



Greenfield Genetics




















21G GT
Woodside Farms Agassiz, BC

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.

2018 Seed Guide

Grain / Dual Purpose Hybrids

Focus	CHU 2200 RM 76	Top yielding dual purpose hybrid Early Vigour, Solid agronomic package Superior silage potential for maturity		Agrisure ^{GT} & Conventional
Tucson	CHU 2200 RM 76	Early flowering, Rapid drydown Girthy cob, High test weight Excellent dual purpose hybrid		Conventional
Magnum	CHU 2200 RM 76	Superior hybrid for Northern regions Early flowering with excellent grain drydown Strong grain yield potential		Agrisure Viptera ³¹¹⁰
13B	CHU 2250 RM 77	Superior disease resistance and health package High grain yield, Flared husks, Rapid drydown Excellent standability, with strong stalks and roots		Agrisure Viptera ³¹¹⁰
Rustler	CHU 2250 RM 78	Strong emergence, Cool fall integrity Sturdy stalks, High grain yield hybrid Ideal for silage or high moisture grain		Agrisure ^{GT}
HyTest	CHU 2250 RM 78	Floury Starch, High test weight Strong dual purpose plant with good roots Good agronomics with attractive white cob		Agrisure GT/CB/LL
30-30	CHU 2300 RM 80	Superior plant health, Sturdy stalks Strong roots, Flared husks Exceptional grain potential for maturity		Conventional
14T	CHU 2300 RM 80	Dent hybrid with outstanding grain yield Strong stalks for fall integrity Excellent North and West hybrid movement Good choice as a grain or silage hybrid		Agrisure ^{GT} Agrisure GT/CB/LL & Conventional
Caliber	CHU 2300 RM 81	Rock solid root and stalks Tall dual purpose hybrid Excellent plant health for silage or grazing		Agrisure ^{GT}

17X	CHU 2350 RM 83	Tall hybrid with good standability High yielding silage and grain potential Dent starch type with fast drydown		Agrisure ^{GT} Agrisure ^{3000GT} & 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		Agrisure ^{GT} Agrisure ^{3000GT} & Conventional
21G	CHU 2650 RM 86	Great standability with strong roots and stalks Tall plant, Excellent test weight Very strong disease tolerance package		Agrisure ^{GT}
Prime	CHU 2750 RM 90	Superior yield potential for its maturity Grithy fixed ears, Strong stalks and roots Floury starch, High test weight		Agrisure ^{GT/CB/LL} Agrisure ^{3000GT} & Conventional
Select	CHU 2800 RM 93	Strong emergence and plant health Delivers consistent yields, All soil rated Excellent drought tolerance		Agrisure ^{GT/CB/LL} Artesian
48-44	CHU 2900 RM 98	Excellent agronomic package Deep kernel set on girth cob Solid top grain yield potential		Agrisure Viptera 3111
44Z	CHU 3000 RM 101	Floury Starch rated, High test weight High yielding silage hybrid, Strong agronomics Tall robust plant, Superior grain to stover ratio		Agrisure ^{GT} Agrisure ^{3000GT} & Conventional
61-53	CHU 3250 RM 111	Tall hybrid, Strong dual purpose rating High test weight with good plant health All soil rated hybrid, Girthy fixed cob		Agrisure ^{3000GT}



