

Trial Two (A)

Wheat Variety Comparison

PW Farms



Intrepid Wheat

CDC Go

Seeding Date: May 5, 2023

Harvest Date: Aug 23, 2023

Trial Area: Cecil Lake, BC

Wheat Variety Comparison Trial

PW Farms —Cecil Lake BC

Project Goal: To compare yields of two common grown wheat varieties grown in the Peace Region.

Background: In a side by side comparison trial, two or more varieties are tested simultaneously under the same growing conditions to directly compare their effectiveness, performance, and characteristics. This type of trial allows for a direct comparison of the varieties being tested, often to determine which is superior or more suitable for a particular purpose. Both trials were treated the same throughout the growing season, the only variations would be natural variability in the field.

Fertility: 90-43-0-16 blend put down in a mid row band.

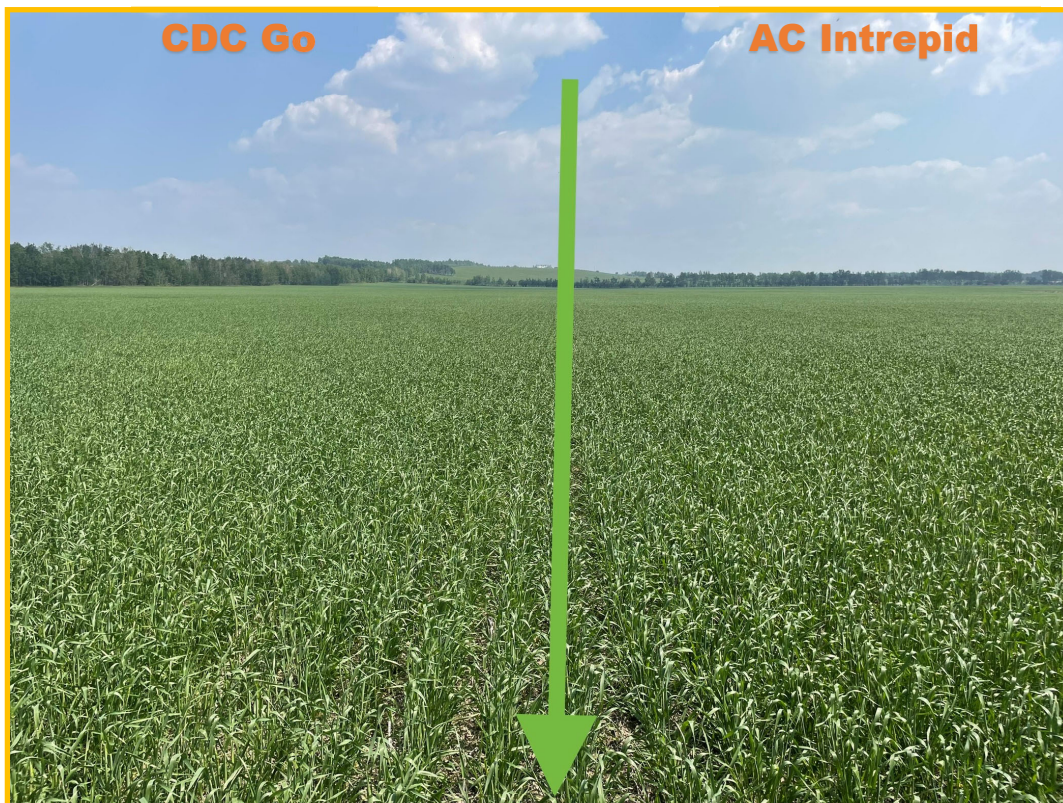
Seeding Equipment: Bourgault precision drill with 10 inch row spacing .

Seeding Rate: 2 bushels per acre.

Herbicide: Everest and MCPA. **Please see seed distribution company for more information*

AC Intrepid: This variety is a hard red spring wheat that has been adapted to the Canadian prairies. The variety was registered in 1997 for it's high grain yield, early maturity, awn less short strong straw, increased protein, and bushel weight. It has a R rating for cereal diseases: leaf rust, stem rust, and common bunt. This variety is suited for western Black and Grey wooded soil (BC Peace Region) and is known for its good quality and high protein.

