
























PRIME 3010

At Greenfield Genetics we are always thinking innovation. Our Research and Product Development Department accesses genetics and traits from all around the world combining only the best genetics that perform well on your farm. Numerous hybrids are tested every year across varying climate zones, this ensures your success and our success. Each research plot is tested for quality plus yield and/or overall whole plant digestibility against competitor checks resulting in accurate ratings for each hybrid, for floury kernel starch and milk per ton.

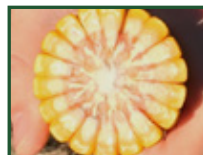
2019 Seed Guide

Grain / Dual Purpose Hybrids

Rustler	CHU 2200 RM 73	Strong emergence, Cool fall integrity Sturdy stalks, High grain yielding hybrid Ideal for silage or high moisture grain		
Tucson	CHU 2200 RM 76	Early flowering, Rapid drydown Girthy cob, High test weight Excellent dual purpose hybrid		Conventional & Organic
13N	CHU 2250 RM 78	Good spring vigour and emergence Strong stalks and roots with late harvest integrity Excellent drydown with good test weight		Organic
HyTest	CHU 2250 RM 79	Floury Starch, High test weight Strong dual purpose plant with good roots Good agronomics with attractive white cob		
30-30	CHU 2300 RM 80	Superior plant health, Sturdy stalks Strong roots, Flared husks Exceptional grain potential for maturity		Conventional & Organic
14T	CHU 2300 RM 80	Dent hybrid with outstanding grain yield Strong stalks for fall integrity Good choice as a grain or silage hybrid		   3122, Conventional
Caliber	CHU 2350 RM 81	Rock solid root and stalks Tall dual purpose hybrid Excellent plant health for silage or grazing		
17X	CHU 2350 RM 83	Tall hybrid with good standability High yielding silage and grain potential Dent starch type with fast drydown		  & Conventional
Legacy	CHU 2400 RM 84	Delivers consistent yields on all soil types Sturdy stalks with excellent drought tolerance Excellent plant drydown, Strong grain yields		  & Conventional
21G	CHU 2650 RM 86	Great standability with strong roots and stalks Tall plant, Excellent test weight Very strong disease tolerance package		

38-33LCHU 2700
RM 88Leafy hybrid, Tall hybrid
Top end silage potential
Soft kernel, high grain

Organic

PrimeCHU 2750
RM 90Superior yield potential for its maturity
Grithy fixed ears, Strong stalks and roots
Floury starch, High test weightAgrisure
GT/CB/LL
Agrisure3000GT
&
Conventional**Select**CHU 2800
RM 92Strong emergence and plant health
Delivers consistent yields, All soil rated
Excellent drought toleranceAgrisure
GT/CB/LL
Artesian**43-35L**CHU 2850
RM 93Leafy hybrid, Tall plant
Superior silage yield
Soft kernel, Flex cob

AgrisureGT

48-44CHU 3000
RM 101Excellent agronomic package
Deep kernel set on a girthy cob
Solid top grain yield potentialAgrisure
Viptera
3111**44Z**CHU 3100
RM 104Floury Starch rated, High test weight
High yielding silage hybrid, Strong agronomics
Tall robust plant, Superior grain to stover ratio

Agrisure3000GT

JacksonCHU 3100
RM 104Superior grain potential, Flex cob
Floury starch, Fast dry down
Solid agronomics on sturdy stock

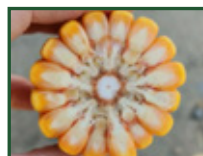
Agrisure3000GT 3122

PattonCHU 3200
RM 107Strong spring vigor, upright leaf
Dual purpose hybrid
Superior root development

AgrisureGT

60-21CHU 3300
RM 111Upright leaf, Superior spring vigor
Strong silage potential, Thick stock
Above average grain, Semi flex cob

AgrisureGT

61-53CHU 3400
RM 114Strong dual purpose rated hybrid
High test weight with good plant health
All soil rated hybrid, Girthy fixed cob

Agrisure3000GT

Silage Corn Plot Trials

Ranch 34 (Elm Creek, MB)

G Greenfield Genetics **B** Brevant (Formerly Dow Seeds)

