



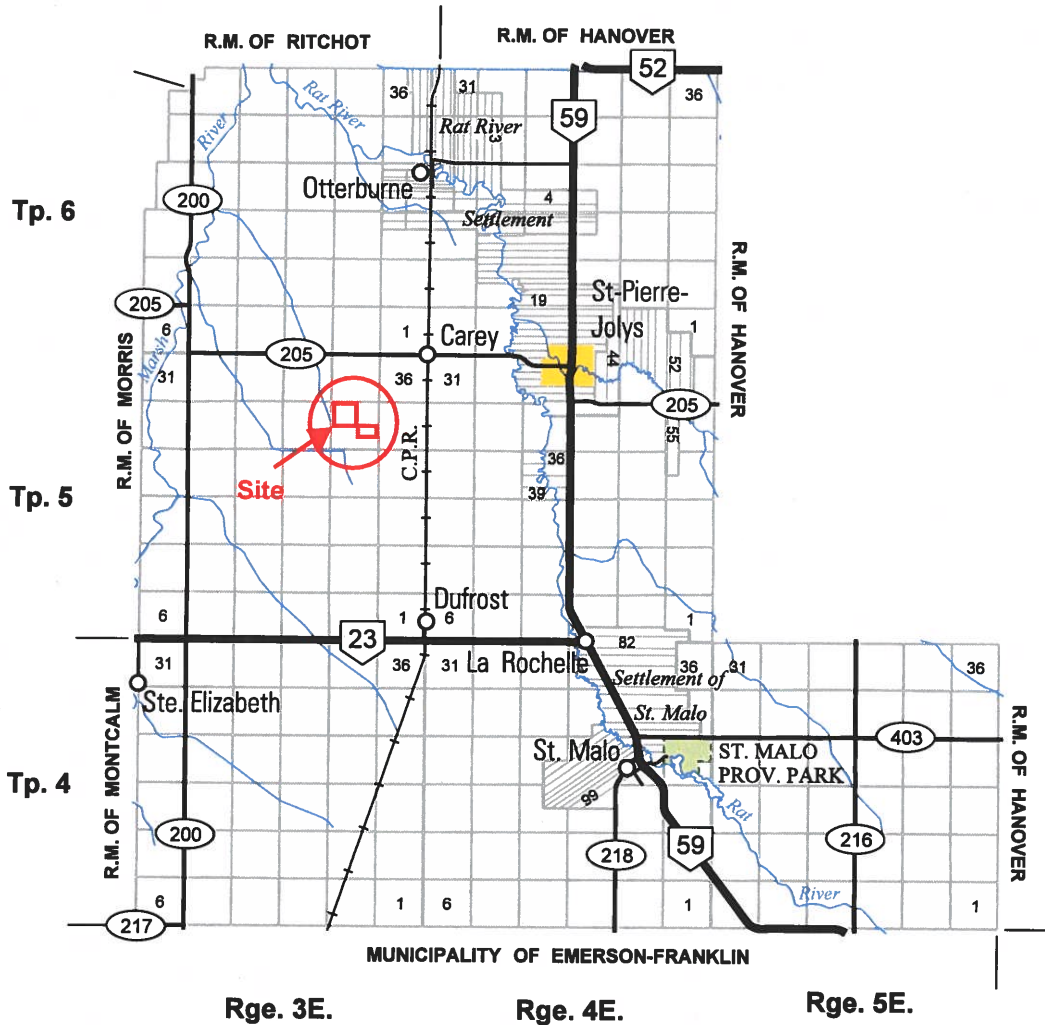
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SCALE IN KILOMETRES

R.M. OF DE SALABERRY

PROVINCE OF MANITOBA
INFRASTRUCTURE
HIGHWAY PLANNING AND DESIGN BRANCH
GEOGRAPHIC & RECORDS MANAGEMENT SECTION
WINNIPEG
JANUARY 1, 2015

