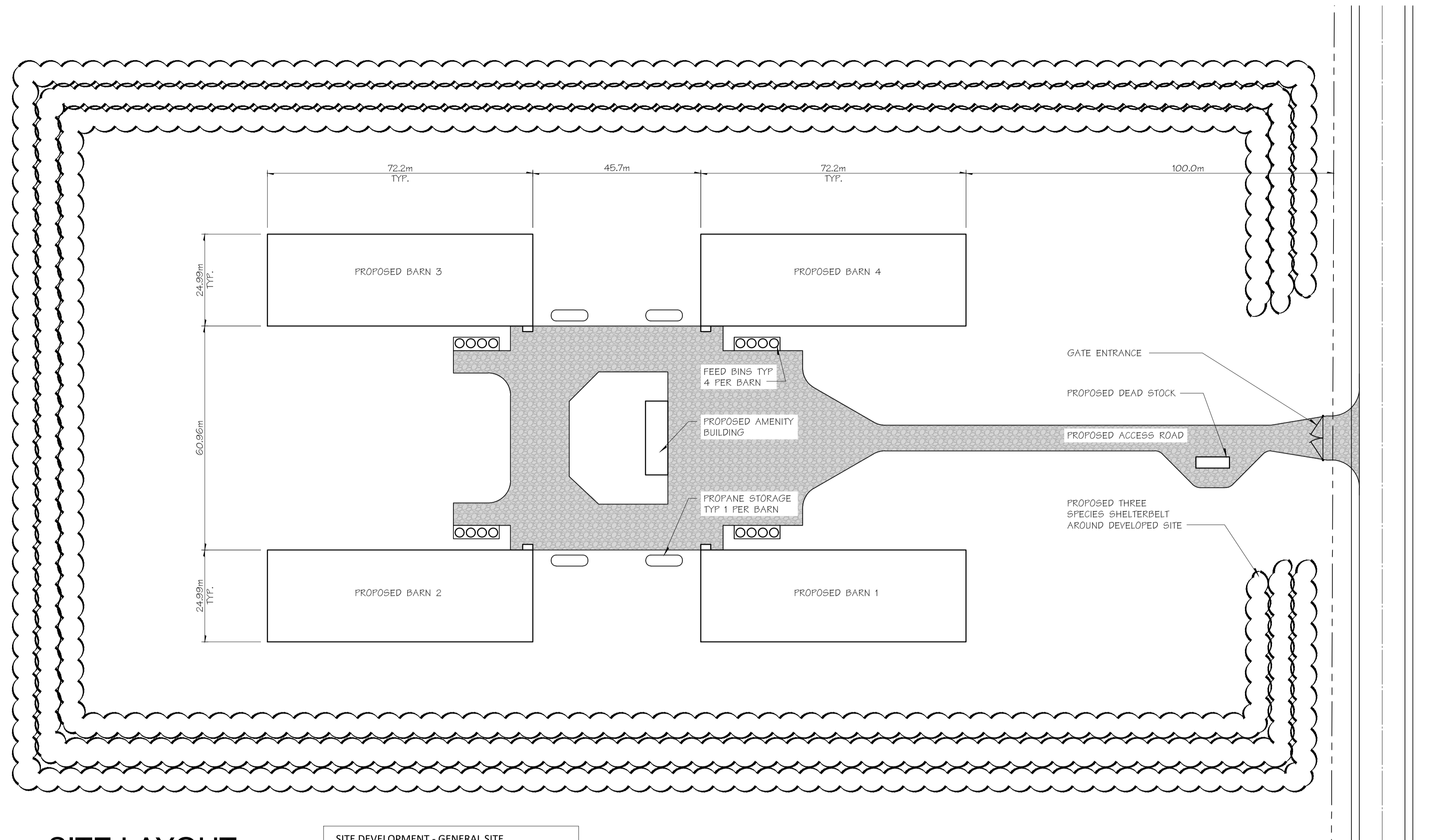


# RM of Argyle - Proposed Site



0 10 20 30 40 50 60 70 80 90 100mm



# SITE LAYOUT

1:500

SITE DEVELOPMENT - GENERAL SITE	
ITEM	SYMBOL
PROPERTY LINE	---

## PRESENTATION DRAWING

ISSUE (AND REVISION)		
02	2020-02-11	CONCEPT DRAWING, ISSUED FOR REVIEW
NO. (REV.)	DATE	DESCRIPTION
PRINTED DATE: 2/26/2020 4:03:37 PM		INITIAL(S)

ENGINEER'S SEAL

**NOTE TO CONTRACTOR:**  
 THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO DGH IN WRITING. DO NOT RELY ON SCALED DIMENSIONS. WRITTEN DIMENSIONS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTACT THE ENGINEER FOR CLARIFICATIONS IF NECESSARY. THIS DRAWING SHALL NOT BE USED FOR BUILDING PERMIT OR CONSTRUCTION PURPOSES UNLESS IT IS SEALED AND SIGNED BY THE ENGINEER RESPONSIBLE FOR THE WORK.

**DGH ENGINEERING LTD.**  
 CIVIL | STRUCTURAL | MECHANICAL | ELECTRICAL | INDUSTRIAL  
 12 Aviation Boulevard  
 St. Andrews MB R1A 3N5 Canada  
 T: 204-334-8846  
 F: 204-334-6965  
 www.dghengineering.com

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CLIENT	<b>HYLIFE LTD.</b> BOX 100 LA BROQUERIE, MB. ROA OWO	
DESIGNED	DRAWN	COORDINATOR
DATE	SCALE	X'REF PATH(S)
FEB/2020	AS NOTED	PROJECT/DWG

PROJECT TITLE	<b>2020 DEEP PIT NURSERY BARNs</b>	
PROJECT LOCATION	LA BROQUERIE, MB.	
PROJECT NUMBER:	PENDING	
SITE LAYOUT	<b>C1</b> REV. 0 R00	

0 10 20 30 40 50 60 70 80 90 100mm

# Animal Units Calculator

A	B	C	Current Operation		Proposed Operation	
			D	E	F	G
Operation Type	Animal Categories	Animal Units per Head	Current Number of Animals <sup>1</sup>	Current Animal Units	Proposed Number of Animals <sup>2</sup>	Proposed Number of Animal Units
Dairy <sup>3</sup>	Mature cows (lactating and dry) including associated livestock	2		-		-
	Mature cows (lactating and dry)	1.35		-		-
	Heifers (0 to 3 months)	0.16		-		-
	Heifers (4 to 13 months)	0.41		-		-
	Heifers (> 13 months)	0.87		-		-
	Bulls	1.35		-		-
	Veal calves	0.13		-		-
Beef	Beef cows including associated livestock	1.25		-		-
	Backgrounder	0.5		-		-
	Summer pasture / replacement heifers	0.625		-		-
	Feeder cattle	0.769		-		-
Pigs	Sows - farrow to finish (234-254 lbs)	1.25		-		-
	Sows - farrow to weaning (up to 11 lbs)	0.25		-		-
	Sows - farrow to nursery (51 lbs)	0.313		-		-
	Boars (artificial insemination units)	0.2		-		-
	Weanlings, Nursery (11-51 lbs)	0.033	24,000	792		-
	Growers / Finishers (51-249 lbs)	0.143		-		-
Chickens	Broilers	0.005		-		-
	Roasters	0.01		-		-
	Layers	0.0083		-		-
	Pullets	0.0033		-		-
	Broiler breeder pullets	0.0033		-		-
	Broiler breeder hens	0.01		-		-
Turkeys	Broilers	0.01		-		-
	Heavy Toms	0.02		-		-
	Heavy Hens	0.01		-		-
Horses	Mares	1.333		-		-
Sheep	Ewes	0.2		-		-
	Feeder lambs	0.063		-		-
Other Livestock	Type:			-		-
	Type:			-		-
Total Current:				792	Total Proposed:	-

**Footnotes:**

<sup>1</sup> Enter the current number of animals on the farm based on the operation's capacity (animal places) or previous Conditional Use Approval.

<sup>2</sup> Enter the total number of animals associated with the operation post construction or expansion.

<sup>3</sup> There are 2 methods for calculating animal units for dairy (Farm Practices Guidelines for Dairy Producers in Manitoba, 1995). You can enter the total number of mature cows in the milking herd under the "Mature cows (lactating and dry) including associated livestock" category and the animal units will be calculated by multiplying this number by 2. This calculation assumes 85 lactating, 15 dry, 12 heifers (0 to 3 months), 36 heifers (4 to 13 months) and 50 heifers (> 13 months) for an operation with 100 mature cows. "Associated livestock" includes all of the heifer calves and replacement heifers. Alternatively, you can enter animal numbers in the individual categories (mature cows, heifers (0 to 3 months), heifers (4 to 13 months) and heifers (> 13 months)) and they will be summed at the bottom of the table. Bulls and veal calves are always calculated separately.

For all other livestock or operation types please inquire with [Manitoba Agriculture and Resource Development](#)

# Water Requirement Calculation Table

Livestock	Number	IG/day per animal in winter	IG/day per animal in summer	IG/day (Imperial gallons per day)
<b>Beef/Dairy/Bison *</b>				
Feeder/heifer/steer (600 lb.)		5	9	-
Feeder (900 lb.)		7	12	-
Feeder (1250 lb.)		10	15	-
Cow/calf pair		12	15	-
Dry milking cow **		10	12	-
Lactating cow **		25	30	-
Bison		8	10	-
<b>Horses</b>				
Horses		8	11	-
<b>Hogs</b>				
Sow (Farrow/wean)			5.5	-
Dry Sow/Boar			4	-
Feeder			2	-
Nursery (33 lb.)	24,000		1	24,000
<b>Chickens</b>				
Broilers			0.035	-
Roasters/Pullets			0.04	-
Layers			0.055	-
Breeders			0.07	-
<b>Turkeys</b>				
Turkey Growers			0.13	-
Turkey Heavies			0.16	-
<b>Sheep/Goats</b>				
Sheep/Goats			2	-
Ewes/Does			3	-
Lambs/Kids (90 lb.)			1.6	-
<b>TOTAL (IG/day)</b>				<b>24,000</b>
***				
<b>TOTAL with 10% wash water</b>				<b>26,400</b>

\* For beef, dairy, bison and horse enterprises:  
Use summer numbers if appropriate for the operation. Otherwise base projections on winter values.  
Always use the greater of the two values.

\*\* For intensive Dairy operations, please use the Dairy Barn Water Requirement Calculator found on separate sheet.

\*\*\* 10% of the total is added to allow for wash water

**Other consumption:**  
Normal household consumption:  
60-75 IG/day per person or  
(272-340 l/day/person)

Unit Conversions		
Total per day	Total per year	Unit
26,400	9,636,000	IG
109,104	39,822,960	litres
0.109	40	cubic decametres (dam <sup>3</sup> )

Conversion Factor: 1 IGPM = 4.546 l/m

Please note that the Water Requirement Calculator is an estimation only.

Animal Type (A)	Animal Sub-type (B)	Daily Manure Production				Production Period <sup>2</sup> (Days) (G)	Number of Animals <sup>3</sup> (Capacity) (H)	Total Manure Volume (ft <sup>3</sup> ) (F <sub>X</sub> G <sub>X</sub> H)	Total Manure Volume for Semi-Solid and Liquid Manure (Imp Gal)	
		References (C)	Manure Type (D)	Default Manure Production (ft <sup>3</sup> /animal/day) (E)	Operation Manure Production <sup>1</sup> (ft <sup>3</sup> /animal/day) (F)					
Dairy (milking cows <sup>4</sup> and associated livestock)	Free Stall	Table 6, pg 59, FPGs for Dairy 1995	Semi-Solid <sup>5</sup>	3.5				-	0.0	
			Solid	3.4				-		
			Liquid <sup>5</sup>	3.5				-	0.0	
	Tie Stall		Semi-Solid <sup>5</sup>	3.6					-	0.0
			Solid	3.5					-	
			Liquid <sup>5</sup>	3.6					-	0.0
	Loose Housing			Solid	3.0				-	
Milking Parlour Manure and Washwater		Liquid	0.5							
Beef	Beef cows including associated livestock	pg 117, FPGs for Hogs 1998	Solid	1.2				-		
	Backgrounder (200 day)		Solid	0.73				-		
	Summer pasture / replacement heifers		Solid	0.85				-		
	Feeder cattle		Solid	1.1				-		
Pigs	Sows - farrow to finish (234 - 254 lbs)	MAFRI website, FPGs for Pigs 2007	Liquid	2.3				-	0.0	
	Sows - farrow to wean (up to 11 lbs)		Liquid	0.8				-	0.0	
	Sows - farrow to nursery (51 lbs)		Liquid	1				-	0.0	
	Weanlings, Nursery (11 - 51 lbs)		Liquid	0.1	0.1	250.00	24,000	600,000.00	3,738,000.0	
	Grower / Finisher (51 - 249 lbs)		Liquid	0.25					-	0.0
Animal Type	Type of Operation	Yearly Manure Production		Production Period <sup>2</sup> (Days)	Number of Birds <sup>3</sup> (Capacity)	Total Manure Volume (ft <sup>3</sup> ) (F/365xGxH)	Total Manure Volume for Semi-Solid and Liquid Manure (Imp Gal)			
		Default Manure Production (ft <sup>3</sup> /year/bird space)	Operation Manure Production <sup>1</sup> (ft <sup>3</sup> /year/bird space)							
Chickens	Broilers – floor <sup>6</sup>	Table 3, pg 85, FPGs for Poultry 2000		1.23				-		
	Broiler breeder hens <sup>7</sup>			2.3				-		
	Broiler breeder pullets <sup>6</sup>			0.99				-		
	Roasters – floor <sup>6</sup>			1.16				-		
	Layers – cage <sup>8</sup>			2.33				-	0.0	
	Layers – floor <sup>7</sup>			1.68				-		
	Layers – solid pack <sup>9</sup>							-		
	Pullets – cage <sup>8</sup>			0.71				-	0.0	
	Pullets – floor <sup>6</sup>			0.75				-		
Pullets – solid pack <sup>9</sup>						-				
Turkeys	Broilers <sup>6</sup>	Table 3, pg 85, FPGs for Poultry 2000		2.83				-		
	Heavy toms <sup>6</sup>			5.58				-		
	Heavy hens <sup>6</sup>			3.32				-		

Sizing of a manure storage facility in accordance with all requirements of the *Livestock Manure and Mortalities Management Regulation (M.R. 42/98)* is the responsibility of the operator.

**Instructions and footnotes:**

<sup>1</sup> ENTER the manure production estimate for your operation. If no estimate is available, use the default value provided in column E. References for default daily and yearly manure production are provided in column C.

<sup>2</sup> ENTER the number of days worth of manure that will be produced. For earthen manure storage facilities the minimum storage requirement is 400 days. For steel and concrete manure storage facilities the minimum storage requirement is 250

<sup>3</sup> ENTER the total number of animals or birds that the operation can hold (e.g. barn or feedlot capacity).

<sup>4</sup> Milking cows includes all lactating and dry cows.

<sup>5</sup> Default manure production estimates for semi-solid and liquid dairy manure include manure and washwater from the milking parlour.

<sup>6</sup> 2 inches of wood shavings or 4 inches of straw placed on floor. Manure and litter removed from barn at 25% moisture content, with a density of 20 lb/ft<sup>3</sup>

<sup>7</sup> One-third litter floor, two-thirds slatted floor. Manure and litter removed from barn at 40% moisture content, with a density of 25 lb/ft<sup>3</sup>

<sup>8</sup> Manure removed from barn at 90% moisture content with a density of 59 lb/ft<sup>3</sup>

<sup>9</sup> Poultry operations using litter (solid pack) must provide an estimate of yearly manure production

### Existing and Proposed Manure Storage Facility Dimension Table

If applicable, indicate the dimensions of any existing manure storage facility (MSF) that will be used to store manure from the proposed project:

CELL	Existing Manure Storage Facility Dimensions						Storage Capacity (days)
	Width	Length	Depth	Height (Above Grade)	Slope (H:L)		
					Inside	Outside	
Primary	ft	ft	ft	ft			
Secondary	ft	ft	ft	ft			
Tertiary	ft	ft	ft	ft			
Circular Tank	Diameter	Height	Depth (Above Grade)				
	ft	ft	ft				

Permit/Registration # \_\_\_\_\_



CELL	Existing Manure Storage Facility Dimensions						Storage Capacity (days)
	Width	Length	Depth	Height (Above Grade)	Slope (H:L)		
					Inside	Outside	
Primary	ft	ft	ft	ft			
Secondary	ft	ft	ft	ft			
Tertiary	ft	ft	ft	ft			
Circular Tank		Diameter	Height	Depth			
		ft	ft	ft			

Permit/Registration # \_\_\_\_\_



If available, indicate the dimensions of any proposed manure storage facility (MSF) that will be used to store manure from the proposed project:

CELL	Proposed Manure Storage Facility Dimensions						Storage Capacity (days)
	Width	Length	Depth	Height (Above Grade)	Slope (H:L)		
					Inside	Outside	
Primary	24.99m	72.2m	12 ft		N/A	N/A	250
Secondary	ft	ft	ft	ft			
Tertiary	ft	ft	ft	ft			
Circular Tank		Diameter	Height	Depth			
		ft	ft	ft			

The construction, modification or expansion of any manure storage structure requires a permit from Manitoba Sustainable Development as per the *Livestock Manure and Mortalities Management Regulation (M.R. 42/98)*.





**Manure Application Field Characteristics Table - Shiraz Nursery**

	A	B	C	D	E	F	G	H	I	J
Field	Legal Description	Rural Municipality	O/C/L /A	Total Acreage	Setbacks	Net Acreage For Application	Ag Capability Class/Subclass	Soil Phos (0-6" Olsen ppm)	Development Plan Designation	Zoning
1	NW-10-06-14-W	Argyle	A	120	15	105	2MT	18	Rural/Agricultural	AG - Agricultural General
2	NE-10-06-14-W	Argyle	A	160	4	156	2MT	10	Rural/Agricultural	AG - Agricultural General
3	SW-10-06-14-W	Argyle	A	160	77	83	2W	8	Rural/Agricultural	AG - Agricultural General
4	NW-09-06-14-W	Argyle	A	160	64	96	2T	15	Rural/Agricultural	AG - Agricultural General
5	NE-09-06-14-W	Argyle	A	180	2	178	2T	8	Rural/Agricultural	AG - Agricultural General
6	SE-09-06-14-W	Argyle	A	80	0	80	2W	24	Rural/Agricultural	AG - Agricultural General
7	SW-09-06-14-W	Argyle	A	160	106	54	2W	11	Rural/Agricultural	AG - Agricultural General
8	SE-16-06-14-W	Argyle	A	160	4	156	2T	23/20	Rural/Agricultural	AG - Agricultural General
9	SW-16-06-14-W	Argyle	A	160	0	160	2T	15	Rural/Agricultural	AG - Agricultural General
10	SW-15-06-14-W	Argyle	A	80	18	62	3M/5N	18	Rural/Agricultural	AG - Agricultural General
11	SW-14-06-14-W	Argyle	A	160	10	150	3M	15	Rural/Agricultural	AG - Agricultural General
12	E-17-6-14-W	Argyle	A	205	35	170	2T/6NW	28	Rural/Agricultural	AG - Agricultural General
13										
14										
15										
16										
17										
18										
19										
20										
<b>Total Net Acreage for Manure</b>						<b>1450</b>				

**CROP ROTATION TABLE**



A	B	C	D	E
Expected Crops in the Rotation	Acreage	Historical Yield	Units	Source of Yield Information
<b>Total Net Acreage for Manure Application</b>				

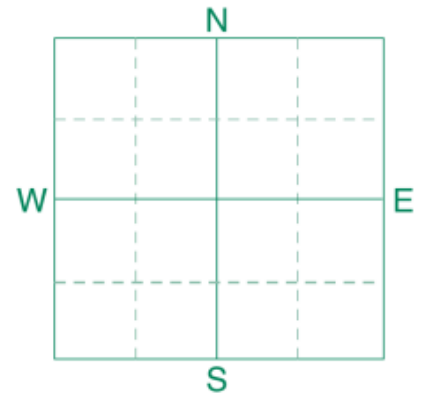
- A. List all of the crop(s) to be grown in the rotation on the acreage that will receive manure.
- B. Indicate the average acreage for each crop over the rotation. For example, if there are 720 suitable acres available for manure and approximately 40 these acres will be used to grow canola, enter 288. The total of column B should add up to Total Net Acreage for Manure Application provided in the Manure Application Field Characteristic Table.
- C. Enter the historical yield average for each crop. Long-term yield averages can be determined using MASC data (<http://www.masc.mb.ca/masc.nsf/index.html?OpenPage>) or on-farm yield records. If on-farm yield records are used, please provide copies.
- D. Enter the units for the yields provided (e.g. bu/acre, tons/acre).
- E. Enter the source of the historical yield average provided.



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 Northwood: (701) 587-6010  
 Benson: (320) 843-4109

## SOIL TEST REPORT

FIELD ID **1**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **6** RANGE **14-W**  
 SECTION **10** QTR **NW** ACRES **105**  
 PREV. CROP



SUBMITTED FOR:  
**Hamilton**

SUBMITTED BY: **HY4851**  
**HYLIFE LTD.**  
**5 FABAS STREET**  
**BOX 100**  
**LA BROQUERIE, MB** **ROA 0W0**

REF # **2597726** BOX # **3375**  
 LAB # **NW18405**

Date Sampled

Date Received **04/25/2019**

Date Reported **4/29/2019**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice					
		VLow	Low	Med	High										
Nitrate	0-6" 6-24"	60 lb/ac 75 lb/ac					Canola-bu		Wheat-Spring		Grass/Pasture				
							YIELD GOAL		YIELD GOAL		YIELD GOAL				
	0-24"	135 lb/ac					50 BU		60 BU		4 Tons				
							SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
							Band		Band		Band				
							LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Phosphorus	Olsen	18 ppm					N	40	N	27	N	0			
Potassium		217 ppm					P <sub>2</sub> O <sub>5</sub>	18	Band *	P <sub>2</sub> O <sub>5</sub>	15	Band (Starter)*	P <sub>2</sub> O <sub>5</sub>	3	Band *
Chloride							K <sub>2</sub> O	0		K <sub>2</sub> O	10	Band (Starter)*	K <sub>2</sub> O	10	Band *
Sulfur	0-6" 6-24"	50 lb/ac 360 +lb/ac					Cl		Cl		Cl				
Boron							S	10	Band	S	0		S	0	
Zinc							B		B		B				
Iron							Zn		Zn		Zn				
Manganese							Fe		Fe		Fe				
Copper							Mn		Mn		Mn				
Magnesium							Cu		Cu		Cu				
Calcium							Mg		Mg		Mg				
Sodium							Lime	0	Lime	0	Lime	0			
Org.Matter							Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)				
Carbonate(CCE)							Buffer pH				% Ca	% Mg	% K	% Na	% H
Sol. Salts	0-6" 6-24"	0.47 mmho/cm 2.47 mmho/cm					0-6" 6.7								
							6-24" 7.7								

**Crop 1:** \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 45 K2O = 23 AGVISE Band guidelines will build P & K test levels to the medium range over many years.

**Crop 2:** \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 38 K2O = 23 AGVISE Band guidelines will build P & K test levels to the medium range over many years.

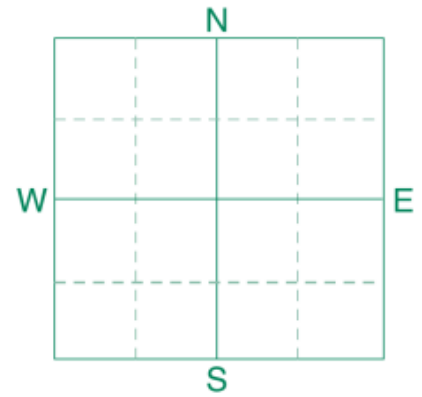
**Crop 3:** \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 48 K2O = 180 AGVISE Band guidelines will build P & K test levels to the medium range over many years.



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## SOIL TEST REPORT

FIELD ID **2**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **6** RANGE **14-W**  
 SECTION **10** QTR **NE** ACRES **155**  
 PREV. CROP



SUBMITTED FOR:  
**Hamilton**

SUBMITTED BY: **HY4851**  
**HYLIFE LTD.**  
**5 FABAS STREET**  
**BOX 100**  
**LA BROQUERIE, MB** **ROA 0W0**

REF # **2597728** BOX # **3343**  
 LAB # **NW18406**

Date Sampled

Date Received **04/25/2019**

Date Reported **4/29/2019**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice			
		VLow	Low	Med	High	Canola-bu			Wheat-Spring			Grass/Pasture			
Nitrate	0-6" 6-24"	21 lb/ac 36 lb/ac	*****												
	0-24"	57 lb/ac													
Phosphorus	Olsen	10 ppm	*****			N	118		N	105		N	63		
Potassium		275 ppm	*****			P2O5	38	Band *	P2O5	31	Band *	P2O5	23	Band *	
Chloride						K2O	0		K2O	10	Band (Starter)*	K2O	0		
Sulfur	0-6" 6-24"	44 lb/ac 360 +lb/ac	*****			Cl			Cl			Cl			
Boron						S	10	Band	S	0		S	0		
Zinc						B			B			B			
Iron						Zn			Zn			Zn			
Manganese						Fe			Fe			Fe			
Copper						Mn			Mn			Mn			
Magnesium						Cu			Cu			Cu			
Calcium						Mg			Mg			Mg			
Sodium						Lime	0		Lime	0		Lime	0		
Org.Matter						Soil pH			Cation Exchange Capacity			% Base Saturation (Typical Range)			
Carbonate(CCE)						Buffer pH			% Ca	% Mg	% K	% Na	% H		
Sol. Salts	0-6" 6-24"	0.36 mmho/cm 1.2 mmho/cm	*****			0-6" 6.8									
			*****			6-24" 7.9									

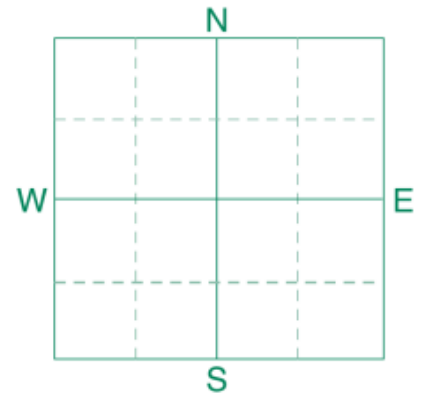
**Crop 1:** \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 45 K2O = 23 AGVISE Band guidelines will build P & K test levels to the medium range over many years.  
**Crop 2:** \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 38 K2O = 23 AGVISE Band guidelines will build P & K test levels to the medium range over many years.  
**Crop 3:** \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 48 K2O = 180 AGVISE Band guidelines will build P & K test levels to the medium range over many years.



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## SOIL TEST REPORT

FIELD ID **3**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **6** RANGE **14-W**  
 SECTION **10** QTR **SW** ACRES **85**  
 PREV. CROP



SUBMITTED FOR:  
**Hamilton**

SUBMITTED BY: **HY4851**  
**HYLIFE LTD.**  
**5 FABAS STREET**  
**BOX 100**  
**LA BROQUERIE, MB** **ROA 0W0**

REF # **2597729** BOX # **3317**  
 LAB # **NW18407**

Date Sampled

Date Received **04/25/2019**

Date Reported **4/29/2019**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice					
		VLow	Low	Med	High	Canola-bu			Wheat-Spring			Grass/Pasture					
Nitrate	0-6" 6-24"	55 lb/ac 195 lb/ac					YIELD GOAL			YIELD GOAL			YIELD GOAL				
	0-24"	250 lb/ac					50 BU			60 BU			4 Tons				
							SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES				
							Band			Band			Band				
							LB/ACRE	APPLICATION		LB/ACRE	APPLICATION		LB/ACRE	APPLICATION			
Phosphorus	Olsen	8 ppm					N	0		N	10		N	0			
Potassium		230 ppm					P2O5	43	Band *	P2O5	35	Band *	P2O5	28	Band *		
Chloride							K2O	0		K2O	10	Band (Starter)*	K2O	7	Band *		
Sulfur	0-6" 6-24"	120 +lb/ac 360 +lb/ac					Cl			Cl			Cl				
Boron							S	10	Band	S	0		S	0			
Zinc							B			B			B				
Iron							Zn			Zn			Zn				
Manganese							Fe			Fe			Fe				
Copper							Mn			Mn			Mn				
Magnesium							Cu			Cu			Cu				
Calcium							Mg			Mg			Mg				
Sodium							Lime			Lime			Lime				
Org.Matter							Soil pH			Cation Exchange Capacity			% Base Saturation (Typical Range)				
Carbonate(CCE)							Buffer pH			Capacity			% Ca	% Mg	% K	% Na	% H
Sol. Salts	0-6" 6-24"	0.91 mmho/cm 1.4 mmho/cm					0-6" 7.4										
							6-24" 8.2										

Crop 1: \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 45 K2O = 23 AGVISE Band guidelines will build P & K test levels to the medium range over many years.

Crop 2: \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 38 K2O = 23 AGVISE Band guidelines will build P & K test levels to the medium range over many years.

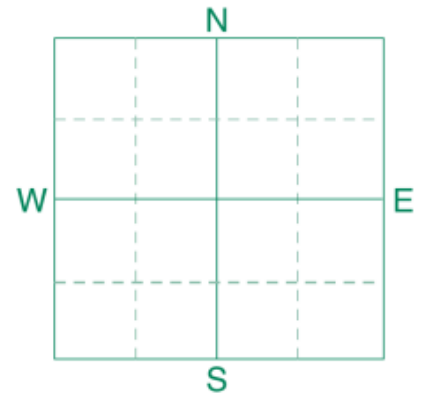
Crop 3: \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 48 K2O = 180 AGVISE Band guidelines will build P & K test levels to the medium range over many years.



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 Benson: (320) 843-4109

## SOIL TEST REPORT

FIELD ID **4**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **6** RANGE **14-W**  
 SECTION **9** QTR **SE** ACRES **80**  
 PREV. CROP



SUBMITTED FOR:  
**Hamilton**

SUBMITTED BY: **HY4851**  
**HYLIFE LTD.**  
**5 FABAS STREET**  
**BOX 100**  
**LA BROQUERIE, MB** ROA **OWO**

REF # **2597730** BOX # **3398**  
 LAB # **NW18408**

Date Sampled

Date Received **04/25/2019**

Date Reported **4/29/2019**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice							
		VLow	Low	Med	High	Canola-bu			Wheat-Spring			Grass/Pasture							
						YIELD GOAL			YIELD GOAL			YIELD GOAL							
						50 BU			60 BU			4 Tons							
						SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES							
						Band			Band			Band							
						LB/ACRE	APPLICATION		LB/ACRE	APPLICATION		LB/ACRE	APPLICATION						
Nitrate	0-6" 6-24" 83 lb/ac 195 lb/ac					N	0		N	10		N	0						
	0-24" 278 lb/ac					P <sub>2</sub> O <sub>5</sub>	10	Band (Starter)*	P <sub>2</sub> O <sub>5</sub>	15	Band (Starter)*	P <sub>2</sub> O <sub>5</sub>	0						
Phosphorus	Olsen 24 ppm					K <sub>2</sub> O	0		K <sub>2</sub> O	10	Band (Starter)*	K <sub>2</sub> O	18	Band *					
Potassium	186 ppm					Cl			Cl			Cl							
Chloride						S	10	Band	S	0		S	0						
Sulfur	0-6" 6-24" 120 +lb/ac 360 +lb/ac					B			B			B							
Boron						Zn			Zn			Zn							
Zinc						Fe			Fe			Fe							
Iron						Mn			Mn			Mn							
Manganese						Cu			Cu			Cu							
Copper						Mg			Mg			Mg							
Magnesium						Lime			Lime			Lime							
Calcium						Soil pH			Buffer pH			Cation Exchange Capacity			% Base Saturation (Typical Range)				
Sodium					% Ca										% Mg	% K	% Na	% H	
Org.Matter						0-6" 7.3													
Carbonate(CCE)						6-24" 7.8													
Sol. Salts	0-6" 6-24" 2.14 mmho/cm 3.25 mmho/cm																		

Crop 1: \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. High salt levels may decrease yields in portions of this field. Crop Removal: P2O5 = 45 K2O = 23 AGVISE Band guidelines will build P & K test levels to the medium range over many years.

Crop 2: \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. High salt levels may decrease yields in portions of this field. Crop Removal: P2O5 = 38 K2O = 23 AGVISE Band guidelines will build P & K test levels to the medium range over many years.

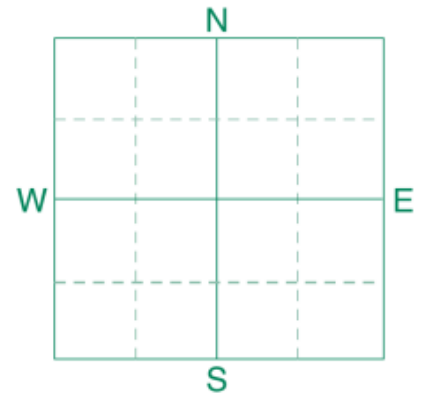
Crop 3: \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. High salt levels may decrease yields in portions of this field. Crop Removal: P2O5 = 48 K2O = 180 AGVISE Band guidelines will build P & K test levels to the medium range over many years.



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## SOIL TEST REPORT

FIELD ID **5**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **6** RANGE **14-W**  
 SECTION **9** QTR **NE** ACRES **178**  
 PREV. CROP



SUBMITTED FOR:  
**Hamilton**

SUBMITTED BY: **HY4851**  
**HYLIFE LTD.**  
**5 FABAS STREET**  
**BOX 100**  
**LA BROQUERIE, MB** **ROA 0W0**

REF # **2597731** BOX # **3398**  
 LAB # **NW18409**

Date Sampled

Date Received **04/25/2019**

Date Reported **4/29/2019**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice				
		VLow	Low	Med	High	Canola-bu			Wheat-Spring			Grass/Pasture				
Nitrate	0-6" 6-24"	*****	*****	*****	*****	YIELD GOAL			YIELD GOAL			YIELD GOAL				
	13 lb/ac 45 lb/ac					50 BU	60 BU	4 Tons								
	0-24"					SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES				
						Band			Band			Band				
						LB/ACRE	APPLICATION		LB/ACRE	APPLICATION		LB/ACRE	APPLICATION			
Phosphorus	Olsen 8 ppm	*****	*****	*****	*****	N 117			N 104			N 62				
Potassium	246 ppm	*****	*****	*****	*****	P2O5 43	Band *		P2O5 35	Band *		P2O5 28	Band *			
Chloride						K2O 0			K2O 10	Band (Starter)*		K2O 3	Band *			
Sulfur	0-6" 6-24"	*****	*****	*****	*****	Cl			Cl			Cl				
	120 +lb/ac 360 +lb/ac	*****	*****	*****	*****	S 10	Band		S 0			S 0				
Boron						B			B			B				
Zinc						Zn			Zn			Zn				
Iron						Fe			Fe			Fe				
Manganese						Mn			Mn			Mn				
Copper						Cu			Cu			Cu				
Magnesium						Mg			Mg			Mg				
Calcium						Lime			Lime			Lime				
Sodium																
Org.Matter																
Carbonate(CCE)																
Sol. Salts	0-6"	*****	*****	*****	*****	Soil pH		Buffer pH	Cation Exchange Capacity			% Base Saturation (Typical Range)				
	0.61 mmho/cm 2.07 mmho/cm					0-6" 7.7 6-24" 7.9				% Ca	% Mg	% K	% Na	% H		

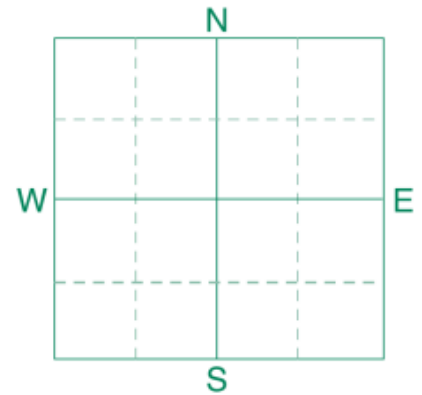
**Crop 1:** \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 45 K2O = 23 AGVISE Band guidelines will build P & K test levels to the medium range over many years.  
**Crop 2:** \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 38 K2O = 23 AGVISE Band guidelines will build P & K test levels to the medium range over many years.  
**Crop 3:** \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 48 K2O = 180 AGVISE Band guidelines will build P & K test levels to the medium range over many years.