HYBRID	RM / CHU	CP	NDFD 30 Hr	TDN	Lignin	Starch	DM	Ton/Acre 70% DM	Milk Lb per ton	Milk Lb per acre	Beef/ Acre	Ranked by Yield
B 3175	84 / 2575	8.2	67.3	74.2	2	30	37.3	21.4	3,043	19,597	1,657	3
G LEGACY	84 / 2400	6.7	61.1	71	2.9	29.7	42.5	24.4	2,775	20,313	2,103	1
G EXP 84	84 / 2400	7.3	59.6	70.9	3.2	29.4	33.6	22	2,694	17,753	1,798	2
G 17X	83 / 2350	7.4	63.2	69.4	2.9	26.7	37.9	19.5	2,859	16,725	1,464	5
B 83R15PW	83 / 2500	7.2	64.5	71	2.9	29.2	40.4	15	2,879	12,984	1,232	12
B 81R65PW	81 / 2400	7.3	61	68.4	3.3	24.8	52.5	16.6	2,609	13,019	1,708	10
B 81N47PWE	81 / 2400	7.5	64.7	72.2	2.8	30.6	42.8	19.3	2,850	16,559	1,709	7
G 14T	80 / 2300	6.9	63	69.9	2.7	26.9	46.2	20.6	2,649	16,530	1,920	4
B DS80A27RA	80 / 2400	7.5	64.7	71.3	2.8	29.6	46.5	15.4	2,720	12,566	1,457	11
G HYTEST	79 / 2250	7.9	61	71.4	2.8	29.4	38.1	18.8	3,012	16,626	1,425	9
B B79N56WE	79 / 2300	6.3	62.9	67.5	3.4	23.8	48.3	19.5	2,543	14,851	1,810	5
G RUSTLER	73 / 2200	7.9	61.7	73.5	2.5	34.1	50	18.8	2,815	15,848	1,971	8

Planted May 10, 2018 **Test / Lab** Milk 2006 / Cumberland

Harvested Sept 7, 2018 **Soil / Sample** Sandy Loam

Pop. 30,000 / acre **Plot** .001 acre

*2.5" of rain between planing and harvest
Plot data is property of Fraser Seeds & is intended for the sole use of Fraser Seeds and its dealers.

Ranch 34 (Elm Creek, MB)

G Greenfield Genetics **B** Brevant (Formerly Dow Seeds)

HYBRID	RM / CHU	CP	NDFD 30 Hr	TDN	Lignin	Starch	DM	Ton/Acre 70% DM	Milk Lb per ton	Milk Lb per acre	Beef/ Acre	Ranked by Yield
G 43-35L	93 / 2850	8.3	67.7	68.4	3	21.2	30.4	21.6	2,969	19,299	1,287	6
B 91N27SX	91 / 2650	7.9	62.9	67.7	3.2	21.3	37.8	21.9	2,765	18,221	1,605	5
G PRIME	90 / 2750	7.7	59.5	71.7	2.9	30.8	36.1	25.6	3,135	24,077	1,894	2
B 90N18SXE	90 / 2600	7.6	75.2	70.9	1.7	22	43.5	20.3	2,606	15,897	1,791	8
G EXP 27L	88 / 2700	7.7	65.9	68.5	3.1	20.3	35.4	22.5	2,900	19,575	1,555	4
G 21G	86 / 2650	7.5	64.7	68.4	3.3	24.6	38.8	26	2,794	21,821	1,974	1
B DS84J77RA	85 / 2625	7.7	65.4	71	2.7	29.6	34.3	20.6	3,119	19,338	1,438	7
B 91N27SX	91 / 2650	7.8	62.9	69.2	3.1	22.2	38	23.9	2,870	20,578	1,796	3

Planted May 10, 2018 **Test / Lab** Milk 2006 / Cumberland

Harvested Sept 7, 2018 **Soil / Sample** Sandy Loam

Pop. 30,000 / acre **Plot** .001 acre

*2.5" of rain between planing and harvest
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**2017 Corn Hybrid Silage Results Averaged Over Bow Island, Brooks,
Lethbridge and Vauxhall, AB.**