LEGEND

PROVINCIAL TRUNK HIGHWAYS		ACCESS ROADS	
PROVINCIAL ROADS		RAILWAYS	



Corey Colony Ltd
NW 26-5-3E and N1/2 of SE 26-5-3E
RM of De Salaberry

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 ¹	Current Animal Units	Proposed Number of Animals ²	Proposed Number of Animal Units
Dairy ³	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		-	900	1,125
	Sows - farrow to weanling (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		-		-
	Growers / Finishers (51-249 lbs)	0.143	2,000	286		-
Chickens	Broilers	0.005		-		-
	Roasters	0.01		-		-
	Layers	0.0083		-	24,800	206
	Pullets	0.0033		-	12,400	41
	Broiler breeder pullets	0.0033		-		-
	Broiler breeder hens	0.01		-		-
Turkeys	Broilers	0.01		-		-
	Heavy Toms	0.02		-		-
	Heavy Hens	0.01	9,000	90	9,000	90
Horses	Mares	1.333		-		-
Sheep	Ewes	0.2		-		-
	Feeder lambs	0.063		-		-
Other Livestock	Type:			-		-
	Type:			-		-
Total Current:				376	Total Proposed:	1,462

Footnotes:

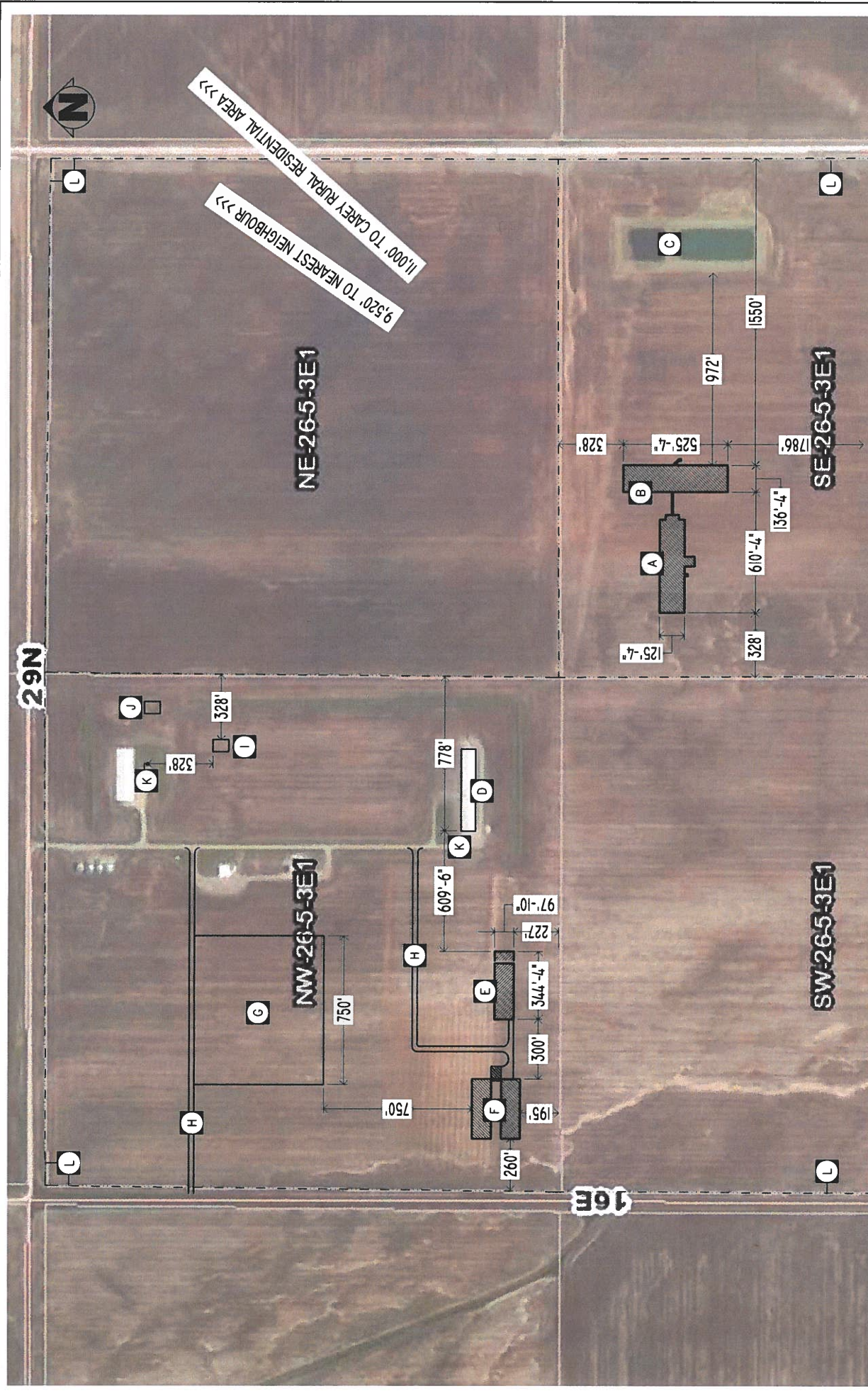
¹ Enter the current number of animals on the farm based on the operation's capacity (animal places) or previous Conditional Use Approval.

