

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.

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	[≠] Agrisur€GT
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	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 & 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	AgrisureGT Agrisure GT/CB/LL Agrisure3000GT 3122, Conventional
Caliber	CHU 2350 RM 81	Rock solid root and stalks Tall dual purpose hybrid Excellent plant health for silage or grazing	∕ Agrisur∈G T
17X	CHU 2350 RM 83	Tall hybrid with good standability High yielding silage and grain potential Dent starch type with fast drydown	AgrisureGT Agrisure3000GT & 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	AgrisureGT Agrisure3000GT & Conventional
21G	CHU 2650 RM 86	Great standability with strong roots and stalks Tall plant, Excellent test weight Very strong disease tolerance package	, Agrisur€GT

38-33L	CHU 2700 RM 88	Leafy hybrid, Tall hybrid Top end silage potential Soft kernel, high grain	Organic
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 Agrisure3000GT & Conventional
Select	CHU 2800 RM 92	Strong emergence and plant health Delivers consistent yields, All soil rated Excellent drought tolerance	Agrisure GT/CB/LL Artesian
43-35L	CHU 2850 RM 93	Leafy hybrid, Tall plant Superior silage yield Soft kernel, Flex cob	∕ Agrisur €GT
48-44	CHU 3000 RM 101	Excellent agronomic package Deep kernel set on a girthy cob Solid top grain yield potential	Agrisure Viptera 3111
44Z	CHU 3100 RM 104	Floury Starch rated, High test weight High yielding silage hybrid, Strong agronomics Tall robust plant, Superior grain to stover ratio	, Agrisur∈3000GT
Jackson	CHU 3100 RM 104	Superior grain potential, Flex cob Floury starch, Fast dry down Solid agronomics on sturdy stock	[★] Agrisur∈3000GT 3122
Patton	CHU 3200 RM 107	Strong spring vigor, upright leaf Dual purpose hybrid Superior root development	∕ Agrisur €GT
60-21	CHU 3300 RM 111	Upright leaf, Superior spring vigor Strong silage potential, Thick stock Above average grain, Semi flex cob	∕ Agrisur €GT
61-53	CHU 3400 RM 114	Strong dual purpose rated hybrid High test weight with good plant health All soil rated hybrid, Girthy fixed cob	, Agrisur∈3000GT

Silage Corn Plot Trials

Mount Cheam Farms (Agassiz, BC)

G	Greenfield Genetics	MC	Masters Choice

HYBRID	RM / CHU	СР	NDFD 30 Hr	TDN	Lignin	Starch	Milk Line %	DM	Ton/Acre 70% DM	Milk Lb per ton		Ranked by Yield
G 44Z	104 / 3100	8.2	23.6	71.9	2.9	30.6	0	25.9	28.8	3,130	27,058	5
G 44 - 84	101 / 3000	8.4	22.4	70	3.3	29.6	0	28.2	28	3,011	25,326	6
G 38-33L	88 / 2700	8.3	23	75.5	2.4	34.5	0.3	34.9	36.2	3,501	38,021	1
G SELECT	92 / 2800	8.3	21.5	74.3	2.9	27.5	0.3	32.9	31.6	2,952	27,991	4
G PRIME	90 / 2750	8	17.9	75.7	2.6	38.4	0.3	33.1	33.4	3,475	34,819	3
G EXP 67500	88 / 2700	8	23.7	71.9	2.9	30.1	0.5	33.3	34.6	3,192	33,119	2
G LEGACY	84 / 2400	7.6	20.4	73.7	2.9	38.6	0.7	37.9	32.5	3,063	29,891	2
MC 3221	84 / 2400	8.6	21.6	74.2	2.8	36.2	0.7	37.8	31.7	3,172	30,135	4
G EXP 84	84 / 2400	8	22.7	70.8	3.3	28.9	0.7	33.1	32.1	3,054	29,410	3
G 14T	80 / 2300	7.6	22.1	69.3	3.8	29.7	0.6	32.5	34.3	2,923	30,069	1
G HYTEST	79 / 2250	9.7	23.2	71.3	3	25.2	0.3	29	27.5	3,024	24,948	5
G RUSTLER	73 / 2200	9.5	20.9	77.2	2.3	34.7	0.99	36.8	26.6	3,466	27,696	6

Planted May 21, 2018
Harvested Oct 4, 2018

Pop.

