NE 16-28-03 W4

*Smigelski Site

For any questions please contact the CARA office at 403-664-3777






WWW.CHINOOKAPPLIEDRESEARCH.CA
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Smigelski Site Map

Because this site is so large, we have decided to split up the site plan to make it easier for you to see the varieties and treatments.

The complete site plan is available on CARA's website.

- Page # 4 Regional Variety Trials
- Page # 8 AWC Fertility Trial
- Page # 10 Ultra Early Seeded Wheat
- Page # 12 ABC Fertility Trial
- Page # 14 Phos rates on peas
- Page # 16 Soil Health Benefits from Crop Diversity
- Page # 18 Cover Crops Variety
- Humaterra applications—coming soon

REGIONAL VARIETY TRIAL PROGRAM (RVT)

The RVT program is responsible for generating unbiased post-registration information for varieties of wheat, barley, oat, rye, triticale, flax, field pea, chickpea, lentil, dry bean and faba bean

The Alberta Regional Variety Trial program (RVT) is the most trusted source of various information for producers in Alberta. Farmers need accurate, regional and the most current variety information to stay competitive.

The goal of the RVT trials are to provide cereal, flax and pulse crop growers, and industry and extensions specialists with scientifically valid crop variety performance information under different agro-climatic conditions. Data is published in the Alberta Seed Guide and in Alberta Agriculture Varieties of Cereal and Oilseed crops for Alberta pamphlet

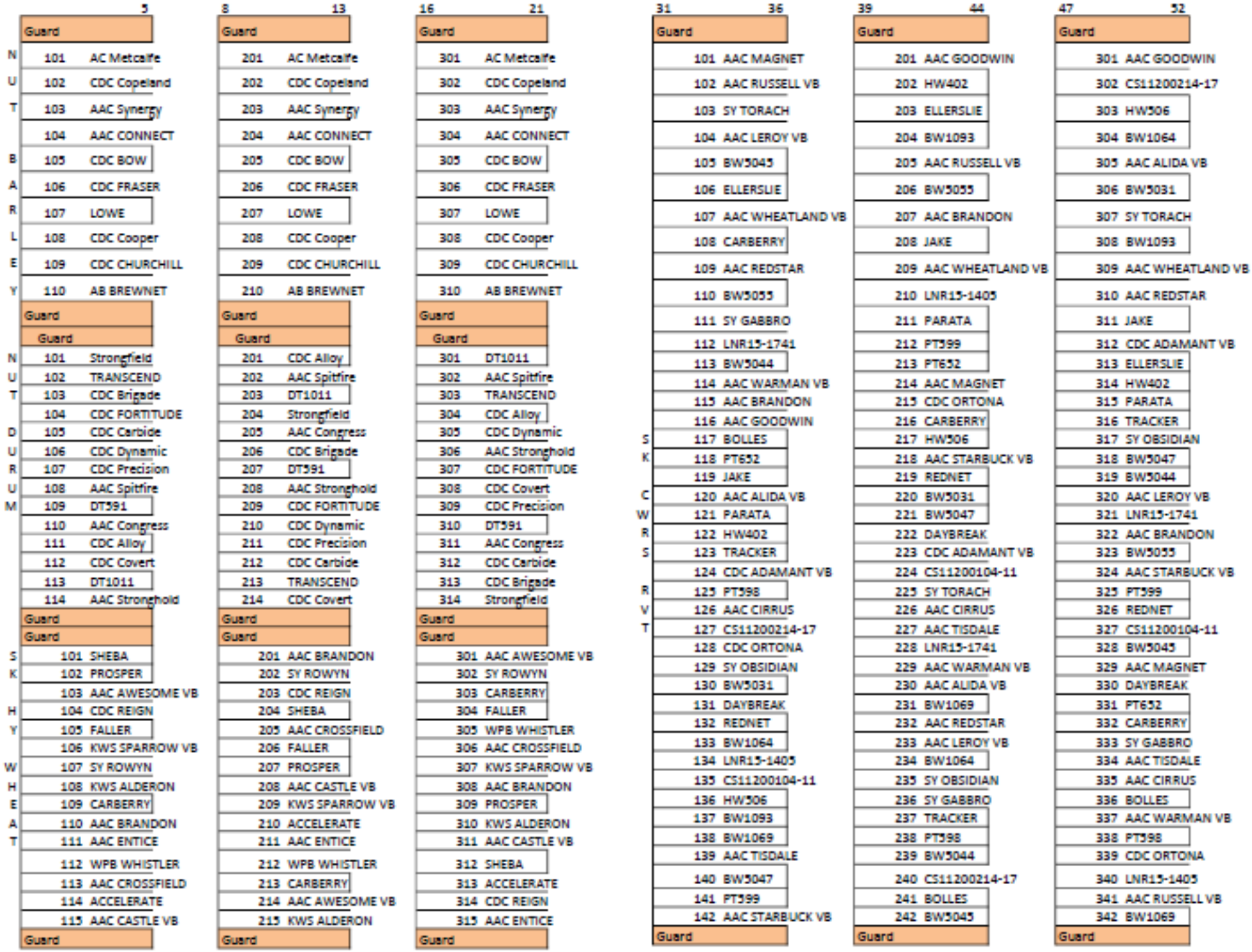
This site includes yellow & green peas, lentils, flax,wheat, durum, triticale & faba beans

