























Greenfield 61-53  
Shenk Livestock - Homedale, Idaho

## *2019 Seed Guide*

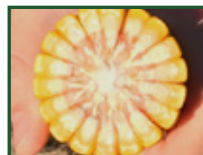
At Greenfield Genetics we are always thinking innovation. Our Research and Product Development Department accesses genetics and traits from all around the world combining only the best genetics that perform well on your farm. Numerous hybrids are tested every year across varying climate zones, this ensures 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

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

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

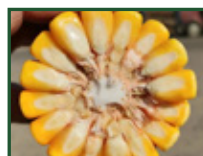
Organic

**Prime**CHU 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

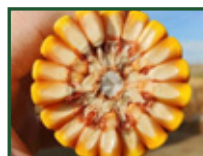
AgrisureGT

**48-44**CHU 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

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

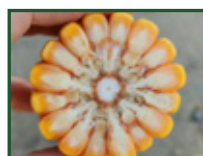
Agrisure3000GT 3122

**Patton**CHU 3200  
RM 107Strong spring vigor, upright leaf  
Dual purpose hybrid  
Superior root development

AgrisureGT

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

AgrisureGT

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

Agrisure3000GT



# Corn Plot Trials

## Mount Cheam Farms (Agassiz, BC)

**G** Greenfield Genetics **MC** Masters Choice

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

Planted May 21, 2018 Test / Lab Milk 2006 / Cummberland

Harvested Oct 4, 2018 Soil / Sample Loam

Pop. 32,000 / acre Plot .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.

## Moo Riah Dairy (Melba, ID)

**G** Greenfield Genetics **G** Pioneer **PGS** PGS Hybrids

HYBRID	RM	CP	NDFD 30 Hr	TDN	Lignin	Starch	DM	NEG	Milk Lb per ton	Milk Lb per acre	Ton/Acre 65% DM	Ranked by Yield
G 48-44	101	8.63	62.2	74	3.4	35.9	39.3	.58	3,464	<b>21,702</b>	<b>17.9</b>	<b>2</b>
P 0157 AMX	101	8.8	62.1	75.5	3.2	38	38.5	.6	3,574	21,390	17.1	3
G 44Z	104	8.4	62.1	75	3.1	38.7	38.9	.58	3,515	<b>22,637</b>	<b>18.4</b>	<b>1</b>
PGS 7337	107	7.8	60.4	74.8	3.5	33.2	33.9	.59	3,519	21,061	17.1	3

Planted June 14, 2018 Test / Lab Milk 2006 / High Desert Lab

Harvested Sept 24, 2018 Soil / Sample Clay Loam

Pop. 35,000 / acre Plot .31 acre

**\*\* Soil PH in field was over 8.1**

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

## Demshar Farms (Homedale, ID)

**G** Greenfield Genetics **DK** Dekalb

HYBRID	RM	CP	NDFD 30 Hr	TDN	Lignin	Starch	DM	NEG	Milk Lb per ton	Milk Lb per acre	Ton/Acre 65% DM	Ranked by Yield
G 60-21	111	6.8	62.1	72	3.2	41.7	47.5	.55	<b>3,299</b>	<b>37,873</b>	<b>32.8</b>	<b>1</b>
DK 57-97	107	6.4	58.7	70.1	3.6	41.2	52.1	.52	3,160	30,304	27.4	2

Planted April 17, 2018 Test / Lab Milk 2006 / High Desert Lab

Harvested Sept 8, 2018 Soil / Sample Silt Loam

Pop. 34,000 / acre Plot 1 acre

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

## Taggart Farms (Nampa, ID)

**G** Greenfield Genetics **D** Dekalb

HYBRID	RM	CP	NDFD 30 Hr	TDN	Lignin	Starch	DM	NEG	Milk Lb per ton	Milk Lb per acre	Ton/Acre 65% DM	Ranked by Yield
G 60-21	111	6.1	63.3	74	3.2	40.9	42.8	0.57	<b>3,434</b>	33,533	27.9	2
DK 67-88	117	7.6	57.8	64	4.8	30	49.7	0.42	2,654	25,916	27.9	2
G 61-53	114	7.1	57.9	69.9	4.3	33.6	42.2	0.51	3,142	<b>34,200</b>	<b>31.1</b>	<b>1</b>

Planted April 30, 2018 Test / Lab Milk 2006 / High Desert Lab

Harvested Sept 10, 2018 Soil / Sample Sandy Loam

Pop. 34,300 / acre Plot 5 acres

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



## Western Farms (Caldwell, ID) HIGH MOISTURE GRAIN TRIAL

**G** Greenfield Genetics

**P** Pioneer

HYBRID	RM	Actual Field Yield bushel per acre	DM % as Harvested	Yield at 23% DM adjusted Bushel per acre	Ranked by Yield
P PO 805 AM	108	277	23	277	2
<b>G 61-53</b>	114	269	20	<b>309</b>	<b>1</b>

Planted April 25, 2018 Sampled by Tony Weitz, Western Farms Owner

Harvested Sept 29, 2018 Soil / Sample Sandy Loam

Pop. 35,000 / acre Plot 1 acre

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

## Shenk Livestock (Homedale, ID) GRAIN TRIAL

**G** Greenfield Genetics

**P** Pioneer

HYBRID	RM / CHU	Actual Field Yield lb	DM % as Harvested	Bushel Weight	Bushel / Acre Adjusted to 15% DM	Ranked by Yield
P 0157 AMX	101	6440	15.9	60.3	231	2
<b>G 61-53</b>	114	6360	15.4	59.8	<b>235.4</b>	<b>1</b>

Planted April 27, 2018 Sampled by Dave Shenk, Shenk Livestock Owner

Harvested Nov 14, 2018 Soil / Sample Sandy Loam

Pop. 35,000 / acre Plot .47 acres

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



Greenfield 48-44  
Shenk Livestock - Homedale, Idaho



Greenfield 60-21  
Demshar Farms - Homedale, Idaho

# 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.



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.



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.



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.



## Grower Programs

Early Payment Incentives

Volume Incentives



**Greenfield Genetics**  
a division of Fraser Seeds Ltd.

29475 Fraser Highway Abbotsford BC V4X 1H2

Ph: 604.857.3355 Fax: 604.857.3311 E-mail: [info@greenfieldgenetics.com](mailto:info@greenfieldgenetics.com)

[www.greenfieldgenetics.com](http://www.greenfieldgenetics.com)

### DEALER INFORMATION

--