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## SOIL TEST REPORT

FIELD ID **6**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **6** RANGE **14-W**  
 SECTION **9** QTR **NW** ACRES **96**  
 PREV. CROP



SUBMITTED FOR:  
**Hamilton**

SUBMITTED BY: **HY4851**  
**HYLIFE LTD.**  
**5 FABAS STREET**  
**BOX 100**  
**LA BROQUERIE, MB** **ROA 0W0**

REF # **2597732** BOX # **3343**  
 LAB # **NW18411**

Date Sampled

Date Received **04/25/2019**

Date Reported **4/29/2019**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice		
		VLow	Low	Med	High	Canola-bu			Wheat-Spring			Grass/Pasture		
Nitrate	0-6" 6-24"	46 lb/ac 159 lb/ac	*****	*****	*****	YIELD GOAL			YIELD GOAL			YIELD GOAL		
	0-24"					205 lb/ac	*****	*****	*****	50 BU	60 BU	4 Tons		
						SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		
						Band			Band			Band		
						LB/ACRE	APPLICATION		LB/ACRE	APPLICATION		LB/ACRE	APPLICATION	
Phosphorus	Olsen	15 ppm	*****	*****	*****	N	4		N	10		N	0	
Potassium		236 ppm	*****	*****	*****	P2O5	25	Band *	P2O5	21	Band *	P2O5	11	Band *
Chloride						K2O	0		K2O	10	Band (Starter)*	K2O	6	Band *
Sulfur	0-6" 6-24"	120 +lb/ac 360 +lb/ac	*****	*****	*****	Cl			Cl			Cl		
Boron						S	10	Band	S	0		S	0	
Zinc						B			B			B		
Iron						Zn			Zn			Zn		
Manganese						Fe			Fe			Fe		
Copper						Mn			Mn			Mn		
Magnesium						Cu			Cu			Cu		
Calcium						Mg			Mg			Mg		
Sodium						Lime			Lime			Lime		
Org.Matter						Soil pH			Cation Exchange Capacity			% Base Saturation (Typical Range)		
Carbonate(CCE)						Buffer pH			% Ca	% Mg	% K	% Na	% H	
Sol. Salts	0-6" 6-24"	0.88 mmho/cm 1.38 mmho/cm	*****	*****	*****	0-6" 7.5								
						6-24" 8.0								

**Crop 1:** \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 45 K2O = 23 AGVISE Band guidelines will build P & K test levels to the medium range over many years.  
**Crop 2:** \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 38 K2O = 23 AGVISE Band guidelines will build P & K test levels to the medium range over many years.  
**Crop 3:** \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 48 K2O = 180 AGVISE Band guidelines will build P & K test levels to the medium range over many years.

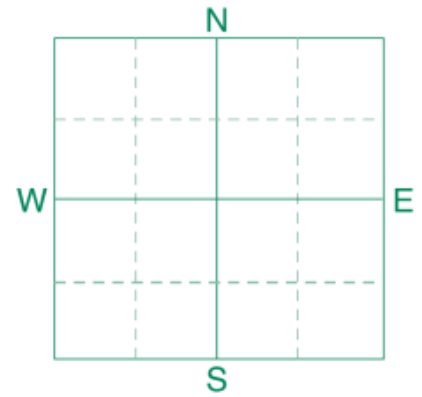




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## SOIL TEST REPORT

FIELD ID **7**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **6** RANGE **14-W**  
 SECTION **9** QTR **SW** ACRES **54**  
 PREV. CROP



SUBMITTED FOR:  
**Hamilton**

SUBMITTED BY: **HY4851**  
**HYLIFE LTD.**  
**5 FABAS STREET**  
**BOX 100**  
**LA BROQUERIE, MB** **ROA 0W0**

REF # **2597733** BOX # **3398**  
 LAB # **NW18412**

Date Sampled

Date Received **04/25/2019**

Date Reported **4/29/2019**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice		
		VLow	Low	Med	High	Canola-bu			Wheat-Spring			Grass/Pasture		
Nitrate	0-6" 6-24"					YIELD GOAL			YIELD GOAL			YIELD GOAL		
						50 BU			60 BU			4 Tons		
	0-24"					SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		
						Band			Band			Band		
						LB/ACRE	APPLICATION		LB/ACRE	APPLICATION		LB/ACRE	APPLICATION	
						N	0		N	10		N	0	
Phosphorus	Olsen					P2O5	35	Band *	P2O5	29	Band *	P2O5	21	Band *
Potassium						K2O	0		K2O	10	Band (Starter)*	K2O	0	
Chloride						Cl			Cl			Cl		
Sulfur	0-6" 6-24"					S	10	Band	S	0		S	0	
Boron						B			B			B		
Zinc						Zn			Zn			Zn		
Iron						Fe			Fe			Fe		
Manganese						Mn			Mn			Mn		
Copper						Cu			Cu			Cu		
Magnesium						Mg			Mg			Mg		
Calcium						Lime			Lime			Lime		
Sodium														
Org.Matter														
Carbonate(CCE)														
						Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)					
									% Ca	% Mg	% K	% Na	% H	
	0-6" 6-24"					0-6" 7.1								
Sol. Salts						6-24" 8.1								

**Crop 1:** \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 45 K2O = 23 AGVISE Band guidelines will build P & K test levels to the medium range over many years.

**Crop 2:** \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 38 K2O = 23 AGVISE Band guidelines will build P & K test levels to the medium range over many years.

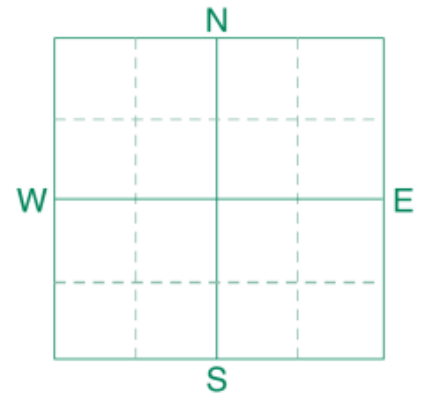
**Crop 3:** \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 48 K2O = 180 AGVISE Band guidelines will build P & K test levels to the medium range over many years.



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## SOIL TEST REPORT

FIELD ID **8**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **6** RANGE **14-W**  
 SECTION **16** QTR **SW** ACRES **160**  
 PREV. CROP



SUBMITTED FOR:  
**Hamilton**

SUBMITTED BY: **HY4851**  
**HYLIFE LTD.**  
**5 FABAS STREET**  
**BOX 100**  
**LA BROQUERIE, MB** **ROA 0W0**

REF # **2597734** BOX # **3398**  
 LAB # **NW18413**

Date Sampled

Date Received **04/25/2019**

Date Reported **4/29/2019**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice		
		VLow	Low	Med	High	Canola-bu			Wheat-Spring			Grass/Pasture		
Nitrate	0-6" 6-24"	*****				YIELD GOAL			YIELD GOAL			YIELD GOAL		
	113 lb/ac 282 lb/ac					50 BU	60 BU	4 Tons						
	0-24"					SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		
	395 lb/ac					Band			Band			Band		
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	
Phosphorus	Olsen 15 ppm					N	0	N	10	N	0			
Potassium	257 ppm					P <sub>2</sub> O <sub>5</sub>	25 Band *	P <sub>2</sub> O <sub>5</sub>	21 Band *	P <sub>2</sub> O <sub>5</sub>	11 Band *			
Chloride						K <sub>2</sub> O	0	K <sub>2</sub> O	10 Band (Starter)*	K <sub>2</sub> O	0			
Sulfur	0-6" 6-24"					Cl		Cl		Cl				
	38 lb/ac 108 lb/ac					S	10 Band	S	0	S	0			
Boron						B		B		B				
Zinc						Zn		Zn		Zn				
Iron						Fe		Fe		Fe				
Manganese						Mn		Mn		Mn				
Copper						Cu		Cu		Cu				
Magnesium						Mg		Mg		Mg				
Calcium						Lime		Lime		Lime				
Sodium														
Org.Matter														
Carbonate(CCE)						Soil pH	Buffer pH	Cation Exchange Capacity		% Base Saturation (Typical Range)				
								% Ca	% Mg	% K	% Na	% H		
Sol. Salts	0-6" 6-24"					0-6" 7.2								
	0.74 mmho/cm 0.59 mmho/cm					6-24" 7.8								

Crop 1: \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 45 K2O = 23 AGVISE Band guidelines will build P & K test levels to the medium range over many years.

Crop 2: \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 38 K2O = 23 AGVISE Band guidelines will build P & K test levels to the medium range over many years.

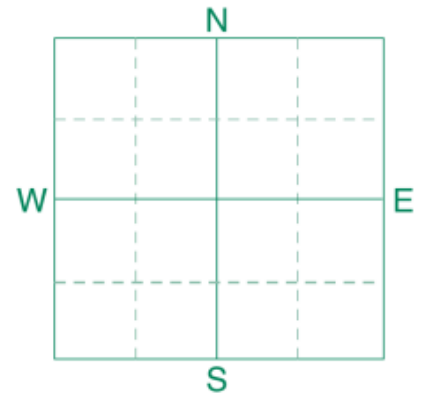
Crop 3: \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 48 K2O = 180 AGVISE Band guidelines will build P & K test levels to the medium range over many years.



Soil Analysis by Agvise Laboratories  
 (<http://www.agvise.com>)  
 Northwood: (701) 587-6010  
 Benson: (320) 843-4109

## SOIL TEST REPORT

FIELD ID **9**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **6** RANGE **14-W**  
 SECTION **16** QTR **SE** ACRES **80**  
 PREV. CROP



SUBMITTED FOR:  
**Hamilton**

SUBMITTED BY: **HY4851**  
**HYLIFE LTD.**  
**5 FABAS STREET**  
**BOX 100**  
**LA BROQUERIE, MB** **ROA 0W0**

REF # **2597735** BOX # **3374**  
 LAB # **NW18414**

Date Sampled

Date Received **04/25/2019**

Date Reported **4/29/2019**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
		VLow	Low	Med	High								
Nitrate	0-6" 6-24"	120 lb/ac 240 lb/ac					Canola-bu	Wheat-Spring	Grass/Pasture				
							YIELD GOAL	YIELD GOAL	YIELD GOAL				
	0-24"	360 lb/ac					50 BU	60 BU	4 Tons				
							SUGGESTED GUIDELINES	SUGGESTED GUIDELINES	SUGGESTED GUIDELINES				
							Band	Band	Band				
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Phosphorus	Olsen	23 ppm					N 0	N 10	N 0				
Potassium		247 ppm					P <sub>2</sub> O <sub>5</sub> 10	P <sub>2</sub> O <sub>5</sub> 15	P <sub>2</sub> O <sub>5</sub> 0				
								<b>Band (Starter)*</b>	<b>Band (Starter)*</b>				
Chloride							K <sub>2</sub> O 0	K <sub>2</sub> O 10	K <sub>2</sub> O 3	<b>Band *</b>			
								<b>Band (Starter)*</b>					
Sulfur	0-6" 6-24"	44 lb/ac 108 lb/ac					Cl	Cl	Cl				
Boron							S 10	S 0	S 0				
Zinc							B	B	B				
Iron							Zn	Zn	Zn				
Manganese							Fe	Fe	Fe				
Copper							Mn	Mn	Mn				
Magnesium							Cu	Cu	Cu				
Calcium							Mg	Mg	Mg				
Sodium							Lime 0	Lime 0	Lime 0				
Org.Matter													
Carbonate(CCE)													
Sol. Salts	0-6" 6-24"	0.76 mmho/cm 0.8 mmho/cm					Soil pH	Buffer pH	Cation Exchange Capacity		% Base Saturation (Typical Range)		
									% Ca	% Mg	% K	% Na	% H
							0-6" 6.4						
							6-24" 7.4						

Crop 1: \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 45 K2O = 23 AGVISE Band guidelines will build P & K test levels to the medium range over many years.

Crop 2: \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 38 K2O = 23 AGVISE Band guidelines will build P & K test levels to the medium range over many years.

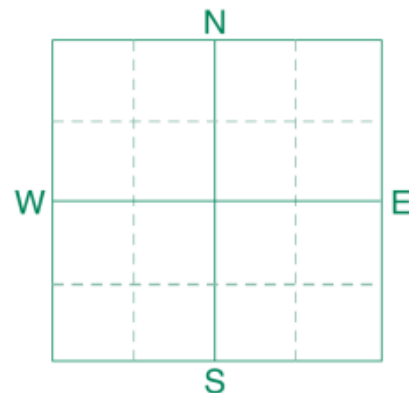
Crop 3: \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 48 K2O = 180 AGVISE Band guidelines will build P & K test levels to the medium range over many years.



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 Benson: (320) 843-4109

## SOIL TEST REPORT

FIELD ID **10**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **6** RANGE **14-W**  
 SECTION **16** QTR **SE** ACRES **76**  
 PREV. CROP



SUBMITTED FOR:

**Hamilton**

SUBMITTED BY: **HY4851**

**HYLIFE LTD.**  
**5 FABAS STREET**  
**BOX 100**  
**LA BROQUERIE, MB**

**ROA 0W0**

REF # **2597736** BOX # **3317**  
 LAB # **NW18415**

Date Sampled

Date Received **04/25/2019**

Date Reported **4/29/2019**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice					
		VLow	Low	Med	High										
Nitrate	0-6" 6-24"	80 lb/ac 162 lb/ac					Canola-bu	Wheat-Spring	Grass/Pasture						
							YIELD GOAL	YIELD GOAL	YIELD GOAL						
	0-24"	242 lb/ac					50 BU	60 BU	4 Tons						
							SUGGESTED GUIDELINES	SUGGESTED GUIDELINES	SUGGESTED GUIDELINES						
							Band	Band	Band						
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION				
Phosphorus	Olsen	20 ppm					N	0	N	10	N	0			
Potassium		314 ppm					P <sub>2</sub> O <sub>5</sub>	13	Band *	P <sub>2</sub> O <sub>5</sub>	15	Band (Starter)*	P <sub>2</sub> O <sub>5</sub>	0	
Chloride							K <sub>2</sub> O	0	K <sub>2</sub> O	10	Band (Starter)*	K <sub>2</sub> O	0		
Sulfur	0-6" 6-24"	98 lb/ac 120 lb/ac					Cl		Cl		Cl				
Boron							S	10	Band	S	0	S	0		
Zinc							B		B		B				
Iron							Zn		Zn		Zn				
Manganese							Fe		Fe		Fe				
Copper							Mn		Mn		Mn				
Magnesium							Cu		Cu		Cu				
Calcium							Mg		Mg		Mg				
Sodium							Lime	0	Lime	0	Lime	0			
Org.Matter															
Carbonate(CCE)							Soil pH	Buffer pH	Cation Exchange Capacity		% Base Saturation (Typical Range)				
											% Ca	% Mg	% K	% Na	% H
Sol. Salts	0-6" 6-24"	0.72 mmho/cm 0.78 mmho/cm					0-6" 6.3								
							6-24" 7.4								

Crop 1: \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 45 K2O = 23 AGVISE Band guidelines will build P & K test levels to the medium range over many years.

Crop 2: \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 38 K2O = 23 AGVISE Band guidelines will build P & K test levels to the medium range over many years.

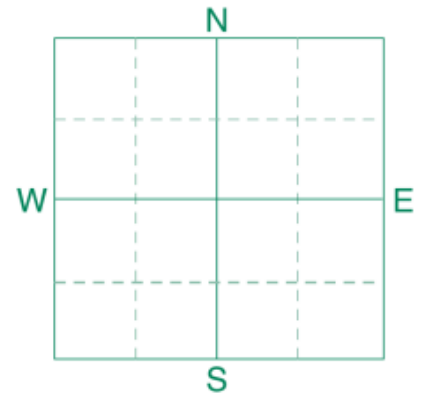
Crop 3: \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 48 K2O = 180 AGVISE Band guidelines will build P & K test levels to the medium range over many years.



Soil Analysis by Agvise Laboratories  
 (<http://www.agvise.com>)  
 Northwood: (701) 587-6010  
 Benson: (320) 843-4109

## SOIL TEST REPORT

FIELD ID **11**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **6** RANGE **14-W**  
 SECTION **15** QTR **SW** ACRES **62**  
 PREV. CROP



SUBMITTED FOR:  
**Hamilton**

SUBMITTED BY: **HY4851**  
**HYLIFE LTD.**  
**5 FABAS STREET**  
**BOX 100**  
**LA BROQUERIE, MB** **ROA 0W0**

REF # **2597738** BOX # **3304**  
 LAB # **NW18416**

Date Sampled

Date Received **04/25/2019**

Date Reported **4/29/2019**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice			
		VLow	Low	Med	High	Canola-bu			Wheat-Spring			Grass/Pasture			
Nitrate	0-6" 6-24"	75 lb/ac 126 lb/ac					YIELD GOAL			YIELD GOAL			YIELD GOAL		
	0-24"	201 lb/ac					50 BU			60 BU			4 Tons		
							SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		
							Band			Band			Band		
							LB/ACRE	APPLICATION		LB/ACRE	APPLICATION		LB/ACRE	APPLICATION	
Phosphorus	Olsen	18 ppm					N	0		N	10		N	0	
Potassium		452 ppm					P <sub>2</sub> O <sub>5</sub>	18	Band *	P <sub>2</sub> O <sub>5</sub>	15	Band (Starter)*	P <sub>2</sub> O <sub>5</sub>	3	Band *
Chloride							K <sub>2</sub> O	0		K <sub>2</sub> O	10	Band (Starter)*	K <sub>2</sub> O	0	
Sulfur	0-6" 6-24"	48 lb/ac 186 lb/ac					Cl			Cl			Cl		
Boron							S	10	Band	S	0		S	0	
Zinc							B			B			B		
Iron							Zn			Zn			Zn		
Manganese							Fe			Fe			Fe		
Copper							Mn			Mn			Mn		
Magnesium							Cu			Cu			Cu		
Calcium							Mg			Mg			Mg		
Sodium							Lime	0		Lime	0		Lime	0	
Org.Matter							Soil pH			Cation Exchange Capacity			% Base Saturation (Typical Range)		
Carbonate(CCE)							Buffer pH			% Ca	% Mg	% K	% Na	% H	
Sol. Salts	0-6" 6-24"	0.72 mmho/cm 0.76 mmho/cm					0-6" 6.7								
							6-24" 7.7								

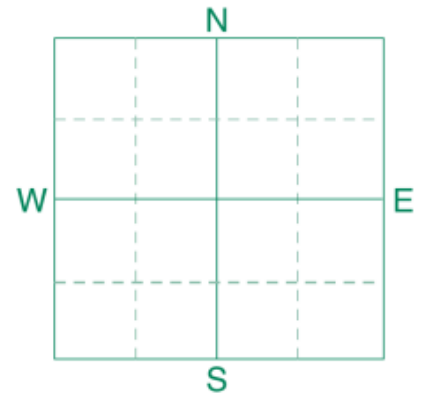
**Crop 1:** \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 45 K2O = 23 AGVISE Band guidelines will build P & K test levels to the medium range over many years.  
**Crop 2:** \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 38 K2O = 23 AGVISE Band guidelines will build P & K test levels to the medium range over many years.  
**Crop 3:** \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 48 K2O = 180 AGVISE Band guidelines will build P & K test levels to the medium range over many years.



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## SOIL TEST REPORT

FIELD ID **12**  
 SAMPLE ID  
 FIELD NAME  
 COUNTY  
 TWP **6** RANGE **14-W**  
 SECTION **14** QTR **SW** ACRES **148**  
 PREV. CROP



SUBMITTED FOR:  
**Hamilton**

SUBMITTED BY: **HY4851**  
**HYLIFE LTD.**  
**5 FABAS STREET**  
**BOX 100**  
**LA BROQUERIE, MB** **ROA 0W0**

REF # **2597740** BOX # **3353**  
 LAB # **NW18417**

Date Sampled

Date Received **04/25/2019**

Date Reported **4/29/2019**

Nutrient In The Soil		Interpretation				1st Crop Choice			2nd Crop Choice			3rd Crop Choice					
		VLow	Low	Med	High	Canola-bu			Wheat-Spring			Grass/Pasture					
Nitrate	0-6" 6-24"	*****				YIELD GOAL			YIELD GOAL			YIELD GOAL					
	59 lb/ac 111 lb/ac					50 BU	60 BU	4 Tons									
	0-24"					170 lb/ac	SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES				
							Band			Band			Band				
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION						
Phosphorus	Olsen 15 ppm	*****				N	5		N	10		N	0				
Potassium	323 ppm	*****				P2O5	25	Band *	P2O5	21	Band *	P2O5	11	Band *			
Chloride						K2O	0		K2O	10	Band (Starter)*	K2O	0				
Sulfur	0-6" 6-24"	*****				Cl			Cl			Cl					
Boron						S	10	Band	S	0		S	0		S	0	
Zinc						B			B			B			B		
Iron						Zn			Zn			Zn			Zn		
Manganese						Fe			Fe			Fe					
Copper						Mn			Mn			Mn					
Magnesium						Cu			Cu			Cu					
Calcium						Mg			Mg			Mg					
Sodium						Lime	0		Lime	0		Lime	0				
Org.Matter						Soil pH			Cation Exchange Capacity			% Base Saturation (Typical Range)					
Carbonate(CCE)						Buffer pH			% Ca	% Mg	% K	% Na	% H				
Sol. Salts	0-6" 6-24"	0.7 mmho/cm 1.6 mmho/cm	*****			0-6" 6.7											
			*****			6-24" 7.5											

**Crop 1:** \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 45 K2O = 23 AGVISE Band guidelines will build P & K test levels to the medium range over many years.

**Crop 2:** \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 38 K2O = 23 AGVISE Band guidelines will build P & K test levels to the medium range over many years.

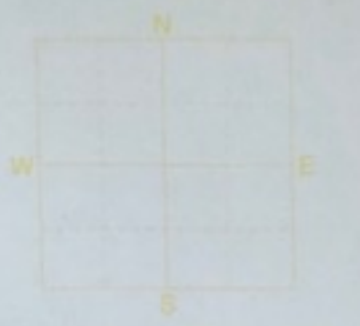
**Crop 3:** \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 48 K2O = 180 AGVISE Band guidelines will build P & K test levels to the medium range over many years.



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### SOIL TEST REPORT

FIELD ID HOME 1/2  
 SAMPLE ID SE 17-6-14  
 FIELD NAME  
 COUNTY  
 TWP RANGE  
 SECTION QTR ACRES 0  
 PREV. CROP Corn-Grain



SUBMITTED FOR:  
**HAMILTON**

BALDUR, MB ROK 080

SUBMITTED BY: PE0989  
**PEMBINA COOP-BALDUR**  
 121 2ND STREET  
 BOX 68  
 BALDUR, MB ROK 080

REF # 11651899 BOX # 520  
 LAB # NW105224

Date Sampled 09/28/2018

Date Received 10/02/2018





Date Reported 10/9/2018

Nutrient In The Soil		Interpretation None Low Med High	1st Crop Choice		2nd Crop Choice		3rd Crop Choice							
				Canola-bu		Canola-bu		Canola-bu						
			YIELD GOAL		YIELD GOAL		YIELD GOAL							
			40 BU		50 BU		60 BU							
			SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES							
			Band/Maint.		Band/Maint.		Band/Maint.							
			LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION						
Nitrate			N	3	N	38	N	73						
Phosphorus			P <sub>2</sub> O <sub>5</sub>	36 Band *	P <sub>2</sub> O <sub>5</sub>	45 Band *	P <sub>2</sub> O <sub>5</sub>	54 Band *						
Potassium			K <sub>2</sub> O	0	K <sub>2</sub> O	0	K <sub>2</sub> O	0						
Chloride			Cl	Not Available	Cl	Not Available	Cl	Not Available						
Sulfur			S	10 Band	S	10 Band	S	10 Band						
Boron			B	0	B	0	B	0						
Zinc			Zn	0	Zn	0	Zn	0						
Iron			Fe	0	Fe	0	Fe	0						
Manganese			Mn	0	Mn	0	Mn	0						
Copper			Cu	0	Cu	0	Cu	0						
Magnesium			Mg	0	Mg	0	Mg	0						
Calcium			Lime	0	Lime	0	Lime	0						
Sodium			Soil pH		Buffer pH		Cation Exchange Capacity		% Base Saturation (Typical Range)					
Org.Matter			6.3		7.4		21.7 meq		% Ca	% Mg	% K	% Na	% H	
Carbonate(CEC)			6.3		7.4		21.7 meq		(65-75)	(15-20)	(1-7)	(0-5)	(0-5)	
			6.3		7.4		21.7 meq		71.1	23.5	3.9	1.6		
0-6"	0.54 mmho/cm													
6-24"	0.69 mmho/cm													
Sal. Sats														

General Comments: Fine Loams (CEC range 21 to 30) [Medium]  
 Crop 1: \*\* Chloride yield data is limited for this crop. \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P205 = 36 K2O = 18 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.  
 Crop 2: \*\* Chloride yield data is limited for this crop. \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P205 = 45 K2O = 23 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.  
 Crop 3: \*\* Chloride yield data is limited for this crop. \* Caution: Seed Placed Fertilizer Can Cause Injury \* Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P205 = 54 K2O = 27 AGVISE Band/Maintenance guidelines will build P & K test levels to the medium range over many years and then maintain them.

## Manitoba Agriculture Land Base Calculator

### Colour Conventions:

-  Farm specific data can be entered in the yellow cells of each tab. Where appropriate, default values are provided in the yellow cells.
-  Fixed data are provided in the grey cells of each tab.
-  Calculated values are shown in the green cells of each tab.
-  **The land base required for nitrogen (N) and phosphorus (P2O5) are provided in the amber cells of each tab.**

### Data Entry and Tab Information:

Enter the operation name on all of the livestock tabs (1a to 1e) associated with your farm.

Enter all of the livestock for your farm and associated data in the yellow cells under tabs 1a to 1e.

Enter all of the crop rotation data on tab 2. Long-term crop yield averages using MASC records are required for all crops.

Total nitrogen (N) and total phosphorus (P2O5) excreted by the livestock are summarized on tab 3.

Nutrient excretion, crop nutrient use and acres required for nitrogen (N) and phosphorus (P2O5) are summarized on tab 4.

### For assistance, contact:

Clay Sawka, Nutrient Management Specialist, Manitoba Agriculture, (204) 750-3066

Petra Loro, Livestock Environment Specialist, Manitoba Agriculture, (204) 918-0325

Last revised October 16, 2018



es have been provided but can be changed.

**in tab 4.**

or Provincial Technical Review Site Assessments.

ized on tab 4.

**1a - Pigs**

<b>Operation Name: Shiraz Nursery</b>					
<b>Operation Type</b>	<b>Storage Type</b>	<b>Volatilization</b>	<b>Animal Numbers (Places)</b>	<b>Average Animal Wt (lb)</b>	<b>N Excreted Per Herd Adjusted for Storage N Loss (lb/yr/herd)</b>
Boars (Purchased)	Liquid Uncovered Earthen	30%		465	0
Weanlings	Liquid Covered	10%	24000	38	177360
Growers/Finishers	Liquid Uncovered Earthen	30%		171	0
Sows, farrow to 6.2 kg	Liquid Uncovered Earthen	30%		n/a	0
Sows, farrow to 28 kg	Liquid Uncovered Earthen	30%		n/a	0
Sows, farrow to finish	Liquid Uncovered Earthen	30%		n/a	0

Last Revised April 26, 2018

**P2O5 Excreted  
Per Herd Per  
Year**

(lb/yr/herd)

0

76979

0

0

0

0

**1b - Beef****Operation Name:**

<b>Operation Type</b>	<b>Animal Category</b>	<b>Storage Type</b>	<b>Volatilization</b>	<b>Animal Numbers</b>
Cow Calf	Mature Cows and Bred Heifers, plus associated livestock	Field Storage	40%	
Feeder	Feedlot Cattle - long keep	Field Storage	40%	
Feeder	Feedlot Cattle - short keep	Field Storage	40%	
Feeder	Backgrounders - pasture	Field Storage	40%	
Feeder	Backgrounders - confined	Field Storage	40%	

Last Revised January 21, 2015

Weight In (lb)	Weight Out (lb)	Average Animal Wt (lb)	Days per Cycle (Days)	Cycles per Year	Rate of Gain (lb/day)	Days Place is Occupied per Year (days)	P2O5 Excreted Per Herd Per Year (lb P2O5/year)
n/a	n/a	n/a	n/a	n/a	n/a	n/a	0
581	1300	941	240	1.0	3.00	240	0
975	1300	1138	116	1.0	2.80	116	0
793	975	884	105	1.0	1.73	105	0
500	793	647	180	1.0	1.63	180	0

**1c - Dairy**

**Operation Name:**

<b>Type</b>	<b>Storage Type</b>	<b>Volatilization</b>	<b>Animal Numbers</b>
Mature Cows, plus associated livestock	Liquid Uncovered Earthen	30%	

Last revised August 20, 2014

N Excreted Per Herd Adjusted for Storage N Loss (lb/yr/herd)		P2O5 Excreted per Herd Per Year (lb/yr/herd)
0	0	

**1d -Sheep****Operation Name**

<b>Sheep/Operation Type</b>	<b>Storage Type</b>	<b>Volatilization</b>	<b>Animal Numbers</b> <b>Weight In</b> lb
Ewes	Field Storage	40%	120
Replacement Ewes	Field Storage	40%	45
Rams	Field Storage	40%	100
Lambs	Field Storage	40%	8
Ewes, plus assoc livestock	Field Storage	40%	n/a
Feeder	Field Storage	40%	45



<b>Weight Out</b>	<b>Ave Weight</b>	<b>Days on Feed</b>	<b>Cycles per Year</b>	<b>N Excreted per Flock adjusted for Loss</b>	<b>P2O5 Excreted Per Flock</b>
lb	lb			lb/flock/yr	lb/flock/yr
170	145	365	1	0	0
80	63	210	1	0	0
200	150	365	1	0	0
45	27	70	1.4	0	0
n/a	n/a	n/a	n/a	0	0
100	73	365	1	0	0

**1e - Poultry****Operation Name:**

<b>Species / Commodity</b>	<b>Type of Operation</b>	<b>Storage Type</b>
Chickens	Broilers	Field Storage
Chickens	Broiler Breeder Pullets	Field Storage
Chickens	Broiler Breeder Hens	Field Storage
Eggs	Layer Pullets	Liquid Covered
Eggs	Layer Hens	Liquid Covered
Eggs	Breeder Pullets	Liquid Covered
Eggs	Breeder Hens	Liquid Covered
Turkey	Broiler Hens (0-9 wks)	Field Storage
Turkey	Hens (0-11 wks)	Field Storage
Turkey	Heavy Hens (0-14 wks)	Field Storage
Turkey	Light Toms (0-12 wks)	Field Storage
Turkey	Toms (0-13 wks)	Field Storage
Turkey	Heavy Toms (0-15 wks)	Field Storage
Turkey	Breeding Hen Growers (0-30 wks)	Field Storage
Turkey	Breeding Hens (30-60 wks)	Field Storage
Turkey	Breeding Tom Grower (0-18 wks)	Field Storage
Turkey	Breeding Tom Grower (0-30 wks)	Field Storage
Turkey	Breeding Tom (30-60 wks)	Field Storage

Volatilization	Bird Places	Weight In (lb)	Weight Out (lb)	Average Weight (lb)	Days on Feed	Cycles per Year	N Excreted Adjusted for N Loss lb/flock/yr
40%		0.05	4.36	2.20	33	7.4	0
40%		0.05	4.40	2.23	140	2	0
40%		4.40	8.67	6.53	273	1	0
10%		0.05	3.04	1.54	133	2	0
10%		3.03	3.74	3.38	355	1	0
10%		0.05	3.04	1.54	133	2	0
10%		3.03	3.74	3.38	351	1	0
40%		0.06	12.39	6.22	63	4	0
40%		0.06	16.46	8.26	77	3.5	0
40%		0.06	21.19	10.62	98	3	0
40%		0.06	21.19	10.62	84	3	0
40%		0.06	26.84	13.45	91	3	0
40%		0.06	30.29	15.18	105	2.5	0
40%		0.06	26.95	13.51	210	1	0
40%		26.95	24.95	25.95	210	1	0
40%		0.06	33.92	16.99	126	2	0
40%		0.06	50.89	25.47	210	1	0
40%		50.89	61.86	56.38	210	1	0



**2 - Crop Rotation**

**Operation Name:**

**Shiraz Nursery**

Crop	Removal		Uptake		Yield	Units	Acreage	Removal		Uptake
	P2O5	N	N	Units				(lb)	(lb)	(lb)
Alfalfa	13.8	58	58	lb/ton	2.044	ton/ac	317	8942	37581	37581
Barley Grain	0.42	0.97	1.39	lb/bu		bu/ac		-	-	-
Barley Silage	11.8	34.4	34.4	lb/ton		ton/ac		-	-	-
Canola	1.04	1.93	3.19	lb/bu	42.8	bu/ac	428	19051	35355	58436
Corn Grain	0.44	0.97	1.53	lb/bu		bu/ac		-	-	-
Corn Silage	12.7	31.2	31.2	lb/ton	5.27	tons/ac	320	21417	52616	52616
Dry Edible Beans	1.39	4.17		lb/cwt		cwt/ac		-	-	-
Fababeans	1.79	5.02	8.4	lb/cwt		cwt/ac		-	-	-
Flax	0.65	2.13	2.88	lb/bu		bu/ac		-	-	-
Grass Hay	10	34.2	34.2	lb/ton		tons/ac		-	-	-
Lentils	1.03	3.39	5.08	lb/cwt		cwt/ac		-	-	-
Oats	0.26	0.62	1.07	lb/bu		bu/ac		-	-	-
Pasture (grazed)	10	34.2	34.2	lb/ton	0.5	ton/ac		-	-	-
Peas	0.69	2.34	3.06	lb/bu		bu/ac		-	-	-
Potatoes	0.09	0.32	0.57	lb/cwt		cwt/ac		-	-	-
Rye	0.45	1.06	1.67	lb/bu		bu/ac		-	-	-
Soybeans	0.84	3.87	5.2	lb/bu		bu/ac		-	-	-
Sunflower	1.1	2.8		lb/cwt		cwt/ac		-	-	-
Wheat - Spring	0.59	1.5	2.11	lb/bu	58.3	bu/ac	385	13243	33668	47360
Wheat - Winter	0.51	1.04	1.35	lb/bu		bu/ac		-	-	-

**Total Acres** 1450 62653 159219 195992

**Estimated Average Removal/Uptake (lb/ac)** 43.2 109.8 135.2

**Acres in Hanover and La Broquerie**

**Proportion in Hanover or La Broquerie** 0%

**Additional Acres**

**Crop Planned on Additional Acres**

**Total Acreage** 1450

**\*Notes:**

Enter the number of acres that are in the RM's of Hanover or La Broquerie in cell H26.  
Additional acres include acres for which crop removal or soil data is limited or unavailable.

Last revised December 18, 2017

### 3 - Farm Excretion

Operation Name: Shiraz Nursery

Species	Animal Category/Operation type	N (lb/year)	P2O5 (lb/year)
<b>Pigs</b>	Boars	0	0
	Weanlings	177360	76979
	Growers/finishers	0	0
	Sows, farrow to 5 kg	0	0
	Sows, farrow to 23 kg	0	0
	Sows, farrow to finish	0	0
<b>Beef</b>	Mature Cows and Bred Heifers, plus associated livestock	0	0
	Feedlot Cattle - long keep	0	0
	Feedlot Cattle - short keep	0	0
	Backgrounders - pasture	0	0
	Backgrounders - confined	0	0
<b>Dairy</b>	Mature Cows, plus assoc livestock	0	0
<b>Sheep</b>	Ewes	0	0
	Replacement Ewes	0	0
	Rams	0	0
	Lambs	0	0
	Ewes, plus assoc livestock	0	0
	Feeder	0	0
<b>Chickens</b>	Broilers	0	0
	Broiler Breeder Pullets	0	0
	Broiler Breeder Hens	0	0
<b>Layers</b>	Layer Pullets	0	0
	Layer Hens	0	0
	Breeder Pullets	0	0
	Breeder Hens	0	0
<b>Turkeys</b>	Broiler Hens (0-9 wks)	0	0
	Hens (0-11 wks)	0	0
	Heavy Hens (0-14 wks)	0	0
	Light Toms (0-12 wks)	0	0
	Toms (0-13 wks)	0	0
	Heavy Toms (0-15 wks)	0	0
	Breeding Hen Growers (0-30 wks)	0	0
	Breeding Hens (30-60 wks)	0	0
	Breeding Tom Grower (0-18 wks)	0	0
	Breeding Tom Grower (0-30 wks)	0	0
Breeding Tom (30-60 wks)	0	0	
<b>Total</b>		<b>177360</b>	<b>76979</b>

**Note:**

Be sure all livestock species on your farm are represented in this table, not just the livestock in the proposed expansion.