Thank you to our Contributors & Sponsors

Alberta Barley
Alberta Wheat
Alberta Oat Growers Commission
Prairie Oat Growers Association
Alberta Seed Processors
Alberta Agriculture and Forestry
ASG Alberta Seed Growers

Chinook Applied Research Association CARA

For any questions please contact the CARA office at 403-664-3777


5
Guard
NUTBARLEY
101 AC Metcalfe
102 CDC Copeland
103 AAC Synergy
104 AAC CONNECT
105 CDC BOW
106 CDC FRASER
107 LOWE
108 CDC Cooper
109 CDC CHURCHILL
110 AB BREWNET
Guard
Guard
NUTDURUM
101 Strongfield
102 TRANSCEND
103 CDC Brigade
104 CDC FORTITUDE
105 CDC Carbide
106 CDC Dynamic
107 CDC Precision
108 AAC Spitfire
109 DT591
110 AAC Congress
111 CDC Alloy
112 CDC Covert
113 DT1011
114 AAC Stronghold
Guard
Guard
SKHYWHEAT
101 SHEBA
102 PROSPER
103 AAC AWESOME VB
104 CDC REIGN
105 FALLER
106 KWS SPARROW VB
107 SY ROWYN
108 KWS ALDERON
109 CARBERRY
110 AAC BRANDON
111 AAC ENTICE
112 WPB WHISTLER
113 AAC CROSSFIELD
114 ACCELERATE
115 AAC CASTLE VB
Guard
8 13
Guard
201 AC Metcalfe
202 CDC Copeland
203 AAC Synergy
204 AAC CONNECT
205 CDC BOW
206 CDC FRASER
207 LOWE
208 CDC Cooper
209 CDC CHURCHILL
210 AB BREWNET
Guard
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201 CDC Alloy
202 AAC Spitfire
203 DT1011
204 Strongfield
205 AAC Congress
206 CDC Brigade
207 DT591
208 AAC Stronghold
209 CDC FORTITUDE
210 CDC Dynamic
211 CDC Precision
212 CDC Carbide
213 TRANSCEND
214 CDC Covert
Guard
Guard
201 AAC BRANDON
202 SY ROWYN
203 CDC REIGN
204 SHEBA
205 AAC CROSSFIELD
206 FALLER
207 PROSPER
208 AAC CASTLE VB
209 KWS SPARROW VB
210 ACCELERATE
211 AAC ENTICE
212 WPB WHISTLER
213 CARBERRY
214 AAC AWESOME VB
215 KWS ALDERON
Guard
16 21
Guard
301 AC Metcalfe
302 CDC Copeland
303 AAC Synergy
304 AAC CONNECT
305 CDC BOW
306 CDC FRASER
307 LOWE
308 CDC Cooper
309 CDC CHURCHILL
310 AB BREWNET
Guard
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301 DT1011
302 AAC Spitfire
303 TRANSCEND
304 CDC Alloy
305 CDC Dynamic
306 AAC Stronghold
307 CDC FORTITUDE
308 CDC Covert
309 CDC Precision
310 DT591
311 AAC Congress
312 CDC Carbide