CDC Go: This variety is a high yielding semi-dwarf HRSW variety, and was registered in 2004. known for its strong straw (semi dwarf) . Resistant to bunt, moderate resistance to leaf rust, and R to MR for stem rust. MR to MS for loose smut.



June 23, 2023

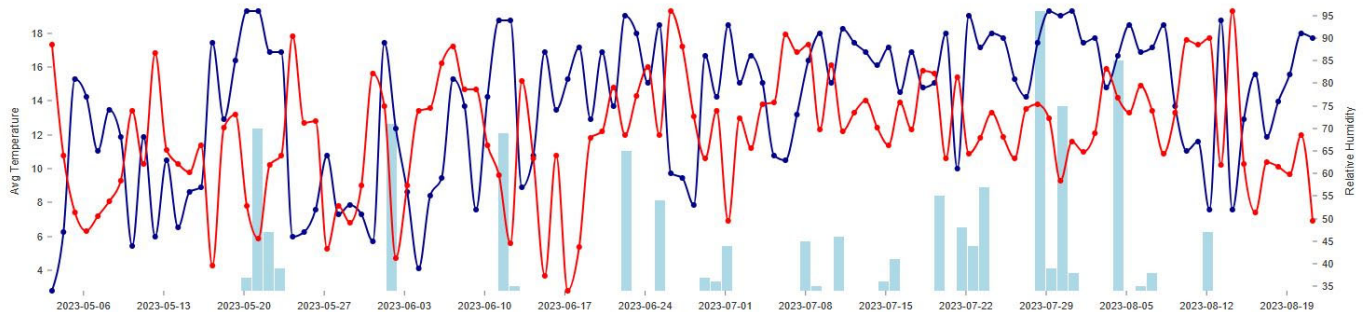
Weather May 5th - August 23, 2023

Weather data was pulled from the BC Peace Agri Weather Network (Flatrock station)

SUMMARY

Number of Days:	110	Average Temperature:	12.0
Lowest Temperature:	1.9 °C	Highest Temperature:	32.7 °C
Total Rainfall:	121.41 mm	Normal Rainfall:	206.78 mm (59% of Normal)

Temperature, Humidity and Rainfall

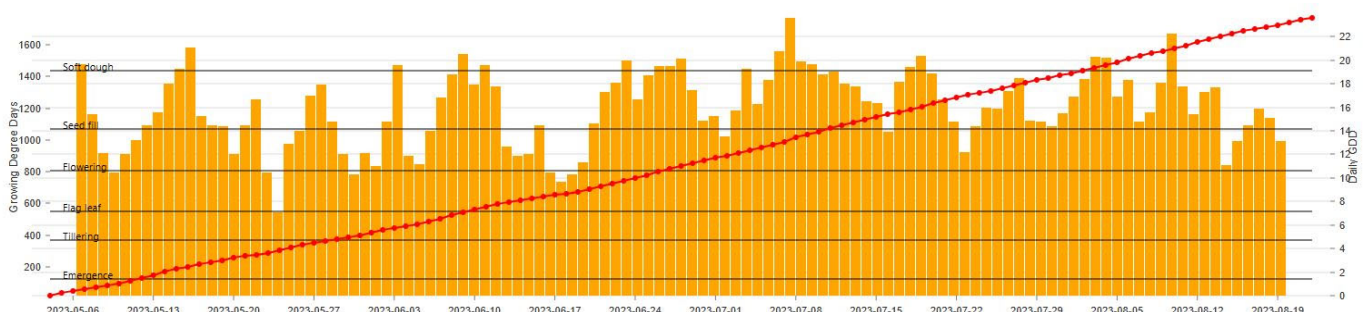


Growing Degree Day Summary

SUMMARY

Number of Days:	111		
	Actual	Normal	% of Normal
GDD Base 0C	1767	1458	121%
GDD Base 5C	1212	910	133%
GDD Base 10C	660	408	162%