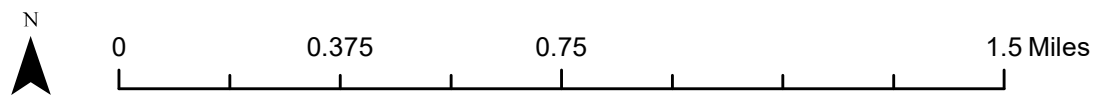
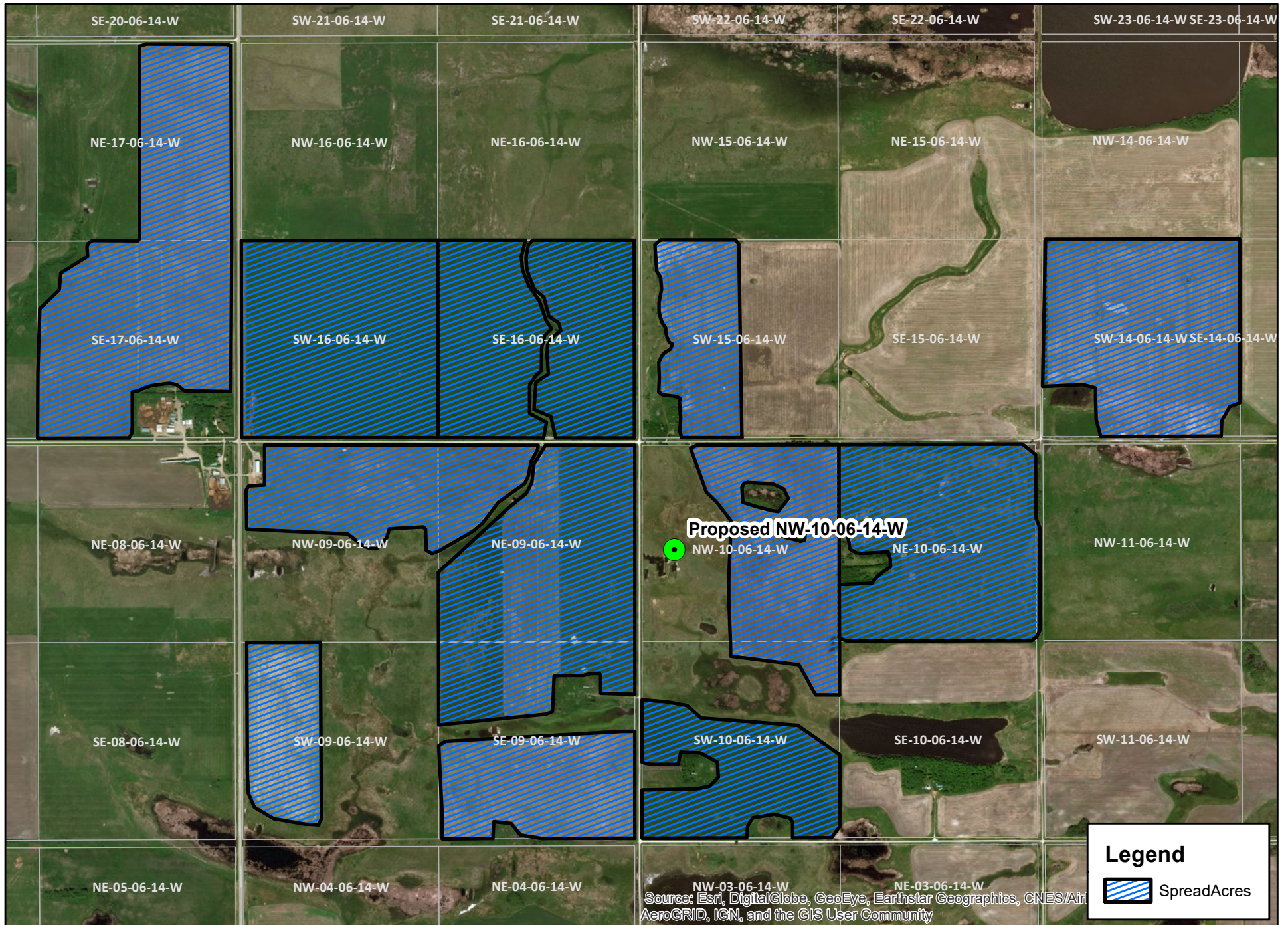
**4 - Land Base Summary****Operation Name:** Shiraz Nursery

<b>Nutrients Excreted</b>	<b>lbs</b>
Nitrogen	177360
Phosphorus (P2O5)	76979
<b>Crop Nutrient Use</b>	
	<b>lb/ac</b>
Crop N Uptake	135.2
Crop Phosphorus (P2O5) Removal	43.2
Operation-specific Phosphorus (P2O5) Credit	86.4
<b>Land Available</b>	
	<b>1450</b>
<b>Land Base Required</b>	
	<b>acres</b>
Acres for Nitrogen	<b>1312</b>
Acres for Phosphorus (P2O5)	<b>891</b>
<b>Phosphorus Balance</b>	
	<b>acres</b>
Acres for Phosphorus Balance (1X)	<b>1782</b>

Last revised October 16, 2018

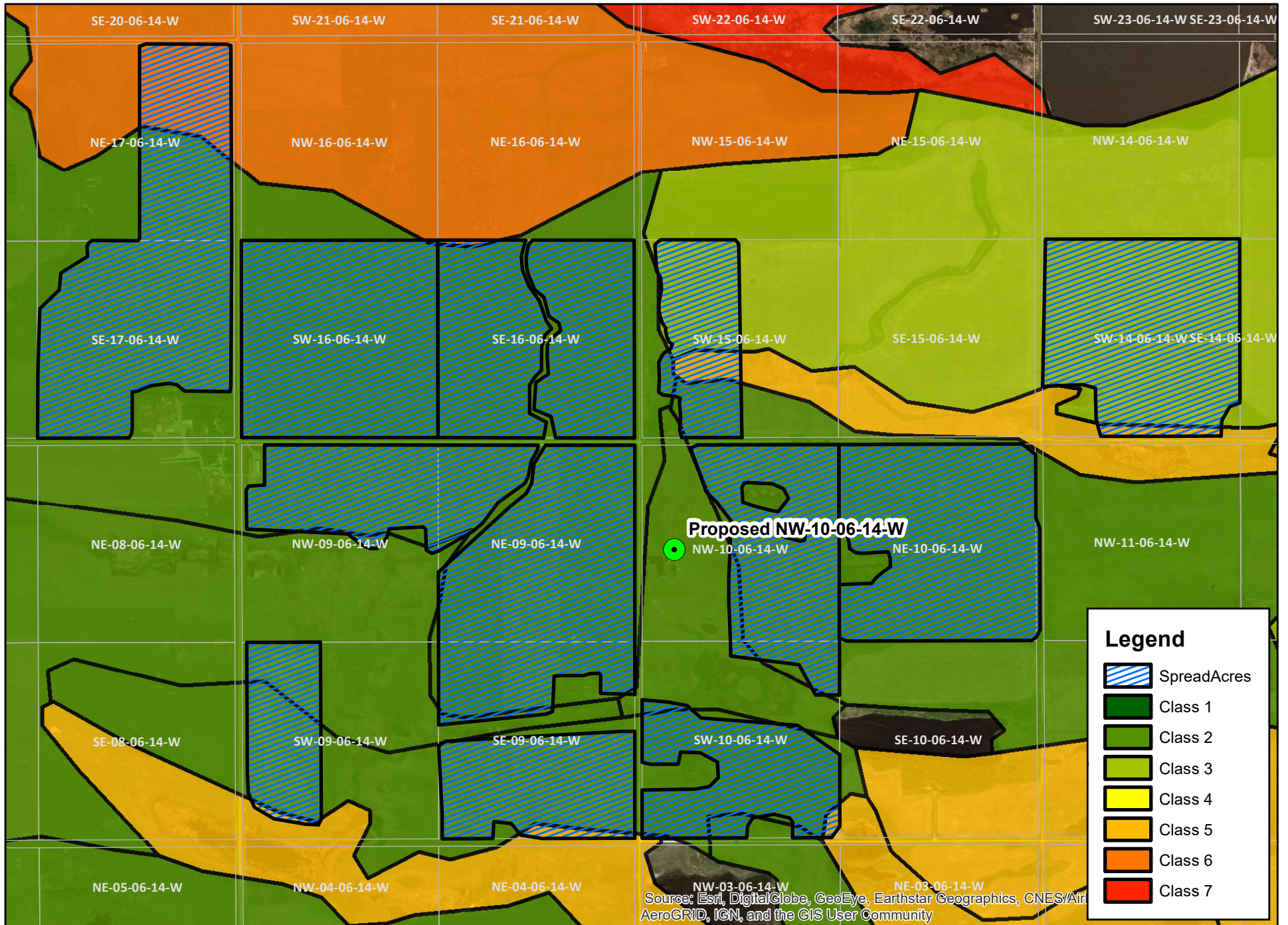


# Proposed Site [NW-10-6-14W] - Spread Acres

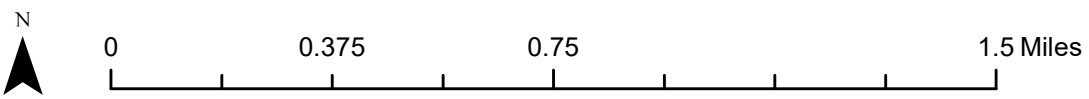


Prepared by:  
Kieran Hamm  
Nutrient Management Coordinator  
HyLife Ltd.

# Proposed Site [NW-10-6-14W] - Spread Acres & Ag Capability

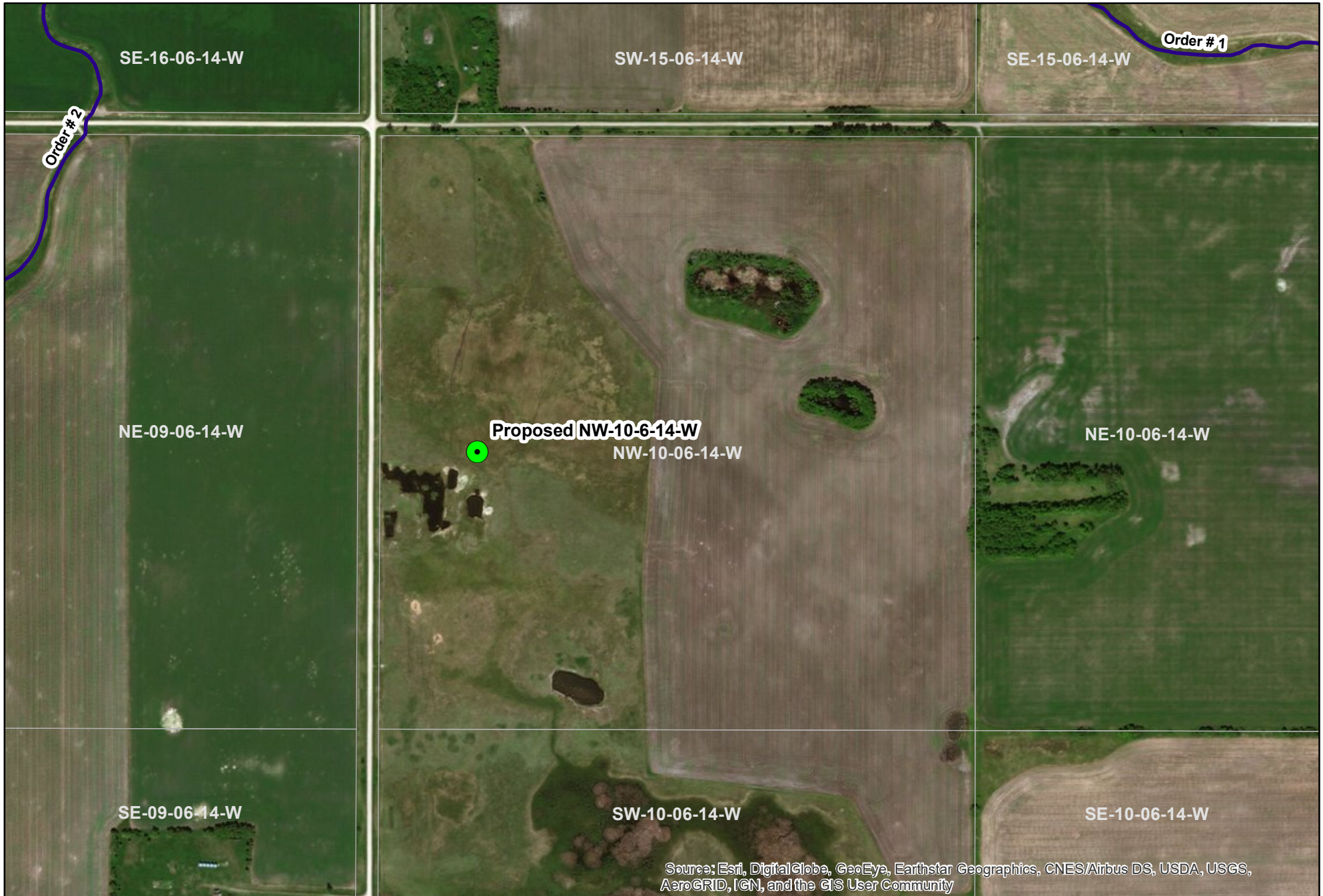


Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Air  
AeroGRID, IGN, and the GIS User Community



Prepared by:  
Kieran Hamm  
Nutrient Management Coordinator  
HyLife Ltd.

# Proposed Site [NW-10-6-14-W] - Surface Drainage

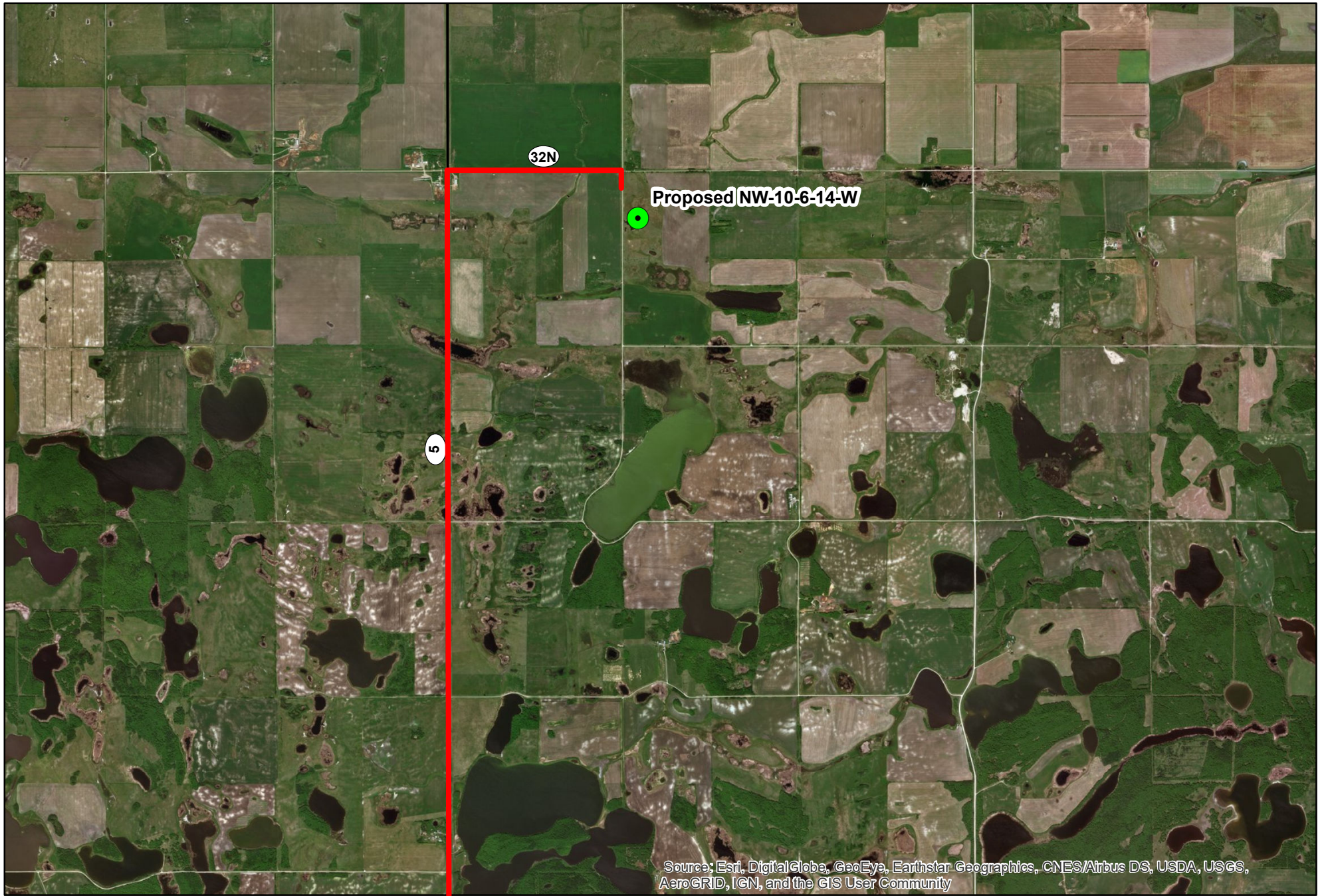


0 0.125 0.25 0.5 Miles

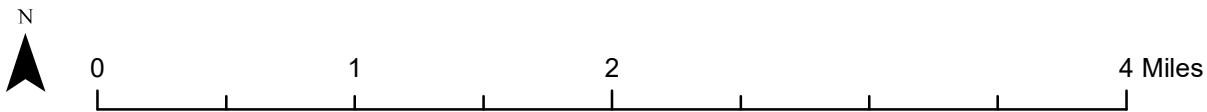


Prepared by:  
Kieran Hamm  
Nutrient Management Coordinator  
HyLife Ltd.

# Truck Haul Route



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



Prepared by:  
Kieran Hamm  
Nutrient Management Coordinator  
HyLife Ltd.

Thank you for your information request. I completed a search of the Manitoba Conservation Data Centre's (CDC) rare species database for your area of interest. This includes the primary location: NW-10-006-14W1; and a two kilometer radius buffer from the edge of the location boundary.

The search resulted in the following occurrences:

Within the footprint or primary location(s):

NW-10-006-14W1: No listed or tracked species occurrences at this time.

Within 2km of the footprint boundary:

TAXGROUP	SCINAME	COMNAME	SRANK	ESEA	SARA	COSEWIC
Vertebrate Animal	Ambystoma mavortium	(Western Tiger Salamander)	S4S5	NA	Special Concern	Special Concern
Vertebrate Animal	Buteo regalis	(Ferruginous Hawk)	S1B	Endangered	Threatened	Threatened
Vertebrate Animal	Lanius ludovicianus excubitorides	(Loggerhead Shrike)	S1B	Endangered	Threatened	Threatened

General area records low locational accuracy:

TAXGROUP	SCINAME	COMNAME	SRANK	ESEA	SARA	COSEWIC
Vascular Plant	Nassella viridula	(Green Needle Grass)	S3S4	NA	NA	NA

Found in broader area and similar habitat:

TAXGROUP	SCINAME	COMNAME	SRANK	ESEA	SARA	COSEWIC
Vertebrate Animal	Ammodramus savannarum	(Grasshopper Sparrow)	S3B	NA	NA	NA
Vertebrate Animal	Calcarius ornatus	(Chestnut-collared Longspur)	S2B	Endangered	Threatened	Threatened
Vertebrate Animal	Anthus spragueii	(Sprague's Pipit)	S2B	Threatened	Threatened	Threatened
Vertebrate Animal	Dolichonyx oryzivorus	(Bobolink)	S4B	NA	Threatened	Threatened

Further information on this ranking system can be found on our website at: <http://www.natureserve.org/conservation-tools/conservation-status-assessment>.

These designations can be found at:

<http://web2.gov.mb.ca/laws/statutes/ccsm/e111e.php>,

<https://www.canada.ca/en/environment-climate-change/services/committee-status-endangered-wildlife.html> and <http://www.sararegistry.gc.ca/default.asp?lang=En&n=24F7211B-1>.

Manitoba's recommended setback distances can be found at: [https://www.gov.mb.ca/sd/pubs/conservation-data-centre/mbcdc\\_bird\\_setbacks.pdf](https://www.gov.mb.ca/sd/pubs/conservation-data-centre/mbcdc_bird_setbacks.pdf).

The information provided in this letter is based on existing data known to the Manitoba CDC of the Wildlife and Fisheries Branch at the time of the request. These data are dependent on the research and observations of CDC staff and others who have shared their data, and reflect our current state of knowledge. **An absence of data does not confirm the absence of any rare or endangered species.** Many areas of the province have never been thoroughly surveyed, however, and the absence of data in any particular geographic area does not necessarily mean that species or ecological communities of concern are not present. The information should, therefore, not be regarded as a final statement on the occurrence of any species of concern nor should it substitute for on-site surveys for species or environmental assessments. Also, because our Biotics database is continually updated and because information requests are evaluated by type of action, any given response is only appropriate for its respective request.

Please contact the Manitoba CDC for an update on this natural heritage information if more than six months passes before it is utilised.

Third party requests for products wholly or partially derived from the Biotics database must be approved by the Manitoba CDC before information is released. Once approved, the primary user will identify the Manitoba CDC as data contributors on any map or publication using data from our database, as the Manitoba Conservation Data Centre; Wildlife and Fisheries Branch, Manitoba Sustainable Development.

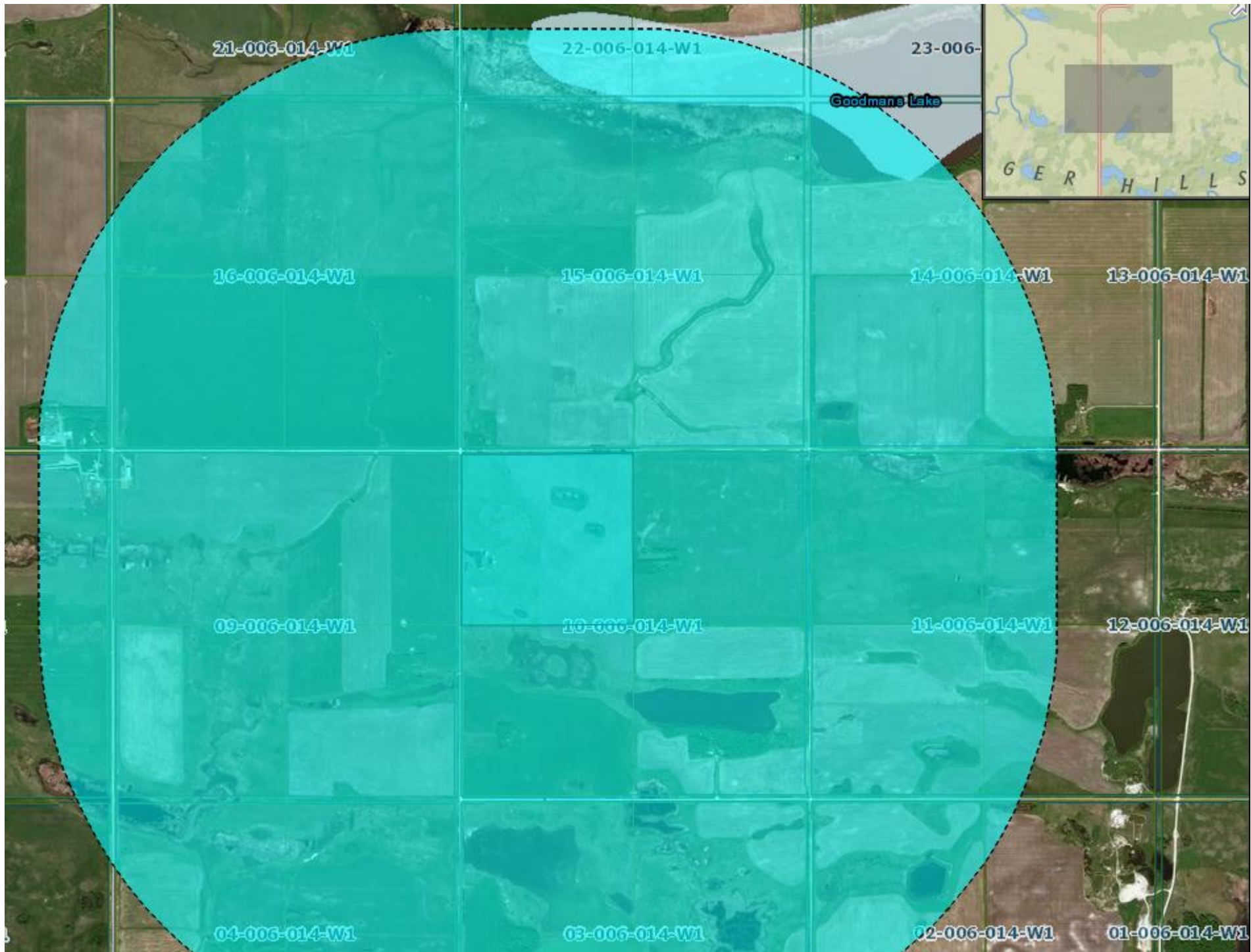
**This letter is for information purposes only - it does not constitute consent or approval of the proposed project or activity, nor does it negate the need for any permits or approvals required by the Province of Manitoba.**

We would be interested in receiving a copy of the results of any field surveys that you may undertake, to update our database with the most current knowledge of the area.

If you have any questions or require further information contact me directly at (204) 945-7760.

Colin

Reference screen clip:



Colin Murray  
Information Manager  
Manitoba Conservation Data Centre  
Wildlife and Fisheries Branch  
Department of Sustainable Development

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<http://www.gov.mb.ca/sd/cdc/index.html>





MMPP - Variety Yield Data Browser

Year	Risk Area / R.M.	Crop	Variety	Farms	Acres	Yield/acre(Metric)	Yield/acre(Metric)	Yield/acre(Imperial)	Yield/acre(Imperial)
2018	RISK AREA 05	RED SPRING WHEAT	CDC LANDMARK	6		841 2.379 Tonnes	Tonnes	87.4 Bushels	Bushels
2017	RISK AREA 05	RED SPRING WHEAT	AAC VIEWFIELD (FP GENETICS) BW965  EXP	3		615 2.252 Tonnes	Tonnes	82.7 Bushels	Bushels
2013	RISK AREA 05	RED SPRING WHEAT	CARDALE (BW429)	10		1577 2.173 Tonnes	Tonnes	79.9 Bushels	Bushels
2019	RISK AREA 05	RED SPRING WHEAT	CDC LANDMARK	5		1888 2.157 Tonnes	Tonnes	79.2 Bushels	Bushels
2013	RISK AREA 05	RED SPRING WHEAT	MUCHMORE (BW875)	3		820 2.120 Tonnes	Tonnes	77.9 Bushels	Bushels
2019	RISK AREA 05	RED SPRING WHEAT	AAC VIEWFIELD (FP GENETICS) BW965  EXP	8		1370 2.089 Tonnes	Tonnes	76.8 Bushels	Bushels
2018	RISK AREA 05	RED SPRING WHEAT	CDC HUGHES (CPSC)  PT588	5		807 2.042 Tonnes	Tonnes	75.0 Bushels	Bushels
2017	RISK AREA 05	RED SPRING WHEAT	HARVEST (BW259)	11		2881 2.035 Tonnes	Tonnes	74.8 Bushels	Bushels
2018	RISK AREA 05	RED SPRING WHEAT	AAC TISDALE (PT250)	8		1771 2.024 Tonnes	Tonnes	74.4 Bushels	Bushels
2017	RISK AREA 05	RED SPRING WHEAT	AAC BRANDON (BW 932)	431	161590.2	1.986 Tonnes	Tonnes	73.0 Bushels	Bushels
2009	RISK AREA 05	RED SPRING WHEAT	CDC GO (BW781)	35		6747 1.950 Tonnes	Tonnes	71.7 Bushels	Bushels
2017	RISK AREA 05	RED SPRING WHEAT	AAC CONNERY  PT245	10		1944 1.934 Tonnes	Tonnes	71.1 Bushels	Bushels
2015	RISK AREA 05	RED SPRING WHEAT	MUCHMORE (BW875)	5		1617 1.931 Tonnes	Tonnes	71.0 Bushels	Bushels
2018	RISK AREA 05	RED SPRING WHEAT	AAC BRANDON (BW 932)	520	210381	1.909 Tonnes	Tonnes	70.1 Bushels	Bushels
2018	RISK AREA 05	RED SPRING WHEAT	AAC VIEWFIELD (FP GENETICS) BW965  EXP	29		5211 1.900 Tonnes	Tonnes	69.8 Bushels	Bushels
2014	RISK AREA 05	RED SPRING WHEAT	AAC BRANDON (BW 932)	12		2720 1.892 Tonnes	Tonnes	69.5 Bushels	Bushels
2014	RISK AREA 05	RED SPRING WHEAT	MUCHMORE (BW875)	7		1235 1.879 Tonnes	Tonnes	69.0 Bushels	Bushels
2018	RISK AREA 05	RED SPRING WHEAT	AAC REDBERRY	19		3749 1.841 Tonnes	Tonnes	67.7 Bushels	Bushels
2017	RISK AREA 05	RED SPRING WHEAT	5604HR CL (BW 878)	6		1202 1.822 Tonnes	Tonnes	66.9 Bushels	Bushels
2017	RISK AREA 05	RED SPRING WHEAT	CARDALE (BW429)	81		20425.3 1.815 Tonnes	Tonnes	66.7 Bushels	Bushels
2013	RISK AREA 05	RED SPRING WHEAT	HARVEST (BW259)	227		85124.9 1.810 Tonnes	Tonnes	66.5 Bushels	Bushels
2017	RISK AREA 05	RED SPRING WHEAT	AAC ELIE(BW931)	58		15017.6 1.808 Tonnes	Tonnes	66.5 Bushels	Bushels
2009	RISK AREA 05	RED SPRING WHEAT	HARVEST (BW259)	178		58724.9 1.801 Tonnes	Tonnes	66.2 Bushels	Bushels
2014	RISK AREA 05	RED SPRING WHEAT	HARVEST (BW259)	200		77746 1.797 Tonnes	Tonnes	66.0 Bushels	Bushels
2015	RISK AREA 05	RED SPRING WHEAT	AAC BRANDON (BW 932)	155		44329 1.796 Tonnes	Tonnes	66.0 Bushels	Bushels
2013	RISK AREA 05	RED SPRING WHEAT	CDC ABOUND (BW824)	3		970 1.782 Tonnes	Tonnes	65.5 Bushels	Bushels
2013	RISK AREA 05	RED SPRING WHEAT	CDC STANLEY (BW880)	28		4556 1.773 Tonnes	Tonnes	65.1 Bushels	Bushels
2009	RISK AREA 05	RED SPRING WHEAT	CDC BOUNTY (BW720,W93079)	3		903 1.769 Tonnes	Tonnes	65.0 Bushels	Bushels
2017	RISK AREA 05	RED SPRING WHEAT	CARBERRY (BW874)	16		5245 1.766 Tonnes	Tonnes	64.9 Bushels	Bushels
2014	RISK AREA 05	RED SPRING WHEAT	CARDALE (BW429)	144		34157.3 1.757 Tonnes	Tonnes	64.6 Bushels	Bushels
2019	RISK AREA 05	RED SPRING WHEAT	AAC BRANDON (BW 932)	512	225360.1	1.755 Tonnes	Tonnes	64.5 Bushels	Bushels
2009	RISK AREA 05	RED SPRING WHEAT	GLENN	40		5789 1.741 Tonnes	Tonnes	64.0 Bushels	Bushels
2018	RISK AREA 05	RED SPRING WHEAT	AAC ELIE(BW931)	50		17539 1.736 Tonnes	Tonnes	63.8 Bushels	Bushels
2019	RISK AREA 05	RED SPRING WHEAT	AAC ELIE(BW931)	34		9229 1.734 Tonnes	Tonnes	63.7 Bushels	Bushels
2013	RISK AREA 05	RED SPRING WHEAT	GLENN	72		21231 1.718 Tonnes	Tonnes	63.1 Bushels	Bushels
2010	RISK AREA 05	RED SPRING WHEAT	CDC GO (BW781)	12		2573 1.716 Tonnes	Tonnes	63.0 Bushels	Bushels
2017	RISK AREA 05	RED SPRING WHEAT	CDC PLENTIFUL (PT580)	15		4531 1.711 Tonnes	Tonnes	62.9 Bushels	Bushels
2013	RISK AREA 05	RED SPRING WHEAT	WR859 CL (BW859)	34		10960 1.710 Tonnes	Tonnes	62.8 Bushels	Bushels
2013	RISK AREA 05	RED SPRING WHEAT	CARBERRY (BW874)	368		115057 1.699 Tonnes	Tonnes	62.4 Bushels	Bushels
2019	RISK AREA 05	RED SPRING WHEAT	AAC TISDALE (PT250)	43		7925 1.696 Tonnes	Tonnes	62.3 Bushels	Bushels
2018	RISK AREA 05	RED SPRING WHEAT	AAC CONNERY  PT245	7		1429 1.690 Tonnes	Tonnes	62.1 Bushels	Bushels
2015	RISK AREA 05	RED SPRING WHEAT	CDC PLENTIFUL (PT580)	39		6397.5 1.687 Tonnes	Tonnes	62.0 Bushels	Bushels
2015	RISK AREA 05	RED SPRING WHEAT	HARVEST (BW259)	202		74917 1.678 Tonnes	Tonnes	61.7 Bushels	Bushels
2019	RISK AREA 05	RED SPRING WHEAT	CARDALE (BW429)	32		7315 1.668 Tonnes	Tonnes	61.3 Bushels	Bushels
2009	RISK AREA 05	RED SPRING WHEAT	KANE (BW342)	291		63644.9 1.663 Tonnes	Tonnes	61.1 Bushels	Bushels
2015	RISK AREA 05	RED SPRING WHEAT	AAC ELIE(BW931)	20		5212 1.661 Tonnes	Tonnes	61.0 Bushels	Bushels
2009	RISK AREA 05	RED SPRING WHEAT	CDC ABOUND (BW824)	15		2713 1.657 Tonnes	Tonnes	60.9 Bushels	Bushels
2019	RISK AREA 05	RED SPRING WHEAT	CDC HUGHES (CPSC)  PT588	19		3513 1.655 Tonnes	Tonnes	60.8 Bushels	Bushels
2013	RISK AREA 05	RED SPRING WHEAT	5603 HR	4		1834 1.646 Tonnes	Tonnes	60.5 Bushels	Bushels
2013	RISK AREA 05	RED SPRING WHEAT	5604HR CL (BW 878)	32		7307 1.638 Tonnes	Tonnes	60.2 Bushels	Bushels
2015	RISK AREA 05	RED SPRING WHEAT	CARDALE (BW429)	209		63850.3 1.634 Tonnes	Tonnes	60.1 Bushels	Bushels
2014	RISK AREA 05	RED SPRING WHEAT	CDC STANLEY (BW880)	6		1338 1.633 Tonnes	Tonnes	60.0 Bushels	Bushels
2014	RISK AREA 05	RED SPRING WHEAT	CDC UTMOST (BW 883)	3		1283 1.630 Tonnes	Tonnes	59.9 Bushels	Bushels
2019	RISK AREA 05	RED SPRING WHEAT	AAC REDBERRY	43		9928 1.628 Tonnes	Tonnes	59.8 Bushels	Bushels
2019	RISK AREA 05	RED SPRING WHEAT	BOLLES (SEED DEPOT)	7		1124 1.623 Tonnes	Tonnes	59.6 Bushels	Bushels
2014	RISK AREA 05	RED SPRING WHEAT	GLENN	53		14728 1.619 Tonnes	Tonnes	59.5 Bushels	Bushels
2018	RISK AREA 05	RED SPRING WHEAT	CARDALE (BW429)	46		12647 1.618 Tonnes	Tonnes	59.5 Bushels	Bushels
2018	RISK AREA 05	RED SPRING WHEAT	HARVEST (BW259)	7		1444 1.615 Tonnes	Tonnes	59.3 Bushels	Bushels
2013	RISK AREA 05	RED SPRING WHEAT	MCKENZIE (BW 205)	3		717 1.610 Tonnes	Tonnes	59.2 Bushels	Bushels
2010	RISK AREA 05	RED SPRING WHEAT	HARVEST (BW259)	220		83759.4 1.609 Tonnes	Tonnes	59.1 Bushels	Bushels
2017	RISK AREA 05	RED SPRING WHEAT	GLENN	10		3032 1.605 Tonnes	Tonnes	59.0 Bushels	Bushels
2009	RISK AREA 05	RED SPRING WHEAT	AC DOMAIN (BW 148)	174		61382 1.602 Tonnes	Tonnes	58.9 Bushels	Bushels
2014	RISK AREA 05	RED SPRING WHEAT	KANE (BW342)	30		7535 1.595 Tonnes	Tonnes	58.6 Bushels	Bushels
2015	RISK AREA 05	RED SPRING WHEAT	CARBERRY (BW874)	129		36869 1.590 Tonnes	Tonnes	58.4 Bushels	Bushels
2009	RISK AREA 05	RED SPRING WHEAT	AC BARRIE (BW 661)	72		20947 1.588 Tonnes	Tonnes	58.3 Bushels	Bushels
2018	RISK AREA 05	RED SPRING WHEAT	CARBERRY (BW874)	11		2040 1.581 Tonnes	Tonnes	58.1 Bushels	Bushels
2017	RISK AREA 05	RED SPRING WHEAT	AAC W1876  BW957	6		1482 1.569 Tonnes	Tonnes	57.7 Bushels	Bushels
2012	RISK AREA 05	RED SPRING WHEAT	CDC GO (BW781)	4		1923 1.569 Tonnes	Tonnes	57.6 Bushels	Bushels
2016	RISK AREA 05	RED SPRING WHEAT	MUCHMORE (BW875)	6		1278 1.569 Tonnes	Tonnes	57.6 Bushels	Bushels
2014	RISK AREA 05	RED SPRING WHEAT	5604HR CL (BW 878)	34		10225 1.565 Tonnes	Tonnes	57.5 Bushels	Bushels
2013	RISK AREA 05	RED SPRING WHEAT	CDC UTMOST (BW 883)	3		580 1.561 Tonnes	Tonnes	57.4 Bushels	Bushels
2013	RISK AREA 05	RED SPRING WHEAT	KANE (BW342)	54		16208 1.563 Tonnes	Tonnes	57.4 Bushels	Bushels
2014	RISK AREA 05	RED SPRING WHEAT	CARBERRY (BW874)	294		90113 1.558 Tonnes	Tonnes	57.2 Bushels	Bushels
2010	RISK AREA 05	RED SPRING WHEAT	5603 HR	11		1341 1.552 Tonnes	Tonnes	57.0 Bushels	Bushels
2018	RISK AREA 05	RED SPRING WHEAT	AAC W1876  BW957	16		4223 1.543 Tonnes	Tonnes	56.7 Bushels	Bushels
2009	RISK AREA 05	RED SPRING WHEAT	5602HR (BW297)	67		13914 1.538 Tonnes	Tonnes	56.5 Bushels	Bushels
2018	RISK AREA 05	RED SPRING WHEAT	CDC PLENTIFUL (PT580)	7		1499 1.533 Tonnes	Tonnes	56.3 Bushels	Bushels
2009	RISK AREA 05	RED SPRING WHEAT	AC CORA (BW 152)	7		1700 1.526 Tonnes	Tonnes	56.1 Bushels	Bushels
2016	RISK AREA 05	RED SPRING WHEAT	WR859 CL (BW859)	5		1651 1.526 Tonnes	Tonnes	56.1 Bushels	Bushels
2009	RISK AREA 05	RED SPRING WHEAT	INFINITY (BW 799)	16		5608 1.523 Tonnes	Tonnes	55.9 Bushels	Bushels
2014	RISK AREA 05	RED SPRING WHEAT	WR859 CL (BW859)	37		9279 1.521 Tonnes	Tonnes	55.9 Bushels	Bushels
2018	RISK AREA 05	RED SPRING WHEAT	AAC CAMERON VB (CANTERRA)	18		4094 1.519 Tonnes	Tonnes	55.8 Bushels	Bushels
2010	RISK AREA 05	RED SPRING WHEAT	INFINITY (BW 799)	13		4065 1.515 Tonnes	Tonnes	55.7 Bushels	Bushels
2012	RISK AREA 05	RED SPRING WHEAT	CDC UTMOST (BW 883)	10		1420 1.514 Tonnes	Tonnes	55.6 Bushels	Bushels
2015	RISK AREA 05	RED SPRING WHEAT	GLENN	42		13268 1.512 Tonnes	Tonnes	55.6 Bushels	Bushels
2016	RISK AREA 05	RED SPRING WHEAT	GLENN	21		5679 1.509 Tonnes	Tonnes	55.5 Bushels	Bushels
2015	RISK AREA 05	RED SPRING WHEAT	5604HR CL (BW 878)	43		11923 1.503 Tonnes	Tonnes	55.2 Bushels	Bushels
2016	RISK AREA 05	RED SPRING WHEAT	AAC BRANDON (BW 932)	371	120530.8	1.501 Tonnes	Tonnes	55.1 Bushels	Bushels
2015	RISK AREA 05	RED SPRING WHEAT	WR859 CL (BW859)	14		6133 1.498 Tonnes	Tonnes	55.0 Bushels	Bushels
2017	RISK AREA 05	RED SPRING WHEAT	WR859 CL (BW859)	3		1217 1.460 Tonnes	Tonnes	53.6 Bushels	Bushels
2009	RISK AREA 05	RED SPRING WHEAT	SUPERB (BW252)	24		6781.1 1.454 Tonnes	Tonnes	53.4 Bushels	Bushels
2016	RISK AREA 05	RED SPRING WHEAT	AAC CONNERY  PT245	11		1284 1.452 Tonnes	Tonnes	53.4 Bushels	Bushels
2014	RISK AREA 05	RED SPRING WHEAT	CDC VR MORRIS (BW423)	10		2505 1.445 Tonnes	Tonnes	53.1 Bushels	Bushels
2009	RISK AREA 05	RED SPRING WHEAT	LOVITT (PT205)	7		1342 1.439 Tonnes	Tonnes	52.9 Bushels	Bushels
2015	RISK AREA 05	RED SPRING WHEAT	AC DOMAIN (BW 148)	5		1540 1.436 Tonnes	Tonnes	52.8 Bushels	Bushels
2015	RISK AREA 05	RED SPRING WHEAT	CDC VR MORRIS (BW423)	7		1765 1.435 Tonnes	Tonnes	52.7 Bushels	Bushels
2012	RISK AREA 05	RED SPRING WHEAT	CDC STANLEY (BW880)	9		1450 1.432 Tonnes	Tonnes	52.6 Bushels	Bushels
2012	RISK AREA 05	RED SPRING WHEAT	WR859 CL (BW859)	22		5110 1.431 Tonnes	Tonnes	52.6 Bushels	Bushels
2019	RISK AREA 05	RED SPRING WHEAT	CDC TITANIUM (PROVEN SEED)	8		2058 1.430 Tonnes	Tonnes	52.5 Bushels	Bushels
2010	RISK AREA 05	RED SPRING WHEAT	CDC ABOUND (BW824)	13		2358 1.417 Tonnes	Tonnes	52.1 Bushels	Bushels
2012	RISK AREA 05	RED SPRING WHEAT	5604HR CL (BW 878)	15		2525 1.418 Tonnes	Tonnes	52.1 Bushels	Bushels
2013	RISK AREA 05	RED SPRING WHEAT	VESPER VB (BW415)	11		2350 1.418 Tonnes	Tonnes	52.1 Bushels	Bushels
2017	RISK AREA 05	RED SPRING WHEAT	5605HR CL (BW918)	4		786 1.418 Tonnes	Tonnes	52.1 Bushels	Bushels
2013	RISK AREA 05	RED SPRING WHEAT	AC DOMAIN (BW 148)	34		8391 1.405 Tonnes	Tonnes	51.6 Bushels	Bushels
2011	RISK AREA 05	RED SPRING WHEAT	CDC GO (BW781)	5		808 1.401 Tonnes	Tonnes	51.5 Bushels	Bushels
2016	RISK AREA 05	RED SPRING WHEAT	AAC ELIE(BW931)	49		13715.3 1.402 Tonnes	Tonnes	51.5 Bushels	Bushels
2014	RISK AREA 05	RED SPRING WHEAT	AC DOMAIN (BW 148)	10		2529 1.400 Tonnes	Tonnes	51.4 Bushels	Bushels
2012	RISK AREA 05	RED SPRING WHEAT	MCKENZIE (BW 205)	5		2159 1.394 Tonnes	Tonnes	51.2 Bushels	Bushels
2013	RISK AREA 05	RED SPRING WHEAT	5602HR (BW297)	6		1602 1.386 Tonnes	Tonnes	50.9 Bushels	Bushels
2012	RISK AREA 05	RED SPRING WHEAT	GLENN	87		22406.8 1.380 Tonnes	Tonnes	50.7 Bushels	Bushels
2012	RISK AREA 05	RED SPRING WHEAT	CDC ABOUND (BW824)	5		1175 1.378 Tonnes	Tonnes	50.6 Bushels	Bushels
2009	RISK AREA 05	RED SPRING WHEAT	AC CADILLAC (BW 689)	8		2028 1.370 Tonnes	Tonnes	50.3 Bushels	Bushels
2010	RISK AREA 05	RED SPRING WHEAT	AC DOMAIN (BW 148)	115		41717 1.363 Tonnes	Tonnes	50.1 Bushels	Bushels
2012	RISK AREA 05	RED SPRING WHEAT	HARVEST (BW259)	288		110293.9 1.363 Tonnes	Tonnes	50.1 Bushels	Bushels

