans, switching to a "too early" variety can be costly. Because soybeans are day-length sensitive, adapted medium-full season maturities can be planted until about 20 days later than optimum planting dates. After that date, adapted medium maturity varieties for your area should be planted. In the Midwest, medium maturity soybeans can be planted up until around July 5 and be expected to mature in a normal growing season.

Varieties earlier than this will not mature faster and will not grow to adequate height and also pod very low, making harvest very difficult. For replant or double crop production, narrow row spacing and increased plant populations are desirable.

Do not rush into replanting without careful assessment of all the factors involved, patience normally favors leaving the existing stands in most situations.

Percent of	Planting Date					
Desired	0ptimum	20 days later	30 days later			
Population*						
100	100	92	73			
80	92	83	57			
50	88	73	48			
*Assumes reasonably uniform stands						

SOYBEAN yields at various planting dates and stand levels, expressed as a percentage of the optimum stand and date

	Plants Per Acre							
	19,000	21,000	22,000	25,000	27,500	30,000	32,500	
Planting Date				Percent of yield				
Optimum — Normal	78	83	88	92	95	100	100	
10 days later	75	81	86	90	93	96	98	
20 days later	69	75	80	84	87	90	92	
30 days later	59	64	69	73	77	80	81	
*Assumes reasonably uniform stands								

CORN yields at various planting dates and stand levels, expressed as a percentage of the optimum stand and date



Plant Food Utilization

		Plant Food Uptake*			Plant	Food Rem	oved
Crop	Unit	N	P205	K20	N	P205	K20
Corn	lb/bu	1.33	0.57	1.33	0.75	0.44	0.29
Corn Silage	lb/ton	8.30	3.60	8.30	8.30	3.60	8.30
Soybean	lb/bu	5.40**	1.06	2.36	4.00**	0.80	1.40
Alfalfa	lb/ton	60.00**	15.00	60.00	56.00**	15.00	60.00
Cotton (lint)	lb/cwt	12.00	4.33	8.33	7.00	2.67	3.00
Grain Sorghum	lb/cwt	3.12	1.12	2.50	1.50	0.75	0.38
Grain Sorghum	lb/bu	1.75	0.63	1.40	0.84	0.42	0.21
Forage Sorghum	lb/ton	25.00	8.00	35.00	25.00	8.00	35.00
Sorghum-Sudan	lb/ton	40.00	15.00	60.00	40.00	15.00	60.00
Wheat	lb/bu	1.67	0.67	2.02	1.15	55.00	0.34
Sunflower	lb/cwt	5.20	2.00	3.65	3.60	1.70	1.10

Source: Potash and Phosphate Institute

Approximate Nitrogen Produced from Previous Crop:

Soybeans: Normal Yield = 45-55# of N, Low Yield = 15-25# of N **Alfalfa:** Good Stand = 80-110# of N, Poor Stand = 30-50# of N **Other Legumes:** Good Stand = 50-70# of N depending on the crop **Sorghum:** If residues are incorporated into the soil an additional

30-40# of N should be applied.

Approximate Fertility Removed from Previous Corn Crop Per Bushel Produced:

Grain: 0.75# N, 0.44# P, 0.29# K, 0.06# Mg, 0.02# Ca, 0.07# S Silage: 1.50#N, 0.60# P, 1.30# K, 0.20# Mg, 0.21# Ca, 0.16#S

Best Crop Response Related to pH Levels	Range
Continuous Corn (No Alfalfa-Clover)	6.1 - 6.6
Corn/Soybean rotation (No Alfalfa-Clover)	6.3 - 6.9
Soybeans	6.0 - 7.5
Alfalfa & other legumes	6.6 - 7.5
Cotton	5.5 - 7.0
Grain Sorghum (milo)	5.5 - 7.0
Forage Sorghum	5.5 - 7.0
Wheat	6.0 - 7.0

Economic Thresholds for Weeds

	% Corn Yield Loss					
	1	2	4	6	8	10
Weed	Num	ber of we	eed clum	ps per 1	00 feet o	of row
Cocklebur	4	8	16	28	34	40
Giant ragweed	4	8	16	28	34	40
Pigweed	12	25	50	100	125	150
Lamb's quarters	12	25	50	100	125	150
Sunflower	6	12	25	50	62	75
Giant foxtail*	10	20	50	100	150	200
Shattercane**	6	12	25	50	75	100
Volunteer corn	-	-	4	8	12	16