Company	Hybrid	Anthesis [†]	Silking [†]	Dry Yield (t/ha)	Whole Plant Moisture %
Greenfield Genetics	14T GTCBLL	80.5	82.5	17.1	48.2
Greenfield Genetics	17X GTCBLL	81.2	83.2	18.2	50.4
Greenfield Genetics	Caliber GT	81.2	83.0	16.5	51.4
Dow Seeds	DS81R65RA	77.4	80.9	13.9	51.7
Elite	X17-3136b	78.4	81.4	15.5	52.1
Pride Seeds	A4939G2 RIB	78.9	81.1	15.9	52.3
Maizex	MS 8088R	82.8	84.4	16.6	52.6
Maizex	MS 7420R	78.0	80.8	16.2	52.8
Dekalb	DKC32-12RIB	79.3	81.9	16.3	52.8
Elite	X16-0470	76.1	79.3	13.4	53.0
Maizex	MZ 1633DBR	79.7	82.0	15.9	53.6
Pickseed	PS 2210VT2P RIB	78.8	81.7	14.8	53.7
Thunder Seed	TH7681RR	81.1	82.7	15.9	53.8
Pickseed	PS 2320RR	78.4	80.6	14.6	53.8
Pickseed	PS 2420RR	78.9	80.6	16.5	53.9
Pickseed	PS 2333RR	77.9	80.3	16.8	54.1
Dow Seeds	DS80A27	79.3	82.1	14.5	54.6
Elite	YUKON R	80.2	82.1	16.3	54.8
Thunder Seed	TH4126RR	77.9	79.9	16.0	54.8
Pride Seeds	A5432G2 RIB	82.6	83.9	16.1	55.1
Dow Seeds	DS83T15RA	79.0	82.1	15.0	55.2
Pride Seeds	A4705HMRR	77.4	80.1	15.8	56.0
Pickseed	PS 2444VT2P RIB	80.8	83.2	15.8	56.0
Elite	FUSION RR	77.6	80.1	14.9	56.1
Pride Seeds	A4415G2 RIB	77.4	80.8	13.1	56.6
Pride Seeds	AS1047RR EDF	79.8	81.7	16.7	58.2
Greenfield Genetics	Hytest 3010	78.8	81.3	14.4	58.4
Elite	VENZA R	83.8	86.1	18.7	58.8
Elite	E55T32 R	81.6	83.5	15.8	59.4
Dow Seeds	TMF8106RA	84.4	86.6	15.1	59.7
Dow Seeds	X14123VH	81.3	83.9	15.8	60.5
Dow Seeds	BMR90B94	81.6	86.2	13.5	63.0

Pr > F	< 0.0001	< 0.0001	< 0.0001	< 0.0001
F Value	21.84	19.33	123.20	88.65
R-Square	0.69	0.66	0.93	0.90
Coefficient of Variation	2.34	2.22	10.40	5.70
Mean	80	82	15.67	54.9
LSD _{p=0.05} [‡]	2.5	2.4	2.1	4.1

† Days from Planting Date

‡ Mean separation test performed using Tukey-Kramer method

Hybrid Summary

Hybrid	Heat Units/RM	Trait Platform	Refuge Option	Herbicide		Insect Tolerance			
				Glyphosphate	Primextra	ECB	WBC	BlkCW	Fall ArmyW
Rustler	2200 / RM 73	GT		Y					
Tucson	2200 / RM 76	Conventional			Y				
13N	2250 / RM 78	Organic							
Hytest	2250 / RM 79	GTCBLL	Caliber GT	Y		Y			
30-30	2300 / RM 80	Conventional			Y				
14T	2300 / RM 80	3122, GTCBLL, GT		Y		Y	Y	Y	Y
14T	2300 / RM 80	Conventional	14 T GT		Y				
Caliber	2350 / RM 81	GT		Y					
17X	2350 / RM 83	3000 GT, GT	17X GT	Y		Y			
17X	2350 / RM 83	Conventional			Y				
Legacy	2400 / RM 84	3000 GT, GT	Legacy GT	Y		Y			
Legacy	2400 / RM 84	Conventional			Y				
21G	2650 / RM 86	GT		Y					
38-33L	2700 / RM 88	ConventionalL							
Prime	2750 / RM 90	GTCBLL, 3000 GT	21G GT	Y	Y	Y			
Prime	2750 / RM 90	Conventional							
Select	2800 / RM 92	GTCBLL	21G	Y		Y			
43-35L	2850 RM 93	GT		Y					
48-44	3000 / RM 101	3111	Patton	Y		Y	Y	Y	Y
44Z	3100 / RM 104	3000 GT	Patton	Y		Y			
Jackson	3100 / RM 104	3122		Y		Y	Y	Y	Y
Patton	3200 / RM 107	GT		Y					
60-21	3300 / RM 111	GT		Y					
61-53	3400 / RM 114	3000 GT	60-21 GT	Y		Y			