Organic hybrid listing available online. Visit: www.greenfieldgenetics.com

Hybrid Summary

Hybrid	Heat Units/RM	Trait Platform	Refuge Option	Herbicide		Insect Tolerance				
				Glyphosphate	Primextra	ECB	WBC	BkCW	Fall ArmyW	
Focus	2200 / RM 76	GT		Y						
Focus	2200 / RM 76	Conventional			Y					
Tucson	2200 / RM 76	Conventional			Y					
Magnum	2200 / RM 76	3110	Focus GT	Y		Y	Y	Y	Y	
13B	2250 / RM 76	3110	Focus GT	Y		Y	Y	Y	Y	
Hytest	2250 / RM 78	GTCBLL	Caliber GT	Y		Y				
Rustler	2250 / RM 78	GT		Y						
30-30	2300 / RM 80	Conventional			Y					
14T	2300 / RM 80	GTCBLL, GT	14 T GT	Y		Y				
14T	2300 / RM 80	Conventional			Y					
Caliber	2300 / RM 81	GT		Y						
17X	2350 / RM 83	GT, 3000 GT	17X GT	Y		Y				
17X	2350 / RM 83	Conventional			Y					
Legacy	2400 / RM 84	GT, 3000 GT	Legacy GT	Y		Y				
Legacy	2400 / RM 84	Conventional			Y					
21G	2650 / RM 86	GT		Y						
Prime	2750 / RM 90	GTCBLL, 3000 GT	21G GT	Y		Y				
Prime	2750 / RM 90	Conventional			Y					
Select	2800 / RM 93	GTCBLL Artesian	21G GT	Y		Y				
48-44	2900 / RM 98	3111	44Z GT	Y		Y	Y	Y	Y	
44Z	3000 / RM 101	GT, 3000 GT	44Z GT	Y		Y				
44Z	3000 / RM 101	Conventional			Y					
61-53	3250 / RM 111	3000 GT	44Z GT	Y		Y				

Scale: 1 - 10 (1 = Poor, 10 = Excellent) Legend: S = Short M = Medium T = Tall VT = Very Tall Y = Tolerant to

TRAIT	DESCRIPTION
GT	Glyphosate Tolerant
3110	Glyphosate Tolerant, Above ground worm control
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	T	10	9	9	8	9	8	8	7	7
	7	T	10	9	9	8	9	8	8	7	7
	8	M	9	9	8	7	7	8	7	8	8
	7	M	8	9	8	7	7	6	7	10	8
	8	M	8	9	8	8	9	7	8	8	8
	10	M	7	9	8	8	8	9	8	7	10
	7	MT	8	8	8	8	8	8	8	9	8
	9	M	8	9	9	8	9	8	9	8	9
	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
Y	10	VT	9	8	9	8	7	9	8	8	9
	10	VT	9	8	9	8	7	9	8	8	9
	10	VT	10	9	9	10	8	9	9	8	9
	9	T	8	10	8	8	9	9	8	9	10
Y	10	VT	8	9	8	8	7	10	8	7	8
	10	VT	8	9	8	8	7	10	8	7	8
Y	8	VT	8	9	9	8	7	10	9	8	8

... Different geographic regions and individual farming practices will vary this information. *Intended as guidelines only.*

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



Silage Corn Plot Trials

Edaleen Dairy Farms (Lynden, WA)

G Greenfield Genetics **DK** Dekalb **P** Pioneer

HYBRID	CHU	CP	NDFD 30 Hr	TDN	Lignin	Starch	Milk Line %	DM	Ton/Acre 70% DM	Milk Lb per ton	Milk Lb per acre	Ranked by Yield
G LEGACY	2400	8	23.1	71.4	3.8	32.3	0	27.6	27.3	3,110	25,470	2
G 17X ***	2350	8.7	22.5	73	3.6	32.4	0.1	29.1	26.6	3,190	25,456	3
G 17X	2350	8.1	21.3	73.7	3.3	34.2	0.1	28.9	30.8	3,358	31,027	1
G 14T	2300	8.5	22.4	76.8	2.7	38.6	0.2	30.1	25.9	3,812	29,619	4
G CALIBER	2300	7.6	22.1	72.5	3.3	33	0.1	26.2	21.1	3,232	20,459	9
DK 32-10	2300	8.6	22.8	67.6	4.3	24.1	0.3	22.5	24.4	2,678	19,602	7
DK 31-07	2300	9.4	22	70	4.1	30.4	0.4	25.7	25.2	2,934	22,181	5
P 7958	2300	9.5	19.6	63.1	4.8	23.9	0.5	27.4	24.8	2,226	16,561	6
G HYTEST	2250	8	19.8	74.5	3.3	37.2	0.5	28.1	22.6	3,414	23,147	8