Pop.

32,000 / acre

Test / Lab Milk 2
Soil / Sample Loam

Milk 2006 / Cummberland

le Loam
.1128 acres

Fertilizer Granular Starter & Beef Manure

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

Bileena Holsteins (Agassiz, BC)

G Greenfield Genetics

HY	BRID	RM / CHU	СР	NDFD 30 Hr	TDN	Lignin	Starch	Plant Pop.	DM	Ton/Acre 70% DM	Milk Lb per ton		Ranked by Yield
G	48-44	101 / 3000	7.9	23	69	3.7	24.4	31	23.9	30.8	2,904	26,791	4
G	43-35L	93 / 2850	8.3	22	77	2.3	34.9	27	30	34.6	3,659	37,980	1
G	SELECT	92 / 2800	8.3	22	76	2.6	33.5	29	30.4	32.6	3,484	34,104	3
G	PRIME	90 / 2750	6.9	19	76	2.8	40.6	31	33.6	33.8	3,543	35,951	2
G	EXP 262399	90 / 2750	8.1	22	74	3	30.1	28	28.2	20.3	3,196	19,424	9
G	EXP 33-50L	88 / 2700	8.2	26	73	2.8	22.5	26	28	28.9	2,862	24,821	6
G	EXP 27L	87 / 2650	9.5	25	75	2.4	26.9	26	29.5	24.5	3,261	23,968	8
G	LEGACY	84 / 2400	8.5	20	79	2	41.5	31	36.4	30.3	3,700	33,633	5
G	EXP 84	84 / 2400	8.4	23	75	2.6	30.6	31	34.1	28.3	3,337	28,289	7

Planted May 17, 2018
Harvested Sept 25, 2018

31,500 / acre

Test / Lab

Milk 2006 / Cummberland

Soil / Sample Peat

Peat .0558 acres

Fertilizer 4 gal. of NaChurs Fert. Plus Seaweed & Bacteria

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Sno-Valley Farms (Snohomish, WA)

G Greenfield Genetics CL Cropland MYC Mycogen DK Dekalb

нүвг	RID	RM / CHU	СР	NDFD 30 Hr	TDN	Lignin	Starch	Milk Line	DM	Ton/Acre 70% DM	Milk Lb per ton		Ranked by Yield
G	17X	83 / 2350	6	38	73.9	3.6	33.6	0.6	41.4	31.4	3,394	32,006	1
DK	32-12	82 / 2300	6.3	38.5	71.3	4.1	29.5	0.6	36.4	26.7	3,238	25,936	5
CP	22-88	82 / 2300	7.1	39.1	76.9	3.5	34.7	0.9	37.1	20.3	3,649	22,222	7
MYC	81-A45	81 / 2300	5.8	30.2	73.4	3.2	44.5	0.6	46.6	30.4	3,416	31,154	2
G	CALIBER	81 / 2350	7.1	36.5	76.2	3.4	37.8	0.7	39	30.3	3,593	32,660	3
G	14T	80 / 2300	6.4	34.2	76.2	3.1	43.4	0.8	42	30.2	3,610	32,707	4
G	HYTEST	79 / 2250	6.9	35.5	77.4	3.1	39	0.5	37.3	22.4	3,707	24,911	6

Planted May 18, 2018

Harvested Oct 9, 2018

Pop. 34,000 / acre

Test / Lab Milk 2006 / High Desert
Soil / Sample Clay Loam
Plot .001 acres

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Malabar Farms (Dewdney, BC)

HY	BRID	RM / CHU	СР	NDFD 30 Hr	TDN	Lignin	Starch	DM	Ton/Acre 70% DM	Milk Lb per ton	Milk Lb per acre	Ranked by Yield
G	EXP 84	84 / 2400	8.4	20	78.5	1.9	40.5	34.5	22.6	3,717	25,201	6
G	17X	83 / 2350	8.2	19.2	78.7	2.1	41.9	35.9	26.7	3,677	29,453	1
G	CALIBER	81 / 2350	8.7	23.4	74.8	2.3	32.5	32.3	23.9	3,523	25,260	2
G	14T	80 / 2300	8.1	20.5	77.2	2.5	37.5	35	23.8	3,590	25,633	3
Р	7958	80 / 2300	7.6	22.3	72.2	3.2	31.9	30.9	21.4	3,262	20,942	8
G	HYTEST	79 / 2250	9	22.1	72.4	2.8	26.2	24.7	21.9	3,032	19,920	7
G	EXP 706801	78 / 2250	8.7	19.3	78.2	2	39.3	35.1	23.5	3,676	25,916	4
G	EXP 706832	78 / 2250	9.1	19.1	76.3	2.3	38.8	33.5	21.1	3,580	22,661	9
G	EXP 6732	78 / 2250	9.6	21.5	75.2	2.3	36.3	30.4	21.1	3,565	22,566	9
G	RUSTLER	73 / 2200	7.8	19.1	77.3	2.4	40.5	37.8	23.1	3,412	23,645	5