Scale: 1 - 10 (1 = Poor, 10 = Excellent) Legend: S = Short M = Medium T = Tall VT = Very Tall Y = Tolerant to... Different geographic regions and in

TRAIT		DESCRIPTION	
GT		Glyphosate Tolerant	
3000 GT		Glyphosate Tolerant, Corn Borer control and Corn Rootworm control	
3111		Glyphosate Tolerant, Above ground worm control, Corn Borer control and Corn Rootworm control	
3122 E-Z REFUSE		Single-bag refuge trait stack offers GT, Above ground worm control and two modes of action against Corn Borer and Corn Rootworm	
A		Artesian technology maximizes yield through water optimization in the plant	

	Floury Grain Rating	Plant Height	SEEDLING VIGOUR	STALK STRENGTH	ROOT STRENGTH	DROUGHT TOLERANCE	DISEASE RATING	SILAGE APPEAL	STAY GREEN	DRYDOWN	TEST WEIGHT
CRW											
	7	MT	9	8	8	7	8	8	8	6	9
	8	M	9	9	8	7	7	8	7	8	8
	7	MT	9	8	9	9	8	9	8	8	8
	10	M	7	9	8	8	8	9	8	7	10
	9	M	8	9	9	8	9	8	9	8	9
Y	8	MT	7	8	8	7	7	8	7	8	7
	8	MT	8	8	8	7	9	8	7	8	7
	7	T	8	8	8	7	9	9	7	8	7
Y	7	T	7	8	9	8	7	9	8	9	8
	7	T	7	8	9	8	7	9	8	9	8
Y	7	T	7	9	9	8	8	9	8	9	8
	7	T	7	9	9	8	8	9	8	9	8
	8	VT	9	8	9	9	8	9	8	8	8
	9	VT	8	7	8	8	7	10	10	7	7
Y	10	VT	9	8	9	8	7	9	8	8	9
	10	VT	9	8	9	8	7	9	8	8	9
	9	VT	10	9	9	10	8	9	9	8	9
	9	VT	7	7	8	8	7	10	10	7	7
Y	8	T	8	10	8	8	9	9	8	9	10
Y	9	T	8	9	8	8	7	10	8	7	8
Y	9	T	8	9	9	8	9	8	9	9	9
	7	VT	10	9	10	8	8	9	9	9	8
	8	T	10	9	10	8	8	9	9	8	9
Y	8	T	8	9	9	8	7	8	9	8	8

Individual farming practices will vary this information. *Intended as guidelines only.*

INSECT ABBREV.	DESCRIPTION
ECB	European Corn Borer
WBC	Western Bean Cutworm
BlkCW	Black Cutworm
Fall ArmyW	Fall Armyworm
CRW	Corn Rootworm

Traits & Technology



Hybrids with the Agrisure® GT trait provide excellent tolerance to in-crop applications of glyphosate-based herbicides.



The Agrisure® GT/CB/LL trait stack provides season-long control or suppression of insects as well as herbicide flexibility with both glyphosate and glufosinate based herbicides.



Hybrids with the Agrisure® 3000GT trait stack offer control of corn borer and corn rootworm with tolerance to both glyphosate and glufosinate herbicides.



GT, BL traits offers tolerance to glyphosate and glufosinate herbicides and season long control of above ground lepidopteran insects



On each seed bag tag, growers will see four numbers. Each number has a meaning. How it works:




- Agrisure Artesian technology can be stacked with any of our best-in-class insect or herbicide traits, and will be designated by a capital "A" after the numerical identifiers.
- Artesian will not be spelled out in the suffix when a trait stack contains the Agrisure Viptera or Agrisure Duracade trait.



An on-seed application of a combination of Cruiser® 5FS insecticide (0.25mg a.i./seed of thiamethoxam) and Maxim® Quattro seed-applied fungicide, CruiserMaxx® Corn 250 insecticide/fungicide seed treatment protects corn seed and seedlings against early-season insects, and seed borne and soil borne diseases leading to increased plant stand, uniformity, vigour and yield potential.



For corn growers who want to improve their insect control spectrum, Fortenza® seed treatment provides critical early season control of European chafer, wireworm and cutworm. Coupled with the proven package of Maxim® Quattro, you get the added control of seed and soil-borne pathogens, such as Fusarium, Pythium, Rhizoctonia, and Aspergillus and Penicillium fungi.



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



Grower Programs

Early Payment Incentives

Volume Incentives



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DEALER INFORMATION

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