Planted	May 24, 2017	Test / Lab	Milk 2006 / Cumberland
Harvested	Sept 22, 2017	Soil / Sample	Clay Loam / Uncured Corn
Plant Pop.	32,000 / acre	Plot	0.021 acres

Fertilizer: NaChurs 10-18-4+Zn@4 gal/ac
Plus 1 qt/ac of each, of Agro Gold and Stimugrow (Seaweed Extract)
*** only received 10-18-4+Zn @ 4 gal / ac

Plot data is the sole property of Fraser Seeds & is intended for the sole use of Fraser Seeds and its dealers.

Harborace Holsteins (Agassiz, BC)

G Greenfield Genetics **MC** Masters Choice

HYBRID	CHU	CP	NDFD 30 Hr	TDN	Lignin	Starch	Milk Line %	DM	Ton/Acre 70% DM	Milk Lb per ton	Milk Lb per acre	Ranked by Yield
G SELECT	2800	9.1	18.2	75.6	3	37.8	0.4	27.6	28.7	3,506	30,187	1
MC 4572	2850	8.1	19	74.8	3	37.7	0.3	26.7	26.7	3,444	27,586	3
G PRIME	2750	9.6	21.6	74.1	3.2	32	0.5	30.1	27.3	3,376	27,649	2
G 21G	2650	9	19.2	76.2	3	38.4	0.6	29.5	25.8	3,629	28,088	4
G 21G ***	2650	8.9	20.3	75.2	3.2	36.4	0.6	29.7	24.3	3,521	25,668	5
G LEGACY	2400	8.3	17	77.7	2.6	45.5	0.7	35.7	32.2	3,515	34,060	1
G EXP 78685	2400	8.5	21.3	75.6	2.8	37.5	0.7	33.3	29.2	3,542	31,028	4
G 17X	2350	8.1	19.8	74.8	3.2	39.4	0.8	34.7	31.5	3,358	31,733	2
G 14T	2300	8.2	20.3	74.7	3	38	0.8	36.8	31.1	3,205	29,903	3
G CALIBER	2300	8.8	19.6	74.5	3.1	37	0.8	30.7	24.8	3,409	25,363	6
G HYTEST	2250	9.1	19.9	74.6	3	36.9	0.95	31.1	26.4	3,444	27,276	5

Planted	May 29, 2017	Test / Lab	Milk 2006 / Cumberland
Harvested	Oct 3, 2017	Soil / Sample	Clay Loam / Uncured Corn
Pop.	32,000 / acre	Plot	.035 acres

Fertilizer: 25 gal/ac 21-15-0 Plus 1L Stimugrow (Seaweed Extract) and 1L Agro Gold

*** Did not receive Stimugrow & Agro Gold

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Malabar Farms (Dewdney, BC)

G Greenfield Genetics **LR** Legend

HYBRID	CHU	CP	NDFD 30 Hr	TDN	Lignin	Starch	Milk Line %	DM	Ton/Acre 70% DM	Milk Lb per ton	Milk Lb per acre	Ranked by Yield
G 17X	2350	8.6	53.2	76	3	39.5	.75	36.9	29.7	3,333	29,697	1
G CALIBER	2300	8.4	52.8	75.4	3.1	38.3	.8	37.9	24.2	3,247	23,573	4
G 14T	2300	7.7	52.8	76	2.9	41.8	.9	42.6	27.4	2,957	24,294	2
G HYTEST	2250	7.8	50.2	73.6	3.2	36	.99	32.7	24	3,326	23,947	5
LR 9474	2150	7.5	51.6	74	3.2	37.9	.9	39.2	25.6	3,023	23,217	3

Planted	May 29, 2017	Test / Lab	Milk 2006 / Cumberland
Harvested	Sept 28, 2017	Soil / Sample	Clay Loam / Uncured Corn
Plant Pop.	31,500 / acre	Plot	.035 acres

Fertilizer: Broadcast Nitrogen & Granular Starter

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2016 Corn Hybrid Silage Results Averaged Over Bow Island, Brooks, Lethbridge and Vauxhall, AB.