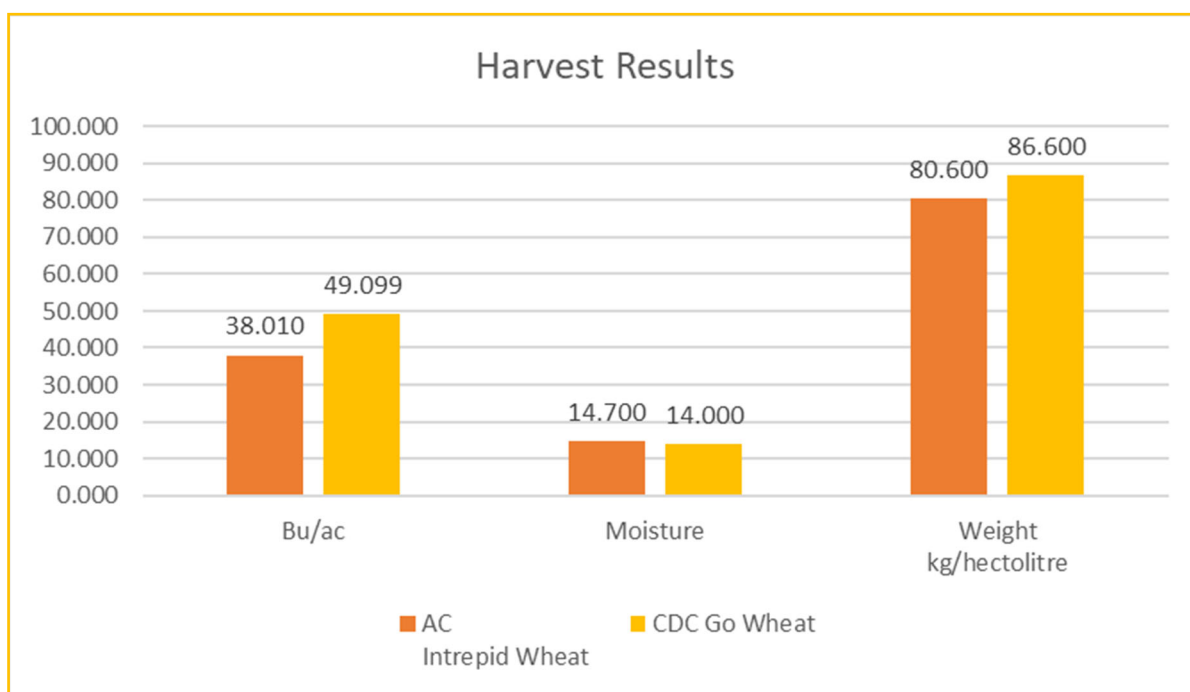
GDD Chart



Wheat Yield Data

Yield Results

	Acres	Lbs	Tonne	Bushels	Bu/ac	Moisture	Weight kg/hectolitre
AC Intrepid Wheat	3.270	7456.000	3.383	124.303	38.010	14.700	80.600
CDC Go Wheat	3.280	9660.000	4.383	161.040	49.099	14.000	86.600



Grain Sample Results

Variety	Grade	TWT	DON (Raptor)	Falling Number	Moisture %	Protein
AC INTREPID	1CW RS	388	< 0.3	408	14.4	13.5
CDC GO	1CW RS	402	< 0.3	362	14	13.5