2016 RISK AREA 05	RED SPRING WHEAT	CARDALE (BW429)	139	44354.4	1.364	Tonnes	50.1	Bushels	Bushels
2010 RISK AREA 05	RED SPRING WHEAT	CDC IMAGINE (BW758)(IMI)	5	1194	1.359	Tonnes	49.9	Bushels	Bushels
2010 RISK AREA 05	RED SPRING WHEAT	GLENN	144	34321	1.359	Tonnes	49.9	Bushels	Bushels
2010 RISK AREA 05	RED SPRING WHEAT	KANE (BW342)	276	83372.6	1.355	Tonnes	49.8	Bushels	Bushels
2012 RISK AREA 05	RED SPRING WHEAT	CARBERRY (BW874)	195	38273.9	1.352	Tonnes	49.7	Bushels	Bushels
2013 RISK AREA 05	RED SPRING WHEAT	AC BARRIE (BW 661)	8	1109	1.351	Tonnes	49.6	Bushels	Bushels
2016 RISK AREA 05	RED SPRING WHEAT	HARVEST (BW259)	105	35238.5	1.335	Tonnes	49.1	Bushels	Bushels
2009 RISK AREA 05	RED SPRING WHEAT	MCKENZIE (BW 205)	18	7669.8	1.329	Tonnes	48.8	Bushels	Bushels
2016 RISK AREA 05	RED SPRING WHEAT	CDC VR MORRIS (BW423)	5	1393	1.324	Tonnes	48.7	Bushels	Bushels
2009 RISK AREA 05	RED SPRING WHEAT	CDC IMAGINE (BW758)(IMI)	15	2547	1.319	Tonnes	48.5	Bushels	Bushels
2015 RISK AREA 05	RED SPRING WHEAT	5605HR CL (BW918)	8	1917	1.316	Tonnes	48.4	Bushels	Bushels
2010 RISK AREA 05	RED SPRING WHEAT	AC CORA (BW 152)	4	1076	1.314	Tonnes	48.3	Bushels	Bushels
2014 RISK AREA 05	RED SPRING WHEAT	AC BARRIE (BW 661)	7	646	1.315	Tonnes	48.3	Bushels	Bushels
2009 RISK AREA 05	RED SPRING WHEAT	5601HR (BW256)	15	4374	1.310	Tonnes	48.1	Bushels	Bushels
2014 RISK AREA 05	RED SPRING WHEAT	VESPER VB (BW415)	10	1701	1.310	Tonnes	48.1	Bushels	Bushels
2019 RISK AREA 05	RED SPRING WHEAT	AAC CAMERON VB (CANTERRA)	14	3569	1.294	Tonnes	47.6	Bushels	Bushels
2009 RISK AREA 05	RED SPRING WHEAT	AC INTREPID (BW 693)	3	875	1.283	Tonnes	47.1	Bushels	Bushels
2016 RISK AREA 05	RED SPRING WHEAT	5604HR CL (BW 878)	21	5346	1.281	Tonnes	47.1	Bushels	Bushels
2016 RISK AREA 05	RED SPRING WHEAT	CARBERRY (BW874)	45	11729	1.280	Tonnes	47.0	Bushels	Bushels
2010 RISK AREA 05	RED SPRING WHEAT	5602HR (BW297)	51	10815	1.269	Tonnes	46.6	Bushels	Bushels
2015 RISK AREA 05	RED SPRING WHEAT	KANE (BW342)	14	2276	1.267	Tonnes	46.6	Bushels	Bushels
2017 RISK AREA 05	RED SPRING WHEAT	AAC REDWATER (PT457)	5	1114	1.262	Tonnes	46.4	Bushels	Bushels
2011 RISK AREA 05	RED SPRING WHEAT	CARBERRY (BW874)	22	4120	1.247	Tonnes	45.8	Bushels	Bushels
2010 RISK AREA 05	RED SPRING WHEAT	AC BARRIE (BW 661)	45	11062.7	1.232	Tonnes	45.3	Bushels	Bushels
2012 RISK AREA 05	RED SPRING WHEAT	5602HR (BW297)	8	3173	1.228	Tonnes	45.1	Bushels	Bushels
2011 RISK AREA 05	RED SPRING WHEAT	HARVEST (BW259)	265	98450.6	1.222	Tonnes	44.9	Bushels	Bushels
2012 RISK AREA 05	RED SPRING WHEAT	KANE (BW342)	137	38076.1	1.220	Tonnes	44.8	Bushels	Bushels
2015 RISK AREA 05	RED SPRING WHEAT	VESPER VB (BW415)	9	1143	1.215	Tonnes	44.6	Bushels	Bushels
2016 RISK AREA 05	RED SPRING WHEAT	CDC PLENTIFUL (PTS80)	27	6145	1.212	Tonnes	44.5	Bushels	Bushels
2012 RISK AREA 05	RED SPRING WHEAT	AC DOMAIN (BW 148)	78	31192	1.193	Tonnes	43.8	Bushels	Bushels
2012 RISK AREA 05	RED SPRING WHEAT	AC BARRIE (BW 661)	23	3999	1.180	Tonnes	43.3	Bushels	Bushels
2012 RISK AREA 05	RED SPRING WHEAT	MUCHMORE (BW875)	7	1582	1.172	Tonnes	43.1	Bushels	Bushels
2019 RISK AREA 05	RED SPRING WHEAT	5605HR CL (BW918)	3	960	1.169	Tonnes	42.9	Bushels	Bushels
2011 RISK AREA 05	RED SPRING WHEAT	5602HR (BW297)	13	3335	1.166	Tonnes	42.8	Bushels	Bushels
2012 RISK AREA 05	RED SPRING WHEAT	5603 HR	27	6811	1.162	Tonnes	42.7	Bushels	Bushels
2011 RISK AREA 05	RED SPRING WHEAT	GLENN	91	24116	1.160	Tonnes	42.6	Bushels	Bushels
2010 RISK AREA 05	RED SPRING WHEAT	WASKADA (BW 357)	10	1974	1.142	Tonnes	42.0	Bushels	Bushels
2010 RISK AREA 05	RED SPRING WHEAT	5601HR (BW256)	5	1303	1.127	Tonnes	41.4	Bushels	Bushels
2016 RISK AREA 05	RED SPRING WHEAT	5605HR CL (BW918)	7	1185	1.124	Tonnes	41.3	Bushels	Bushels
2010 RISK AREA 05	RED SPRING WHEAT	MCKENZIE (BW 205)	9	2425	1.111	Tonnes	40.8	Bushels	Bushels
2011 RISK AREA 05	RED SPRING WHEAT	KANE (BW342)	210	54795	1.072	Tonnes	39.4	Bushels	Bushels
2011 RISK AREA 05	RED SPRING WHEAT	WR859 CL (BW859)	15	3040	1.067	Tonnes	39.2	Bushels	Bushels
2018 RISK AREA 05	RED SPRING WHEAT	5605HR CL (BW918)	4	1023	1.066	Tonnes	39.2	Bushels	Bushels
2011 RISK AREA 05	RED SPRING WHEAT	CDC ABOUND (BW824)	7	1140	1.059	Tonnes	38.9	Bushels	Bushels
2011 RISK AREA 05	RED SPRING WHEAT	AC DOMAIN (BW 148)	86	29153	1.023	Tonnes	37.6	Bushels	Bushels
2019 RISK AREA 05	RED SPRING WHEAT	AAC CONNERY  PT245	3	828	1.005	Tonnes	36.9	Bushels	Bushels
2012 RISK AREA 05	RED SPRING WHEAT	WASKADA (BW 357)	5	524	1.002	Tonnes	36.8	Bushels	Bushels
2016 RISK AREA 05	RED SPRING WHEAT	KANE (BW342)	7	1119	0.975	Tonnes	35.8	Bushels	Bushels
2011 RISK AREA 05	RED SPRING WHEAT	5603 HR	42	9345	0.950	Tonnes	34.9	Bushels	Bushels
2010 RISK AREA 05	RED SPRING WHEAT	AC CADILLAC (BW 689)	4	835	0.941	Tonnes	34.6	Bushels	Bushels
2011 RISK AREA 05	RED SPRING WHEAT	AC BARRIE (BW 661)	26	4565	0.937	Tonnes	34.4	Bushels	Bushels
2011 RISK AREA 05	RED SPRING WHEAT	AC CORA (BW 152)	3	774	0.896	Tonnes	32.9	Bushels	Bushels
2011 RISK AREA 05	RED SPRING WHEAT	WASKADA (BW 357)	10	2042	0.859	Tonnes	31.6	Bushels	Bushels
2019 RISK AREA 05	RED SPRING WHEAT	CDC PLENTIFUL (PTS80)	5	1816	0.743	Tonnes	27.3	Bushels	Bushels
2011 RISK AREA 05	RED SPRING WHEAT	MCKENZIE (BW 205)	8	1254	0.687	Tonnes	25.2	Bushels	Bushels
2019 RISK AREA 05	RED SPRING WHEAT	CARBERRY (BW874)	4	989	0.602	Tonnes	22.1	Bushels	Bushels
2009 RISK AREA 05	RED SPRING WHEAT	AC ELSA (BW 685)	Below	Minimum	Tolerance				
2009 RISK AREA 05	RED SPRING WHEAT	FIELDSTAR VB	Below	Minimum	Tolerance				
2009 RISK AREA 05	RED SPRING WHEAT	JOURNEY (BW243)	Below	Minimum	Tolerance				
2009 RISK AREA 05	RED SPRING WHEAT	SOMERSET (BW307)	Below	Minimum	Tolerance				
2009 RISK AREA 05	RED SPRING WHEAT	UNITY VB	Below	Minimum	Tolerance				
2010 RISK AREA 05	RED SPRING WHEAT	CARBERRY (BW874)	Below	Minimum	Tolerance				
2010 RISK AREA 05	RED SPRING WHEAT	CDC BOUNTY (BW720,W93079)	Below	Minimum	Tolerance				
2010 RISK AREA 05	RED SPRING WHEAT	FIELDSTAR VB	Below	Minimum	Tolerance				
2010 RISK AREA 05	RED SPRING WHEAT	LOVITT (PT205)	Below	Minimum	Tolerance				
2010 RISK AREA 05	RED SPRING WHEAT	MUCHMORE (BW875)	Below	Minimum	Tolerance				
2010 RISK AREA 05	RED SPRING WHEAT	NO VAR	Below	Minimum	Tolerance				
2010 RISK AREA 05	RED SPRING WHEAT	SOMERSET (BW307)	Below	Minimum	Tolerance				
2010 RISK AREA 05	RED SPRING WHEAT	SUPERB (BW252)	Below	Minimum	Tolerance				
2010 RISK AREA 05	RED SPRING WHEAT	WR859 CL (BW859)	Below	Minimum	Tolerance				
2010 RISK AREA 05	RED SPRING WHEAT	5600HR (BW 238)	Below	Minimum	Tolerance				
2011 RISK AREA 05	RED SPRING WHEAT	AC CADILLAC (BW 689)	Below	Minimum	Tolerance				
2011 RISK AREA 05	RED SPRING WHEAT	CARDALE (BW429)	Below	Minimum	Tolerance				
2011 RISK AREA 05	RED SPRING WHEAT	CDC BOUNTY (BW720,W93079)	Below	Minimum	Tolerance				
2011 RISK AREA 05	RED SPRING WHEAT	CDC IMAGINE (BW758)(IMI)	Below	Minimum	Tolerance				
2011 RISK AREA 05	RED SPRING WHEAT	CDC KERNEN (BW881)	Below	Minimum	Tolerance				
2011 RISK AREA 05	RED SPRING WHEAT	CDC UTMOST (BW 883)	Below	Minimum	Tolerance				
2011 RISK AREA 05	RED SPRING WHEAT	FIELDSTAR VB	Below	Minimum	Tolerance				
2011 RISK AREA 05	RED SPRING WHEAT	LOVITT (PT205)	Below	Minimum	Tolerance				
2011 RISK AREA 05	RED SPRING WHEAT	MUCHMORE (BW875)	Below	Minimum	Tolerance				
2011 RISK AREA 05	RED SPRING WHEAT	NO VAR	Below	Minimum	Tolerance				
2011 RISK AREA 05	RED SPRING WHEAT	SOMERSET (BW307)	Below	Minimum	Tolerance				
2011 RISK AREA 05	RED SPRING WHEAT	UNITY VB	Below	Minimum	Tolerance				
2011 RISK AREA 05	RED SPRING WHEAT	5601HR (BW256)	Below	Minimum	Tolerance				
2012 RISK AREA 05	RED SPRING WHEAT	AC CADILLAC (BW 689)	Below	Minimum	Tolerance				
2012 RISK AREA 05	RED SPRING WHEAT	AC CORA (BW 152)	Below	Minimum	Tolerance				
2012 RISK AREA 05	RED SPRING WHEAT	BW931	Below	Minimum	Tolerance				
2012 RISK AREA 05	RED SPRING WHEAT	CARDALE (BW429)	Below	Minimum	Tolerance				
2012 RISK AREA 05	RED SPRING WHEAT	CDC BOUNTY (BW720,W93079)	Below	Minimum	Tolerance				
2012 RISK AREA 05	RED SPRING WHEAT	CDC IMAGINE (BW758)(IMI)	Below	Minimum	Tolerance				
2012 RISK AREA 05	RED SPRING WHEAT	CDC KERNEN (BW881)	Below	Minimum	Tolerance				
2012 RISK AREA 05	RED SPRING WHEAT	FIELDSTAR VB	Below	Minimum	Tolerance				
2012 RISK AREA 05	RED SPRING WHEAT	NO VAR	Below	Minimum	Tolerance				
2012 RISK AREA 05	RED SPRING WHEAT	SY433 (BW433)	Below	Minimum	Tolerance				
2012 RISK AREA 05	RED SPRING WHEAT	VESPER VB (BW415)	Below	Minimum	Tolerance				
2013 RISK AREA 05	RED SPRING WHEAT	AAC BRANDON (BW 932)	Below	Minimum	Tolerance				
2013 RISK AREA 05	RED SPRING WHEAT	AC CORA (BW 152)	Below	Minimum	Tolerance				
2013 RISK AREA 05	RED SPRING WHEAT	BW931	Below	Minimum	Tolerance				
2013 RISK AREA 05	RED SPRING WHEAT	CDC BOUNTY (BW720,W93079)	Below	Minimum	Tolerance				
2013 RISK AREA 05	RED SPRING WHEAT	CDC GO (BW781)	Below	Minimum	Tolerance				
2013 RISK AREA 05	RED SPRING WHEAT	CDC IMAGINE (BW758)(IMI)	Below	Minimum	Tolerance				
2013 RISK AREA 05	RED SPRING WHEAT	CDC KERNEN (BW881)	Below	Minimum	Tolerance				
2013 RISK AREA 05	RED SPRING WHEAT	CDC VR MORRIS (BW423)	Below	Minimum	Tolerance				
2013 RISK AREA 05	RED SPRING WHEAT	FIELDSTAR VB	Below	Minimum	Tolerance				
2013 RISK AREA 05	RED SPRING WHEAT	NO VAR	Below	Minimum	Tolerance				
2013 RISK AREA 05	RED SPRING WHEAT	WASKADA (BW 357)	Below	Minimum	Tolerance				
2013 RISK AREA 05	RED SPRING WHEAT	5601HR (BW256)	Below	Minimum	Tolerance				
2014 RISK AREA 05	RED SPRING WHEAT	AAC ELIE(BW931)	Below	Minimum	Tolerance				
2014 RISK AREA 05	RED SPRING WHEAT	AAC ICEBERG CWHRS	Below	Minimum	Tolerance				
2014 RISK AREA 05	RED SPRING WHEAT	CDC ABOUND (BW824)	Below	Minimum	Tolerance				
2014 RISK AREA 05	RED SPRING WHEAT	CDC GO (BW781)	Below	Minimum	Tolerance				
2014 RISK AREA 05	RED SPRING WHEAT	CDC KERNEN (BW881)	Below	Minimum	Tolerance				
2014 RISK AREA 05	RED SPRING WHEAT	CDC PLENTIFUL (PTS80)	Below	Minimum	Tolerance				
2014 RISK AREA 05	RED SPRING WHEAT	MCKENZIE (BW 205)	Below	Minimum	Tolerance				
2014 RISK AREA 05	RED SPRING WHEAT	NO VAR	Below	Minimum	Tolerance				
2014 RISK AREA 05	RED SPRING WHEAT	SHAW VB (BW394)	Below	Minimum	Tolerance				

2014 RISK AREA 05	RED SPRING WHEAT	SY433 (BW433)	Below	Minimum	Tolerance
2014 RISK AREA 05	RED SPRING WHEAT	5400IP (BW295)	Below	Minimum	Tolerance
2014 RISK AREA 05	RED SPRING WHEAT	5601HR (BW256)	Below	Minimum	Tolerance
2014 RISK AREA 05	RED SPRING WHEAT	5603 HR	Below	Minimum	Tolerance
2014 RISK AREA 05	RED SPRING WHEAT	5605HR CL (BW918)	Below	Minimum	Tolerance
2015 RISK AREA 05	RED SPRING WHEAT	AAC CONNERY  PT245	Below	Minimum	Tolerance
2015 RISK AREA 05	RED SPRING WHEAT	AAC W1876  BW957	Below	Minimum	Tolerance
2015 RISK AREA 05	RED SPRING WHEAT	AC BARRIE (BW 661)	Below	Minimum	Tolerance
2015 RISK AREA 05	RED SPRING WHEAT	AC SPLENDOR (BW 191)	Below	Minimum	Tolerance
2015 RISK AREA 05	RED SPRING WHEAT	CDC ABOUND (BW824)	Below	Minimum	Tolerance
2015 RISK AREA 05	RED SPRING WHEAT	CDC GO (BW781)	Below	Minimum	Tolerance
2015 RISK AREA 05	RED SPRING WHEAT	CDC KERNEN (BW881)	Below	Minimum	Tolerance
2015 RISK AREA 05	RED SPRING WHEAT	CDC STANLEY (BW880)	Below	Minimum	Tolerance
2015 RISK AREA 05	RED SPRING WHEAT	MCKENZIE (BW 205)	Below	Minimum	Tolerance
2015 RISK AREA 05	RED SPRING WHEAT	PT584 (EXP)	Below	Minimum	Tolerance
2015 RISK AREA 05	RED SPRING WHEAT	SY433 (BW433)	Below	Minimum	Tolerance
2015 RISK AREA 05	RED SPRING WHEAT	5601HR (BW256)	Below	Minimum	Tolerance
2016 RISK AREA 05	RED SPRING WHEAT	AAC REDBERRY	Below	Minimum	Tolerance
2016 RISK AREA 05	RED SPRING WHEAT	AAC REDWATER (PT457)	Below	Minimum	Tolerance
2016 RISK AREA 05	RED SPRING WHEAT	AAC VIEWFIELD (FP GENETICS) BW965  EXP	Below	Minimum	Tolerance
2016 RISK AREA 05	RED SPRING WHEAT	AAC W1876  BW957	Below	Minimum	Tolerance
2016 RISK AREA 05	RED SPRING WHEAT	AC BARRIE (BW 661)	Below	Minimum	Tolerance
2016 RISK AREA 05	RED SPRING WHEAT	AC DOMAIN (BW 148)	Below	Minimum	Tolerance
2016 RISK AREA 05	RED SPRING WHEAT	CDC STANLEY (BW880)	Below	Minimum	Tolerance
2016 RISK AREA 05	RED SPRING WHEAT	THORSBY	Below	Minimum	Tolerance
2016 RISK AREA 05	RED SPRING WHEAT	VESPER VB (BW415)	Below	Minimum	Tolerance
2017 RISK AREA 05	RED SPRING WHEAT	AAC BAILEY (BW901)	Below	Minimum	Tolerance
2017 RISK AREA 05	RED SPRING WHEAT	AAC CAMERON VB (CANTERRA)	Below	Minimum	Tolerance
2017 RISK AREA 05	RED SPRING WHEAT	AAC REDBERRY	Below	Minimum	Tolerance
2017 RISK AREA 05	RED SPRING WHEAT	AC BARRIE (BW 661)	Below	Minimum	Tolerance
2017 RISK AREA 05	RED SPRING WHEAT	AC DOMAIN (BW 148)	Below	Minimum	Tolerance
2017 RISK AREA 05	RED SPRING WHEAT	CDC LANDMARK	Below	Minimum	Tolerance
2017 RISK AREA 05	RED SPRING WHEAT	CDC STANLEY (BW880)	Below	Minimum	Tolerance
2017 RISK AREA 05	RED SPRING WHEAT	CDC TITANIUM (PROVEN SEED)	Below	Minimum	Tolerance
2017 RISK AREA 05	RED SPRING WHEAT	CDC VR MORRIS (BW423)	Below	Minimum	Tolerance
2017 RISK AREA 05	RED SPRING WHEAT	MUCHMORE (BW875)	Below	Minimum	Tolerance
2017 RISK AREA 05	RED SPRING WHEAT	PT250 (SECAN)  B0608-ER04B  EXPERIMENTAL	Below	Minimum	Tolerance
2017 RISK AREA 05	RED SPRING WHEAT	SY SLATE (SYNGENTA)  BW496	Below	Minimum	Tolerance
2017 RISK AREA 05	RED SPRING WHEAT	SY SOVITE (SYNGENTA)  BW1011   08S2133-18	Below	Minimum	Tolerance
2018 RISK AREA 05	RED SPRING WHEAT	AAC REDWATER (PT457)	Below	Minimum	Tolerance
2018 RISK AREA 05	RED SPRING WHEAT	AC BARRIE (BW 661)	Below	Minimum	Tolerance
2018 RISK AREA 05	RED SPRING WHEAT	AC DOMAIN (BW 148)	Below	Minimum	Tolerance
2018 RISK AREA 05	RED SPRING WHEAT	CDC TITANIUM (PROVEN SEED)	Below	Minimum	Tolerance
2018 RISK AREA 05	RED SPRING WHEAT	CDC VR MORRIS (BW423)	Below	Minimum	Tolerance
2018 RISK AREA 05	RED SPRING WHEAT	GLENN	Below	Minimum	Tolerance
2018 RISK AREA 05	RED SPRING WHEAT	SY SOVITE (SYNGENTA)  BW1011   08S2133-18	Below	Minimum	Tolerance
2018 RISK AREA 05	RED SPRING WHEAT	5604HR CL (BW 878)	Below	Minimum	Tolerance
2019 RISK AREA 05	RED SPRING WHEAT	AAC STARBUCK (SECAN)	Below	Minimum	Tolerance
2019 RISK AREA 05	RED SPRING WHEAT	AAC STARBUCK VB (SECAN)	Below	Minimum	Tolerance
2019 RISK AREA 05	RED SPRING WHEAT	AAC W1876  BW957	Below	Minimum	Tolerance
2019 RISK AREA 05	RED SPRING WHEAT	AC BARRIE (BW 661)	Below	Minimum	Tolerance
2019 RISK AREA 05	RED SPRING WHEAT	AC DOMAIN (BW 148)	Below	Minimum	Tolerance
2019 RISK AREA 05	RED SPRING WHEAT	CDC VR MORRIS (BW423)	Below	Minimum	Tolerance
2019 RISK AREA 05	RED SPRING WHEAT	GLENN	Below	Minimum	Tolerance
2019 RISK AREA 05	RED SPRING WHEAT	LNR 13-0601 (CANTERRA)	Below	Minimum	Tolerance
2019 RISK AREA 05	RED SPRING WHEAT	SY TORACH (SYNGENTA)	Below	Minimum	Tolerance
2019 RISK AREA 05	RED SPRING WHEAT	5500HR (BW 245)	Below	Minimum	Tolerance
2019 RISK AREA 05	RED SPRING WHEAT	5604HR CL (BW 878)	Below	Minimum	Tolerance