² Enter the total number of animals associated with the operation post construction or expansion.

³ 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 the Manitoba Agriculture Contacts





ALPHABETICAL NOTES APPLY ONLY TO THIS SHEET

- A FARROW NURSERY BARN;
- B FINISHER BARN;
- C EXISTING EARTHEN MANURE STORAGE;
- D EXISTING TURKEY BARN;
- E PROPOSED PULLET BARN;
- F PROPOSED LAYER BARN;
- G PROPOSED RESIDENTIAL DEVELOPMENT;
- H NEW ROAD;
- I PROPOSED COMPOST SITE;
- J EXISTING COMPOST SITE;
- K WELL;
- L PROPERTY LINES;

6-851 Logansville Blvd | Winnipeg, Manitoba | R2J 3K4
 PH: (204) 948-9652 | FAX: (204) 948-9204

PROJECT NAME	CAREY COLONY LTD. PULLET/LAYER BARN
SHEET TITLE	SITE PLAN
DATE DRAWN	APRIL 2018
BUILDING AREA	N/A
DRAWN BY	R. FLORES SOUTH-MAN ENGINEERING
DRAWING SCALE	SCALED TO FIT
SHEET NUMBER	SP-1

THIS DRAWING IS THE PROPERTY OF SOUTH-MAN ENGINEERING, WINNIPEG, MANITOBA, CANADA.

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Water Requirement Calculation Table

Livestock	Number	IG/day per animal in winter	IG/day per animal in summer	IG/day (Imperial gallons per day)
Beef/Dairy/Bison *				
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	-
Horses				
Horses		8	11	-
Hogs				
Sow (Farrow/wean)	163	6.5		1,060
Dry Sow/Boar	947	4		3,788
Feeder	7,344	3		22,032
Nursery (33 lb.)	2,448	2		4,896
Chickens				
Broilers		0.035		-
Roasters/Pullets	12,400	0.04		496
Layers	24,800	0.055		1,364
Breeders		0.07		-
Turkeys				
Turkey Growers		0.13		-
Turkey Heavies	9,000	0.16		1,440
Sheep/Goats				
Sheep/Goats		2		-
Ewes/Does		3		-
Lambs/Kids (90 lb.)		1.6		-
TOTAL (IG/day)				35,076
*** TOTAL with 10% wash water				38,583

* 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 Estimator found on separate sheet.

Enter this number on page 7 of Application Form.

*** 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
38,583	14,082,813	IG
159,453	58,200,426	litres
0.159	58	cubic decametres (dam ³)


Enter this number on page 7 of Application Form.