313 CDC Brigade
314 Strongfield
Guard
Guard
301 AAC AWESOME VB
302 SY ROWYN
303 CARBERRY
304 FALLER
305 WPB WHISTLER
306 AAC CROSSFIELD
307 KWS SPARROW VB
308 AAC BRANDON
309 PROSPER
310 KWS ALDERON
311 AAC CASTLE VB
312 SHEBA
313 ACCELERATE
314 CDC REIGN
315 AAC ENTICE
Guard
31 36
Guard
101 AAC MAGNET
102 AAC RUSSELL VB
103 SY TORACH
104 AAC LEROY VB
105 BW5045
106 ELLERSLIE
107 AAC WHEATLAND VB
108 CARBERRY
109 AAC REDSTAR
110 BW5055
111 SY GABBRO
112 LNR15-1741
113 BW5044
114 AAC WARMAN VB
115 AAC BRANDON
116 AAC GOODWIN
SKCWRSRVT
117 BOLLES
118 PT652
119 JAKE
120 AAC ALIDA VB
121 PARATA
122 HW402
123 TRACKER
124 CDC ADAMANT VB
125 PT598
126 AAC CIRRUS
127 CS11200214-17
128 CDC ORTONA
129 SY OBSIDIAN
130 BW5031
131 DAYBREAK
132 REDNET
133 BW1064
134 LNR15-1405
135 CS11200104-11
136 HW506
137 BW1093
138 BW1069
139 AAC TISDALE
140 BW5047
141 PT599
142 AAC STARBUCK VB
Guard
39 44
Guard
201 AAC GOODWIN
202 HW402
203 ELLERSLIE
204 BW1093
205 AAC RUSSELL VB
206 BW5055
207 AAC BRANDON
208 JAKE
209 AAC WHEATLAND VB
210 LNR15-1405
211 PARATA
212 PT599
213 PT652
214 AAC MAGNET
215 CDC ORTONA
216 CARBERRY
217 HW506
218 AAC STARBUCK VB
219 REDNET
220 BW5031
221 BW5047
222 DAYBREAK
223 CDC ADAMANT VB
224 CS11200104-11
225 SY TORACH
226 AAC CIRRUS
227 AAC TISDALE
228 LNR15-1741
229 AAC WARMAN VB
230 AAC ALIDA VB
231 BW1069
232 AAC REDSTAR
233 AAC LEROY VB
234 BW1064
235 SY OBSIDIAN
236 SY GABBRO
237 TRACKER
238 PT598
239 BW5044
240 CS11200214-17
241 BOLLES
242 BW5045
Guard
47 52
Guard
301 AAC GOODWIN
302 CS11200214-17
303 HW506
304 BW1064
305 AAC ALIDA VB
306 BW5031
307 SY TORACH
308 BW1093
309 AAC WHEATLAND VB
310 AAC REDSTAR
311 JAKE
312 CDC ADAMANT VB
313 ELLERSLIE
314 HW402
315 PARATA
316 TRACKER
317 SY OBSIDIAN
318 BW5047
319 BW5044
320 AAC LEROY VB
321 LNR15-1741
322 AAC BRANDON
323 BW5055
324 AAC STARBUCK VB
325 PT599
326 REDNET
327 CS11200104-11
328 BW5045
329 AAC MAGNET
330 DAYBREAK
331 PT652
332 CARBERRY
333 SY GABBRO
334 AAC TISDALE
335 AAC CIRRUS
336 BOLLES
337 AAC WARMAN VB
338 PT598
339 CDC ORTONA
340 LNR15-1405
341 AAC RUSSELL VB
342 BW1069
Guard