MMPP - Variety Yield Data Browser

Year	Risk Area / R.M.	Crop	Variety	Farms	Acres	Yield/acre(Metric)	Yield/acre(Metric)	Yield/acre(Imperial)	Yield/acre(Imperial)
2017	RISK AREA 05	ARGENTINE CANOLA	L156H (INVIGOR HEALTH) (LT)	4	1215	1.331 Tonnes	Tonnes	58.7 Bushels	Bushels
2013	RISK AREA 05	ARGENTINE CANOLA	46H75 (PIONEER) (ST)	4	1010	1.276 Tonnes	Tonnes	56.3 Bushels	Bushels
2018	RISK AREA 05	ARGENTINE CANOLA	2020 CL (NEXERA) (ST)	3	707	1.250 Tonnes	Tonnes	55.1 Bushels	Bushels
2017	RISK AREA 05	ARGENTINE CANOLA	L233P (BASF)  5CN0130  (LT){PSR-R}	128	30114	1.217 Tonnes	Tonnes	53.7 Bushels	Bushels
2013	RISK AREA 05	ARGENTINE CANOLA	L154 (INVIGOR) (LT)	30	7991	1.196 Tonnes	Tonnes	52.7 Bushels	Bushels
2018	RISK AREA 05	ARGENTINE CANOLA	L255PC (INVIGOR)  6CN0122  (LT) {PSR-R}	71	15012	1.187 Tonnes	Tonnes	52.4 Bushels	Bushels
2014	RISK AREA 05	ARGENTINE CANOLA	L154 (INVIGOR) (LT)	16	3983	1.180 Tonnes	Tonnes	52.0 Bushels	Bushels
2015	RISK AREA 05	ARGENTINE CANOLA	L160S (INVIGOR) (LT)	7	810	1.176 Tonnes	Tonnes	51.8 Bushels	Bushels
2009	RISK AREA 05	ARGENTINE CANOLA	8440 (INVIGOR)  PHS04-781  (LT)	146	46135	1.172 Tonnes	Tonnes	51.7 Bushels	Bushels
2017	RISK AREA 05	ARGENTINE CANOLA	L157H (INVIGOR HEALTH) (LT)	14	3291	1.173 Tonnes	Tonnes	51.7 Bushels	Bushels
2017	RISK AREA 05	ARGENTINE CANOLA	L140P (INVIGOR) (LT){PSR-R}	187	50478	1.164 Tonnes	Tonnes	51.3 Bushels	Bushels
2013	RISK AREA 05	ARGENTINE CANOLA	5440 (INVIGOR)  PHS04-690  (LT)	138	40048.3	1.152 Tonnes	Tonnes	50.8 Bushels	Bushels
2013	RISK AREA 05	ARGENTINE CANOLA	L156H (INVIGOR HEALTH) (LT)	35	7770	1.149 Tonnes	Tonnes	50.7 Bushels	Bushels
2018	RISK AREA 05	ARGENTINE CANOLA	L157H (INVIGOR HEALTH) (LT)	12	2082	1.151 Tonnes	Tonnes	50.7 Bushels	Bushels
2018	RISK AREA 05	ARGENTINE CANOLA	46H75 (PIONEER) (ST)	14	4576	1.147 Tonnes	Tonnes	50.6 Bushels	Bushels
2013	RISK AREA 05	ARGENTINE CANOLA	1145 (INVIGOR HEALTH) (LT)	6	1480	1.145 Tonnes	Tonnes	50.5 Bushels	Bushels
2018	RISK AREA 05	ARGENTINE CANOLA	L233P (BASF)  5CN0130  (LT){PSR-R}	366	126854	1.142 Tonnes	Tonnes	50.4 Bushels	Bushels
2015	RISK AREA 05	ARGENTINE CANOLA	L140P (INVIGOR) (LT){PSR-R}	92	23146	1.141 Tonnes	Tonnes	50.3 Bushels	Bushels
2009	RISK AREA 05	ARGENTINE CANOLA	5440 (INVIGOR)  PHS04-690  (LT)	235	65678.5	1.133 Tonnes	Tonnes	50.0 Bushels	Bushels
2013	RISK AREA 05	ARGENTINE CANOLA	6060 RR (BRETT YOUNG) (RT)	31	6090	1.135 Tonnes	Tonnes	50.0 Bushels	Bushels
2014	RISK AREA 05	ARGENTINE CANOLA	L156H (INVIGOR HEALTH) (LT)	40	12861	1.135 Tonnes	Tonnes	50.0 Bushels	Bushels
2018	RISK AREA 05	ARGENTINE CANOLA	L140P (INVIGOR) (LT){PSR-R}	52	13395	1.134 Tonnes	Tonnes	50.0 Bushels	Bushels
2018	RISK AREA 05	ARGENTINE CANOLA	4157 RR (BRETTYOUNG) (RT)	12	2671	1.132 Tonnes	Tonnes	49.9 Bushels	Bushels
2013	RISK AREA 05	ARGENTINE CANOLA	L130 (INVIGOR) (LT)	193	66363	1.131 Tonnes	Tonnes	49.8 Bushels	Bushels
2010	RISK AREA 05	ARGENTINE CANOLA	D3150 (DUPONT) (RT)	5	1364	1.128 Tonnes	Tonnes	49.7 Bushels	Bushels
2014	RISK AREA 05	ARGENTINE CANOLA	L252 (INVIGOR) (LT)	150	38740	1.128 Tonnes	Tonnes	49.7 Bushels	Bushels
2015	RISK AREA 05	ARGENTINE CANOLA	6056 CR (BRETT YOUNG) (RT)	12	3092	1.127 Tonnes	Tonnes	49.7 Bushels	Bushels
2018	RISK AREA 05	ARGENTINE CANOLA	2026 CL (NEXERA) (ST)	14	3368	1.125 Tonnes	Tonnes	49.6 Bushels	Bushels
2018	RISK AREA 05	ARGENTINE CANOLA	L241C (INVIGOR) (LT)	3	795	1.123 Tonnes	Tonnes	49.5 Bushels	Bushels
2009	RISK AREA 05	ARGENTINE CANOLA	5030 (INVIGOR)  RHY01-403  (LT)	106	28325	1.121 Tonnes	Tonnes	49.4 Bushels	Bushels
2010	RISK AREA 05	ARGENTINE CANOLA	8440 (INVIGOR)  PHS04-781  (LT)	156	50074	1.119 Tonnes	Tonnes	49.3 Bushels	Bushels
2018	RISK AREA 05	ARGENTINE CANOLA	4187 RR (BRETTYOUNG) (RT)	6	1623	1.117 Tonnes	Tonnes	49.3 Bushels	Bushels
2015	RISK AREA 05	ARGENTINE CANOLA	5Y4135 (SYNGENTA) (RT)	17	3226	1.115 Tonnes	Tonnes	49.2 Bushels	Bushels
2017	RISK AREA 05	ARGENTINE CANOLA	L252 (INVIGOR) (LT)	281	90842.4	1.116 Tonnes	Tonnes	49.2 Bushels	Bushels
2018	RISK AREA 05	ARGENTINE CANOLA	46H76 (PIONEER) (CL)	3	1222	1.117 Tonnes	Tonnes	49.2 Bushels	Bushels
2015	RISK AREA 05	ARGENTINE CANOLA	L135C (INVIGOR) (LT)	4	1062	1.115 Tonnes	Tonnes	49.1 Bushels	Bushels
2017	RISK AREA 05	ARGENTINE CANOLA	2020 CL (NEXERA) (ST)	11	2708	1.115 Tonnes	Tonnes	49.1 Bushels	Bushels
2013	RISK AREA 05	ARGENTINE CANOLA	L120 (INVIGOR) (LT)	79	17106	1.110 Tonnes	Tonnes	49.0 Bushels	Bushels
2017	RISK AREA 05	ARGENTINE CANOLA	6074 RR (BRETT YOUNG) (RT){PSR-U}	19	4713	1.111 Tonnes	Tonnes	49.0 Bushels	Bushels
2013	RISK AREA 05	ARGENTINE CANOLA	1970 (CANTERRA) (RT)	15	3643	1.110 Tonnes	Tonnes	48.9 Bushels	Bushels
2019	RISK AREA 05	ARGENTINE CANOLA	P501L (PIONEER) (LT)	52	8465	1.108 Tonnes	Tonnes	48.9 Bushels	Bushels
2013	RISK AREA 05	ARGENTINE CANOLA	D3153 (DUPONT) (RT)	6	1167.1	1.104 Tonnes	Tonnes	48.7 Bushels	Bushels
2013	RISK AREA 05	ARGENTINE CANOLA	74-44 BL (DEKALB) (RT)	7	1686	1.104 Tonnes	Tonnes	48.7 Bushels	Bushels
2014	RISK AREA 05	ARGENTINE CANOLA	L140P (INVIGOR) (LT){PSR-R}	29	4474	1.105 Tonnes	Tonnes	48.7 Bushels	Bushels
2015	RISK AREA 05	ARGENTINE CANOLA	L120 (INVIGOR) (LT)	30	5706	1.104 Tonnes	Tonnes	48.7 Bushels	Bushels
2015	RISK AREA 05	ARGENTINE CANOLA	L156H (INVIGOR HEALTH) (LT)	21	5919	1.104 Tonnes	Tonnes	48.7 Bushels	Bushels
2019	RISK AREA 05	ARGENTINE CANOLA	L255PC (INVIGOR)  6CN0122  (LT) {PSR-R}	206	67533	1.101 Tonnes	Tonnes	48.6 Bushels	Bushels
2013	RISK AREA 05	ARGENTINE CANOLA	75-45 RR (DEKALB) (RT)	8	1232	1.100 Tonnes	Tonnes	48.5 Bushels	Bushels
2009	RISK AREA 05	ARGENTINE CANOLA	5020 (INVIGOR)  RHY01/597  (LT)	132	30412	1.095 Tonnes	Tonnes	48.3 Bushels	Bushels
2017	RISK AREA 05	ARGENTINE CANOLA	46H75 (PIONEER) (ST)	26	7896	1.096 Tonnes	Tonnes	48.3 Bushels	Bushels
2019	RISK AREA 05	ARGENTINE CANOLA	L157H (INVIGOR HEALTH) (LT)	5	1070	1.096 Tonnes	Tonnes	48.3 Bushels	Bushels
2009	RISK AREA 05	ARGENTINE CANOLA	45551 (PIONEER) (RT)	32	3930.5	1.093 Tonnes	Tonnes	48.2 Bushels	Bushels
2013	RISK AREA 05	ARGENTINE CANOLA	45H29 (PIONEER) (RT)	60	14790	1.091 Tonnes	Tonnes	48.1 Bushels	Bushels
2017	RISK AREA 05	ARGENTINE CANOLA	V14-1 (CARGILL)  14H1222	6	858	1.091 Tonnes	Tonnes	48.1 Bushels	Bushels
2018	RISK AREA 05	ARGENTINE CANOLA	L252 (INVIGOR) (LT)	164	49033	1.088 Tonnes	Tonnes	48.0 Bushels	Bushels
2009	RISK AREA 05	ARGENTINE CANOLA	45H26 (PIONEER)  03N230R  (RT)	88	19740	1.086 Tonnes	Tonnes	47.9 Bushels	Bushels
2015	RISK AREA 05	ARGENTINE CANOLA	1990 (CANTERRA) (RT)	40	8723	1.087 Tonnes	Tonnes	47.9 Bushels	Bushels
2010	RISK AREA 05	ARGENTINE CANOLA	1145 (INVIGOR HEALTH) (LT)	19	5868	1.084 Tonnes	Tonnes	47.8 Bushels	Bushels
2010	RISK AREA 05	ARGENTINE CANOLA	45H29 (PIONEER) (RT)	37	5639	1.085 Tonnes	Tonnes	47.8 Bushels	Bushels
2013	RISK AREA 05	ARGENTINE CANOLA	45554 (PIONEER) (RT)	15	2671	1.084 Tonnes	Tonnes	47.8 Bushels	Bushels
2019	RISK AREA 05	ARGENTINE CANOLA	L234PC (INVIGOR) (LT){PSR-R}	77	18849.5	1.084 Tonnes	Tonnes	47.8 Bushels	Bushels
2014	RISK AREA 05	ARGENTINE CANOLA	74-44 BL (DEKALB) (RT)	14	2054	1.081 Tonnes	Tonnes	47.7 Bushels	Bushels
2015	RISK AREA 05	ARGENTINE CANOLA	CS2000 (CANTERRA) (RT)	12	1641	1.081 Tonnes	Tonnes	47.7 Bushels	Bushels
2010	RISK AREA 05	ARGENTINE CANOLA	NX4-2106 RR (NEXERA)  G31064  (RT)	3	553	1.080 Tonnes	Tonnes	47.6 Bushels	Bushels
2013	RISK AREA 05	ARGENTINE CANOLA	L150 (INVIGOR) (LT)	37	9607	1.079 Tonnes	Tonnes	47.6 Bushels	Bushels
2013	RISK AREA 05	ARGENTINE CANOLA	45H31 (PIONEER) (RT)	14	1716	1.079 Tonnes	Tonnes	47.6 Bushels	Bushels
2015	RISK AREA 05	ARGENTINE CANOLA	L252 (INVIGOR) (LT)	337	112597.3	1.080 Tonnes	Tonnes	47.6 Bushels	Bushels
2013	RISK AREA 05	ARGENTINE CANOLA	74-44 BL (DEKALB) (RT)	24	3457	1.077 Tonnes	Tonnes	47.5 Bushels	Bushels
2009	RISK AREA 05	ARGENTINE CANOLA	17685 (AGRIPROGRESS)  30326-A5  (RT)	3	522	1.075 Tonnes	Tonnes	47.4 Bushels	Bushels
2010	RISK AREA 05	ARGENTINE CANOLA	5770 (INVIGOR) (LT)	167	44194	1.073 Tonnes	Tonnes	47.3 Bushels	Bushels
2017	RISK AREA 05	ARGENTINE CANOLA	4157 RR (BRETTYOUNG) (RT)	17	4163	1.069 Tonnes	Tonnes	47.2 Bushels	Bushels
2009	RISK AREA 05	ARGENTINE CANOLA	VICTORY V2018 (RT)	3	540	1.067 Tonnes	Tonnes	47.1 Bushels	Bushels
2009	RISK AREA 05	ARGENTINE CANOLA	45H73 (PIONEER)  04N2051  (ST)	4	518	1.069 Tonnes	Tonnes	47.1 Bushels	Bushels
2014	RISK AREA 05	ARGENTINE CANOLA	L159 (INVIGOR) (LT)	25	5423	1.067 Tonnes	Tonnes	47.1 Bushels	Bushels
2010	RISK AREA 05	ARGENTINE CANOLA	45H21 (PIONEER) (RT)	7	1046	1.065 Tonnes	Tonnes	47.0 Bushels	Bushels
2013	RISK AREA 05	ARGENTINE CANOLA	73-75 RR (DEKALB) (RT)	161	38766	1.065 Tonnes	Tonnes	47.0 Bushels	Bushels
2018	RISK AREA 05	ARGENTINE CANOLA	45CM36 (PIONEER) (RT)	16	2333	1.066 Tonnes	Tonnes	47.0 Bushels	Bushels
2014	RISK AREA 05	ARGENTINE CANOLA	L261 (INVIGOR) (LT)	45	9721	1.064 Tonnes	Tonnes	46.9 Bushels	Bushels
2009	RISK AREA 05	ARGENTINE CANOLA	72-65 RR (DEKALB) (RT)	17	1871	1.062 Tonnes	Tonnes	46.8 Bushels	Bushels
2015	RISK AREA 05	ARGENTINE CANOLA	4157 RR (BRETTYOUNG) (RT)	18	2553	1.063 Tonnes	Tonnes	46.8 Bushels	Bushels
2015	RISK AREA 05	ARGENTINE CANOLA	6060 RR (BRETT YOUNG) (RT)	8	1928	1.060 Tonnes	Tonnes	46.8 Bushels	Bushels
2015	RISK AREA 05	ARGENTINE CANOLA	75-65 RR (DEKALB) (RT){PSR-T}	8	1111	1.061 Tonnes	Tonnes	46.8 Bushels	Bushels
2009	RISK AREA 05	ARGENTINE CANOLA	9590 (INVIGOR) (LT)	48	10947	1.059 Tonnes	Tonnes	46.7 Bushels	Bushels
2013	RISK AREA 05	ARGENTINE CANOLA	1990 (CANTERRA) (RT)	38	7315	1.060 Tonnes	Tonnes	46.7 Bushels	Bushels
2019	RISK AREA 05	ARGENTINE CANOLA	46H75 (PIONEER) (ST)	6	3429	1.060 Tonnes	Tonnes	46.7 Bushels	Bushels
2018	RISK AREA 05	ARGENTINE CANOLA	45H75 CL (PIONEER) (ST)	5	629	1.056 Tonnes	Tonnes	46.6 Bushels	Bushels
2019	RISK AREA 05	ARGENTINE CANOLA	L140P (INVIGOR) (LT){PSR-R}	7	935	1.057 Tonnes	Tonnes	46.6 Bushels	Bushels
2009	RISK AREA 05	ARGENTINE CANOLA	NX4-101 RR (NEXERA)  NEX G2X0022  (RT)	37	6731	1.055 Tonnes	Tonnes	46.5 Bushels	Bushels
2017	RISK AREA 05	ARGENTINE CANOLA	L230 (BAYER)  5CN0125   LT	69	14041	1.054 Tonnes	Tonnes	46.5 Bushels	Bushels
2018	RISK AREA 05	ARGENTINE CANOLA	2024 CL (DOW,NEXERA)  CL3701975H  (ST){P	15	4652	1.054 Tonnes	Tonnes	46.5 Bushels	Bushels
2017	RISK AREA 05	ARGENTINE CANOLA	L241C (INVIGOR) (LT)	15	3881	1.052 Tonnes	Tonnes	46.4 Bushels	Bushels
2009	RISK AREA 05	ARGENTINE CANOLA	1818 (CANTERRA)  PR6382  (RT)	8	984	1.047 Tonnes	Tonnes	46.2 Bushels	Bushels
2018	RISK AREA 05	ARGENTINE CANOLA	75-42 CR (DEKALB) (RT)	6	737	1.048 Tonnes	Tonnes	46.2 Bushels	Bushels
2009	RISK AREA 05	ARGENTINE CANOLA	45H28 (PIONEER) (RT)	39	7177	1.045 Tonnes	Tonnes	46.1 Bushels	Bushels
2010	RISK AREA 05	ARGENTINE CANOLA	5440 (INVIGOR)  PHS04-690  (LT)	227	69577.6	1.046 Tonnes	Tonnes	46.1 Bushels	Bushels
2014	RISK AREA 05	ARGENTINE CANOLA	1970 (CANTERRA) (RT)	6	1363	1.045 Tonnes	Tonnes	46.1 Bushels	Bushels
2018	RISK AREA 05	ARGENTINE CANOLA	5545CL (BRETTYOUNG)  14DL30122  (ST){PSR-	4	597	1.044 Tonnes	Tonnes	46.0 Bushels	Bushels
2013	RISK AREA 05	ARGENTINE CANOLA	73-65 RR (DEKALB)  99575  (RT)	5	808	1.042 Tonnes	Tonnes	45.9 Bushels	Bushels
2014	RISK AREA 05	ARGENTINE CANOLA	74-44 BL (DEKALB) (RT)	34	7276	1.041 Tonnes	Tonnes	45.9 Bushels	Bushels
2014	RISK AREA 05	ARGENTINE CANOLA	74-54 RR (DEKALB) (RT)	42	8033	1.041 Tonnes	Tonnes	45.9 Bushels	Bushels
2017	RISK AREA 05	ARGENTINE CANOLA	45H33 (PIONEER) (RT)	11	2003	1.042 Tonnes	Tonnes	45.9 Bushels	Bushels
2015	RISK AREA 05	ARGENTINE CANOLA	L261 (INVIGOR) (LT)	18	3558	1.038 Tonnes	Tonnes	45.8 Bushels	Bushels
2014	RISK AREA 05	ARGENTINE CANOLA	VR 9560 CL (PROVEN) (ST)	17	4242	1.036 Tonnes	Tonnes	45.7 Bushels	Bushels
2014	RISK AREA 05	ARGENTINE CANOLA	5440 (INVIGOR)  PHS04-690  (LT)	135	41520	1.036 Tonnes	Tonnes	45.7 Bushels	Bushels
2019	RISK AREA 05	ARGENTINE CANOLA	5545CL (BRETTYOUNG)  14DL30122  (ST){PSR-	5	1109	1.037 Tonnes	Tonnes	45.7 Bushels	Bushels
2014	RISK AREA 05	ARGENTINE CANOLA	1990 (CANTERRA) (RT)	58	12176	1.033 Tonnes	Tonnes	45.6 Bushels	Bushels
2015	RISK AREA 05	ARGENTINE CANOLA	74-44 BL (DEKALB) (RT)	147	35582	1.035 Tonnes	Tonnes	45.6 Bushels	Bushels
2017	RISK AREA 05	ARGENTINE CANOLA	CS2100 (CANTERRA SEEDS) (RT){PSR-T}	24	4642.1	1.033 Tonnes	Tonnes	45.6 Bushels	Bushels
2017	RISK AREA 05	ARGENTINE CANOLA	2024 CL (DOW,NEXERA)  CL3701975H  (ST){P	28	5087	1.033 Tonnes	Tonnes	45.6 Bushels	Bushels
2009	RISK AREA 05	ARGENTINE CANOLA	1841 (AGRIPROGRESS) (RT)	13	2493	1.032 Tonnes	Tonnes	45.5 Bushels	Bushels
2014	RISK AREA 05	ARGENTINE CANOLA	L150 (INVIGOR) (LT)	4	746	1.032 Tonnes	Tonnes	45.5 Bushels	Bushels
2014	RISK AREA 05	ARGENTINE CANOLA	L130 (INVIGOR) (LT)	174	55153	1.029 Tonnes	Tonnes	45.4 Bushels	Bushels
2015	RISK AREA 05	ARGENTINE CANOLA	L130 (INVIGOR) (LT)	78	18752	1.027 Tonnes	Tonnes	45.3 Bushels	Bushels
2015	RISK AREA 05	ARGENTINE CANOLA	46H75 (PIONEER) (ST)	29	9722	1.028 Tonnes	Tonnes	45.3 Bushels	Bushels

2009 RISK AREA 05	ARGENTINE CANOLA	72-55 RR (DEKALB) (RT)	75	13352	1.024	Tonnes	45.2	Bushels	Bushels
2014 RISK AREA 05	ARGENTINE CANOLA	L120 (INVIGOR) (LT)	40	8953	1.025	Tonnes	45.2	Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	1140 (INVIGOR HEALTH) (LT)	6	745	1.024	Tonnes	45.2	Bushels	Bushels
2018 RISK AREA 05	ARGENTINE CANOLA	L230 (BAYER) SCN0125 (LT)	41	9481	1.025	Tonnes	45.2	Bushels	Bushels
2014 RISK AREA 05	ARGENTINE CANOLA	SY4135 (SYNGENTA) (RT)	20	2769	1.022	Tonnes	45.1	Bushels	Bushels
2015 RISK AREA 05	ARGENTINE CANOLA	2020 CL (NEXERA) (ST)	15	4759	1.022	Tonnes	45.1	Bushels	Bushels
2017 RISK AREA 05	ARGENTINE CANOLA	2022CL (NEXERA) (ST){PSR-T}	33	8800	1.023	Tonnes	45.1	Bushels	Bushels
2015 RISK AREA 05	ARGENTINE CANOLA	45H31 (PIONEER) (RT)	32	5106	1.021	Tonnes	45.0	Bushels	Bushels
2009 RISK AREA 05	ARGENTINE CANOLA	71-45RR (MONSANTO)  Z2409  (RT)	101	24001.3	1.018	Tonnes	44.9	Bushels	Bushels
2010 RISK AREA 05	ARGENTINE CANOLA	5020 (INVIGOR)  RHY01/597  (LT)	64	13615	1.018	Tonnes	44.9	Bushels	Bushels
2010 RISK AREA 05	ARGENTINE CANOLA	5030 (INVIGOR)  RHY01-403  (LT)	51	14171.9	1.018	Tonnes	44.9	Bushels	Bushels
2015 RISK AREA 05	ARGENTINE CANOLA	45H33 (PIONEER) (RT)	36	7374	1.019	Tonnes	44.9	Bushels	Bushels
2019 RISK AREA 05	ARGENTINE CANOLA	L230 (BAYER) SCN0125 (LT)	7	947	1.018	Tonnes	44.9	Bushels	Bushels
2019 RISK AREA 05	ARGENTINE CANOLA	4187 RR (BRETTYOUNG) (RT)	7	1408	1.017	Tonnes	44.8	Bushels	Bushels
2013 RISK AREA 05	ARGENTINE CANOLA	L159 (INVIGOR) (LT)	66	18667	1.011	Tonnes	44.6	Bushels	Bushels
2009 RISK AREA 05	ARGENTINE CANOLA	5070 (INVIGOR)  RHY01-1997  (LT)	8	1304	1.010	Tonnes	44.5	Bushels	Bushels
2014 RISK AREA 05	ARGENTINE CANOLA	46H75 (PIONEER) (ST)	18	5725	1.010	Tonnes	44.5	Bushels	Bushels
2013 RISK AREA 05	ARGENTINE CANOLA	VR 9559 G (PROVEN) (RT)	19	3522	1.007	Tonnes	44.4	Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	CS2100 (CANTERRA SEEDS) (RT){PSR-T}	6	748	1.007	Tonnes	44.4	Bushels	Bushels
2009 RISK AREA 05	ARGENTINE CANOLA	NX4 105 RR (NEXERA)  NEX G2X0039  (RT)	16	3285	1.004	Tonnes	44.3	Bushels	Bushels
2013 RISK AREA 05	ARGENTINE CANOLA	1016 RR (NEXERA) (RT)	3	602	1.004	Tonnes	44.3	Bushels	Bushels
2013 RISK AREA 05	ARGENTINE CANOLA	73-45 RR (DEKALB) (RT)	46	6710	1.004	Tonnes	44.3	Bushels	Bushels
2014 RISK AREA 05	ARGENTINE CANOLA	45H75 CL (PIONEER) (ST)	10	2112	1.004	Tonnes	44.3	Bushels	Bushels
2014 RISK AREA 05	ARGENTINE CANOLA	6060 RR (BRETT YOUNG) (RT)	41	9712.1	1.006	Tonnes	44.3	Bushels	Bushels
2017 RISK AREA 05	ARGENTINE CANOLA	74-44 BL (DEKALB) (RT)	97	22529	1.004	Tonnes	44.3	Bushels	Bushels
2010 RISK AREA 05	ARGENTINE CANOLA	9590 (INVIGOR) (LT)	50	14294	1.003	Tonnes	44.2	Bushels	Bushels
2009 RISK AREA 05	ARGENTINE CANOLA	D3150 (DUPONT) (RT)	18	2034	1.000	Tonnes	44.1	Bushels	Bushels
2015 RISK AREA 05	ARGENTINE CANOLA	1970 (CANTERRA) (RT)	3	671	1.001	Tonnes	44.1	Bushels	Bushels
2018 RISK AREA 05	ARGENTINE CANOLA	74-44 BL (DEKALB) (RT)	54	12840	1.001	Tonnes	44.1	Bushels	Bushels
2019 RISK AREA 05	ARGENTINE CANOLA	L233P (BASF)  SCN0130  (LT){PSR-R}	341	118102.5	1.000	Tonnes	44.1	Bushels	Bushels
2010 RISK AREA 05	ARGENTINE CANOLA	45H26 (PIONEER)  03N230R  (RT)	57	11215	0.998	Tonnes	44.0	Bushels	Bushels
2017 RISK AREA 05	ARGENTINE CANOLA	45CS40 (PIONEER) (RT)	5	543	0.999	Tonnes	44.0	Bushels	Bushels
2013 RISK AREA 05	ARGENTINE CANOLA	V2045 (VICTORY) (RT)	58	15352	0.995	Tonnes	43.9	Bushels	Bushels
2015 RISK AREA 05	ARGENTINE CANOLA	V12-1 (VICTORY) (RT)	4	2414	0.996	Tonnes	43.9	Bushels	Bushels
2013 RISK AREA 05	ARGENTINE CANOLA	1012 RR (NEXERA) (RT)	124	35981	0.992	Tonnes	43.8	Bushels	Bushels
2009 RISK AREA 05	ARGENTINE CANOLA	1144 (INVIGOR HEALTH) (LT)	20	4343	0.992	Tonnes	43.7	Bushels	Bushels
2009 RISK AREA 05	ARGENTINE CANOLA	46P50 (PIONEER)  03N322R  (RT)	28	5063	0.990	Tonnes	43.7	Bushels	Bushels
2010 RISK AREA 05	ARGENTINE CANOLA	45H28 (PIONEER) (RT)	40	10291	0.992	Tonnes	43.7	Bushels	Bushels
2017 RISK AREA 05	ARGENTINE CANOLA	1022 RR (NEXERA) (RT)	63	16588	0.991	Tonnes	43.7	Bushels	Bushels
2013 RISK AREA 05	ARGENTINE CANOLA	45S52 (PIONEER) (RT)	15	2396	0.990	Tonnes	43.6	Bushels	Bushels
2014 RISK AREA 05	ARGENTINE CANOLA	45H29 (PIONEER) (RT)	53	13443	0.988	Tonnes	43.6	Bushels	Bushels
2015 RISK AREA 05	ARGENTINE CANOLA	45H29 (PIONEER) (RT)	17	3472	0.983	Tonnes	43.4	Bushels	Bushels
2014 RISK AREA 05	ARGENTINE CANOLA	6044 RR (BRETT YOUNG) (RT)	6	908.1	0.982	Tonnes	43.3	Bushels	Bushels
2015 RISK AREA 05	ARGENTINE CANOLA	1020 RR (NEXERA) (RT)	10	2704	0.981	Tonnes	43.3	Bushels	Bushels
2017 RISK AREA 05	ARGENTINE CANOLA	L130 (INVIGOR) (LT)	7	1110	0.980	Tonnes	43.2	Bushels	Bushels
2019 RISK AREA 05	ARGENTINE CANOLA	L252 (INVIGOR) (LT)	51	11256	0.979	Tonnes	43.2	Bushels	Bushels
2010 RISK AREA 05	ARGENTINE CANOLA	45S51 (PIONEER) (RT)	45	7976	0.978	Tonnes	43.1	Bushels	Bushels
2010 RISK AREA 05	ARGENTINE CANOLA	73-55 RR (DEKALB) (RT)	6	767	0.977	Tonnes	43.1	Bushels	Bushels
2013 RISK AREA 05	ARGENTINE CANOLA	1918 (CANTERRA) (RT)	9	907	0.979	Tonnes	43.1	Bushels	Bushels
2015 RISK AREA 05	ARGENTINE CANOLA	74-54 RR (DEKALB) (RT)	29	5602	0.977	Tonnes	43.1	Bushels	Bushels
2017 RISK AREA 05	ARGENTINE CANOLA	PV 540 G (PROVEN) (RT){PSR-U}	32	6364	0.977	Tonnes	43.1	Bushels	Bushels
2009 RISK AREA 05	ARGENTINE CANOLA	V1037 (VICTORY) (RT)	8	1322	0.975	Tonnes	43.0	Bushels	Bushels
2017 RISK AREA 05	ARGENTINE CANOLA	CS2000 (CANTERRA) (RT)	4	878	0.975	Tonnes	43.0	Bushels	Bushels
2017 RISK AREA 05	ARGENTINE CANOLA	PV 200 CL (PROVEN) (ST)	7	1613	0.975	Tonnes	43.0	Bushels	Bushels
2018 RISK AREA 05	ARGENTINE CANOLA	6074 RR (BRETT YOUNG) (RT){PSR-U}	25	5506	0.975	Tonnes	43.0	Bushels	Bushels
2017 RISK AREA 05	ARGENTINE CANOLA	45M35 (PIONEER)  13N924R  (RT){PSR-T}	22	3551	0.973	Tonnes	42.9	Bushels	Bushels
2010 RISK AREA 05	ARGENTINE CANOLA	V1040 (VICTORY) (RT)	4	754	0.970	Tonnes	42.8	Bushels	Bushels
2018 RISK AREA 05	ARGENTINE CANOLA	45H33 (PIONEER) (RT)	6	1333	0.970	Tonnes	42.8	Bushels	Bushels
2015 RISK AREA 05	ARGENTINE CANOLA	VR 9562 GC (PROVEN) (RT)	7	835	0.968	Tonnes	42.7	Bushels	Bushels
2015 RISK AREA 05	ARGENTINE CANOLA	V22-1 (VICTORY) (RT)	10	1675	0.969	Tonnes	42.7	Bushels	Bushels
2015 RISK AREA 05	ARGENTINE CANOLA	45H75 CL (PIONEER) (ST)	15	2394	0.969	Tonnes	42.7	Bushels	Bushels
2010 RISK AREA 05	ARGENTINE CANOLA	1818 (CANTERRA)  PR6382  (RT)	8	1038	0.966	Tonnes	42.6	Bushels	Bushels
2014 RISK AREA 05	ARGENTINE CANOLA	45H31 (PIONEER) (RT)	22	3754	0.967	Tonnes	42.6	Bushels	Bushels
2017 RISK AREA 05	ARGENTINE CANOLA	75-65 RR (DEKALB) (RT){PSR-T}	59	14940	0.965	Tonnes	42.6	Bushels	Bushels
2013 RISK AREA 05	ARGENTINE CANOLA	72-65 RR (DEKALB) (RT)	13	2522	0.964	Tonnes	42.5	Bushels	Bushels
2014 RISK AREA 05	ARGENTINE CANOLA	73-45 RR (DEKALB) (RT)	18	3684	0.963	Tonnes	42.5	Bushels	Bushels
2009 RISK AREA 05	ARGENTINE CANOLA	45H21 (PIONEER) (RT)	9	1243	0.962	Tonnes	42.4	Bushels	Bushels
2010 RISK AREA 05	ARGENTINE CANOLA	1841 (AGRIPROGRESS) (RT)	7	1024	0.960	Tonnes	42.3	Bushels	Bushels
2013 RISK AREA 05	ARGENTINE CANOLA	VT 500 G (PROVEN)  9556  (RT)	85	17143	0.960	Tonnes	42.3	Bushels	Bushels
2013 RISK AREA 05	ARGENTINE CANOLA	2016 CL (NEXERA) (ST)	13	4065	0.960	Tonnes	42.3	Bushels	Bushels
2014 RISK AREA 05	ARGENTINE CANOLA	V2045 (VICTORY) (RT)	36	10224	0.960	Tonnes	42.3	Bushels	Bushels
2015 RISK AREA 05	ARGENTINE CANOLA	45S54 (PIONEER) (RT)	3	565	0.959	Tonnes	42.3	Bushels	Bushels
2017 RISK AREA 05	ARGENTINE CANOLA	V12-3 (VICTORY) (RT)	4	845	0.958	Tonnes	42.3	Bushels	Bushels
2009 RISK AREA 05	ARGENTINE CANOLA	NX4-202 CL (NEXERA)  DN051607  (ST)	10	2054	0.958	Tonnes	42.2	Bushels	Bushels
2014 RISK AREA 05	ARGENTINE CANOLA	72-65 RR (DEKALB) (RT)	7	1655	0.953	Tonnes	42.0	Bushels	Bushels
2017 RISK AREA 05	ARGENTINE CANOLA	45H29 (PIONEER) (RT)	4	1344	0.952	Tonnes	42.0	Bushels	Bushels
2018 RISK AREA 05	ARGENTINE CANOLA	1026 RR (NEXERA) (RT)	16	3211	0.952	Tonnes	42.0	Bushels	Bushels
2015 RISK AREA 05	ARGENTINE CANOLA	5440 (INVIGOR)  PHS04-690  (LT)	33	7397	0.950	Tonnes	41.9	Bushels	Bushels
2009 RISK AREA 05	ARGENTINE CANOLA	9553 (PROVEN) (RT)	60	10399	0.947	Tonnes	41.8	Bushels	Bushels
2017 RISK AREA 05	ARGENTINE CANOLA	PV 533 G (PROVEN) (RT)	8	1067	0.947	Tonnes	41.8	Bushels	Bushels
2017 RISK AREA 05	ARGENTINE CANOLA	1024 RR (BREVANT) (RT)	9	1807	0.949	Tonnes	41.8	Bushels	Bushels
2009 RISK AREA 05	ARGENTINE CANOLA	34-65 (MONSANTO) (RT)	36	5170	0.943	Tonnes	41.6	Bushels	Bushels
2010 RISK AREA 05	ARGENTINE CANOLA	6040 RR (BRETTYOUNG) (RT)	18	3703	0.943	Tonnes	41.6	Bushels	Bushels
2009 RISK AREA 05	ARGENTINE CANOLA	D3151 (DUPONT) (RT)	19	2633	0.941	Tonnes	41.5	Bushels	Bushels
2014 RISK AREA 05	ARGENTINE CANOLA	73-75 RR (DEKALB) (RT)	95	21333.1	0.941	Tonnes	41.5	Bushels	Bushels
2015 RISK AREA 05	ARGENTINE CANOLA	VR 9560 CL (PROVEN) (ST)	10	1635	0.941	Tonnes	41.5	Bushels	Bushels
2019 RISK AREA 05	ARGENTINE CANOLA	1028 RR (BREVANT) (RT)	21	3623	0.941	Tonnes	41.5	Bushels	Bushels
2015 RISK AREA 05	ARGENTINE CANOLA	PV 533 G (PROVEN) (RT)	4	1150	0.938	Tonnes	41.4	Bushels	Bushels
2019 RISK AREA 05	ARGENTINE CANOLA	PV 680 LC (PROVEN) (LT)	12	2125	0.939	Tonnes	41.4	Bushels	Bushels
2018 RISK AREA 05	ARGENTINE CANOLA	V22-1 (VICTORY) (RT)	8	1233	0.936	Tonnes	41.3	Bushels	Bushels
2010 RISK AREA 05	ARGENTINE CANOLA	72-65 RR (DEKALB) (RT)	126	31155	0.931	Tonnes	41.1	Bushels	Bushels
2014 RISK AREA 05	ARGENTINE CANOLA	L160S (INVIGOR) (LT)	6	582	0.933	Tonnes	41.1	Bushels	Bushels
2017 RISK AREA 05	ARGENTINE CANOLA	5440 (INVIGOR)  PHS04-690  (LT)	6	2262	0.933	Tonnes	41.1	Bushels	Bushels
2018 RISK AREA 05	ARGENTINE CANOLA	NO VAR	5	763	0.933	Tonnes	41.1	Bushels	Bushels
2015 RISK AREA 05	ARGENTINE CANOLA	L159 (INVIGOR) (LT)	18	4203	0.930	Tonnes	41.0	Bushels	Bushels
2013 RISK AREA 05	ARGENTINE CANOLA	VR 9560 CL (PROVEN) (ST)	28	7712	0.928	Tonnes	40.9	Bushels	Bushels
2015 RISK AREA 05	ARGENTINE CANOLA	45H76 (PIONEER) (ST)	7	1762	0.928	Tonnes	40.9	Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	L252 (INVIGOR) (LT)	343	116887.4	0.928	Tonnes	40.9	Bushels	Bushels
2018 RISK AREA 05	ARGENTINE CANOLA	45H76 (PIONEER) (ST)	5	1535	0.925	Tonnes	40.8	Bushels	Bushels
2009 RISK AREA 05	ARGENTINE CANOLA	V2030 (VICTORY) (RT)	21	5721	0.924	Tonnes	40.7	Bushels	Bushels
2010 RISK AREA 05	ARGENTINE CANOLA	45H73 (PIONEER)  04N2051  (ST)	5	653	0.922	Tonnes	40.7	Bushels	Bushels
2010 RISK AREA 05	ARGENTINE CANOLA	71-45RR (MONSANTO)  Z2409  (RT)	32	6202	0.918	Tonnes	40.5	Bushels	Bushels
2015 RISK AREA 05	ARGENTINE CANOLA	73-75 RR (DEKALB) (RT)	16	3355	0.918	Tonnes	40.5	Bushels	Bushels
2018 RISK AREA 05	ARGENTINE CANOLA	CS2300 (CANTERRA)  DL1512RR  (RT)	11	2587	0.918	Tonnes	40.5	Bushels	Bushels
2019 RISK AREA 05	ARGENTINE CANOLA	DKTF 94 CR (DEKALB) (RT)	8	2361	0.918	Tonnes	40.5	Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	L140P (INVIGOR) (LT){PSR-R}	155	51665	0.915	Tonnes	40.4	Bushels	Bushels
2018 RISK AREA 05	ARGENTINE CANOLA	1022 RR (NEXERA) (RT)	38	10599	0.916	Tonnes	40.4	Bushels	Bushels
2010 RISK AREA 05	ARGENTINE CANOLA	NX4 105 RR (NEXERA)  NEX G2X0039  (RT)	76	19780	0.913	Tonnes	40.3	Bushels	Bushels
2010 RISK AREA 05	ARGENTINE CANOLA	NO VAR	5	627	0.911	Tonnes	40.2	Bushels	Bushels
2018 RISK AREA 05	ARGENTINE CANOLA	PV 540 G (PROVEN) (RT){PSR-U}	39	10680	0.911	Tonnes	40.2	Bushels	Bushels
2015 RISK AREA 05	ARGENTINE CANOLA	PV 530 G (PROVEN) (RT)	27	5919	0.910	Tonnes	40.1	Bushels	Bushels
2019 RISK AREA 05	ARGENTINE CANOLA	6076 CR (BRETT YOUNG) (DL SEEDS) (RT)	5	936	0.910	Tonnes	40.1	Bushels	Bushels
2009 RISK AREA 05	ARGENTINE CANOLA	NEX 845CL (NEXERA)  DN040845  (ST)	27	5783	0.908	Tonnes	40.0	Bushels	Bushels
2015 RISK AREA 05	ARGENTINE CANOLA	2012 CL (NEXERA) (ST)	5	783	0.908	Tonnes	40.0	Bushels	Bushels
2009 RISK AREA 05	ARGENTINE CANOLA	9551 (PROVEN)  SW G5246RR  (RT)	4	579	0.905	Tonnes	39.9	Bushels	Bushels
2014 RISK AREA 05	ARGENTINE CANOLA	45S52 (PIONEER) (RT)	3	583	0.905	Tonnes	39.9	Bushels	Bushels