^{*5} to 8 stems per clump

^{**2} to 3 stems per clump

	% Soybean Yield Loss					
	1	2	4	6	8	10
Weed	Numl	per of we	ed clum	ps per 1	00 feet o	of row
Cocklebur	1	2	4	6	8	10
Giant ragweed	1	2	4	6	8	10
Pigweed	2	4	6	10	15	20
Lambs quarters	2	4	6	10	15	20
Velvetleaf	8	16	24	32	40	50
Morning glory	8	16	24	32	40	50
Jimsonweed	8	16	24	32	40	50
Smartweed	8	16	24	32	40	50
Sunflower	1	2	3	5	8	10
Giant foxtail*	5	10	17	25	32	44
Shattercane**	2	5	8	11	14	18
Volunteer corn	1	2	3	4	5	6

Source: University of Illinois

Calculating Grain Yields

Grain Yield = (100-moisture) x (lbs. of grain) x (factor for crop) / (Row length in feet) / (Row width in inches) / (Number of rows)

Crop	Factors	Yield Corrected to % Moisture
Corn	109.815	15.0%
Soybeans	100.138	13.0%
Grain Sorghum	108.538	13.0%
Sunflowers	5805	10.0%
Wheat	100.176	13.5%
Corn Silage	7.467	70.0%

Growing Degree Days

 $\underline{\text{T. Max} + \text{T. Min}}$ minus 50 = GDD

2

T. Max is the maximum temperature during the day and T. Min is the minimum. Fifty degrees F is substituted for the minimum temperature when it falls below 50° F, and 86° is substituted for the maximum when it rises above 86° F.

Example: If the high is 90 degrees F and the low is 70 degrees F:

(86+70)/2-50=(156/2)-50=78-50=28 GDU's

Individual results may vary, and performance may vary from location to location and from year to year. This result may not be an indicator of results you may obtain as local growing, soil and weather conditions may vary. Growers should evaluate data from multiple locations and years whenever possible. Dyna-Gro® is a registered trademark of Loveland Products, Inc. Featured logos are service/trademarks of their respective owners.

^{*} Plant Food Uptake in Harvest Portion

^{**} Legumes convert most of their Nitrogen requirements from the air.

Figures given are total amounts taken up by the crop in both the harvested and the above ground unharvested portions. These numbers are estimates for indicated yield levels, taken from research studies, and should be used only as general quidelines.

Notes	



Notes	















efore opening a bag of seed, be sure to read, understand and ccept the stewardship requirements, including applicable fugge requirements for insect resistance management, for self-bed properties, the control of the control of the biotechnology traits expressed in the seed as set forth in the echology/Stewardship Agreement that you sign. By opening and using a bag of seed, you are reaffirming your obligation and Always read and follow pesticide label directions, insect resistance management requirements (where applicable), and grain marketing and all other stewardship practices.

No dicamba may be used in-crop with seed with Roundup Ready® Xtend Technology, unless and until approved or specifically permitted. No dicamba formulations have been registered for such in-crop use at the time this material was published. Please follow https://www.roundupreadyxtend.com/pages/xtendimax-updates.aspx for status updates.

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See the IRM/Grower Guide for additional information. Always read and follow IRM requirements.

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

Refuge seed may not always contain the DroughtGard® trait. **IMPORTANT IRM INFORMATION**: Certain products are sold as RIB Complete® corn blend products, and do not require the planting of a structured refuge except in the Cotton-Growing Area where corn earworm is a significant pest. Products sold without refuge in the bag (non-RIB Complete) require the planting of a structured refuge. **See the IRM/Grower Guide for additional information**. **Always read and follow IRM requirements**.

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To plant PowerCore Enlist, PowerCore Enlist Refuge Advanced, Enlist Corn - REFUGE and Enlist E3 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 a 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.

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STS*

herbicide tolerant trait

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CLEARFIELD® Production System.

PRODUCT USE STATEMENT This product contains a gene which makes it tolerant only to the imidazolinone herbicides labeled for use on canola such as BEYOND®.

WARNING: This imidazolinone-tolerance gene will NOT safeguard this hybrid against application of labeled imidazolinone herbicides. This imidazolinone tolerance gene will NOT safeguard this hybrid against application of other herbicide chemistries which are labeled to be used only over-the-top of crops that have a different and specied crop protection gene. This imidazolinone tolerance gene will NOT provide carryover protection from SU (sulfonylurea) family of herbicides. Always read and follow herbicide label directions prior to use. ACCIDENTAL APPLICATION OF INCOMPATIBLE HERBICIDES TO THIS HYBRID COULD RESULT IN TOTAL CROP LOSS. The UNIQUE CLEARFIELD SYMBOL, CLEARFIELD and Beyond are registered trademarks of BASF.

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ATHOME ONANY/ACRE

DynaGroSeed.com