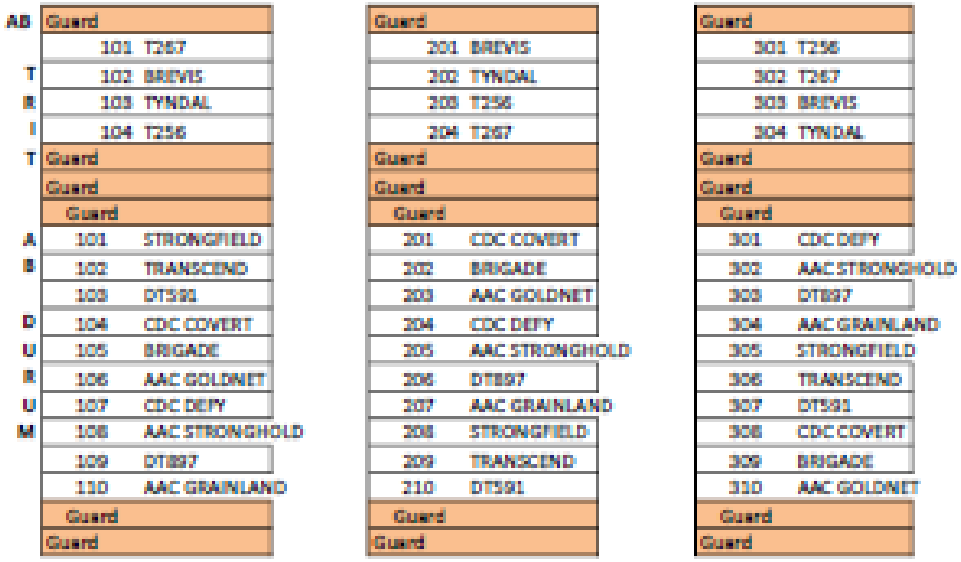
	62–67	70–75	78–83	86–91
	Guard	Guard	Guard	Guard
	101 CDC Lewochko	201 LN4228	301 AAC Delhi	401 CDC Inca
Y	102 LN4228	202 AAC Delhi	302 CDC Canary	402 AAC Carver
E	103 CDC Ardill	203 CDC Inca	303 CDC Ardill	403 AAC Lacombe
L	104 CDC Athabasca	204 CDC Amarillo	304 CDC Spectrum	404 CDC Athabasca
L	105 CDC Inca	205 AAC Lacombe	305 AAC Barrhead	405 CDC Lewochko
O	106 AAC Delhi	206 AAC Profit	306 AAC Carver	406 LN4228
W	107 AAC Barrhead	207 CDC Canary	307 AAC Lacombe	407 CDC Spectrum
	108 AAC Carver	208 CDC Ardill	308 LN4228	408 AAC Barrhead
P	109 CDC Amarillo	209 CDC Lewochko	309 CDC Inca	409 CDC Amarillo
E	110 CDC Canary	210 AAC Carver	310 CDC Athabasca	410 AAC Delhi
A	111 AAC Profit	211 CDC Spectrum	311 CDC Amarillo	411 CDC Ardill
	112 AAC Lacombe	212 CDC Athabasca	312 CDC Lewochko	412 AAC Profit
	113 CDC Spectrum	213 AAC Barrhead	313 AAC Profit	413 CDC Canary
	Guard	Guard	Guard	Guard
	Guard	Guard	Guard	Guard
G	101 AAC COMFORT	201 CDC LIMERICK	301 GARDE	401 AAC COMFORT
	102 GARDE	202 CDC FOREST	302 BLUEMAN	402 GARDE
P	103 CDC LIMERICK	203 BLUEMAN	303 CDC SPRUCE	403 BLUEMAN
E	104 CDC FOREST	204 GARDE	304 CDC LIMERICK	404 CDC SPRUCE
A	105 BLUEMAN	205 CDC SPRUCE	305 AAC COMFORT	405 CDC FOREST
	106 CDC SPRUCE	206 AAC COMFORT	306 CDC FOREST	406 CDC LIMERICK
	Guard	Guard	Guard	Guard
AB	Guard	Guard	Guard	Guard
P	101 0	201	301	Guard
H	102 15 lbs MAP	202	302	Guard
O	103 30lbs MAP	203	303	Guard
S	104 15 lbs MAP*	204	304	Guard
	Guard	Guard	Guard	Guard
	Guard	Guard	Guard	Guard
F	101 DL Tesoro	201 CDC 219-16	301 NPZ 16.7610	401 NPZ 16.7601
A	102 Malik	202 NPZ 16.7601	302 DL Tesoro	402 CDC 219-16
B	103 NPZ 16.7601	203 NPZ 16.7610	303 NPZ 16.7601	403 NPZ 16.7610
A	104 CDC 219-16	204 Malik	304 Fabelle	404 Snowbird
	105 NPZ 16.7610	205 Fabelle	305 Malik	405 Fabelle
	106 Snowbird	206 DL Tesoro	306 Snowbird	406 DL Tesoro
	107 Fabelle	207 Snowbird	307 CDC 219-16	407 Malik
	Guard	Guard	Guard	Guard