2013 RISK AREA 05	ARGENTINE CANOLA	2012 CL (NEXERA) (ST)	15	4600.6	0.903	Tonnes	39.8	Bushels	Bushels
2019 RISK AREA 05	ARGENTINE CANOLA	2026 CL (NEXERA) (ST)	15	4403	0.904	Tonnes	39.8	Bushels	Bushels
2015 RISK AREA 05	ARGENTINE CANOLA	73-45 RR (DEKALB) (RT)	11	1493	0.899	Tonnes	39.7	Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	6074 RR (BRETT YOUNG) (RT){PSR-U}	12	2083	0.901	Tonnes	39.7	Bushels	Bushels
2009 RISK AREA 05	ARGENTINE CANOLA	NX4-104 RR (NEXERA)  NEX G2X0044  (RT)	6	1061	0.895	Tonnes	39.4	Bushels	Bushels
2009 RISK AREA 05	ARGENTINE CANOLA	V1035 (VICTORY) (RT)	4	917	0.894	Tonnes	39.4	Bushels	Bushels
2017 RISK AREA 05	ARGENTINE CANOLA	75-45 RR (DEKALB) (RT)	18	3019	0.892	Tonnes	39.3	Bushels	Bushels
2013 RISK AREA 05	ARGENTINE CANOLA	1010 RR (VICTORY) (RT)	5	946	0.889	Tonnes	39.2	Bushels	Bushels
2018 RISK AREA 05	ARGENTINE CANOLA	CS2100 (CANTERRA SEEDS) (RT){PSR-T}	5	1122	0.890	Tonnes	39.2	Bushels	Bushels
2018 RISK AREA 05	ARGENTINE CANOLA	75-65 RR (DEKALB) (RT){PSR-T}	47	12660	0.890	Tonnes	39.2	Bushels	Bushels
2010 RISK AREA 05	ARGENTINE CANOLA	72-55 RR (DEKALB) (RT)	54	10216	0.886	Tonnes	39.1	Bushels	Bushels
2013 RISK AREA 05	ARGENTINE CANOLA	NO VAR	5	523	0.880	Tonnes	38.8	Bushels	Bushels
2014 RISK AREA 05	ARGENTINE CANOLA	PV 530 G (PROVEN) (RT)	24	4046	0.880	Tonnes	38.8	Bushels	Bushels
2010 RISK AREA 05	ARGENTINE CANOLA	46P50 (PIONEER)  03N322R  (RT)	29	4721	0.878	Tonnes	38.7	Bushels	Bushels
2015 RISK AREA 05	ARGENTINE CANOLA	L154 (INVIGOR) (LT)	9	2080	0.875	Tonnes	38.6	Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	75-45 RR (DEKALB) (RT)	26	5592.4	0.874	Tonnes	38.6	Bushels	Bushels
2018 RISK AREA 05	ARGENTINE CANOLA	75-45 RR (DEKALB) (RT)	11	2612	0.875	Tonnes	38.6	Bushels	Bushels
2014 RISK AREA 05	ARGENTINE CANOLA	1012 RR (NEXERA) (RT)	45	12207	0.873	Tonnes	38.5	Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	L130 (INVIGOR) (LT)	16	2984	0.873	Tonnes	38.5	Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	45H76 (PIONEER) (ST)	5	941	0.874	Tonnes	38.5	Bushels	Bushels
2014 RISK AREA 05	ARGENTINE CANOLA	VT 500 G (PROVEN)  9556  (RT)	45	9814	0.871	Tonnes	38.4	Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	45H29 (PIONEER) (RT)	6	769	0.866	Tonnes	38.2	Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	46H75 (PIONEER) (ST)	26	9973	0.867	Tonnes	38.2	Bushels	Bushels
2011 RISK AREA 05	ARGENTINE CANOLA	6060 RR (BRETT YOUNG) (RT)	17	2882	0.865	Tonnes	38.1	Bushels	Bushels
2015 RISK AREA 05	ARGENTINE CANOLA	D3153 (DUPONT) (RT)	5	1125	0.865	Tonnes	38.1	Bushels	Bushels
2019 RISK AREA 05	ARGENTINE CANOLA	45CM39 (PIONEER) (RT)	21	3824	0.864	Tonnes	38.1	Bushels	Bushels
2019 RISK AREA 05	ARGENTINE CANOLA	PV 540 G (PROVEN) (RT){PSR-U}	21	4180	0.857	Tonnes	37.8	Bushels	Bushels
2010 RISK AREA 05	ARGENTINE CANOLA	9553 (PROVEN) (RT)	62	11562.6	0.852	Tonnes	37.6	Bushels	Bushels
2018 RISK AREA 05	ARGENTINE CANOLA	45CS40 (PIONEER) (RT)	6	536	0.853	Tonnes	37.6	Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	46M34 (PIONEER)  12N0572R  (RT)	8	1218	0.848	Tonnes	37.4	Bushels	Bushels
2015 RISK AREA 05	ARGENTINE CANOLA	VT 500 G (PROVEN)  9556  (RT)	15	2885	0.847	Tonnes	37.3	Bushels	Bushels
2011 RISK AREA 05	ARGENTINE CANOLA	1970 (CANTERRA) (RT)	5	683	0.843	Tonnes	37.2	Bushels	Bushels
2014 RISK AREA 05	ARGENTINE CANOLA	2012 CL (NEXERA) (ST)	5	740	0.841	Tonnes	37.1	Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	L157H (INVIGOR HEALTH) (LT)	10	1594	0.839	Tonnes	37.0	Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	PV 540 G (PROVEN) (RT){PSR-U}	5	750	0.839	Tonnes	37.0	Bushels	Bushels
2009 RISK AREA 05	ARGENTINE CANOLA	43H57 (PIONEER)  03N047RT  (RT)	5	1187	0.836	Tonnes	36.9	Bushels	Bushels
2011 RISK AREA 05	ARGENTINE CANOLA	L150 (INVIGOR) (LT)	195	44440	0.838	Tonnes	36.9	Bushels	Bushels
2014 RISK AREA 05	ARGENTINE CANOLA	NO VAR	6	1570	0.837	Tonnes	36.9	Bushels	Bushels
2014 RISK AREA 05	ARGENTINE CANOLA	VR 9559 G (PROVEN) (RT)	5	606	0.836	Tonnes	36.9	Bushels	Bushels
2015 RISK AREA 05	ARGENTINE CANOLA	1012 RR (NEXERA) (RT)	22	5561	0.837	Tonnes	36.9	Bushels	Bushels
2018 RISK AREA 05	ARGENTINE CANOLA	PV 200 CL (PROVEN) (ST)	8	890	0.836	Tonnes	36.9	Bushels	Bushels
2018 RISK AREA 05	ARGENTINE CANOLA	45M38 (PIONEER) (RT)	4	522	0.838	Tonnes	36.9	Bushels	Bushels
2019 RISK AREA 05	ARGENTINE CANOLA	1022 RR (NEXERA) (RT)	25	7811	0.837	Tonnes	36.9	Bushels	Bushels
2019 RISK AREA 05	ARGENTINE CANOLA	74-44 BL (DEKALB) (RT)	25	4470	0.837	Tonnes	36.9	Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	L156H (INVIGOR HEALTH) (LT)	27	6656	0.833	Tonnes	36.7	Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	74-44 BL (DEKALB) (RT)	120	23993	0.833	Tonnes	36.7	Bushels	Bushels
2011 RISK AREA 05	ARGENTINE CANOLA	45H29 (PIONEER) (RT)	86	16197	0.825	Tonnes	36.4	Bushels	Bushels
2019 RISK AREA 05	ARGENTINE CANOLA	1026 RR (NEXERA) (RT)	26	4701	0.827	Tonnes	36.4	Bushels	Bushels
2019 RISK AREA 05	ARGENTINE CANOLA	2024 CL (DOW,NEXERA)  CL3701975H  (ST){P}	10	3366	0.826	Tonnes	36.4	Bushels	Bushels
2010 RISK AREA 05	ARGENTINE CANOLA	NX4-205 CL (NEXERA)  31613  (ST)	6	875	0.824	Tonnes	36.3	Bushels	Bushels
2014 RISK AREA 05	ARGENTINE CANOLA	D3153 (DUPONT) (RT)	6	1529	0.824	Tonnes	36.3	Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	1022 RR (NEXERA) (RT)	43	13183	0.824	Tonnes	36.3	Bushels	Bushels
2019 RISK AREA 05	ARGENTINE CANOLA	4157 RR (BRETTYOUNG) (RT)	11	2091	0.823	Tonnes	36.3	Bushels	Bushels
2010 RISK AREA 05	ARGENTINE CANOLA	D3151 (DUPONT) (RT)	6	1304	0.821	Tonnes	36.2	Bushels	Bushels
2011 RISK AREA 05	ARGENTINE CANOLA	5440 (INVIGOR)  PH504-690  (LT)	244	70507.6	0.822	Tonnes	36.2	Bushels	Bushels
2011 RISK AREA 05	ARGENTINE CANOLA	8440 (INVIGOR)  PH504-781  (LT)	80	21094.5	0.821	Tonnes	36.2	Bushels	Bushels
2014 RISK AREA 05	ARGENTINE CANOLA	1918 (CANTERRA) (RT)	8	1312	0.819	Tonnes	36.1	Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	74-54 RR (DEKALB) (RT)	8	1223	0.818	Tonnes	36.1	Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	45CS40 (PIONEER) (RT)	6	522	0.817	Tonnes	36.0	Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	SY4166 (SYNGENTA) (RT)	6	511	0.809	Tonnes	35.7	Bushels	Bushels
2011 RISK AREA 05	ARGENTINE CANOLA	73-65 RR (DEKALB)  99575  (RT)	43	8467	0.806	Tonnes	35.5	Bushels	Bushels
2010 RISK AREA 05	ARGENTINE CANOLA	34-65 (MONSANTO) (RT)	25	3681	0.803	Tonnes	35.4	Bushels	Bushels
2011 RISK AREA 05	ARGENTINE CANOLA	73-45 RR (DEKALB) (RT)	65	10421	0.802	Tonnes	35.4	Bushels	Bushels
2014 RISK AREA 05	ARGENTINE CANOLA	2016 CL (NEXERA) (ST)	6	1217.1	0.804	Tonnes	35.4	Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	2020 CL (NEXERA) (ST)	40	9601	0.799	Tonnes	35.2	Bushels	Bushels
2019 RISK AREA 05	ARGENTINE CANOLA	DKTF 92 SC (DEKALB) (RT)	18	4773	0.798	Tonnes	35.2	Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	PV 530 G (PROVEN) (RT)	11	2088	0.796	Tonnes	35.1	Bushels	Bushels
2011 RISK AREA 05	ARGENTINE CANOLA	45H26 (PIONEER)  03N230R  (RT)	10	1453	0.794	Tonnes	35.0	Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	SY4135 (SYNGENTA) (RT)	3	959	0.794	Tonnes	35.0	Bushels	Bushels
2011 RISK AREA 05	ARGENTINE CANOLA	L130 (INVIGOR) (LT)	99	19708	0.791	Tonnes	34.9	Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	V12-1 (VICTORY) (RT)	8	2052	0.793	Tonnes	34.9	Bushels	Bushels
2010 RISK AREA 05	ARGENTINE CANOLA	6020 RR (BRETTYOUNG) (RT)	4	671	0.790	Tonnes	34.8	Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	L261 (INVIGOR) (LT)	10	2617	0.787	Tonnes	34.7	Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	V22-1 (VICTORY) (RT)	10	2349.1	0.786	Tonnes	34.7	Bushels	Bushels
2019 RISK AREA 05	ARGENTINE CANOLA	2028 CL (BREVANT) (CT)	6	845	0.786	Tonnes	34.7	Bushels	Bushels
2013 RISK AREA 05	ARGENTINE CANOLA	NX4 105 RR (NEXERA)  NEX G2X0039  (RT)	3	1787	0.784	Tonnes	34.6	Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	4157 RR (BRETTYOUNG) (RT)	24	4948	0.785	Tonnes	34.6	Bushels	Bushels
2010 RISK AREA 05	ARGENTINE CANOLA	VT BARRIER (VITERRA)  9552  (RT)	4	764	0.781	Tonnes	34.5	Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	PV 533 G (PROVEN) (RT)	40	7359	0.783	Tonnes	34.5	Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	75-65 RR (DEKALB) (RT){PSR-T}	49	9990.6	0.781	Tonnes	34.5	Bushels	Bushels
2018 RISK AREA 05	ARGENTINE CANOLA	1024 RR (BREVANT) (RT)	10	1341	0.783	Tonnes	34.5	Bushels	Bushels
2010 RISK AREA 05	ARGENTINE CANOLA	5525 CL (BRETTYOUNG) (ST)	4	706	0.781	Tonnes	34.4	Bushels	Bushels
2011 RISK AREA 05	ARGENTINE CANOLA	1014 RR (NEXERA) (RT)	11	1378	0.779	Tonnes	34.3	Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	45H73 (PIONEER)  04N205  (ST)	3	809	0.777	Tonnes	34.3	Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	9590 (INVIGOR) (LT)	5	751	0.778	Tonnes	34.3	Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	L154 (INVIGOR) (LT)	29	5594	0.775	Tonnes	34.2	Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	8440 (INVIGOR)  PH504-781  (LT)	26	6641	0.775	Tonnes	34.2	Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	L120 (INVIGOR) (LT)	10	1657	0.775	Tonnes	34.2	Bushels	Bushels
2018 RISK AREA 05	ARGENTINE CANOLA	2022CL (NEXERA) (ST){PSR-T}	6	2132	0.771	Tonnes	34.0	Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	VT 500 G (PROVEN)  9556  (RT)	5	628	0.770	Tonnes	33.9	Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	2022CL (NEXERA) (ST){PSR-T}	23	5032	0.768	Tonnes	33.9	Bushels	Bushels
2011 RISK AREA 05	ARGENTINE CANOLA	5020 (INVIGOR)  RHY01/597  (LT)	22	4480	0.765	Tonnes	33.7	Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	2016 CL (NEXERA) (ST)	12	2786.1	0.765	Tonnes	33.7	Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	45551 (PIONEER) (RT)	10	1491	0.765	Tonnes	33.7	Bushels	Bushels
2011 RISK AREA 05	ARGENTINE CANOLA	NX4-2106 RR (NEXERA)  G31064  (RT)	8	1607	0.758	Tonnes	33.4	Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	9553 (PROVEN) (RT)	4	1336	0.759	Tonnes	33.4	Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	L241C (INVIGOR) (LT)	26	4308	0.755	Tonnes	33.3	Bushels	Bushels
2010 RISK AREA 05	ARGENTINE CANOLA	V2030 (VICTORY) (RT)	5	1197	0.754	Tonnes	33.2	Bushels	Bushels
2011 RISK AREA 05	ARGENTINE CANOLA	5770 (INVIGOR) (LT)	110	28038	0.752	Tonnes	33.2	Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	5440 (INVIGOR)  PH504-690  (LT)	11	3048	0.753	Tonnes	33.2	Bushels	Bushels
2010 RISK AREA 05	ARGENTINE CANOLA	V1037 (VICTORY) (RT)	11	3264	0.750	Tonnes	33.1	Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	45H33 (PIONEER) (RT)	42	7520	0.751	Tonnes	33.1	Bushels	Bushels
2010 RISK AREA 05	ARGENTINE CANOLA	73-45 RR (DEKALB) (RT)	5	500	0.748	Tonnes	33.0	Bushels	Bushels
2011 RISK AREA 05	ARGENTINE CANOLA	72-65 RR (DEKALB) (RT)	57	9974.2	0.749	Tonnes	33.0	Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	L130 (INVIGOR) (LT)	169	48378	0.749	Tonnes	33.0	Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	1145 (INVIGOR HEALTH) (LT)	6	823	0.747	Tonnes	33.0	Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	45H29 (PIONEER) (RT)	78	20004	0.746	Tonnes	32.9	Bushels	Bushels
2011 RISK AREA 05	ARGENTINE CANOLA	1012 RR (NEXERA) (RT)	21	6214	0.735	Tonnes	32.4	Bushels	Bushels
2011 RISK AREA 05	ARGENTINE CANOLA	73-55 RR (DEKALB) (RT)	28	5564	0.734	Tonnes	32.4	Bushels	Bushels
2011 RISK AREA 05	ARGENTINE CANOLA	45551 (PIONEER) (RT)	23	2974.5	0.733	Tonnes	32.3	Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	73-75 RR (DEKALB) (RT)	88	17493	0.730	Tonnes	32.2	Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	PV 200 CL (PROVEN) (ST)	11	2301	0.730	Tonnes	32.2	Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	73-75 RR (DEKALB) (RT)	9	2939	0.726	Tonnes	32.0	Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	1012 RR (NEXERA) (RT)	129	32524.8	0.721	Tonnes	31.8	Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	1970 (CANTERRA) (RT)	18	3138	0.722	Tonnes	31.8	Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	1014 RR (NEXERA) (RT)	16	4201	0.717	Tonnes	31.6	Bushels	Bushels

2016 RISK AREA 05	ARGENTINE CANOLA	CS2000 (CANTERRA) (RT)	31	7911 0.717 Tonnes	Tonnes	31.6 Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	L120 (INVIGOR) (LT)	31	5154 0.715 Tonnes	Tonnes	31.5 Bushels	Bushels
2011 RISK AREA 05	ARGENTINE CANOLA	45H73 (PIONEER)  04N205  (ST)	5	748 0.711 Tonnes	Tonnes	31.4 Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	L150 (INVIGOR) (LT)	217	62033.2 0.711 Tonnes	Tonnes	31.4 Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	45H31 (PIONEER) (RT)	7	1565 0.713 Tonnes	Tonnes	31.4 Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	NO VAR	8	982 0.709 Tonnes	Tonnes	31.3 Bushels	Bushels
2017 RISK AREA 05	ARGENTINE CANOLA	1012 RR (NEXERA) (RT)	4	685 0.710 Tonnes	Tonnes	31.3 Bushels	Bushels
2010 RISK AREA 05	ARGENTINE CANOLA	1950 (CANTERRA) (RT)	5	705 0.708 Tonnes	Tonnes	31.2 Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	5770 (INVIGOR) (LT)	56	17388 0.704 Tonnes	Tonnes	31.0 Bushels	Bushels
2011 RISK AREA 05	ARGENTINE CANOLA	1818 (CANTERRA)  PR6382  (RT)	6	831 0.701 Tonnes	Tonnes	30.9 Bushels	Bushels
2011 RISK AREA 05	ARGENTINE CANOLA	6040 RR (BRETTYOUNG) (RT)	13	1817 0.701 Tonnes	Tonnes	30.9 Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	73-55 RR (DEKALB) (RT)	13	2788 0.700 Tonnes	Tonnes	30.9 Bushels	Bushels
2011 RISK AREA 05	ARGENTINE CANOLA	5030 (INVIGOR)  RHY01-403  (LT)	31	8333 0.699 Tonnes	Tonnes	30.8 Bushels	Bushels
2011 RISK AREA 05	ARGENTINE CANOLA	45552 (PIONEER) (RT)	17	2710 0.695 Tonnes	Tonnes	30.7 Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	VT 500 G (PROVEN)  9556  (RT)	80	15121 0.696 Tonnes	Tonnes	30.7 Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	45H75 CL (PIONEER) (ST)	4	730 0.696 Tonnes	Tonnes	30.7 Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	45H31 (PIONEER) (RT)	19	2998 0.695 Tonnes	Tonnes	30.6 Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	5440 (INVIGOR)  PHS04-690  (LT)	156	50265 0.693 Tonnes	Tonnes	30.6 Bushels	Bushels
2019 RISK AREA 05	ARGENTINE CANOLA	45M35 (PIONEER)  13N924R  (RT){PSR-T}	4	1730 0.694 Tonnes	Tonnes	30.6 Bushels	Bushels
2010 RISK AREA 05	ARGENTINE CANOLA	VT REMARKABLE (VITERRA)  9555  (RT)	5	1040 0.691 Tonnes	Tonnes	30.5 Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	VR 9559 G (PROVEN) (RT)	16	2702 0.689 Tonnes	Tonnes	30.4 Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	1990 (CANTERRA) (RT)	11	2062 0.688 Tonnes	Tonnes	30.3 Bushels	Bushels
2019 RISK AREA 05	ARGENTINE CANOLA	PV 200 CL (PROVEN) (ST)	3	525 0.685 Tonnes	Tonnes	30.2 Bushels	Bushels
2011 RISK AREA 05	ARGENTINE CANOLA	NX4 105 RR (NEXERA)  NEX G2X0039  (RT)	41	10826 0.682 Tonnes	Tonnes	30.1 Bushels	Bushels
2019 RISK AREA 05	ARGENTINE CANOLA	75-65 RR (DEKALB) (RT){PSR-T}	33	8267 0.681 Tonnes	Tonnes	30.0 Bushels	Bushels
2011 RISK AREA 05	ARGENTINE CANOLA	9590 (INVIGOR) (LT)	26	5262 0.676 Tonnes	Tonnes	29.8 Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	L159 (INVIGOR) (LT)	15	2352 0.669 Tonnes	Tonnes	29.5 Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	46553 (PIONEER) (RT)	8	973 0.670 Tonnes	Tonnes	29.5 Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	5030 (INVIGOR)  RHY01-403  (LT)	16	3029 0.667 Tonnes	Tonnes	29.4 Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	73-45 RR (DEKALB) (RT)	57	11717 0.665 Tonnes	Tonnes	29.3 Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	VR 9560 CL (PROVEN) (ST)	11	1999 0.662 Tonnes	Tonnes	29.2 Bushels	Bushels
2019 RISK AREA 05	ARGENTINE CANOLA	NO VAR	6	648 0.660 Tonnes	Tonnes	29.1 Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	1020 RR (NEXERA) (RT)	3	939 0.656 Tonnes	Tonnes	28.9 Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	6060 RR (BRETT YOUNG) (RT)	24	5639 0.654 Tonnes	Tonnes	28.8 Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	D3153 (DUPONT) (RT)	7	1207 0.652 Tonnes	Tonnes	28.7 Bushels	Bushels
2011 RISK AREA 05	ARGENTINE CANOLA	V2035 (VICTORY)  07H730  (RT)	6	706 0.649 Tonnes	Tonnes	28.6 Bushels	Bushels
2011 RISK AREA 05	ARGENTINE CANOLA	1818 RR (CANTERRA) (RT)	4	733 0.649 Tonnes	Tonnes	28.6 Bushels	Bushels
2011 RISK AREA 05	ARGENTINE CANOLA	NX4-205 CL (NEXERA)  31613  (ST)	4	586 0.643 Tonnes	Tonnes	28.4 Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	NX4-101 RR (NEXERA)  NEX G2X0022  (RT)	3	1276 0.636 Tonnes	Tonnes	28.0 Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	1012 RR (NEXERA) (RT)	7	2040 0.634 Tonnes	Tonnes	27.9 Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	1818 (CANTERRA)  PR6382  (RT)	7	1077 0.628 Tonnes	Tonnes	27.7 Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	2012 CL (NEXERA) (ST)	30	8453.7 0.624 Tonnes	Tonnes	27.5 Bushels	Bushels
2011 RISK AREA 05	ARGENTINE CANOLA	46P50 (PIONEER)  03N322R  (RT)	14	5276 0.616 Tonnes	Tonnes	27.2 Bushels	Bushels
2011 RISK AREA 05	ARGENTINE CANOLA	VT 500 G (PROVEN)  9556  (RT)	29	4103 0.610 Tonnes	Tonnes	26.9 Bushels	Bushels
2011 RISK AREA 05	ARGENTINE CANOLA	2012 CL (NEXERA) (ST)	23	4720 0.611 Tonnes	Tonnes	26.9 Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	73-65 RR (DEKALB)  99575  (RT)	13	2473 0.609 Tonnes	Tonnes	26.9 Bushels	Bushels
2011 RISK AREA 05	ARGENTINE CANOLA	95575 (RT)	6	811 0.608 Tonnes	Tonnes	26.8 Bushels	Bushels
2019 RISK AREA 05	ARGENTINE CANOLA	CS2100 (CANTERRA SEEDS) (RT){PSR-T}	3	899 0.608 Tonnes	Tonnes	26.8 Bushels	Bushels
2011 RISK AREA 05	ARGENTINE CANOLA	34-65 (MONSANTO) (RT)	12	1883 0.601 Tonnes	Tonnes	26.5 Bushels	Bushels
2019 RISK AREA 05	ARGENTINE CANOLA	6074 RR (BRETT YOUNG) (RT){PSR-U}	9	1770 0.602 Tonnes	Tonnes	26.5 Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	V2035 (VICTORY)  07H730  (RT)	7	2913 0.597 Tonnes	Tonnes	26.3 Bushels	Bushels
2019 RISK AREA 05	ARGENTINE CANOLA	6090RR (BRETT YOUNG) (RT)	6	1025 0.593 Tonnes	Tonnes	26.2 Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	72-65 RR (DEKALB) (RT)	27	5460.1 0.590 Tonnes	Tonnes	26.0 Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	NX4 105 RR (NEXERA)  NEX G2X0039  (RT)	8	1756 0.587 Tonnes	Tonnes	25.9 Bushels	Bushels
2011 RISK AREA 05	ARGENTINE CANOLA	9553 (PROVEN) (RT)	28	4985 0.580 Tonnes	Tonnes	25.6 Bushels	Bushels
2019 RISK AREA 05	ARGENTINE CANOLA	1024 RR (BREVANT) (RT)	8	1291 0.579 Tonnes	Tonnes	25.5 Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	45552 (PIONEER) (RT)	22	5516 0.558 Tonnes	Tonnes	24.6 Bushels	Bushels
2011 RISK AREA 05	ARGENTINE CANOLA	NX4-101 RR (NEXERA)  NEX G2X0022  (RT)	4	817 0.554 Tonnes	Tonnes	24.4 Bushels	Bushels
2012 RISK AREA 05	ARGENTINE CANOLA	34-65 (MONSANTO) (RT)	4	827 0.554 Tonnes	Tonnes	24.4 Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	L159 (INVIGOR) (LT)	3	789 0.535 Tonnes	Tonnes	23.6 Bushels	Bushels
2019 RISK AREA 05	ARGENTINE CANOLA	1012 RR (NEXERA) (RT)	3	559 0.486 Tonnes	Tonnes	21.4 Bushels	Bushels
2019 RISK AREA 05	ARGENTINE CANOLA	CS2300 (CANTERRA)  DL1512RR  (RT)	5	1400 0.345 Tonnes	Tonnes	15.2 Bushels	Bushels
2016 RISK AREA 05	ARGENTINE CANOLA	1990 (CANTERRA) (RT)	4	710 0.232 Tonnes	Tonnes	10.2 Bushels	Bushels
2009 RISK AREA 05	ARGENTINE CANOLA	ARGENTINE	Below	Minimum Tolerance			
2009 RISK AREA 05	ARGENTINE CANOLA	DKL 34-55 (DEKALB) (RT)	Below	Minimum Tolerance			
2009 RISK AREA 05	ARGENTINE CANOLA	EXCEED (BAYER)  HCN 35  (LT)	Below	Minimum Tolerance			
2009 RISK AREA 05	ARGENTINE CANOLA	IMC 111RR (RT)	Below	Minimum Tolerance			
2009 RISK AREA 05	ARGENTINE CANOLA	LBD799RR (USA799RR) (RT)	Below	Minimum Tolerance			
2009 RISK AREA 05	ARGENTINE CANOLA	NEX 840CL (NEXERA)  DN040244  (ST)	Below	Minimum Tolerance			
2009 RISK AREA 05	ARGENTINE CANOLA	NO VAR	Below	Minimum Tolerance			
2009 RISK AREA 05	ARGENTINE CANOLA	NX4-2106 RR (NEXERA)  G31064  (RT)	Below	Minimum Tolerance			
2009 RISK AREA 05	ARGENTINE CANOLA	PRAIRIE 719RR (RT)	Below	Minimum Tolerance			
2009 RISK AREA 05	ARGENTINE CANOLA	RUGBY (AGRIPROGRESS)  30608-A5  (RT)	Below	Minimum Tolerance			
2009 RISK AREA 05	ARGENTINE CANOLA	SW 3950 (SW SEED) (RT)	Below	Minimum Tolerance			
2009 RISK AREA 05	ARGENTINE CANOLA	VICTORY V1031 (CNH1604R)(RT)	Below	Minimum Tolerance			
2009 RISK AREA 05	ARGENTINE CANOLA	VICTORY V1032 (CNH1501R)(RT)	Below	Minimum Tolerance			
2009 RISK AREA 05	ARGENTINE CANOLA	VT BARRIER (VITERRA)  9552  (RT)	Below	Minimum Tolerance			
2009 RISK AREA 05	ARGENTINE CANOLA	V1030 (VICTORY)  CNH1503R  (RT)	Below	Minimum Tolerance			
2009 RISK AREA 05	ARGENTINE CANOLA	XCEED 8570	Below	Minimum Tolerance			
2009 RISK AREA 05	ARGENTINE CANOLA	XCEED 8570 CL (ST)	Below	Minimum Tolerance			
2009 RISK AREA 05	ARGENTINE CANOLA	1759 S (SWH5278)(RT)	Below	Minimum Tolerance			
2009 RISK AREA 05	ARGENTINE CANOLA	1849 RR (MONSANTO)  PR6131  (RT)	Below	Minimum Tolerance			
2009 RISK AREA 05	ARGENTINE CANOLA	1852H (SW SEED) (RT)	Below	Minimum Tolerance			
2009 RISK AREA 05	ARGENTINE CANOLA	3235 (MONSANTO)  PR4406  (RT)	Below	Minimum Tolerance			
2009 RISK AREA 05	ARGENTINE CANOLA	3260 (MONSANTO)  X602, PR 3180	Below	Minimum Tolerance			
2009 RISK AREA 05	ARGENTINE CANOLA	35-85 (MONSANTO) (RT)	Below	Minimum Tolerance			
2009 RISK AREA 05	ARGENTINE CANOLA	43A56 (PIONEER)  NS4571  (RT)	Below	Minimum Tolerance			
2009 RISK AREA 05	ARGENTINE CANOLA	4414 RR (DL SEEDS) (RT)	Below	Minimum Tolerance			
2009 RISK AREA 05	ARGENTINE CANOLA	4434 RR (DL SEEDS) (RT)	Below	Minimum Tolerance			
2009 RISK AREA 05	ARGENTINE CANOLA	45A51 (PIONEER)  NS2335  (RT)	Below	Minimum Tolerance			
2009 RISK AREA 05	ARGENTINE CANOLA	45A55 (PIONEER)  NS3154  (RT)	Below	Minimum Tolerance			
2009 RISK AREA 05	ARGENTINE CANOLA	45A71 (PIONEER)  NS1471  (ST)	Below	Minimum Tolerance			
2009 RISK AREA 05	ARGENTINE CANOLA	45H24 (PIONEER) (RT)	Below	Minimum Tolerance			
2009 RISK AREA 05	ARGENTINE CANOLA	45P70 (PIONEER)  04N201L  (ST)	Below	Minimum Tolerance			
2009 RISK AREA 05	ARGENTINE CANOLA	46H70 (PIONEER) (ST)	Below	Minimum Tolerance			
2009 RISK AREA 05	ARGENTINE CANOLA	5525 CL (BRETTYOUNG) (ST)	Below	Minimum Tolerance			
2009 RISK AREA 05	ARGENTINE CANOLA	6040 RR (BRETTYOUNG) (RT)	Below	Minimum Tolerance			
2009 RISK AREA 05	ARGENTINE CANOLA	84501LL (LT)	Below	Minimum Tolerance			
2009 RISK AREA 05	ARGENTINE CANOLA	9550 (MONSANTO)  PR6336  (RT)	Below	Minimum Tolerance			
2009 RISK AREA 05	ARGENTINE CANOLA	997 RR (BRETTYOUNG) (RT)	Below	Minimum Tolerance			
2010 RISK AREA 05	ARGENTINE CANOLA	CL 2070	Below	Minimum Tolerance			
2010 RISK AREA 05	ARGENTINE CANOLA	EAGLE (LANTMANNEN)  SWO2530	Below	Minimum Tolerance			
2010 RISK AREA 05	ARGENTINE CANOLA	EXCEED (BAYER)  HCN 35  (LT)	Below	Minimum Tolerance			
2010 RISK AREA 05	ARGENTINE CANOLA	IMC 206RR (RT)	Below	Minimum Tolerance			
2010 RISK AREA 05	ARGENTINE CANOLA	LBD449RR (RT)	Below	Minimum Tolerance			
2010 RISK AREA 05	ARGENTINE CANOLA	NEX 824CL (NEXERA)  CNX12  (ST)	Below	Minimum Tolerance			
2010 RISK AREA 05	ARGENTINE CANOLA	NEX 845CL (NEXERA)  DN040845  (ST)	Below	Minimum Tolerance			
2010 RISK AREA 05	ARGENTINE CANOLA	NX4-101 RR (NEXERA)  NEX G2X0022  (RT)	Below	Minimum Tolerance			
2010 RISK AREA 05	ARGENTINE CANOLA	NX4-104 RR (NEXERA)  NEX G2X0044  (RT)	Below	Minimum Tolerance			
2010 RISK AREA 05	ARGENTINE CANOLA	XCEED 8570 CL (ST)	Below	Minimum Tolerance			
2010 RISK AREA 05	ARGENTINE CANOLA	1141 (INVIGOR HEALTH) (LT)	Below	Minimum Tolerance			
2010 RISK AREA 05	ARGENTINE CANOLA	1143 (INVIGOR HEALTH) (LT)	Below	Minimum Tolerance			
2010 RISK AREA 05	ARGENTINE CANOLA	17685 (AGRIPROGRESS)  30326-A5  (RT)	Below	Minimum Tolerance			
2010 RISK AREA 05	ARGENTINE CANOLA	1956 (CANTERRA) (RT)	Below	Minimum Tolerance			
2010 RISK AREA 05	ARGENTINE CANOLA	43A56 (PIONEER)  NS4571  (RT)	Below	Minimum Tolerance			
2010 RISK AREA 05	ARGENTINE CANOLA	4414 RR (DL SEEDS) (RT)	Below	Minimum Tolerance			

2010 RISK AREA 05	ARGENTINE CANOLA	45A51 (PIONEER)  NS2335  (RT)	Below	Minimum	Tolerance
2010 RISK AREA 05	ARGENTINE CANOLA	45A77 (NS3233)(ST)	Below	Minimum	Tolerance
2010 RISK AREA 05	ARGENTINE CANOLA	45H72 (PIONEER) (ST)	Below	Minimum	Tolerance
2010 RISK AREA 05	ARGENTINE CANOLA	45P70 (PIONEER)  04N201L  (ST)	Below	Minimum	Tolerance
2010 RISK AREA 05	ARGENTINE CANOLA	5070 (INVIGOR)  RHY01-1997  (LT)	Below	Minimum	Tolerance
2010 RISK AREA 05	ARGENTINE CANOLA	71-40 CL (DEKALB) (ST)	Below	Minimum	Tolerance
2010 RISK AREA 05	ARGENTINE CANOLA	71-85RR (MONSANTO)  AV9514,514RR  (RT)	Below	Minimum	Tolerance
2010 RISK AREA 05	ARGENTINE CANOLA	72-35 RR (DEKALB) (RT)	Below	Minimum	Tolerance
2010 RISK AREA 05	ARGENTINE CANOLA	73-65 RR (DEKALB)  99575  (RT)	Below	Minimum	Tolerance
2010 RISK AREA 05	ARGENTINE CANOLA	9550 (MONSANTO)  PR6336  (RT)	Below	Minimum	Tolerance
2010 RISK AREA 05	ARGENTINE CANOLA	9554 RR (PROVEN) (RT)	Below	Minimum	Tolerance
2010 RISK AREA 05	ARGENTINE CANOLA	95575 (RT)	Below	Minimum	Tolerance
2010 RISK AREA 05	ARGENTINE CANOLA	997 RR (BRETTYOUNG) (RT)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	A280	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	D3151 (DUPONT) (RT)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	FUSION (DL SEEDS)  30321-D8	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	NO VAR	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	NX4-104 RR (NEXERA)  NEX G2X0044  (RT)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	NX4-107RR (NEXERA) (ST)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	VR 9350 G (PROVEN) (RT)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	VT REMARKABLE (VITERRA)  9555  (RT)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	V2030 (VICTORY) (RT)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	1145 (INVIGOR HEALTH) (LT)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	1852H (SW SEED) (RT)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	1896 (SW SEED)  SWF5187RR  (RT)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	1896 RR (CANTERRA) (RT)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	1918 (CANTERRA) (RT)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	1950 (CANTERRA) (RT)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	1956 (CANTERRA) (RT)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	292CL (MONSANTO)  AV9292  (ST)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	30-55 (DEKALB)  PR5650  (RT)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	3303LL (BONIS & CO)  BCS301L  (LT)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	43A56 (PIONEER)  NS4571  (RT)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	43E01 (RT)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	4362 RR (DL SEEDS) (RT)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	4414 RR (DL SEEDS) (RT)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	45A51 (PIONEER)  NS2335  (RT)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	45H21 (PIONEER) (RT)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	45H24 (PIONEER) (RT)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	45H28 (PIONEER) (RT)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	45H72 (PIONEER) (ST)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	45H74 (PIONEER)  07N292L  (ST)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	45P70 (PIONEER)  04N201L  (ST)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	46A52 (PIONEER)  NS2501  (RT)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	5070 (INVIGOR)  RHY01-1997  (LT)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	5525 CL (BRETTYOUNG) (ST)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	5535 CL (BRETT YOUNG) (ST)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	71-40 CL (DEKALB) (ST)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	71-45RR (MONSANTO)  Z2409  (RT)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	72-35 RR (DEKALB) (RT)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	72-55 RR (DEKALB) (RT)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	73-35 RR (DEKALB) (RT)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	73-75 RR (DEKALB) (RT)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	9550 (MONSANTO)  PR6336  (RT)	Below	Minimum	Tolerance
2011 RISK AREA 05	ARGENTINE CANOLA	997 RR (BRETTYOUNG) (RT)	Below	Minimum	Tolerance
2012 RISK AREA 05	ARGENTINE CANOLA	CL 2061 RR (RT)	Below	Minimum	Tolerance
2012 RISK AREA 05	ARGENTINE CANOLA	FOREMOST (SEED-LINK INC)  DP7-97	Below	Minimum	Tolerance
2012 RISK AREA 05	ARGENTINE CANOLA	NEX 720 (NEXERA)  M96A108,EXP203	Below	Minimum	Tolerance
2012 RISK AREA 05	ARGENTINE CANOLA	NX4 102 RR (NEXERA)  NEX G2X0023  (RT)	Below	Minimum	Tolerance
2012 RISK AREA 05	ARGENTINE CANOLA	NX4-107RR (NEXERA) (ST)	Below	Minimum	Tolerance
2012 RISK AREA 05	ARGENTINE CANOLA	NX4-2106 RR (NEXERA)  G31064  (RT)	Below	Minimum	Tolerance
2012 RISK AREA 05	ARGENTINE CANOLA	VT REMARKABLE (VITERRA)  9555  (RT)	Below	Minimum	Tolerance
2012 RISK AREA 05	ARGENTINE CANOLA	V1035 (VICTORY) (RT)	Below	Minimum	Tolerance
2012 RISK AREA 05	ARGENTINE CANOLA	V1040 (VICTORY) (RT)	Below	Minimum	Tolerance
2012 RISK AREA 05	ARGENTINE CANOLA	V2045 (VICTORY) (RT)	Below	Minimum	Tolerance
2012 RISK AREA 05	ARGENTINE CANOLA	1016 RR (NEXERA) (RT)	Below	Minimum	Tolerance
2012 RISK AREA 05	ARGENTINE CANOLA	1140 (INVIGOR HEALTH) (LT)	Below	Minimum	Tolerance
2012 RISK AREA 05	ARGENTINE CANOLA	1818 RR (CANTERRA) (RT)	Below	Minimum	Tolerance
2012 RISK AREA 05	ARGENTINE CANOLA	1841 (AGRIPROGRESS) (RT)	Below	Minimum	Tolerance
2012 RISK AREA 05	ARGENTINE CANOLA	1841RR (CANTERRA) (RT)	Below	Minimum	Tolerance
2012 RISK AREA 05	ARGENTINE CANOLA	1918 (CANTERRA) (RT)	Below	Minimum	Tolerance
2012 RISK AREA 05	ARGENTINE CANOLA	1956 (CANTERRA) (RT)	Below	Minimum	Tolerance
2012 RISK AREA 05	ARGENTINE CANOLA	2153 (INVIGOR) (LT)	Below	Minimum	Tolerance
2012 RISK AREA 05	ARGENTINE CANOLA	32-75 (MONSANTO)  PR7163  (RT)	Below	Minimum	Tolerance
2012 RISK AREA 05	ARGENTINE CANOLA	3345 (MONSANTO)  PR3665  (RT)	Below	Minimum	Tolerance
2012 RISK AREA 05	ARGENTINE CANOLA	43E01 (RT)	Below	Minimum	Tolerance
2012 RISK AREA 05	ARGENTINE CANOLA	45A51 (PIONEER)  NS2335  (RT)	Below	Minimum	Tolerance
2012 RISK AREA 05	ARGENTINE CANOLA	45H21 (PIONEER) (RT)	Below	Minimum	Tolerance
2012 RISK AREA 05	ARGENTINE CANOLA	45H25 (PIONEER) (RT)	Below	Minimum	Tolerance
2012 RISK AREA 05	ARGENTINE CANOLA	45H26 (PIONEER)  03N230R  (RT)	Below	Minimum	Tolerance
2012 RISK AREA 05	ARGENTINE CANOLA	45H28 (PIONEER) (RT)	Below	Minimum	Tolerance
2012 RISK AREA 05	ARGENTINE CANOLA	45553 (PIONEER) (RT)	Below	Minimum	Tolerance
2012 RISK AREA 05	ARGENTINE CANOLA	45554 (PIONEER) (RT)	Below	Minimum	Tolerance
2012 RISK AREA 05	ARGENTINE CANOLA	46A76 (PIONEER)  NS2804  (ST)	Below	Minimum	Tolerance
2012 RISK AREA 05	ARGENTINE CANOLA	46H75 (PIONEER) (ST)	Below	Minimum	Tolerance
2012 RISK AREA 05	ARGENTINE CANOLA	5020 (INVIGOR)  RHY01/597  (LT)	Below	Minimum	Tolerance
2012 RISK AREA 05	ARGENTINE CANOLA	5525 CL (BRETTYOUNG) (ST)	Below	Minimum	Tolerance
2012 RISK AREA 05	ARGENTINE CANOLA	6020 RR (BRETTYOUNG) (RT)	Below	Minimum	Tolerance
2012 RISK AREA 05	ARGENTINE CANOLA	6130 RR (BRETTYOUNG) (RT)	Below	Minimum	Tolerance
2012 RISK AREA 05	ARGENTINE CANOLA	72-55 RR (DEKALB) (RT)	Below	Minimum	Tolerance
2012 RISK AREA 05	ARGENTINE CANOLA	74-44 BL (DEKALB) (RT)	Below	Minimum	Tolerance
2012 RISK AREA 05	ARGENTINE CANOLA	9550 (MONSANTO)  PR6336  (RT)	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	CL 2061 RR (RT)	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	DS ROUGH RIDER (AGRIPROGRESS)  A5153.104	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	D3154S (DUPONT) (RT)	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	NEX 500 (NEXERA)  CSV10, 95-09	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	NX4-101 RR (NEXERA)  NEX G2X0022  (RT)	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	NX4-2106 RR (NEXERA)  G31064  (RT)	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	PV 530 G (PROVEN) (RT)	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	REGENT	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	SW HIGH LEVEL (BONIS & CO)  SW B3463	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	SY4135 (SYNGENTA) (RT)	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	VT REMARKABLE (VITERRA)  9555  (RT)	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	VT 520 G (VITERRA) (RT)	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	V1035 (VICTORY) (RT)	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	1014 RR (NEXERA) (RT)	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	1140 (INVIGOR HEALTH) (LT)	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	1651H (CANTERRA)  30321-A5  (ST)	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	1878V (AGRIPROGRESS)  CC504-03  (RT)	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	2014 CL (NEXERA) (ST)	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	2153 (INVIGOR) (LT)	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	45H24 (PIONEER) (RT)	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	45H73 (PIONEER)  04N205L  (ST)	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	45H75 CL (PIONEER) (ST)	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	45553 (PIONEER) (RT)	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	46A52 (PIONEER)  NS2501  (RT)	Below	Minimum	Tolerance