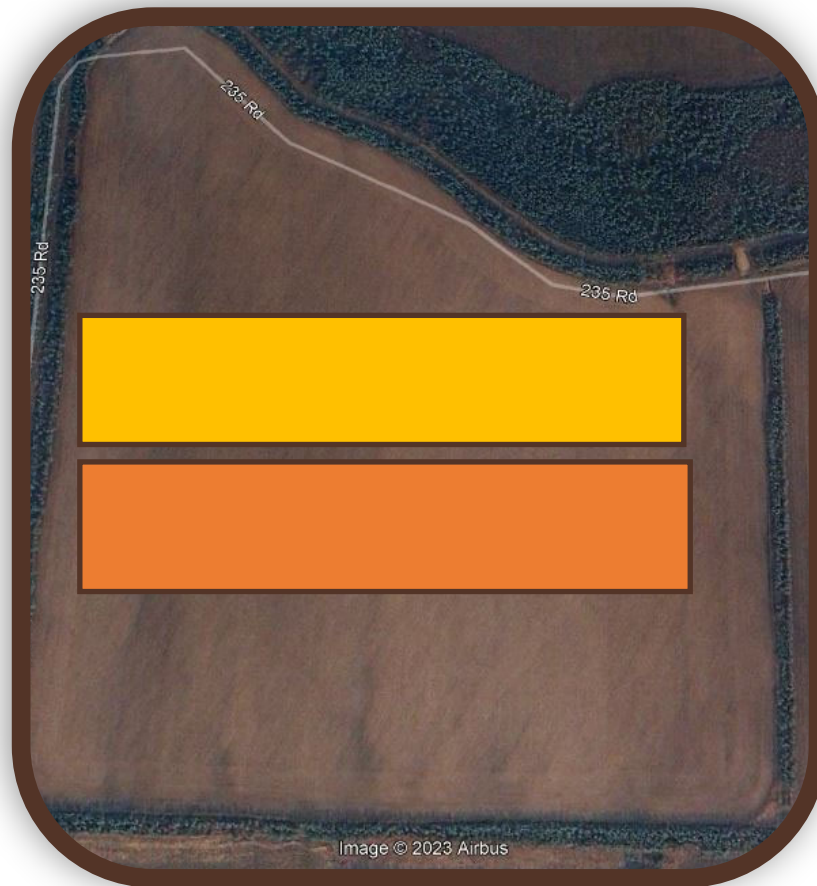
* Grain samples sent to the Canadian Grain Commission

The only difference noted at harvest was harvesting the intrepid was more difficult as it was unawned and harder to thresh.

Trial Two (B)

Oat Variety Comparison Trial

PW Farms



Camden

Kyron

Seeding Date: May 5, 2023

Harvest Date: September 14, 2023

Trial Area: Cecil Lake, BC

Oat Variety Comparison Trial

PW Farms—Cecil Lake, BC

Project Goal: To compare yield of two oats varieties grown in the BC Peace Region.

Background: In a side by side comparison trial, two or more varieties are tested simultaneously under the same growing conditions to directly compare their effectiveness, performance, and characteristics. This type of trial allows for a direct comparison of the varieties being tested, often to determine which is superior or more suitable for a particular purpose. Both trials were treated the same throughout the growing season, only variations would be natural variability in the field.

Fertility: 70-35-10-0 blend put down in a mid row band

Seeding Equipment: Bourgault precision drill with 10 inch row spacing **Seeding Rate:** 3 Bu per

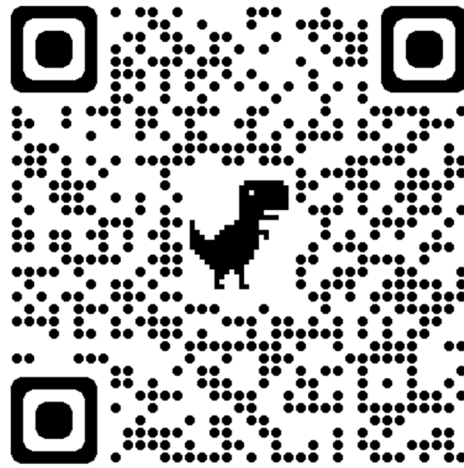
Herbicide: Refine SG

Camden Oats: *(Description from seed company)* A very high yielding oat with excellent lodging resistance. Grower and miller approved with high yields and improved quality. Shorter stature, with better lodging resistance, high leaf biomass, better grain quality than Triactor - higher % plump, less thins, higher beta glucan, approved milling variety.