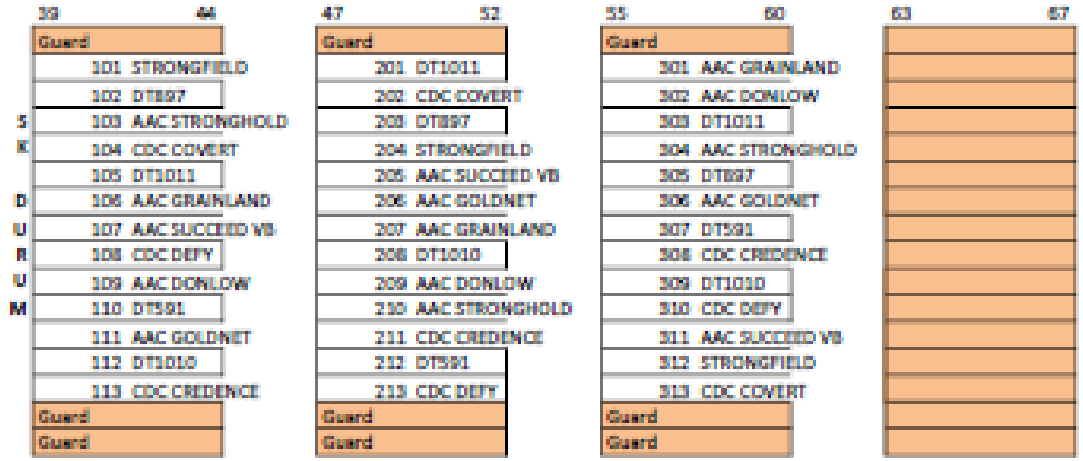
* no insecticide

	101–106	109–114	117–122	125–130
	Guard	Guard	Guard	Guard
L	101 CDC Proclaim	201 CDC Simmie	301 CDC Proclaim	401 CDC Lima CL
E	102 CDC Nimble	202 CDC Maxim CL	302 CDC Impulse CL	402 CDC Simmie
N	103 CDC Simmie	203 CDC Proclaim	303 CDC Lima CL	403 CDC Nimble
T	104 CDC Maxim CL	204 CDC Lima CL	304 CDC Nimble	404 CDC Impulse CL
I	105 CDC Impulse CL	205 CDC Nimble	305 CDC Simmie	405 CDC Maxim CL
L	106 CDC Lima CL	206 CDC Impulse CL	306 CDC Maxim CL	406 CDC Proclaim
	Guard	Guard	Guard	Guard

A	Guard	Guard	Guard	Guard
B	101 CDC GLAS	201 CDC BETHUNE	301 FP2573	
	102 CDC BETHUNE	202 AAC BRIGHT	302 CDC GLAS	
F	103 AAC BRIGHT	203 FP2573	303 CDC DORADO	
L	104 FP2573	204 CDC DORADO	304 AAC BRIGHT	
A	105 CDC DORADO	205 CDC GLAS	305 CDC BETHUNE	
X	Guard	Guard	Guard	Guard

	Guard	Guard	Guard	
S	101 CS Camden	201 CFA1502	301 CS Camden	
K	102 CDC Skye	202 CS Camden	302 ORe3541M	
	103 CDC Arborg	203 AAC Douglas	303 CDC Skye	
O	104 ORe3542M	204 CDC Arborg	304 ORe3542M	
A	105 ORe3541M	205 ORe3541M	305 CDC Endure	
T	106 AAC Douglas	206 CDC Endure	306 CFA1502	
S	107 CFA1502	207 ORe3542M	307 AAC Douglas	
	108 CDC Endure	208 CDC Skye	308 CDC Arborg	
	Guard	Guard	Guard	


AB
Guard
101 T267
T 102 BREVIS
R 103 TYNDAL
I 104 T256
T
Guard
Guard
Guard
A 101 STRONGFIELD
B 102 TRANSCEND
103 DT591
D 104 CDC COVERT
U 105 BRIGADE
R 106 AAC GOLDNET
U 107 CDC DEFY
M 108 AAC STRONGHOLD
109 DT897
110 AAC GRAINLAND
Guard
Guard
Guard
201 BREVIS
202 TYNDAL
203 T256
204 T267
Guard
Guard
Guard
201 CDC COVERT
202 BRIGADE
203 AAC GOLDNET
204 CDC DEFY
205 AAC STRONGHOLD
206 DT897
207 AAC GRAINLAND
208 STRONGFIELD
209 TRANSCEND
210 DT591
Guard
Guard
Guard
301 T256
302 T267
303 BREVIS
304 TYNDAL
Guard
Guard
Guard
301 CDC DEFY
302 AAC STRONGHOLD
303 DT897
304 AAC GRAINLAND
305 STRONGFIELD
306 TRANSCEND
307 DT591
308 CDC COVERT
309 BRIGADE
310 AAC GOLDNET
Guard
Guard


39 44
Guard
101 STRONGFIELD
102 DT897
S 103 AAC STRONGHOLD
K 104 CDC COVERT
105 DT1011
D 106 AAC GRAINLAND
U 107 AAC SUCCEED VB
R 108 CDC DEFY
U 109 AAC DONLOW
M 110 DT591
111 AAC GOLDNET
112 DT1010
113 CDC CREDENCE
Guard
Guard
47 52
Guard
201 DT1011
202 CDC COVERT
203 DT897
204 STRONGFIELD
205 AAC SUCCEED VB
206 AAC GOLDNET
207 AAC GRAINLAND
208 DT1010
209 AAC DONLOW
210 AAC STRONGHOLD
211 CDC CREDENCE
212 DT591
213 CDC DEFY
Guard
Guard
55 60
Guard
301 AAC GRAINLAND
302 AAC DONLOW
303 DT1011
304 AAC STRONGHOLD
305 DT897
306 AAC GOLDNET
307 DT591
308 CDC CREDENCE
309 DT1010
310 CDC DEFY
311 AAC SUCCEED VB
312 STRONGFIELD
313 CDC COVERT
Guard
Guard
63 67

AWC WHEAT FERTILITY TRIAL

Evaluation of Various Nitrogen Sources on Wheat Yield & Quality

This trial evaluates the effect of different nitrogen rates and sources (urea and ammonium sulphate) applied with the seed, at flag leaf and flowering.
Yield and protein are monitored.