Conversion Factor: 1 IGPM = 4.546 l/m

in for your map.



LEGEND:

-  - PROJECT SITE
 - R - RESIDENCE
 - NR - NEAREST NEIGHBOR (APPROX 1.96MILES)
 - - 3KM NOTIFICATION AREA
- FOR THE PUBLIC CONDITIONAL USE HEARING



**South-Man
Engineering**

e-651 LaSalle Blvd | Winnipeg, Manitoba | R3J 3K4
PH: (204) 668-9652 | FAX: (204) 668-9204

PROJECT NAME CAREY COLONY LTD. PULLET/LAYER BARN	BUILDING AREA N/A
SHEET TITLE LAND USE MAP	DRAWN BY R. FLORES SOUTH-MAN ENGINEERING
DATE DRAWN APRIL 2018	DRAWING SCALE SCALED TO FIT
SHEET NUMBER SP-2A	
THIS DRAWING IS THE PROPERTY OF SOUTH-MAN ENGINEERING, WINNIPEG, MANITOBA, CANADA.	

Search Summary

41 records returned

862 farm varieties grown on **199,848.0** acres

Average Yield

0.866 Tonnes (**38.2** Bushels) per acre

Average Fertilizer Application

Nitrogen: **115.8** lbs per acre

Phosphorus: **32.7** lbs per acre

Potassium: **1.9** lbs per acre

Sulphur: **11.9** lbs per acre

Select Year Range



Showing 1 to 41 of 41 entries

Year	Risk Area / R.M.	Crop	Soil	Farms	Acres	Yield/acre (Imperial) ▼	Nitrogen (lbs)	Phosphorus (lbs)	Potassium (lbs)	Sulphur (lbs)
2017	DESALABERRY	ARGENTINE CANOLA	D	24	4,787.0	54.1 Bushels	127.9	37.1	0.0	12.7
2013	DESALABERRY	ARGENTINE CANOLA	C	20	3,618.0	53.0 Bushels	115.7	28.7	1.1	10.8
2017	DESALABERRY	ARGENTINE CANOLA	E	26	5,768.0	52.9 Bushels	120.0	34.3	3.1	12.9
2013	DESALABERRY	ARGENTINE CANOLA	D	31	7,329.0	52.3 Bushels	118.4	31.8	1.3	11.7
2017	DESALABERRY	ARGENTINE CANOLA	C	14	2,188.0	50.5 Bushels	122.3	33.4	0.5	10.7
2013	DESALABERRY	ARGENTINE CANOLA	E	28	6,820.0	50.1 Bushels	125.5	33.1	0.2	13.6
2014	DESALABERRY	ARGENTINE CANOLA	D	32	6,201.0	48.8 Bushels	129.3	36.9	1.5	11.7
2014	DESALABERRY	ARGENTINE CANOLA	C	21	4,219.0	46.8 Bushels	124.8	35.2	1.1	9.2
2008	DESALABERRY	ARGENTINE CANOLA	C	26	4,895.0	45.6 Bushels	105.6	29.8	1.7	10.8
2014	DESALABERRY	ARGENTINE CANOLA	E	29	7,106.0	45.6 Bushels	120.1	31.4	0.4	12.0
2008	DESALABERRY	ARGENTINE CANOLA	D	37	8,593.0	40.8 Bushels	108.2	29.7	1.4	10.1
2016	DESALABERRY	ARGENTINE CANOLA	C	18	2,961.0	39.9 Bushels	112.5	32.9	4.8	11.2
2009	DESALABERRY	ARGENTINE CANOLA	C	25	3,844.0	37.9 Bushels	111.1	31.9	3.8	11.2