Planted May 18, 2018

Test / Lab

Milk 2006 / Cummberland

Fertilizer

Granular Starter & Beef Manure

G Greenfield Genetics

P Pioneer

Harvested Sept 19, 2018 Pop. 32,000 / acre

Soil / Sample Clay Loam
Plot .047 acres

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

Harborace Holsteins (Agassiz, BC)

G Greenfield Genetics P Pioneer NDFD Milk Ton/Acre Milk Lb Milk Lb Ranked Line % **HYBRID** RM / CHU CP 30 Hr by Yield TDN Lignin Starch DM 70% DM per ton per acre 48-44 3 G 101 / 3000 8.7 23.7 73.1 29.6 0 28.2 31.4 3,361 31,661 **SELECT** 92 / 2800 8.7 74.1 30.5 0 27.8 29.7 3,237 29,730 G 22.1 2.5 5 21.1 0 6 G PRIME 90 / 2750 7.8 74.2 3 34.3 29.2 28.7 3,453 29,730 8673XR 86 / 2650 20.3 78.2 1.8 0.5 33.3 32.1 3,689 35,525 2 8 7 41.1 33.1 G 21G 86 / 2650 7.6 24.3 74.6 2.7 0.5 25.5 3.579 27,380 7 31.2 G **EXP 84** 84 / 2400 8.1 22.7 77.2 1.9 39.1 0.7 34 31.3 3,693 34,677 4 G 17X 83 / 2350 9.2 24.3 75.7 2.1 34.1 0.7 32.4 33 3,655 36,185 1 EXP 267885 80 / 2300 7.7 21.5 77.4 39.9 0.9 34.5 28.2 3,659 30,955 5 2 G EXP 220978 22.9 4 80 / 2300 8.3 75.6 2.3 36 0.8 31.8 29.9 3,608 32,364 80 / 2300 76.5 39 3,615 36,765 14T 8.7 22.5 2.2 0.8 34.4 33.9 78 / 2250 42.6 0.99 3.509 1 G **EXP 706832** 9.1 19.7 78.1 19 38.3 36.5 38,423

32.1

0.99

36.6

Planted May 22, 2018
Harvested Oct 4, 2018

Pop.

33,500 / acre

EXP 706801

Test / Lab Milk 20

9.6

Milk 2006 / Cummberland

73.9

24.3

Soil / Sample Loam
Plot .036 acres

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

3,331

30,388

G Greenfield Genetics DK Dekalb

3

30.4

Edaleen Dairy (Lynden, WA)

78 / 2250

Ton/Acre NDFD Milk Milk Lb Milk Lb Ranked Line % **HYBRID** CP Starch RM / CHU **TDN** DM by Yield 30 Hr Lignin 70% DM per ton per acre **PRIME** 3,709 G 90 / 2750 7.1 42.2 78 3.2 34.2 0 31.7 31.3 34,847 1 21G 86 / 2650 7.9 41.8 78 34 33.4 0.1 34 29.5 3,710 32,786 3 **EXP 84** 84 / 2400 7.6 69.3 21.7 31.7 3,048 22,181 7 G 42.2 4.6 0.7 24.3 **LEGACY** 84 / 2400 6.2 75.1 3.6 32.8 36.7 29.7 3,501 31,147 2 G 39.7 0.7 G 17X 83 / 2350 6.6 38.1 71.4 4.2 27.9 0.9 40 27.7 3,204 26,657 5 DK 32-12 82 / 2350 7.1 36.8 76.3 3.3 38.4 0.99 41.8 23.2 3,587 25,019 9 21.6 25.3 6 G CALIBER 81 / 2350 8.1 40.8 70.2 4.7 0.8 35.3 3,109 23,563 29.2 3,254 28,462 4 G 14T 80 / 2300 7.4 36.8 71.9 4.1 33.2 0.8 43.9 G **HYTEST** 79 / 2250 9 45.5 73.6 3.8 26.4 0.8 30.2 23.2 3,361 23,368 9 18,401 EXP 267819 75 / 2100 7.8 38.7 72.4 44 27.6 0.99 32.6 18.6 3,302 11 RUSTLER 73 / 2200 7.4 39.1 72.8 4.3 29.5 0.99 37.3 23.5 3,328 23,422 8