2013 RISK AREA 05	ARGENTINE CANOLA	46A76 (PIONEER)   NS2804   (ST)	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	46S53 (PIONEER) (RT)	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	5030 (INVIGOR)   RHY01-403   (LT)	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	6040 RR (BRETTYOUNG) (RT)	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	6050 RR (BRETT YOUNG) (RT)	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	6130 RR (BRETTYOUNG) (RT)	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	72-35 RR (DEKALB) (RT)	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	73-35 RR (DEKALB) (RT)	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	73-55 RR (DEKALB) (RT)	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	74-54 RR (DEKALB) (RT)	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	8440 (INVIGOR)   PHS04-781   (LT)	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	9550 (MONSANTO)   PR6336   (RT)	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	9553 (PROVEN) (RT)	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	9554 RR (PROVEN) (RT)	Below	Minimum	Tolerance
2013 RISK AREA 05	ARGENTINE CANOLA	9557S (RT)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	A7105	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	CE 2169 10H (NEXERA) (ST)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	DKL 34-55 (DEKALB) (RT)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	DS ROUGHRIDER (AGRIPROGRESS)   A5153.104	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	D3154S (DUPONT) (RT)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	FOREMOST (SEED-LINK INC)   DP7-97	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	L135C (INVIGOR) (LT)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	NEXERA 387H	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	SY4144 (SYNGENTA) (RT)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	VR 9561 GS (PROVEN) (RT)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	VR 9562 GC (PROVEN) (RT)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	VT REMARKABLE (VITERRA)   9555   (RT)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	VT 520 G (VITERRA) (RT)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	V12-1 (VICTORY) (RT)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	V12-2 (VICTORY) (RT)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	V2035 (VICTORY)   07H730   (RT)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	XCEED VT X121 (VITERRA) (ST)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	1010 RR (VICTORY) (RT)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	1014 RR (NEXERA) (RT)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	1016 RR (NEXERA) (RT)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	1140 (INVIGOR HEALTH) (LT)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	1144 (INVIGOR HEALTH) (LT)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	1145 (INVIGOR HEALTH) (LT)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	1651H (CANTERRA)   30321-A5   (ST)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	1818 RR (CANTERRA) (RT)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	1999 (CANTERRA) (RT)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	3235 (MONSANTO)   PR4406   (RT)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	45A54 (PIONEER)   NS2634   (RT)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	45H21 (PIONEER) (RT)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	45H33 (PIONEER) (RT)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	45H76 (PIONEER) (ST)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	45S54 (PIONEER) (RT)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	5030 (INVIGOR)   RHY01-403   (LT)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	5525 CL (BRETTYOUNG) (ST)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	5535 CL (BRETT YOUNG) (ST)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	5770 (INVIGOR) (LT)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	6050 RR (BRETT YOUNG) (RT)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	6056 CR (BRETT YOUNG) (RT)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	6130 RR (BRETTYOUNG) (RT)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	73-15 RR (DEKALB) (RT)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	75-45 RR (DEKALB) (RT)	Below	Minimum	Tolerance
2014 RISK AREA 05	ARGENTINE CANOLA	84500LL (BONIS & CO)   BCS301L   (LT)	Below	Minimum	Tolerance
2015 RISK AREA 05	ARGENTINE CANOLA	D3154S (DUPONT) (RT)	Below	Minimum	Tolerance
2015 RISK AREA 05	ARGENTINE CANOLA	D3155C (DUPONT) (RT) PSR-U	Below	Minimum	Tolerance
2015 RISK AREA 05	ARGENTINE CANOLA	L150 (INVIGOR) (LT)	Below	Minimum	Tolerance
2015 RISK AREA 05	ARGENTINE CANOLA	NO VAR	Below	Minimum	Tolerance
2015 RISK AREA 05	ARGENTINE CANOLA	NX4-2106 RR (NEXERA)   G31064   (RT)	Below	Minimum	Tolerance
2015 RISK AREA 05	ARGENTINE CANOLA	SY4144 (SYNGENTA) (RT)	Below	Minimum	Tolerance
2015 RISK AREA 05	ARGENTINE CANOLA	VT REMARKABLE (VITERRA)   9555   (RT)	Below	Minimum	Tolerance
2015 RISK AREA 05	ARGENTINE CANOLA	VT 520 G (VITERRA) (RT)	Below	Minimum	Tolerance
2015 RISK AREA 05	ARGENTINE CANOLA	V12-2 (VICTORY) (RT)	Below	Minimum	Tolerance
2015 RISK AREA 05	ARGENTINE CANOLA	V2035 (VICTORY)   07H730   (RT)	Below	Minimum	Tolerance
2015 RISK AREA 05	ARGENTINE CANOLA	1014 RR (NEXERA) (RT)	Below	Minimum	Tolerance
2015 RISK AREA 05	ARGENTINE CANOLA	1016 RR (NEXERA) (RT)	Below	Minimum	Tolerance
2015 RISK AREA 05	ARGENTINE CANOLA	1140 (INVIGOR HEALTH) (LT)	Below	Minimum	Tolerance
2015 RISK AREA 05	ARGENTINE CANOLA	1492 (AGRIPROGRESS)   PF 7528/95	Below	Minimum	Tolerance
2015 RISK AREA 05	ARGENTINE CANOLA	1918 (CANTERRA) (RT)	Below	Minimum	Tolerance
2015 RISK AREA 05	ARGENTINE CANOLA	1980 (CANTERRA) (RT)	Below	Minimum	Tolerance
2015 RISK AREA 05	ARGENTINE CANOLA	1999 (CANTERRA) (RT)	Below	Minimum	Tolerance
2015 RISK AREA 05	ARGENTINE CANOLA	2016 CL (NEXERA) (ST)	Below	Minimum	Tolerance
2015 RISK AREA 05	ARGENTINE CANOLA	23-38 (MONSANTO)   PR5338   (RT)	Below	Minimum	Tolerance
2015 RISK AREA 05	ARGENTINE CANOLA	30120-B6 (CANTERRA) (ST)	Below	Minimum	Tolerance
2015 RISK AREA 05	ARGENTINE CANOLA	45H21 (PIONEER) (RT)	Below	Minimum	Tolerance
2015 RISK AREA 05	ARGENTINE CANOLA	46A65 (PIONEER)   NS1565	Below	Minimum	Tolerance
2015 RISK AREA 05	ARGENTINE CANOLA	46A76 (PIONEER)   NS2804   (ST)	Below	Minimum	Tolerance
2015 RISK AREA 05	ARGENTINE CANOLA	46H02 (PIONEER) (RT)	Below	Minimum	Tolerance
2015 RISK AREA 05	ARGENTINE CANOLA	6040 RR (BRETTYOUNG) (RT)	Below	Minimum	Tolerance
2015 RISK AREA 05	ARGENTINE CANOLA	6044 RR (BRETT YOUNG) (RT)	Below	Minimum	Tolerance
2015 RISK AREA 05	ARGENTINE CANOLA	6064 RR (BRETT YOUNG) (RT)	Below	Minimum	Tolerance
2015 RISK AREA 05	ARGENTINE CANOLA	6074 RR (BRETT YOUNG) (RT) PSR-U	Below	Minimum	Tolerance
2015 RISK AREA 05	ARGENTINE CANOLA	6130 RR (BRETTYOUNG) (RT)	Below	Minimum	Tolerance
2015 RISK AREA 05	ARGENTINE CANOLA	72-65 RR (DEKALB) (RT)	Below	Minimum	Tolerance
2015 RISK AREA 05	ARGENTINE CANOLA	73-65 RR (DEKALB)   9957S   (RT)	Below	Minimum	Tolerance
2015 RISK AREA 05	ARGENTINE CANOLA	74-44 BL (DEKALB) (RT)	Below	Minimum	Tolerance
2015 RISK AREA 05	ARGENTINE CANOLA	75-45 RR (DEKALB) (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	ARGENTINE CANOLA	DKL 34-55 (DEKALB) (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	ARGENTINE CANOLA	D3153 (DUPONT) (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	ARGENTINE CANOLA	D3154S (DUPONT) (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	ARGENTINE CANOLA	L150 (INVIGOR) (LT)	Below	Minimum	Tolerance
2016 RISK AREA 05	ARGENTINE CANOLA	NEX 500 (NEXERA)   CSV10, 95-09	Below	Minimum	Tolerance
2016 RISK AREA 05	ARGENTINE CANOLA	NO VAR	Below	Minimum	Tolerance
2016 RISK AREA 05	ARGENTINE CANOLA	NX4-2106 RR (NEXERA)   G31064   (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	ARGENTINE CANOLA	PV 590 GCS (PROVEN) (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	ARGENTINE CANOLA	VR 9562 GC (PROVEN) (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	ARGENTINE CANOLA	VT REMARKABLE (VITERRA)   9555   (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	ARGENTINE CANOLA	V12-2 (VICTORY) (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	ARGENTINE CANOLA	V12-3 (VICTORY) (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	ARGENTINE CANOLA	V2045 (VICTORY) (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	ARGENTINE CANOLA	1492 (AGRIPROGRESS)   PF 7528/95	Below	Minimum	Tolerance
2016 RISK AREA 05	ARGENTINE CANOLA	1918 (CANTERRA) (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	ARGENTINE CANOLA	1970 (CANTERRA) (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	ARGENTINE CANOLA	2020 CL (NEXERA)(ST)	Below	Minimum	Tolerance
2016 RISK AREA 05	ARGENTINE CANOLA	225 RR (MONSANTO)   HYLITE 225 RR, PR5364	Below	Minimum	Tolerance
2016 RISK AREA 05	ARGENTINE CANOLA	43E03RR (PIONEER)(RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	ARGENTINE CANOLA	4434 RR (DL SEEDS) (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	ARGENTINE CANOLA	45H26 (PIONEER)   03N230R   (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	ARGENTINE CANOLA	45S52 (PIONEER) (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	ARGENTINE CANOLA	45S54 (PIONEER) (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	ARGENTINE CANOLA	46A76 (PIONEER)   NS2804   (ST)	Below	Minimum	Tolerance
2016 RISK AREA 05	ARGENTINE CANOLA	5525 CL (BRETTYOUNG) (ST)	Below	Minimum	Tolerance
2016 RISK AREA 05	ARGENTINE CANOLA	6020 RR (BRETTYOUNG) (RT)	Below	Minimum	Tolerance

2016 RISK AREA 05	ARGENTINE CANOLA	6050 RR (BRETT YOUNG) (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	ARGENTINE CANOLA	6056 CR (BRETT YOUNG) (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	ARGENTINE CANOLA	73-45 RR (DEKALB) (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	ARGENTINE CANOLA	73-65 RR (DEKALB)  99575  (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	ARGENTINE CANOLA	9551 (PROVEN)  SW G5246RR  (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	CS2200 CL (CANTERRA SEEDS) (ST)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	D3153 (DUPONT) (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	L120 (INVIGOR) (LT)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	L154 (INVIGOR) (LT)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	L159 (INVIGOR) (LT)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	NO VAR	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	PV 530 G (PROVEN) (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	PV 581 GC (PIONEER)  13N1424R (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	SY4135 (SYNGENTA) (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	VT REMARKABLE (VITERRA)  9555  (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	VT 500 G (PROVEN)  9556  (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	VT 520 G (VITERRA) (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	V22-1 (VICTORY) (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	1010 RR (VICTORY) (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	1020 RR (NEXERA) (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	1134 CA (MONSANTO)  X709, PR3534	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	1140 (INVIGOR HEALTH) (LT)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	1818 RR (CANTERRA) (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	1896 RR (CANTERRA) (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	1918 (CANTERRA) (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	1970 (CANTERRA) (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	1990 (CANTERRA) (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	2012 CL (NEXERA) (ST)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	30-55 (DEKALB)  PRS5650  (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	3235 (MONSANTO)  PR4406  (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	4187 RR (BRETTYOUNG) (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	45A51 (PIONEER)  NS2335  (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	45A55 (PIONEER)  NS3154  (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	45H21 (PIONEER) (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	45H22 (PIONEER)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	45H26 (PIONEER)  03N230R  (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	45H31 (PIONEER) (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	45H76 (PIONEER) (ST)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	45554 (PIONEER) (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	46A73 (PIONEER)  NS2207  (ST)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	46A76 (PIONEER)  NS2804  (ST)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	46H70 (PIONEER) (ST)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	5020 (INVIGOR)  RHY01/597  (LT)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	5545CL (BRETTYOUNG) 14DL30122  (ST){PSR-	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	6076 CR (BRETT YOUNG) (DL SEEDS) (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	6086 CR (BRETTYOUNG) DL1513 RR  (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	68K (CIBUS)  C5507  (ST)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	72-65 RR (DEKALB) (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	73-45 RR (DEKALB) (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	73-65 RR (DEKALB)  99575  (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	73-75 RR (DEKALB) (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	ARGENTINE CANOLA	74-54 RR (DEKALB) (RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	ARGENTINE CANOLA	CS2500 CL (CANTERRA)  DL1504CL  (ST)	Below	Minimum	Tolerance
2018 RISK AREA 05	ARGENTINE CANOLA	PV 530 G (PROVEN) (RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	ARGENTINE CANOLA	PV 533 G (PROVEN) (RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	ARGENTINE CANOLA	VT 500 G (PROVEN)  9556  (RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	ARGENTINE CANOLA	V2045 (VICTORY) (RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	ARGENTINE CANOLA	1010 RR (VICTORY) (RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	ARGENTINE CANOLA	1012 RR (NEXERA) (RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	ARGENTINE CANOLA	1020 RR (NEXERA) (RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	ARGENTINE CANOLA	1134 CA (MONSANTO)  X709, PR3534	Below	Minimum	Tolerance
2018 RISK AREA 05	ARGENTINE CANOLA	1140 (INVIGOR HEALTH) (LT)	Below	Minimum	Tolerance
2018 RISK AREA 05	ARGENTINE CANOLA	1604 (AGRIPROGRESS) (ST)	Below	Minimum	Tolerance
2018 RISK AREA 05	ARGENTINE CANOLA	1918 (CANTERRA) (RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	ARGENTINE CANOLA	2163 (INVIGOR) (LT)	Below	Minimum	Tolerance
2018 RISK AREA 05	ARGENTINE CANOLA	2573 (INVIGOR)  PH598-640  (LT)	Below	Minimum	Tolerance
2018 RISK AREA 05	ARGENTINE CANOLA	45A51 (PIONEER)  NS2335  (RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	ARGENTINE CANOLA	45A55 (PIONEER)  NS3154  (RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	ARGENTINE CANOLA	45A76 (PIONEER) (ST)	Below	Minimum	Tolerance
2018 RISK AREA 05	ARGENTINE CANOLA	45H29 (PIONEER) (RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	ARGENTINE CANOLA	45H37 (PIONEER) (RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	ARGENTINE CANOLA	45M35 (PIONEER)  13N924R  (RT){PSR-T}	Below	Minimum	Tolerance
2018 RISK AREA 05	ARGENTINE CANOLA	46M34 (PIONEER)  12N0572R  (RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	ARGENTINE CANOLA	6020 RR (BRETTYOUNG) (RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	ARGENTINE CANOLA	6040 RR (BRETTYOUNG) (RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	ARGENTINE CANOLA	6064 RR (BRETT YOUNG) (RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	ARGENTINE CANOLA	6080 RR (BRETT YOUNG)(DL SEEDS)(RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	ARGENTINE CANOLA	6090 (BRETT YOUNG) (RT) {PSR-U}	Below	Minimum	Tolerance
2018 RISK AREA 05	ARGENTINE CANOLA	68K (CIBUS)  C5507  (ST)	Below	Minimum	Tolerance
2018 RISK AREA 05	ARGENTINE CANOLA	73-35 RR (DEKALB) (RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	ARGENTINE CANOLA	73-65 RR (DEKALB)  99575  (RT)	Below	Minimum	Tolerance
2019 RISK AREA 05	ARGENTINE CANOLA	B3010M (BREVANT) (LT)	Below	Minimum	Tolerance
2019 RISK AREA 05	ARGENTINE CANOLA	CS2500 CL (CANTERRA)  DL1504CL  (ST)	Below	Minimum	Tolerance
2019 RISK AREA 05	ARGENTINE CANOLA	CS2600 CR-T (CANTERRA) (RT)	Below	Minimum	Tolerance
2019 RISK AREA 05	ARGENTINE CANOLA	DKLL 81 BL (DEKALB) (LT)	Below	Minimum	Tolerance
2019 RISK AREA 05	ARGENTINE CANOLA	HYSYN 120 SC (MONSANTO)  ZSC 220	Below	Minimum	Tolerance
2019 RISK AREA 05	ARGENTINE CANOLA	L241C (INVIGOR) (LT)	Below	Minimum	Tolerance
2019 RISK AREA 05	ARGENTINE CANOLA	L258HPC (INVIGOR) (LT)	Below	Minimum	Tolerance
2019 RISK AREA 05	ARGENTINE CANOLA	PV 560 GM (PIONEER) 13N925R (RT)	Below	Minimum	Tolerance
2019 RISK AREA 05	ARGENTINE CANOLA	PV 581 GC (PIONEER)  13N1424R (RT)	Below	Minimum	Tolerance
2019 RISK AREA 05	ARGENTINE CANOLA	PV 585 GC (PROVEN)	Below	Minimum	Tolerance
2019 RISK AREA 05	ARGENTINE CANOLA	PV 760 TM (PROVEN) (RT)	Below	Minimum	Tolerance
2019 RISK AREA 05	ARGENTINE CANOLA	SY4135 (SYNGENTA) (RT)	Below	Minimum	Tolerance
2019 RISK AREA 05	ARGENTINE CANOLA	VT 500 G (PROVEN)  9556  (RT)	Below	Minimum	Tolerance
2019 RISK AREA 05	ARGENTINE CANOLA	V22-1 (VICTORY) (RT)	Below	Minimum	Tolerance
2019 RISK AREA 05	ARGENTINE CANOLA	V33-1CL (CARGILL) (CT)	Below	Minimum	Tolerance
2019 RISK AREA 05	ARGENTINE CANOLA	1134 CA (MONSANTO)  X709, PR3534	Below	Minimum	Tolerance
2019 RISK AREA 05	ARGENTINE CANOLA	1143 (INVIGOR HEALTH) (LT)	Below	Minimum	Tolerance
2019 RISK AREA 05	ARGENTINE CANOLA	1918 (CANTERRA) (RT)	Below	Minimum	Tolerance
2019 RISK AREA 05	ARGENTINE CANOLA	2563 (INVIGOR) (LT)	Below	Minimum	Tolerance
2019 RISK AREA 05	ARGENTINE CANOLA	45A51 (PIONEER)  NS2335  (RT)	Below	Minimum	Tolerance
2019 RISK AREA 05	ARGENTINE CANOLA	45CM36 (PIONEER) (RT)	Below	Minimum	Tolerance
2019 RISK AREA 05	ARGENTINE CANOLA	45H29 (PIONEER) (RT)	Below	Minimum	Tolerance
2019 RISK AREA 05	ARGENTINE CANOLA	45H33 (PIONEER) (RT)	Below	Minimum	Tolerance
2019 RISK AREA 05	ARGENTINE CANOLA	45H37 (PIONEER) (RT)	Below	Minimum	Tolerance
2019 RISK AREA 05	ARGENTINE CANOLA	46H23 (PIONEER)  00N304R  (RT)	Below	Minimum	Tolerance
2019 RISK AREA 05	ARGENTINE CANOLA	5525 CL (BRETTYOUNG) (ST)	Below	Minimum	Tolerance
2019 RISK AREA 05	ARGENTINE CANOLA	5535 CL (BRETT YOUNG) (ST)	Below	Minimum	Tolerance
2019 RISK AREA 05	ARGENTINE CANOLA	68K (CIBUS)  C5507  (ST)	Below	Minimum	Tolerance
2019 RISK AREA 05	ARGENTINE CANOLA	71-45RR (MONSANTO)  Z2409  (RT)	Below	Minimum	Tolerance
2019 RISK AREA 05	ARGENTINE CANOLA	73-65 RR (DEKALB)  99575  (RT)	Below	Minimum	Tolerance
2019 RISK AREA 05	ARGENTINE CANOLA	75-42 CR (DEKALB) (RT)	Below	Minimum	Tolerance
2019 RISK AREA 05	ARGENTINE CANOLA	75-45 RR (DEKALB) (RT)	Below	Minimum	Tolerance
2019 RISK AREA 05	ARGENTINE CANOLA	9551 (PROVEN)  SW G5246RR  (RT)	Below	Minimum	Tolerance

MMPP - Variety Yield Data Browser

Year	Risk Area / R.M.	Crop	Variety	Farms	Acres	Yield/acre(Metric)	Yield/acre(Metric)	Yield/acre(Imperial)	Yield/acre(Imperial)
2009	RISK AREA 05	ALFALFA	PICKSEED 2065MF	10	804	2.621 Tonnes	Tonnes	2.889 Tons	Tons
2018	RISK AREA 05	ALFALFA	VISION	4	613	2.605 Tonnes	Tonnes	2.871 Tons	Tons
2016	RISK AREA 05	ALFALFA	NO VAR	151	11349	2.437 Tonnes	Tonnes	2.686 Tons	Tons
2010	RISK AREA 05	ALFALFA	NO VAR	186	13363	2.220 Tonnes	Tonnes	2.447 Tons	Tons
2011	RISK AREA 05	ALFALFA	53Q60 (Y53Q60)	4	535	2.087 Tonnes	Tonnes	2.300 Tons	Tons
2010	RISK AREA 05	ALFALFA	PICKSEED 2065MF	8	664	2.083 Tonnes	Tonnes	2.295 Tons	Tons
2014	RISK AREA 05	ALFALFA	NO VAR	162	12382	2.023 Tonnes	Tonnes	2.229 Tons	Tons
2010	RISK AREA 05	ALFALFA	53Q60 (Y53Q60)	4	505	2.017 Tonnes	Tonnes	2.223 Tons	Tons
2010	RISK AREA 05	ALFALFA	ALGONQUIN	17	830	1.970 Tonnes	Tonnes	2.170 Tons	Tons
2019	RISK AREA 05	ALFALFA	VISION	5	774	1.962 Tonnes	Tonnes	2.162 Tons	Tons
2015	RISK AREA 05	ALFALFA	NO VAR	157	11164	1.920 Tonnes	Tonnes	2.116 Tons	Tons
2011	RISK AREA 05	ALFALFA	NO VAR	178	13035	1.867 Tonnes	Tonnes	2.057 Tons	Tons
2012	RISK AREA 05	ALFALFA	53Q60 (Y53Q60)	3	505	1.858 Tonnes	Tonnes	2.047 Tons	Tons
2017	RISK AREA 05	ALFALFA	NO VAR	146	11902	1.843 Tonnes	Tonnes	2.031 Tons	Tons
2013	RISK AREA 05	ALFALFA	NO VAR	157	12275	1.758 Tonnes	Tonnes	1.937 Tons	Tons
2009	RISK AREA 05	ALFALFA	ALGONQUIN	23	951	1.743 Tonnes	Tonnes	1.921 Tons	Tons
2009	RISK AREA 05	ALFALFA	NO VAR	180	12568	1.584 Tonnes	Tonnes	1.746 Tons	Tons
2009	RISK AREA 05	ALFALFA	ULTRASTAR	7	500	1.554 Tonnes	Tonnes	1.712 Tons	Tons
2011	RISK AREA 05	ALFALFA	ALGONQUIN	12	563	1.504 Tonnes	Tonnes	1.657 Tons	Tons
2009	RISK AREA 05	ALFALFA	53Q60 (Y53Q60)	4	505	1.475 Tonnes	Tonnes	1.626 Tons	Tons
2012	RISK AREA 05	ALFALFA	NO VAR	169	11443	1.411 Tonnes	Tonnes	1.554 Tons	Tons
2019	RISK AREA 05	ALFALFA	NO VAR	125	9904	1.334 Tonnes	Tonnes	1.470 Tons	Tons
2018	RISK AREA 05	ALFALFA	NO VAR	129	10175	1.176 Tonnes	Tonnes	1.296 Tons	Tons
2009	RISK AREA 05	ALFALFA	ABLE (PS 90-6, 9096)	Below	Minimum	Tolerance			
2009	RISK AREA 05	ALFALFA	ABSOLUTE	Below	Minimum	Tolerance			
2009	RISK AREA 05	ALFALFA	AC CARIBOU	Below	Minimum	Tolerance			
2009	RISK AREA 05	ALFALFA	AC GRAZELAND BR	Below	Minimum	Tolerance			
2009	RISK AREA 05	ALFALFA	AC MINTO	Below	Minimum	Tolerance			
2009	RISK AREA 05	ALFALFA	ALLSTAR PLUS	Below	Minimum	Tolerance			
2009	RISK AREA 05	ALFALFA	AMERISTAND 201+Z	Below	Minimum	Tolerance			
2009	RISK AREA 05	ALFALFA	BLEND 2220	Below	Minimum	Tolerance			
2009	RISK AREA 05	ALFALFA	CENTURION	Below	Minimum	Tolerance			
2009	RISK AREA 05	ALFALFA	FIELD KING BLEND	Below	Minimum	Tolerance			
2009	RISK AREA 05	ALFALFA	FORECAST 1001	Below	Minimum	Tolerance			
2009	RISK AREA 05	ALFALFA	GALA	Below	Minimum	Tolerance			
2009	RISK AREA 05	ALFALFA	GENEVA	Below	Minimum	Tolerance			
2009	RISK AREA 05	ALFALFA	HYBRIFORCE 400	Below	Minimum	Tolerance			
2009	RISK AREA 05	ALFALFA	MAGNUM	Below	Minimum	Tolerance			
2009	RISK AREA 05	ALFALFA	MAGNUM III WET	Below	Minimum	Tolerance			
2009	RISK AREA 05	ALFALFA	MULTI 5301	Below	Minimum	Tolerance			
2009	RISK AREA 05	ALFALFA	NOBLE	Below	Minimum	Tolerance			
2009	RISK AREA 05	ALFALFA	PICKSEED 8920MF	Below	Minimum	Tolerance			
2009	RISK AREA 05	ALFALFA	PICKSEED 8925MF	Below	Minimum	Tolerance			
2009	RISK AREA 05	ALFALFA	RANCHERS CHOICE BLEND	Below	Minimum	Tolerance			
2009	RISK AREA 05	ALFALFA	RANGELANDER	Below	Minimum	Tolerance			
2009	RISK AREA 05	ALFALFA	RHINO (3317)	Below	Minimum	Tolerance			
2009	RISK AREA 05	ALFALFA	SPREDOR 2	Below	Minimum	Tolerance			
2009	RISK AREA 05	ALFALFA	SPREDOR 3	Below	Minimum	Tolerance			
2009	RISK AREA 05	ALFALFA	TOPHAND	Below	Minimum	Tolerance			
2009	RISK AREA 05	ALFALFA	22-20 BLEND	Below	Minimum	Tolerance			
2009	RISK AREA 05	ALFALFA		5262	Below	Minimum	Tolerance		
2009	RISK AREA 05	ALFALFA	53V52	Below	Minimum	Tolerance			
2009	RISK AREA 05	ALFALFA	54Q25	Below	Minimum	Tolerance			
2010	RISK AREA 05	ALFALFA	ABLE (PS 90-6, 9096)	Below	Minimum	Tolerance			
2010	RISK AREA 05	ALFALFA	ABSOLUTE	Below	Minimum	Tolerance			
2010	RISK AREA 05	ALFALFA	AC CARIBOU	Below	Minimum	Tolerance			
2010	RISK AREA 05	ALFALFA	AC GRAZELAND BR	Below	Minimum	Tolerance			
2010	RISK AREA 05	ALFALFA	AMERISTAND 201+Z	Below	Minimum	Tolerance			
2010	RISK AREA 05	ALFALFA	BLEND 2220	Below	Minimum	Tolerance			
2010	RISK AREA 05	ALFALFA	CENTURION	Below	Minimum	Tolerance			
2010	RISK AREA 05	ALFALFA	FIELD KING BLEND	Below	Minimum	Tolerance			
2010	RISK AREA 05	ALFALFA	GALA	Below	Minimum	Tolerance			
2010	RISK AREA 05	ALFALFA	GENEVA	Below	Minimum	Tolerance			
2010	RISK AREA 05	ALFALFA	HYBRIFORCE 400	Below	Minimum	Tolerance			
2010	RISK AREA 05	ALFALFA	MAGNUM	Below	Minimum	Tolerance			
2010	RISK AREA 05	ALFALFA	MAGNUM III WET	Below	Minimum	Tolerance			
2010	RISK AREA 05	ALFALFA	MULTI 5301	Below	Minimum	Tolerance			
2010	RISK AREA 05	ALFALFA	NOBLE	Below	Minimum	Tolerance			
2010	RISK AREA 05	ALFALFA	PICKSEED 8925MF	Below	Minimum	Tolerance			
2010	RISK AREA 05	ALFALFA	RANCHERS CHOICE BLEND	Below	Minimum	Tolerance			
2010	RISK AREA 05	ALFALFA	RANGELANDER	Below	Minimum	Tolerance			
2010	RISK AREA 05	ALFALFA	RHINO (3317)	Below	Minimum	Tolerance			
2010	RISK AREA 05	ALFALFA	SPREDOR 2	Below	Minimum	Tolerance			
2010	RISK AREA 05	ALFALFA	STEALTH (CW 83021)	Below	Minimum	Tolerance			
2010	RISK AREA 05	ALFALFA	TOPHAND	Below	Minimum	Tolerance			
2010	RISK AREA 05	ALFALFA	ULTRASTAR	Below	Minimum	Tolerance			
2010	RISK AREA 05	ALFALFA	22-20 BLEND	Below	Minimum	Tolerance			
2010	RISK AREA 05	ALFALFA		5262	Below	Minimum	Tolerance		
2010	RISK AREA 05	ALFALFA	53V52	Below	Minimum	Tolerance			
2010	RISK AREA 05	ALFALFA	54Q25	Below	Minimum	Tolerance			
2011	RISK AREA 05	ALFALFA	ABLE (PS 90-6, 9096)	Below	Minimum	Tolerance			
2011	RISK AREA 05	ALFALFA	ABSOLUTE	Below	Minimum	Tolerance			
2011	RISK AREA 05	ALFALFA	AC CARIBOU	Below	Minimum	Tolerance			
2011	RISK AREA 05	ALFALFA	AC GRAZELAND BR	Below	Minimum	Tolerance			
2011	RISK AREA 05	ALFALFA	AMERISTAND 201+Z	Below	Minimum	Tolerance			
2011	RISK AREA 05	ALFALFA	BLEND 2220	Below	Minimum	Tolerance			
2011	RISK AREA 05	ALFALFA	CENTURION	Below	Minimum	Tolerance			
2011	RISK AREA 05	ALFALFA	EQUINOX	Below	Minimum	Tolerance			
2011	RISK AREA 05	ALFALFA	GALA	Below	Minimum	Tolerance			
2011	RISK AREA 05	ALFALFA	GENEVA	Below	Minimum	Tolerance			
2011	RISK AREA 05	ALFALFA	HYBRIFORCE 400	Below	Minimum	Tolerance			
2011	RISK AREA 05	ALFALFA	LEADER	Below	Minimum	Tolerance			
2011	RISK AREA 05	ALFALFA	MAGNUM	Below	Minimum	Tolerance			
2011	RISK AREA 05	ALFALFA	MAGNUM III WET	Below	Minimum	Tolerance			
2011	RISK AREA 05	ALFALFA	MULTI 5301	Below	Minimum	Tolerance			
2011	RISK AREA 05	ALFALFA	PICKSEED 2065MF	Below	Minimum	Tolerance			
2011	RISK AREA 05	ALFALFA	PICKSEED 8925MF	Below	Minimum	Tolerance			
2011	RISK AREA 05	ALFALFA	RANCHERS CHOICE BLEND	Below	Minimum	Tolerance			
2011	RISK AREA 05	ALFALFA	RANGELANDER	Below	Minimum	Tolerance			
2011	RISK AREA 05	ALFALFA	RHINO (3317)	Below	Minimum	Tolerance			
2011	RISK AREA 05	ALFALFA	STEALTH (CW 83021)	Below	Minimum	Tolerance			
2011	RISK AREA 05	ALFALFA	TOPHAND	Below	Minimum	Tolerance			
2011	RISK AREA 05	ALFALFA	ULTRASTAR	Below	Minimum	Tolerance			