This trial is replicated 4 times with the 18 treatments randomized in each replication. The outside are guards that are consistent through all the replications.

This trial is funded by

Alberta Wheat

CHINOOK APPLIED RESEARCH ASSOCIATION
CARA

For any questions please contact the CARA office at 403-664-3777

Alberta Wheat Fertility Trial

Based on Soil analysis from the site with VERY Low N and P

Guard	
101	TRT-5
102	TRT-7
103	TRT-14
104	TRT5
105	TRT-1
106	TRT-12
107	TRT-15
108	TRT-13
109	TRT-16
110	TRT-18
111	TRT-11
112	TRT-4
113	TRT14
114	TRT-2
115	TRT5
116	TRT-9
117	TRT-17
118	TRT-8
Guard	

Guard	
201	TRT-4
202	TRT-2
203	TRT-5
204	TRT-15
205	TRT-7
206	TRT-12
207	TRT-9
208	TRT-8
209	TRT-13
210	TRT 5
211	TRT-6
212	TRT-17
213	TRT-14
214	TRT-16
215	TRT1
216	TRT-18
217	TRT17
218	TRT-10
Guard	

Guard	
301	TRT-18
302	TRT-2
303	TRT-5
304	TRT-8
305	TRT-9
306	TRT-17
307	TRT-1
308	TRT-11
309	TRT-15
310	TRT-12
311	TRT-6R
312	TRT-16
313	TRT5
314	TRT17
315	TRT17
316	TRT-3
317	TRT-4
318	TRT-14
Guard	

Guard	
401	TRT-6
402	TRT-2
403	TRT-8
404	TRT-18
405	TRT-14
406	TRT-16
407	TRT-11
408	TRT-9
409	TRT-10
410	TRT1
411	TRT17
412	TRT-7
413	TRT5
414	TRT-5
415	TRT-12
416	TRT-13
417	TRT-15
418	TRT-4
Guard	

seeding depth 1.5 "
Fert depth 3"
Seeding Date: May 13, 2020

Rec rate 2020 soil analysis Fert Rate
N: 80 for 40 bu
P: 40

	Flag	Flower
Application dates:	July 9-10	

Treatments

TRT-1 Control P-K
TRT-2 0.5 N Rec N mix
TRT-3 0.5 N Rec Ammonium Sulfate
TRT-4 0.5 N Rec + 20lb/a liquid UAN at flag leaf
TRT-5 0.5 N Rec + 20lb/a liqN N NH4(SO4) at flag leaf
TRT-6 0.5 N Rec + 20lb/a Broadcast N mix at Post Flowering
TRT-7 0.5 N Rec + 20lb/a Broadcast NH4(SO4)2 at post Flowering
TRT-8 0.5 N Rec + 20lb/a Broadcast NH4(SO4)2 at flag stage
TRT-9 Rec N Rate Mix N
TRT-10 Rec N Ammonium Sulfate
TRT-11 N Rec + 20 broadcast lb NH4(SO4)2 at flag stage
TRT-12 Rec N + 20lb/a Broadcast NH4(SO4)2 at post flowering
TRT-13 N Rec + 20 liquid lb NH4(SO4)2 at flag stage
TRT-14 Rec N + 20lb/a liquid NH4(SO4)2 at flag leaf and post flowering
TRT-15 Rec N+ 20lb/a liquid UAN at flag leaf
TRT-16 Rec N+ 20lb/a liquid at NH4(SO4) post flowering
TRT-17 Rec N + 20lb/a Broadcast NH4(SO4) at flag leaf
TRT-18 Rec N + 20lb/a Broadcast N Mix at Post Flowering

AWC ULTRA EARLY SEEDED WHEAT

Advantages of Seeding Spring Wheat Ultra-Early in Alberta

This trial will compare maturity, yield, grain quality from 2 varieties of wheat (AAC Brandon and AAC Connery) seeded as early as possible compared with a conventional seeding date.

This trial is replicated 4 times and randomized in each replication. The outside are guards that are consistent through all the replications.