Planted May 28, 2018
Harvested Sept 28, 2018

32,000 / acre

Pop.

Test / Lab Milk 2006 /
Soil / Sample Clay Loam
Plot .09 acres

Milk 2006 / Cummberland

Fertilizer 2

4 gal. of NaChurs Fert.

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Hybrid Summary

				Herb	icide	I	nsect	t Tole	rance
Hybrid	Heat Units/RM	Trait Platform	Refuge Option	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		Υ			
30-30	2300 / RM 80	Conventional			Υ				
14T	2300 / RM 80	3122, GTCBLL, GT		Y		Υ	Υ	Υ	Υ
14T	2300 / RM 80	Conventional	14 T GT		Υ				
Caliber	2350 / RM 81	GT		Υ					
17X	2350 / RM 83	3000 GT, GT	17X GT	Υ		Υ			
17X	2350 / RM 83	Conventional			Y				
Legacy	2400 / RM 84	3000 GT, GT	Legacy GT	Y		Υ			
Legacy	2400 / RM 84	Conventional			Υ				
21G	2650 / RM 86	GT		Υ					
38-33L	2700 / RM 88	ConventionaL							
Prime	2750 / RM 90	GTCBLL, 3000 GT	21G GT	Y	Υ	Υ			
Prime	2750 / RM 90	Conventional							
Select	2800 / RM 92	GTCBLL	21G	Y		Υ			
43-35L	2850 RM 93	GT		Υ					
48-44	3000 / RM 101	3111	Patton	Υ		Υ	Υ	Υ	Υ
44Z	3100 / RM 104	3000 GT	Patton	Υ		Υ			
Jackson	3100 / RM 104	3122		Υ		Υ	Υ	Υ	Υ
Patton	3200 / RM 107	GT		Υ					
60-21	3300 / RM 111	GT		Υ					
61-53	3400 / RM 114	3000 GT	60-21 GT	Υ		Υ			

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

TRAIT	DESCRIPTION
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

CRW	Floury Grain Rating	Plant Height	SEEDLING	STALK	ROOT	DROUGHT	DISEASE	SILAGE APPEAL	STAY	DRYDOWN	TEST
	7	MT	9	8	8	7	8	8	8	6	9
	8	М	9	9	8	7	7	8	7	8	8
	7	MT	9	8	9	9	8	9	8	8	8
	10	М	7	9	8	8	8	9	8	7	10
	9	М	8	9	9	8	9	8	9	8	9
Υ	8	MT	7	8	8	7	7	8	7	8	7
	8	MT	8	8	8	7	9	8	7	8	7
	7	Т	8	8	8	7	9	9	7	8	7
Υ	7	Т	7	8	9	8	7	9	8	9	8
	7	Т	7	8	9	8	7	9	8	9	8
Υ	7	Т	7	9	9	8	8	9	8	9	8
	7	Т	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
Υ	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
Υ	8	Т	8	10	8	8	9	9	8	9	10
Υ	9	Т	8	9	8	8	7	10	8	7	8
Υ	9	Т	8	9	9	8	9	8	9	9	9
	7	VT	10	9	10	8	8	9	9	9	8
	8	Т	10	9	10	8	8	9	9	8	9
Υ	8	Т	8	9	9	8	7	8	9	8	8

dividual 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

Traits & Technology





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



AgrisureGT/CB/LL



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.



Agrisure3000GT



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



✓ Agrisur∈Viptera



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



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.



Fortenza

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



✓ Agrisur∈Viptera

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

Agrisure

- · 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.

Grower Programs

Early Payment Incentives Volume Incentives





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DEALER INFORMATION