2016 RISK AREA 05	ALFALFA	TOPHAND	Below	Minimum	Tolerance
2016 RISK AREA 05	ALFALFA	VISION	Below	Minimum	Tolerance
2016 RISK AREA 05	ALFALFA	4010 BR	Below	Minimum	Tolerance
2016 RISK AREA 05	ALFALFA		5254	Below	Minimum Tolerance
2016 RISK AREA 05	ALFALFA	53Q60 (Y53Q60)	Below	Minimum	Tolerance
2016 RISK AREA 05	ALFALFA	53V52	Below	Minimum	Tolerance
2016 RISK AREA 05	ALFALFA	54Q25	Below	Minimum	Tolerance
2016 RISK AREA 05	ALFALFA	54Q32	Below	Minimum	Tolerance
2017 RISK AREA 05	ALFALFA	ALGONQUIN	Below	Minimum	Tolerance
2017 RISK AREA 05	ALFALFA	HAYMAKER	Below	Minimum	Tolerance
2017 RISK AREA 05	ALFALFA	HYBRIFORCE 2410	Below	Minimum	Tolerance
2017 RISK AREA 05	ALFALFA	LEGEND	Below	Minimum	Tolerance
2017 RISK AREA 05	ALFALFA	PICKSEED 2065MF	Below	Minimum	Tolerance
2017 RISK AREA 05	ALFALFA	PICKSEED 8920MF	Below	Minimum	Tolerance
2017 RISK AREA 05	ALFALFA	PIONEER 55Q27	Below	Minimum	Tolerance
2017 RISK AREA 05	ALFALFA	RANCHERS CHOICE BLEND	Below	Minimum	Tolerance
2017 RISK AREA 05	ALFALFA	RUNNER (HC-2)	Below	Minimum	Tolerance
2017 RISK AREA 05	ALFALFA	SPREDOR 2	Below	Minimum	Tolerance
2017 RISK AREA 05	ALFALFA	STEALTH (CW 83021)	Below	Minimum	Tolerance
2017 RISK AREA 05	ALFALFA	TOPHAND	Below	Minimum	Tolerance
2017 RISK AREA 05	ALFALFA	VISION	Below	Minimum	Tolerance
2017 RISK AREA 05	ALFALFA	135 ALFALFA (134/135) PRO RICH SEEDS	Below	Minimum	Tolerance
2017 RISK AREA 05	ALFALFA	4010 BR	Below	Minimum	Tolerance
2017 RISK AREA 05	ALFALFA		5254	Below	Minimum Tolerance
2017 RISK AREA 05	ALFALFA	53Q30	Below	Minimum	Tolerance
2017 RISK AREA 05	ALFALFA	53Q60 (Y53Q60)	Below	Minimum	Tolerance
2017 RISK AREA 05	ALFALFA	53V52	Below	Minimum	Tolerance
2017 RISK AREA 05	ALFALFA	54Q25	Below	Minimum	Tolerance
2017 RISK AREA 05	ALFALFA	54Q32	Below	Minimum	Tolerance
2018 RISK AREA 05	ALFALFA	ALGONQUIN	Below	Minimum	Tolerance
2018 RISK AREA 05	ALFALFA	BLEND 2220	Below	Minimum	Tolerance
2018 RISK AREA 05	ALFALFA	BLEND 4440 (BRETTYOUNG)	Below	Minimum	Tolerance
2018 RISK AREA 05	ALFALFA	HAYMAKER	Below	Minimum	Tolerance
2018 RISK AREA 05	ALFALFA	HYBRIFORCE 2410	Below	Minimum	Tolerance
2018 RISK AREA 05	ALFALFA	LEGEND	Below	Minimum	Tolerance
2018 RISK AREA 05	ALFALFA	PICKSEED 2065MF	Below	Minimum	Tolerance
2018 RISK AREA 05	ALFALFA	PICKSEED 8920MF	Below	Minimum	Tolerance
2018 RISK AREA 05	ALFALFA	PIONEER 55Q27	Below	Minimum	Tolerance
2018 RISK AREA 05	ALFALFA	RANCHERS CHOICE BLEND	Below	Minimum	Tolerance
2018 RISK AREA 05	ALFALFA	RANGELANDER	Below	Minimum	Tolerance
2018 RISK AREA 05	ALFALFA	RUNNER (HC-2)	Below	Minimum	Tolerance
2018 RISK AREA 05	ALFALFA	SPREDOR 2	Below	Minimum	Tolerance
2018 RISK AREA 05	ALFALFA	TOPHAND	Below	Minimum	Tolerance
2018 RISK AREA 05	ALFALFA	135 ALFALFA (134/135) PRO RICH SEEDS	Below	Minimum	Tolerance
2018 RISK AREA 05	ALFALFA	22-20 BLEND	Below	Minimum	Tolerance
2018 RISK AREA 05	ALFALFA	4010 BR	Below	Minimum	Tolerance
2018 RISK AREA 05	ALFALFA	53Q30	Below	Minimum	Tolerance
2018 RISK AREA 05	ALFALFA	53Q60 (Y53Q60)	Below	Minimum	Tolerance
2018 RISK AREA 05	ALFALFA	53V52	Below	Minimum	Tolerance
2018 RISK AREA 05	ALFALFA	54Q25	Below	Minimum	Tolerance
2018 RISK AREA 05	ALFALFA	54Q32	Below	Minimum	Tolerance
2018 RISK AREA 05	ALFALFA	55V50 (PIONEER)	Below	Minimum	Tolerance
2019 RISK AREA 05	ALFALFA	ALGONQUIN	Below	Minimum	Tolerance
2019 RISK AREA 05	ALFALFA	BLEND 2220	Below	Minimum	Tolerance
2019 RISK AREA 05	ALFALFA	BLEND 4440 (BRETTYOUNG)	Below	Minimum	Tolerance
2019 RISK AREA 05	ALFALFA	HAYMAKER	Below	Minimum	Tolerance
2019 RISK AREA 05	ALFALFA	HPS BRAND REGULAR BLEND	Below	Minimum	Tolerance
2019 RISK AREA 05	ALFALFA	HYBRIFORCE 2410	Below	Minimum	Tolerance
2019 RISK AREA 05	ALFALFA	LEADER	Below	Minimum	Tolerance
2019 RISK AREA 05	ALFALFA	LEGEND	Below	Minimum	Tolerance
2019 RISK AREA 05	ALFALFA	MULTI 5301	Below	Minimum	Tolerance
2019 RISK AREA 05	ALFALFA	PICKSEED 8920MF	Below	Minimum	Tolerance
2019 RISK AREA 05	ALFALFA	PIONEER 55Q27	Below	Minimum	Tolerance
2019 RISK AREA 05	ALFALFA	RANCHERS CHOICE BLEND	Below	Minimum	Tolerance
2019 RISK AREA 05	ALFALFA	RANGELANDER	Below	Minimum	Tolerance
2019 RISK AREA 05	ALFALFA	RUNNER (HC-2)	Below	Minimum	Tolerance
2019 RISK AREA 05	ALFALFA	SPREDOR 2	Below	Minimum	Tolerance
2019 RISK AREA 05	ALFALFA	SURGE HG (BRETTYOUNG)	Below	Minimum	Tolerance
2019 RISK AREA 05	ALFALFA	TOPHAND	Below	Minimum	Tolerance
2019 RISK AREA 05	ALFALFA	135 ALFALFA (134/135) PRO RICH SEEDS	Below	Minimum	Tolerance
2019 RISK AREA 05	ALFALFA	22-20 BLEND	Below	Minimum	Tolerance
2019 RISK AREA 05	ALFALFA	4010 BR	Below	Minimum	Tolerance
2019 RISK AREA 05	ALFALFA		5254	Below	Minimum Tolerance
2019 RISK AREA 05	ALFALFA	53Q30	Below	Minimum	Tolerance
2019 RISK AREA 05	ALFALFA	53Q60 (Y53Q60)	Below	Minimum	Tolerance
2019 RISK AREA 05	ALFALFA		5312	Below	Minimum Tolerance
2019 RISK AREA 05	ALFALFA	54Q14 (PIONEER)	Below	Minimum	Tolerance
2019 RISK AREA 05	ALFALFA	54Q25	Below	Minimum	Tolerance
2019 RISK AREA 05	ALFALFA	54Q32	Below	Minimum	Tolerance
2019 RISK AREA 05	ALFALFA	55V50 (PIONEER)	Below	Minimum	Tolerance

## MMPP - Variety Yield Data Browser

Year	Risk Area / R.M.	Crop	Variety	Farms	Acres	Yield/acre(Metric)	Yield/acre(Metric)	Yield/acre(Imperial)	Yield/acre(Imperial)
2019	RISK AREA 05	SILAGE CORN	AS1047RR EDF (PRIDE)	19	1424	19.807 Tonnes	Tonnes	21.827 Tons	Tons
2018	RISK AREA 05	SILAGE CORN	AS1047RR EDF (PRIDE)	17	1087	18.038 Tonnes	Tonnes	19.878 Tons	Tons
2016	RISK AREA 05	SILAGE CORN	P7958AM (PIONEER)	12	784	16.340 Tonnes	Tonnes	18.007 Tons	Tons
2013	RISK AREA 05	SILAGE CORN	39D95 (PIONEER) (BT)(LT)(RT)	11	545	15.566 Tonnes	Tonnes	17.154 Tons	Tons
2015	RISK AREA 05	SILAGE CORN	P7958AM (PIONEER)	7	604	15.507 Tonnes	Tonnes	17.088 Tons	Tons
2016	RISK AREA 05	SILAGE CORN	NO VAR	9	811	14.339 Tonnes	Tonnes	15.802 Tons	Tons
2017	RISK AREA 05	SILAGE CORN	P7958AM (PIONEER)	18	1288	13.630 Tonnes	Tonnes	15.020 Tons	Tons
2019	RISK AREA 05	SILAGE CORN	P7958AM (PIONEER)	24	1675	13.360 Tonnes	Tonnes	14.723 Tons	Tons
2014	RISK AREA 05	SILAGE CORN	39D95 (PIONEER) (BT)(LT)(RT)	22	1593	12.459 Tonnes	Tonnes	13.730 Tons	Tons
2018	RISK AREA 05	SILAGE CORN	P7958AM (PIONEER)	17	1275	12.120 Tonnes	Tonnes	13.356 Tons	Tons
2018	RISK AREA 05	SILAGE CORN	NO VAR	13	700	11.801 Tonnes	Tonnes	13.004 Tons	Tons
2014	RISK AREA 05	SILAGE CORN	NO VAR	13	687	11.451 Tonnes	Tonnes	12.619 Tons	Tons
2012	RISK AREA 05	SILAGE CORN	39B90 (PIONEER) (RT)	10	717	10.740 Tonnes	Tonnes	11.835 Tons	Tons
2009	RISK AREA 05	SILAGE CORN	A4176BTRR (PRIDE) (BT)(RT)	Below	Minimum	Tolerance			
2009	RISK AREA 05	SILAGE CORN	DEKALB DKC30-02	Below	Minimum	Tolerance			
2009	RISK AREA 05	SILAGE CORN	DKC26-78 (DEKALB) (RT)	Below	Minimum	Tolerance			
2009	RISK AREA 05	SILAGE CORN	DKC27-12 (DEKALB) (RT)	Below	Minimum	Tolerance			
2009	RISK AREA 05	SILAGE CORN	DKC27-44 (DEKALB) (RT)	Below	Minimum	Tolerance			
2009	RISK AREA 05	SILAGE CORN	DKC27-45 (DEKALB) (BT)(RT)	Below	Minimum	Tolerance			
2009	RISK AREA 05	SILAGE CORN	DKC33-72 (DEKALB) (RT)	Below	Minimum	Tolerance			
2009	RISK AREA 05	SILAGE CORN	HL B22R (HYLAND) (BT)(RT)	Below	Minimum	Tolerance			
2009	RISK AREA 05	SILAGE CORN	HL SR06 (HYLAND) (RT)	Below	Minimum	Tolerance			
2009	RISK AREA 05	SILAGE CORN	HL SR22 (HYLAND) (RT)	Below	Minimum	Tolerance			
2009	RISK AREA 05	SILAGE CORN	HL SR35 (DOW SEEDS)(RT)	Below	Minimum	Tolerance			
2009	RISK AREA 05	SILAGE CORN	NO VAR	Below	Minimum	Tolerance			
2009	RISK AREA 05	SILAGE CORN	PICKSEED 2240RR (RT)	Below	Minimum	Tolerance			
2009	RISK AREA 05	SILAGE CORN	PICKSEED 2365 (RT)	Below	Minimum	Tolerance			
2009	RISK AREA 05	SILAGE CORN	PICKSEED 2477	Below	Minimum	Tolerance			
2009	RISK AREA 05	SILAGE CORN	PIONEER 3929	Below	Minimum	Tolerance			
2009	RISK AREA 05	SILAGE CORN	PS 2501RR (PICKSEED) (RT)	Below	Minimum	Tolerance			
2009	RISK AREA 05	SILAGE CORN	P7535R (PIONEER) (RT)	Below	Minimum	Tolerance			
2009	RISK AREA 05	SILAGE CORN	2656 (PICKSEED)	Below	Minimum	Tolerance			
2009	RISK AREA 05	SILAGE CORN	39B90 (PIONEER) (RT)	Below	Minimum	Tolerance			
2009	RISK AREA 05	SILAGE CORN	39B94 (PIONEER) (BT)(LT)(RT)	Below	Minimum	Tolerance			
2009	RISK AREA 05	SILAGE CORN	39D95 (PIONEER) (BT)(LT)(RT)	Below	Minimum	Tolerance			
2009	RISK AREA 05	SILAGE CORN	39D97 (PIONEER) (BT)(LT)(RT)	Below	Minimum	Tolerance			
2009	RISK AREA 05	SILAGE CORN	39H83 (PIONEER) (RT)	Below	Minimum	Tolerance			
2009	RISK AREA 05	SILAGE CORN	39M26 (PIONEER) (RT)	Below	Minimum	Tolerance			
2009	RISK AREA 05	SILAGE CORN	39V05 (PIONEER) (RT)	Below	Minimum	Tolerance			
2009	RISK AREA 05	SILAGE CORN	39V07 (PIONEER) (BT)(LT)(RT)	Below	Minimum	Tolerance			
2009	RISK AREA 05	SILAGE CORN	39Z69 (PIONEER) (BT)(RT)	Below	Minimum	Tolerance			
2010	RISK AREA 05	SILAGE CORN	A4176BTRR (PRIDE) (BT)(RT)	Below	Minimum	Tolerance			
2010	RISK AREA 05	SILAGE CORN	DEKALB DKC30-02	Below	Minimum	Tolerance			
2010	RISK AREA 05	SILAGE CORN	DKC26-78 (DEKALB) (RT)	Below	Minimum	Tolerance			
2010	RISK AREA 05	SILAGE CORN	DKC26-79 (DEKALB) (BT)(RT)	Below	Minimum	Tolerance			
2010	RISK AREA 05	SILAGE CORN	DKC27-12 (DEKALB) (RT)	Below	Minimum	Tolerance			
2010	RISK AREA 05	SILAGE CORN	DKC27-44 (DEKALB) (RT)	Below	Minimum	Tolerance			
2010	RISK AREA 05	SILAGE CORN	DKC27-45 (DEKALB) (BT)(RT)	Below	Minimum	Tolerance			
2010	RISK AREA 05	SILAGE CORN	DKC30-20 (DEKALB) (BT)(RT)	Below	Minimum	Tolerance			
2010	RISK AREA 05	SILAGE CORN	DKC30-23 (DEKALB) (RT)	Below	Minimum	Tolerance			
2010	RISK AREA 05	SILAGE CORN	FUSION RR (ELITE) (RT)	Below	Minimum	Tolerance			
2010	RISK AREA 05	SILAGE CORN	HL B22R (HYLAND) (BT)(RT)	Below	Minimum	Tolerance			
2010	RISK AREA 05	SILAGE CORN	HL SR06 (HYLAND) (RT)	Below	Minimum	Tolerance			
2010	RISK AREA 05	SILAGE CORN	HL SR22 (HYLAND) (RT)	Below	Minimum	Tolerance			
2010	RISK AREA 05	SILAGE CORN	HL SR35 (HYLAND)	Below	Minimum	Tolerance			
2010	RISK AREA 05	SILAGE CORN	NO VAR	Below	Minimum	Tolerance			
2010	RISK AREA 05	SILAGE CORN	PICKSEED 2365 (RT)	Below	Minimum	Tolerance			
2010	RISK AREA 05	SILAGE CORN	PS 2501RR (PICKSEED) (RT)	Below	Minimum	Tolerance			
2010	RISK AREA 05	SILAGE CORN	PS2601RR (PICKSEED) (RT)	Below	Minimum	Tolerance			
2010	RISK AREA 05	SILAGE CORN	P7535HR (PIONEER) (RT)	Below	Minimum	Tolerance			
2010	RISK AREA 05	SILAGE CORN	SILEX BTRR (PICKSEED) (BT)(RT)	Below	Minimum	Tolerance			
2010	RISK AREA 05	SILAGE CORN	TUNDRA RR (ELITE) (RT)	Below	Minimum	Tolerance			
2010	RISK AREA 05	SILAGE CORN	39B64 (PIONEER) (RT)	Below	Minimum	Tolerance			
2010	RISK AREA 05	SILAGE CORN	39B90 (PIONEER) (RT)	Below	Minimum	Tolerance			
2010	RISK AREA 05	SILAGE CORN	39B94 (PIONEER) (BT)(LT)(RT)	Below	Minimum	Tolerance			
2010	RISK AREA 05	SILAGE CORN	39D95 (PIONEER) (BT)(LT)(RT)	Below	Minimum	Tolerance			
2010	RISK AREA 05	SILAGE CORN	39D97 (PIONEER) (BT)(LT)(RT)	Below	Minimum	Tolerance			
2010	RISK AREA 05	SILAGE CORN	39H83 (PIONEER) (RT)	Below	Minimum	Tolerance			
2010	RISK AREA 05	SILAGE CORN	39V05 (PIONEER) (RT)	Below	Minimum	Tolerance			
2010	RISK AREA 05	SILAGE CORN	39V07 (PIONEER) (BT)(LT)(RT)	Below	Minimum	Tolerance			
2010	RISK AREA 05	SILAGE CORN	39Z69 (PIONEER) (BT)(RT)	Below	Minimum	Tolerance			
2010	RISK AREA 05	SILAGE CORN	91B18 (ELITE) (BT)(RT)	Below	Minimum	Tolerance			
2011	RISK AREA 05	SILAGE CORN	BAXXOS RR (HYLAND) (RT)	Below	Minimum	Tolerance			
2011	RISK AREA 05	SILAGE CORN	DKC26-78 (DEKALB) (RT)	Below	Minimum	Tolerance			
2011	RISK AREA 05	SILAGE CORN	DKC26-79 (DEKALB) (BT)(RT)	Below	Minimum	Tolerance			
2011	RISK AREA 05	SILAGE CORN	DKC27-12 (DEKALB) (RT)	Below	Minimum	Tolerance			
2011	RISK AREA 05	SILAGE CORN	DKC27-44 (DEKALB) (RT)	Below	Minimum	Tolerance			
2011	RISK AREA 05	SILAGE CORN	DKC27-45 (DEKALB) (BT)(RT)	Below	Minimum	Tolerance			
2011	RISK AREA 05	SILAGE CORN	DKC27-54 (DEKALB)	Below	Minimum	Tolerance			
2011	RISK AREA 05	SILAGE CORN	DKC30-20 (DEKALB) (BT)(RT)	Below	Minimum	Tolerance			
2011	RISK AREA 05	SILAGE CORN	DKC33-72 (DEKALB) (RT)	Below	Minimum	Tolerance			
2011	RISK AREA 05	SILAGE CORN	DK220 (DEKALB)	Below	Minimum	Tolerance			
2011	RISK AREA 05	SILAGE CORN	FUSION RR (ELITE) (RT)	Below	Minimum	Tolerance			
2011	RISK AREA 05	SILAGE CORN	HL B18R (HYLAND) (BT)(RT)	Below	Minimum	Tolerance			
2011	RISK AREA 05	SILAGE CORN	HL R219 (DOW) (RT)	Below	Minimum	Tolerance			
2011	RISK AREA 05	SILAGE CORN	HL SR22 (HYLAND) (RT)	Below	Minimum	Tolerance			
2011	RISK AREA 05	SILAGE CORN	HL SR35 (DOW SEEDS)(RT)	Below	Minimum	Tolerance			
2011	RISK AREA 05	SILAGE CORN	NO VAR	Below	Minimum	Tolerance			
2011	RISK AREA 05	SILAGE CORN	N11-F4 (SYNGENTA)	Below	Minimum	Tolerance			
2011	RISK AREA 05	SILAGE CORN	PS 2501RR (PICKSEED) (RT)	Below	Minimum	Tolerance			
2011	RISK AREA 05	SILAGE CORN	P7535HR (PIONEER) (RT)	Below	Minimum	Tolerance			
2011	RISK AREA 05	SILAGE CORN	P8107HR (PIONEER) (BT)(LT)(RT)	Below	Minimum	Tolerance			
2011	RISK AREA 05	SILAGE CORN	SILEX BTRR (PICKSEED) (BT)(RT)	Below	Minimum	Tolerance			
2011	RISK AREA 05	SILAGE CORN	TUNDRA RR (ELITE) (RT)	Below	Minimum	Tolerance			
2011	RISK AREA 05	SILAGE CORN	39B90 (PIONEER) (RT)	Below	Minimum	Tolerance			
2011	RISK AREA 05	SILAGE CORN	39D95 (PIONEER) (BT)(LT)(RT)	Below	Minimum	Tolerance			
2011	RISK AREA 05	SILAGE CORN	39D97 (PIONEER) (BT)(LT)(RT)	Below	Minimum	Tolerance			
2011	RISK AREA 05	SILAGE CORN	39K19 (PIONEER)	Below	Minimum	Tolerance			
2012	RISK AREA 05	SILAGE CORN	A4176BTRR (PRIDE) (BT)(RT)	Below	Minimum	Tolerance			
2012	RISK AREA 05	SILAGE CORN	BAXXOS RR (HYLAND) (RT)	Below	Minimum	Tolerance			
2012	RISK AREA 05	SILAGE CORN	DKC26-25 (DEKALB) (RT)	Below	Minimum	Tolerance			
2012	RISK AREA 05	SILAGE CORN	DKC26-78 (DEKALB) (RT)	Below	Minimum	Tolerance			
2012	RISK AREA 05	SILAGE CORN	DKC26-79 (DEKALB) (BT)(RT)	Below	Minimum	Tolerance			
2012	RISK AREA 05	SILAGE CORN	DKC27-45 (DEKALB) (BT)(RT)	Below	Minimum	Tolerance			
2012	RISK AREA 05	SILAGE CORN	DKC27-54 (DEKALB)	Below	Minimum	Tolerance			
2012	RISK AREA 05	SILAGE CORN	DK221 (DEKALB)	Below	Minimum	Tolerance			
2012	RISK AREA 05	SILAGE CORN	EDGE R (ELITE) (RT)	Below	Minimum	Tolerance			



2015 RISK AREA 05	SILAGE CORN	P7443R (PIONEER) (RT)	Below	Minimum	Tolerance
2015 RISK AREA 05	SILAGE CORN	P7632HR (PIONEER) (BT)(RT)	Below	Minimum	Tolerance
2015 RISK AREA 05	SILAGE CORN	P8185 (PIONEER) (RT)	Below	Minimum	Tolerance
2015 RISK AREA 05	SILAGE CORN	P8581R (PIONEER) (RT)	Below	Minimum	Tolerance
2015 RISK AREA 05	SILAGE CORN	SILEX BTRR (PICKSEED) (BT)(RT)	Below	Minimum	Tolerance
2015 RISK AREA 05	SILAGE CORN	2219RR (PICKSEED) (RT)	Below	Minimum	Tolerance
2015 RISK AREA 05	SILAGE CORN	2656 (PICKSEED)	Below	Minimum	Tolerance
2015 RISK AREA 05	SILAGE CORN	3093 (HYLAND) (RT)	Below	Minimum	Tolerance
2015 RISK AREA 05	SILAGE CORN	39B90 (PIONEER) (RT)	Below	Minimum	Tolerance
2015 RISK AREA 05	SILAGE CORN	39B96 (PIONEER) (BT)(LT)	Below	Minimum	Tolerance
2015 RISK AREA 05	SILAGE CORN	39D95 (PIONEER) (BT)(LT)(RT)	Below	Minimum	Tolerance
2015 RISK AREA 05	SILAGE CORN	39D97 (PIONEER) (BT)(LT)(RT)	Below	Minimum	Tolerance
2015 RISK AREA 05	SILAGE CORN	39V05 (PIONEER) (RT)	Below	Minimum	Tolerance
2015 RISK AREA 05	SILAGE CORN	39Z69 (PIONEER) (BT)(RT)	Below	Minimum	Tolerance
2015 RISK AREA 05	SILAGE CORN	3905 (PIONEER)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	AS1047RR EDF (PRIDE)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	A4414RR (PRIDE) (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	A4415G2 RIB (PRIDE) (RIB)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	A4705HMRR (PRIDE) (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	A5095G2 RIB (PRIDE SEEDS) (VT2P)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	DKC27-32 (DEKALB) (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	DKC27-44 (DEKALB) (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	DKC27-54 (DEKALB)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	DKC27-55 (DEKALB) (LT)(RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	DKC30-07 (DEKALB) (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	DKC30-23 (DEKALB) (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	DKC31-07 (DEKALB) (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	DL 1197 (DE DELL)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	HL R219 (DOW) (RT))	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	HL SR35 (DOW SEEDS)(RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	HL S011 (HYLAND)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	HL 2190 (HYLAND)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	HL 3085 (HYLAND) (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	LF 728R (MAIZEX) (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	LF 730CBR (MAIZEX)(GENUITY)(VT TRI PRO)(	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	LR 9676VT2PRIB (DELMAR COMMODITIES) (VT2	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	PS 2210VT2P RIB (DLF PICKSEED CANADA)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	PS 2501RR (PICKSEED) (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	P7332R (PIONEER) (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	P7443R (PIONEER) (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	P7632AM (PIONEER) (BT)(LT)(RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	P7632HR (PIONEER) (BT)(RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	P8107HR (PIONEER) (BT)(LT)(RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	P8210HR (PIONEER) (BT)(LT)(RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	P8581R (PIONEER) (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	TUNDRA RR (ELITE) (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	YUKON R (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	2219RR (PICKSEED) (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	2622RR (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	39B90 (PIONEER) (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	39D95 (PIONEER) (BT)(LT)(RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	39D97 (PIONEER) (BT)(LT)(RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	39V05 (PIONEER) (RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	39V09AM (DUPONT PIONEER)(BT)(HX1)(LT)(RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	39Z69 (PIONEER) (BT)(RT)	Below	Minimum	Tolerance
2016 RISK AREA 05	SILAGE CORN	3940 (PIONEER)  X0804H	Below	Minimum	Tolerance
2017 RISK AREA 05	SILAGE CORN	AS1047RR EDF (PRIDE)	Below	Minimum	Tolerance
2017 RISK AREA 05	SILAGE CORN	A4099RR (PRIDE SEEDS) (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	SILAGE CORN	A4176BTRR (PRIDE) (BT)(RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	SILAGE CORN	A4177G3 (PRIDE) (RIB)	Below	Minimum	Tolerance
2017 RISK AREA 05	SILAGE CORN	A4415G2 RIB (PRIDE) (RIB)	Below	Minimum	Tolerance
2017 RISK AREA 05	SILAGE CORN	A4705HMRR (PRIDE) (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	SILAGE CORN	A4950RR (PRIDE) (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	SILAGE CORN	BAXXOS RR (HYLAND) (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	SILAGE CORN	DKC23-17RIB (DEKALB) (GENV2P)	Below	Minimum	Tolerance
2017 RISK AREA 05	SILAGE CORN	DKC26-28RIB (DEKALB) (BT)(RIB)(RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	SILAGE CORN	DKC27-12 (DEKALB) (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	SILAGE CORN	DKC27-54 (DEKALB)	Below	Minimum	Tolerance
2017 RISK AREA 05	SILAGE CORN	DKC30-07 (DEKALB) (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	SILAGE CORN	DL 1197 (DE DELL)	Below	Minimum	Tolerance
2017 RISK AREA 05	SILAGE CORN	HL SR35 (DOW SEEDS)(RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	SILAGE CORN	HL S011 (HYLAND)	Below	Minimum	Tolerance
2017 RISK AREA 05	SILAGE CORN	HL 2120 (HYLAND)	Below	Minimum	Tolerance
2017 RISK AREA 05	SILAGE CORN	HL 3085 (HYLAND) (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	SILAGE CORN	LF 728R (MAIZEX) (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	SILAGE CORN	NO VAR	Below	Minimum	Tolerance
2017 RISK AREA 05	SILAGE CORN	PS 2210VT2P RIB (DLF PICKSEED CANADA)	Below	Minimum	Tolerance
2017 RISK AREA 05	SILAGE CORN	PS 2262RR (PICKSEED) (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	SILAGE CORN	PS 2263VT2P RIB (PICKSEED) (RT)(RIB)	Below	Minimum	Tolerance
2017 RISK AREA 05	SILAGE CORN	PS 2320RR (PICKSEED) (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	SILAGE CORN	PS 2501RR (PICKSEED) (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	SILAGE CORN	P7202AM (PIONEER) (BT)(HX1)(LT)(RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	SILAGE CORN	P7211HR (PIONEER)	Below	Minimum	Tolerance
2017 RISK AREA 05	SILAGE CORN	P7632AM (PIONEER) (BT)(LT)(RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	SILAGE CORN	TH 4126 RR (THUNDER) (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	SILAGE CORN	TMF8106RA (DOW)	Below	Minimum	Tolerance
2017 RISK AREA 05	SILAGE CORN	TMF86H77RA (DOW)	Below	Minimum	Tolerance
2017 RISK AREA 05	SILAGE CORN	2350 (CO-OP)	Below	Minimum	Tolerance
2017 RISK AREA 05	SILAGE CORN	39B90 (PIONEER) (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	SILAGE CORN	39D95 (PIONEER) (BT)(LT)(RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	SILAGE CORN	39V05 (PIONEER) (RT)	Below	Minimum	Tolerance
2017 RISK AREA 05	SILAGE CORN	3990 (PIONEER)	Below	Minimum	Tolerance
2017 RISK AREA 05	SILAGE CORN	4085 (DOW SEEDS) (HXT)(LT)(RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	A4414RR (PRIDE) (RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	A4415G2 RIB (PRIDE) (RIB)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	A4705HMRR (PRIDE) (RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	A4741HM (PRIDE)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	DKC26-28RIB (DEKALB) (BT)(RIB)(RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	DKC27-54 (DEKALB)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	DKC30-07 (DEKALB) (RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	DKC31-09RIB (DEKALB) (RIB)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	DKC32-12RIB (DEKALB) (RIB)(RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	DKC33-78 RIB (DEKALB) (RIB)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	DK34-57RIB (DEKALB) (RIB)(RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	DL 1197 (DE DELL)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	DS 79C56 (DOW) (2,4-D) (RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	DS83T15 (DOW) (RR2)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	HL R219 (DOW) (RT))	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	HLS 4302 (HYLAND) (HX1)(LT)(RT)	Below	Minimum	Tolerance



2018 RISK AREA 05	SILAGE CORN	LF 728R (MAIZEX) (RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	LR 9074 RB (QUARRY) (BT)(RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	LR 9473 RR (LEGEND) (RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	LR 9579RR (LEGEND) (RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	LR 9779RB (LEGEND) (BT)(RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	MS 7420R (MAIZEX) (RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	PS 2320RR (PCIKSEED) (RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	PS 2332 (PCIKSEED)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	PS 2420RR (PICKSEED) (RR2)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	PS 2501RR (PICKSEED) (RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	P7332R (PIONEER) (RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	P7527AM (PIONEER) (LT)(RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	P7535R (PIONEER) (RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	P7632AM (PIONEER) (BT)(LT)(RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	P7958YHR (PIONEER) (HX1)(LT)(RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	P8387AM (PIONEER)(BT)(HX1)(LT)(RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	TH 4126 RR (THUNDER) (RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	TH 4188 RR (THUNDER SEED) (RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	TMF8106RA (DOW)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	TMF86H77RA (DOW)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	3175 (DOW) (RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	39B90 (PIONEER) (RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	39D95 (PIONEER) (BT)(LT)(RT)	Below	Minimum	Tolerance
2018 RISK AREA 05	SILAGE CORN	39V09AM (DUPONT PIONEER)(BT)(HX1)(LT)(RT)	Below	Minimum	Tolerance
2019 RISK AREA 05	SILAGE CORN	AS 1037RR EDF (PRIDE) (RT)	Below	Minimum	Tolerance
2019 RISK AREA 05	SILAGE CORN	A4199G2 RIB (PRIDE SEEDS) (VT2P)	Below	Minimum	Tolerance
2019 RISK AREA 05	SILAGE CORN	A4477HM (PRIDE)	Below	Minimum	Tolerance
2019 RISK AREA 05	SILAGE CORN	A4646G2 RIB (PRIDE) (LT)(RT)	Below	Minimum	Tolerance
2019 RISK AREA 05	SILAGE CORN	A4705HMRR (PRIDE) (RT)	Below	Minimum	Tolerance
2019 RISK AREA 05	SILAGE CORN	A4741HM (PRIDE)	Below	Minimum	Tolerance
2019 RISK AREA 05	SILAGE CORN	DKC26-40 (DEKALB) (RIB)	Below	Minimum	Tolerance
2019 RISK AREA 05	SILAGE CORN	DKC30-07 (DEKALB) (RT)	Below	Minimum	Tolerance
2019 RISK AREA 05	SILAGE CORN	DKC31-09RIB (DEKALB) (RIB)	Below	Minimum	Tolerance
2019 RISK AREA 05	SILAGE CORN	DKC32-12RIB (DEKALB) (RIB)(RT)	Below	Minimum	Tolerance
2019 RISK AREA 05	SILAGE CORN	DL 1111 (DE DELL)	Below	Minimum	Tolerance
2019 RISK AREA 05	SILAGE CORN	HZ 2853 (HORIZON) (AGRISURE)	Below	Minimum	Tolerance
2019 RISK AREA 05	SILAGE CORN	LF 728R (MAIZEX) (RT)	Below	Minimum	Tolerance
2019 RISK AREA 05	SILAGE CORN	LR 9474 VT2PRIB (LEGEND) (RT)(RIB)	Below	Minimum	Tolerance
2019 RISK AREA 05	SILAGE CORN	LR 9583 VT2PRIB (LEGEND) (RT)(RIB)	Below	Minimum	Tolerance
2019 RISK AREA 05	SILAGE CORN	LR 9779RB (LEGEND) (BT)(RT)	Below	Minimum	Tolerance
2019 RISK AREA 05	SILAGE CORN	MS 7420R (MAIZEX) (RT)	Below	Minimum	Tolerance
2019 RISK AREA 05	SILAGE CORN	NO VAR	Below	Minimum	Tolerance
2019 RISK AREA 05	SILAGE CORN	PS 2320RR (PCIKSEED) (RT)	Below	Minimum	Tolerance
2019 RISK AREA 05	SILAGE CORN	PS 2420RR (PICKSEED) (RR2)	Below	Minimum	Tolerance
2019 RISK AREA 05	SILAGE CORN	P7211HR (PIONEER)	Below	Minimum	Tolerance
2019 RISK AREA 05	SILAGE CORN	P7227R (PIONEER) (RR2)	Below	Minimum	Tolerance
2019 RISK AREA 05	SILAGE CORN	P7527AM (PIONEER) (LT)(RT)	Below	Minimum	Tolerance
2019 RISK AREA 05	SILAGE CORN	P7958YHR (PIONEER) (HX1)(LT)(RT)	Below	Minimum	Tolerance
2019 RISK AREA 05	SILAGE CORN	P8387AM (PIONEER)(BT)(HX1)(LT)(RT)	Below	Minimum	Tolerance
2019 RISK AREA 05	SILAGE CORN	P8542AM (PIONEER)(BT)(HX1)(LT)(RT)	Below	Minimum	Tolerance
2019 RISK AREA 05	SILAGE CORN	TH 3378 (THUNDER)	Below	Minimum	Tolerance
2019 RISK AREA 05	SILAGE CORN	TH 4126 RR (THUNDER) (RT)	Below	Minimum	Tolerance
2019 RISK AREA 05	SILAGE CORN	TH 6875 VT2P (THUNDER) (RT)(RIB)	Below	Minimum	Tolerance
2019 RISK AREA 05	SILAGE CORN	TH 7578 VT2P RIB (THUNDER)(RIB)	Below	Minimum	Tolerance
2019 RISK AREA 05	SILAGE CORN	1108 (PRIDE)	Below	Minimum	Tolerance
2019 RISK AREA 05	SILAGE CORN	16-06 RR (MAIZEX) (RT)	Below	Minimum	Tolerance
2019 RISK AREA 05	SILAGE CORN	39B90 (PIONEER) (RT)	Below	Minimum	Tolerance
2019 RISK AREA 05	SILAGE CORN	39V05 (PIONEER) (RT)	Below	Minimum	Tolerance
2019 RISK AREA 05	SILAGE CORN	39V09AM (DUPONT PIONEER)(BT)(HX1)(LT)(RT)	Below	Minimum	Tolerance



## Platinum Member - Canada's Best Managed Companies

### Our Vision

We will be the BEST Canadian Food Company in the World

### Core Values

- Teamwork
- **Do What We Say, Say What We Do**
- **Open Door Policy**
- **Respecting People**
- **Respecting Animals**
- **Turning** Challenges into Opportunities
- **Empowering People**
- **Striving to be the Best**
- **Community Partners**
- **Get 'er Done**
- **Sustainable Profitability**
- **Work Hard, Play Hard**
- **Work Safe**

### Mission Statement

We take care of our employees, our customers and our communities.