This trial is funded by

Alberta Wheat

CANADIAN AGRICULTURAL PARTNERSHIP

CHINOOK APPLIED RESEARCH ASSOCIATION CARA

For any questions please contact the CARA office at 403-664-3777

		5
	Guard	
	101	E1
U	102	E2
L	103	E3
T	104	E4
R	105	E5
A	106	E6
	Guard	
E	Guard	
A	101	N1
R	102	N2
L	103	N3
Y	104	N4
	105	N5
	106	N6
	Guard	

8		13
Guard		
201	E3	
202	E6	
203	E2	
204	E4	
205	E1	
206	E5	
Guard		
Guard		
201	N3	
202	N6	
203	N2	
204	N4	
205	N1	
206	N5	
Guard		

16		21
Guard		
301	E6	
302	E1	
303	E3	
304	E5	
305	E2	
306	E4	
Guard		
Guard		
301	N6	
302	N1	
303	N3	
304	N5	
305	N2	
306	N4	
Guard		

24		29
Guard		
401	E5	
402	E3	
403	E6	
404	E4	
405	E1	
406	E2	
Guard		
Guard		
401	N5	
402	N3	
403	N6	
404	N4	
405	N1	
406	N2	
Guard		

ABC BARLEY FERTILITY TRIAL

Evaluation of Various Fertilizer and Mycorrhizae Applications on Barley

The objectives of this trial includes evaluation of different levels of nitrogen and phosphorus evaluates the effect of different nitrogen sources (fertilizer rates applied with the seed.
Yield and protein are monitored.

This trial is replicated 4 times with the 18 treatments randomized in each replication. The outside are guards that are consistent through all the replications.

This trial is funded by

Alberta Barley

CHINOOK APPLIED RESEARCH ASSOCIATION
CARA

For any questions please contact the CARA office at 403-664-3777

M = Metcalf

	Guard
	101 M - Myco
	102 M - 80N 40P Myco
A	103 C - 80N 40P Myco
B	104 M - 40N 40P
C	105 M - 80N 20P
	106 C - No fertilizer
F	107 M - 120N 40P
E	108 C - 40N 40P
R	109 C - 80 N 40 P Myco
T	110 C - 120N 40P
	111 C - Myco
	112 C - 80N 40P
	113 C - 120N 40P
	114 M - 80N 40P
	115 M - No fertilizer
	116 M - 80N 20P Myco
	Guard
	Guard
	Guard

C = CDC Cowboy

Guard
201 M - No fertilizer
202 C - 80N 20P Myco
203 M - 80N 20P Myco
204 M - 80N 20P
205 M - 80N 40P
206 C - 40N 40P
207 C - No fertilizer
208 C - 120N 40P
209 M - 120N 40P
210 M - 80N 40P Myco
211 M - 40N 40P
212 C - 80N 40P Myco
213 M - No fertilizer
214 C - 80N 40P
215 C - No fertilizer
216 C - 80N 20P
Guard
Guard
Guard

Myco = Mycorrhizae

Guard
301 C - 120N 40P
302 C - No fertilizer
303 M - 80N 40P Myco
304 M - No fertilizer
305 C - 40 N 40P
306 M - 40 N 40P
307 M - 90N 20P
308 C - Myco
309 M - 120N 40P
310 C - 80N 40P Myco
311 M - 80N 20P Myco
312 C - 80N 40P
313 M - Myco
314 M - 80N 40P Myco
315 C - 80N 20P Myco
316 C - 80N 20P
Guard
Guard
Guard

Guard
401 C - Myco
402 C - 40 N 40P
403 C - 80N 20P
404 C - No fertilizer
405 M - 80N 40P Myco
406 M - 80N 20P Myco
407 M - No fertilizer
408 M - 120N 40P
409 M - 80N 40P Myco
410 M - Myco
411 C - 80N 40P Myco
412 M - 40 N 40P
413 C - 120N 40P
414 C - 80N 20P Myco
415 C - 80N 40P
416 M - 90N 20P
Guard
Guard
Guard

PHOSPHORUS RATES ON FIELD PEAS

Evaluation of phosphorus rates on field peas

Adequate levels of phosphorus are known to influence yield and maturity in field peas. The impact of monoammonium phosphate (MAP) fertilizer will evaluated on the yield and quality of Meadow field peas.

This trial is replicated 4 times with the 4 treatments randomized in each replication. The outside are guards that are consistent through all the replications.