Kyron Oats: *(Description from seed company)* White Milling Oat: a new milling oat with high yield potential (similar to CS Camden), similar height with CS Camden with good standability, earlier maturity compared with current varieties (-3d vs. CDC Ruffian, -2d vs. CDC Endure, -1d vs. CDC Arborg).

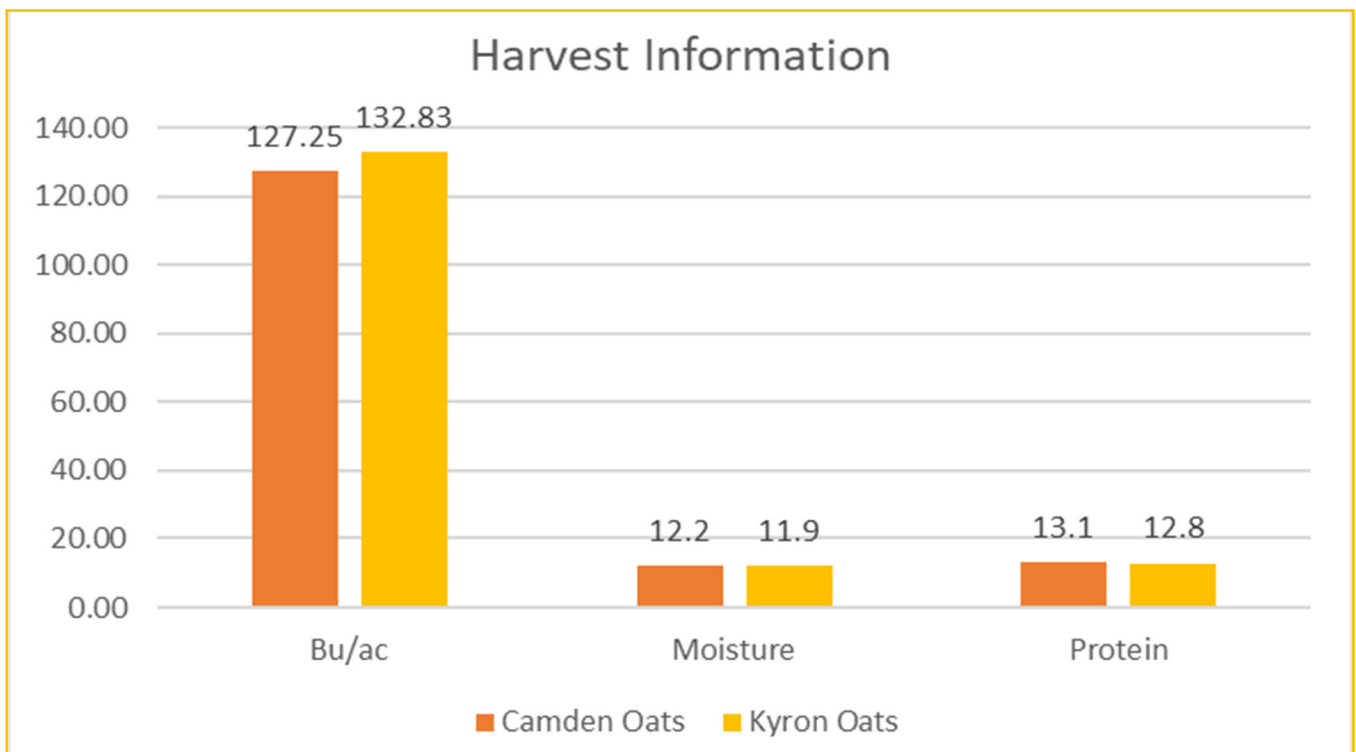


↑ Scan QR Code to visit seed company website—CAMDEN



↑ Scan QR Code to visit seed company website—Kyron

Yield Results					
	Acres	Lbs	Ton	Bushels	Bu/ac
Camden Oats	1.210	5238.00	2.38	153.97	127.25
Kyron Oats	1.210	5468.00	2.48	160.73	132.83



Grain Samples Results				
Variety	Grade	TWT	Moisture	Protein
CS Camden	1CW	260	12.2	13.1
Kyron	1CW	260	11.9	12.8