Company	Hybrid	Anthesis [†]	Silking [†]	Dry Yield (t/ha)	Whole Plant Moisture %
Maizex	MZ 1482R	82.6	86.4	13.9	60.3
Pride Seeds	A4177G3 RIB	80.8	84.6	13.5	62.2
Greenfield Genetics	14T GTCBLL	86.0	88.5	16.7	63.4
Dow Seeds	4093	83.5	86.1	13.9	64.1
Pickseed	PS 2348VT2P RIB	82.9	86.6	14.5	64.6
Elite	FUSION RR	82.1	84.4	14.4	64.7
Maizex	MZ 1633DBR	84.2	87.1	15.3	64.8
Maizex	LF 730CBR	84.4	86.1	15.0	64.8
Pickseed	PS 2320RR	84.6	85.6	16.5	65.0
Pickseed	PS 2210VT2P RIB	83.6	86.7	16.1	65.1
Dow Seeds	4085	84.6	87.6	13.9	65.6
Maizex	EX1534	83.3	85.6	15.6	65.8
Pride Seeds	A4939G2 RIB	84.7	87.6	15.2	65.9
Thunder Seed	TH7578VT2P	84.4	88.1	15.0	66.1
Elite	E47A17 R	85.5	87.7	14.3	66.2
Pickseed	PS 2520VT2P RIB	85.8	88.6	16.0	66.3
Pride Seeds	A4705HMRR	81.9	84.4	14.8	66.4
Thunder Seed	TH4126RR	83.4	85.3	14.9	66.4
Greenfield Genetics	17X GT	87.3	89.4	16.2	66.4
Elite	E50P52 R	84.5	87.6	14.4	66.5
Dow Seeds	X15014VX	84.1	87.9	14.5	66.7
Dow Seeds	DS80A27	84.7	88.6	14.1	67.1
Elite	E49A12 R	84.5	87.5	13.9	67.1
Thunder Seed	TH7677VT2P	84.3	87.5	14.5	67.2
Pride Seeds	A5433G3 RIB	86.9	89.4	15.7	67.5
Pride Seeds	A5095G2 RIB	84.9	87.3	14.8	67.8
Dekalb	DKC32-12RIB	84.9	87.5	14.7	67.8
Thunder Seed	TH7681VT2P	84.3	87.2	14.5	67.8
Elite	YUKON R	83.5	85.5	15.2	68.1
Dekalb	DKC37-93RIB	86.7	89.0	15.0	68.6
Dow Seeds	X15102VX	85.6	89.5	15.3	69.3
Dow Seeds	X14008GH	86.8	89.9	14.8	69.5
Pickseed	PS 2552RR	87.9	89.7	14.4	70.5
Thunder Seed	TH4188RR	88.1	91.1	13.2	70.5
Dow Seeds	X14123VH	87.6	90.9	15.2	71.9
Pride Seeds	AS1047RR EDF	86.3	88.4	15.6	72.0
Dow Seeds	TMF86H77RA	89.1	92.3	14.7	72.2
Dow Seeds	F2F298	86.1	90.4	13.9	72.4
Elite	E57L62 R	87.9	90.0	14.8	73.1
Elite	VENZA R	88.0	90.7	15.2	73.6
Dow Seeds	TMF8106	89.1	92.4	14.3	73.7
Pr > F		< 0.0001	< 0.0001	< 0.0001	< 0.0001
F Value		35.99	31.57	62.71	18.17
R-Square		0.77	0.75	0.86	0.63
Coefficient of Variation		1.71	1.80	10.10	4.45
Mean		85	88	14.83	67.4
LSD _{p=0.05} [‡]		2.0	2.2	2.1	4.1

[†] Days from Planting Date

[‡] Mean separation test performed using Tukey-Kramer method

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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