This trial is funded by

ALBERTA PULSE GROWERS

CHINOOK APPLIED RESEARCH ASSOCIATION CARA

For any questions please contact the CARA office at 403-664-3777

AB	Guard			Guard		Guard		
P	101	0		201		301		
H	102	15 lbs MAP		202		302		
O	103	30lbs MAP		203		303		
S	104	15 lbs MAP*		204		304		
	Guard			Guard		Guard		

SOIL HEALTH BENEFITS FROM CROP DIVERSITY

Evaluation of Soil Health Benefits from Improved Crop Diversity in Alberta

The impact from several rotations, including pulses, cereals and oilseeds as well as cocktail mixes, on soil health was initiated in 2020.

This trial is replicated 4 times with the 4 treatments randomized in each replication. The outside are guards that are consistent through all the replications.

This trial is funded by

ALBERTA PULSE GROWERS

CANADIAN AGRICULTURAL PARTNERSHIP

CHINOOK APPLIED RESEARCH ASSOCIATION CARA

For any questions please contact the CARA office at 403-664-3777

	77		82
	Guard		
C	101	Peas	
R	102	Lentils	
O	103	Peas	
P	104	Lentils	
	105	CCC Mix 1	
D	106	CCC Mix 2	
I	107	CCC Mix 3	
V	108	CCC Mix 4	
E	109	CCC Mix 1	
R	110	CCC Mix 2	
S	111	CCC Mix 3	
I	112	CCC Mix 4	
T	113	Wheat	
Y	114	Wheat	
	Guard		

85		90
Guard		
201	Lentils	
202	CCC Mix 1	
203	Wheat	
204	Peas	
205	Wheat	
206	CCC Mix 2	
207	CCC Mix 2	
208	CCC Mix 4	
209	CCC Mix 4	
210	CCC Mix 3	
211	CCC Mix 1	
212	CCC Mix 3	
213	Peas	
214	Lentils	
Guard		

93		98
Guard		
301	CCC Mix 1	
302	CCC Mix 1	
303	Wheat	
304	Lentils	
305	Peas	
306	CCC Mix 3	
307	CCC Mix 2	
308	Peas	
309	CCC Mix 3	
310	CCC Mix 4	
311	CCC Mix 4	
312	CCC Mix 2	
313	Wheat	
314	Lentils	
Guard		

101		106
Guard		
401	Peas	
402	CCC Mix 4	
403	Lentils	
404	Wheat	
405	CCC Mix 4	
406	CCC Mix 3	
407	CCC Mix 1	
408	Lentils	
409	CCC Mix 2	
410	Peas	
411	CCC Mix 2	
412	CCC Mix 3	
413	CCC Mix 1	
414	Wheat	
Guard		

COVER CROPS VARIETY TRIALS

Utilizing cover crops by planting them early in the growing season can provide producers with improved soil health, a high quality source of forage, and a longer grazing season.

Cocktail crops have traditionally been used to help hold the soil when transitioning between different types of cash crops, and are often plowed down before planting the next crop to add organic material and fertility to the soil. Farmers with livestock often select cover crops that can be grazed, adding an additional benefit as feed and the advantage of additional nutrients from animal manure.

An annual and alternative cover crop variety trial at this site is to evaluate the annual and alternative cover crops for grazing & soil health purposes.

10 different varieties were seeded (each variety was replicated three times for each of the seeding methods). Varieties used were:
- Forage Radish
- Japanese Millet
- Forage Turnip
- Sorghum Sudan Grass
- Red Siberian Millet
- Plantain
- Forage Kale
- Chicory
- Forage Brassica &
- Phacelia

CHINOOK APPLIED RESEARCH ASSOCIATION
CARA

For any questions please contact the CARA office at 403-664-3777

	140	145	148	153	156	161	164	169
	Guard		Guard		Guard		Guard	
	101	FORAGE RADISH	201	SORGUM SUDAN GR	301	FORAGE KALE	401	HYBRID RY
A	102	HYBRID RYE	202	MILLET	302	CHICORY	402	FORAGE R
L	103	FORAGE TURNIP	203	PLANTAIN	303	FORAGE BBRASSICA	403	FORAGE TI
T	104	SORGUM SUDAN GR	204	FORAGE KALE	304	PHACELIA	404	MILLET
E	105	MILLET	205	CHICORY	305	FORAGE RADISH	405	PLANTAIN
R	106	PLANTAIN	206	FORAGE BBRASSICA	306	FORAGE TURNIP	406	SORGUM S
N	107	FORAGE KALE	207	PHACELIA	307	HYBRID RYE	407	CHICORY
	108	CHICORY	208	FORAGE RADISH	308	PLANTAIN	408	FORAGE B
	109	FORAGE BBRASSICA	209	FORAGE TURNIP	309	SORGUM SUDAN GR	409	PHACELIA
	110	PHACELIA	210	HYBRID RYE	310	MILLET	410	FORAGE K
	Guard		Guard		Guard		Guard	