Select Year Range



2008 to 2017

Search

Search Summary

43 records returned

401 farm varieties grown on 66,099.0 acres

Average Yield

1.919 Tonnes (124.4 Bushels) per acre

Average Fertilizer Application

Nitrogen: 91.6 lbs per acre

Phosphorus: 31.8 lbs per acre

Potassium: 3.7 lbs per acre

Sulphur: 2.5 lbs per acre

Showing 1 to 43 of 43 entries

Year	Risk Area / R.M.	Crop	Soil	Farms	Acres	Yield/acre (Imperial)	Nitrogen (lbs)	Phosphorus (lbs)	Potassium (lbs)	Sulphur (lbs)
2017	DESALABERRY	OATS	E	16	3,893.0	166.8 Bushels	101.7	37.5	4.4	1.4
2017	DESALABERRY	OATS	C	9	1,269.0	162.1 Bushels	104.7	36.0	1.8	1.5
2017	DESALABERRY	OATS	D	14	2,002.0	158.3 Bushels	110.4	36.4	3.8	0.7
2013	DESALABERRY	OATS	E	7	1,265.0	152.1 Bushels	96.8	30.9	4.6	3.4
2014	DESALABERRY	OATS	D	17	2,971.0	147.5 Bushels	97.0	35.3	2.2	3.2
2013	DESALABERRY	OATS	C	5	534.0	142.5 Bushels	97.2	36.3	0.0	1.2
2013	DESALABERRY	OATS	D	9	1,812.0	141.1 Bushels	99.8	35.3	3.1	1.5
2014	DESALABERRY	OATS	E	11	2,041.0	139.6 Bushels	104.0	35.3	5.8	2.3
2014	DESALABERRY	OATS	C	11	1,099.0	139.2 Bushels	89.2	31.5	0.8	1.6
2015	DESALABERRY	OATS	D	12	2,009.0	136.4 Bushels	114.7	35.2	2.7	2.9
2010	DESALABERRY	OATS	D	11	1,487.0	134.5 Bushels	89.7	33.4	0.4	0.0
2016	DESALABERRY	OATS	D	11	2,044.0	134.3 Bushels	100.0	39.1	0.1	2.8
2008	DESALABERRY	OATS	D	21	3,965.0	132.6 Bushels	81.5	28.7	4.2	0.5

Select Year Range



2008 to 2017

Search

Search Summary

38 records returned

405 farm varieties grown on 94,633.0 acres

Average Yield

0.995 Tonnes (36.6 Bushels) per acre

Average Fertilizer Application

Nitrogen: 5.8 lbs per acre

Phosphorus: 29.0 lbs per acre

Potassium: 1.4 lbs per acre

Sulphur: 1.8 lbs per acre

Showing 1 to 38 of 38 entries

Year	Risk Area / R.M.	Crop	Soil	Farms	Acres	Yield/acre (Imperial)	Nitrogen (lbs)	Phosphorus (lbs)	Potassium (lbs)	Sulphur (lbs)	First	Previous	Next	Last
2016	DESALABERRY	SOYBEANS	D	20	5,468.0	46.0 Bushels	2.1	37.0	0.6	0.7				
2016	DESALABERRY	SOYBEANS	E	20	7,082.0	44.5 Bushels	2.1	33.0	0.1	2.2				
2013	DESALABERRY	SOYBEANS	C	11	1,525.0	42.8 Bushels	5.4	18.3	4.6	2.1				
2013	DESALABERRY	SOYBEANS	D	18	4,266.0	42.6 Bushels	4.3	24.0	5.0	2.2				
2016	DESALABERRY	SOYBEANS	C	12	2,054.0	40.9 Bushels	7.0	40.7	0.2	2.3				
2014	DESALABERRY	SOYBEANS	C	11	2,294.0	40.7 Bushels	5.1	30.3	1.1	3.0				
2013	DESALABERRY	SOYBEANS	E	14	4,195.0	39.7 Bushels	1.2	25.1	5.7	0.4				
2010	DESALABERRY	SOYBEANS	C	9	1,169.0	38.5 Bushels	5.6	18.6	0.0	0.3				
2015	DESALABERRY	SOYBEANS	D	17	3,496.0	38.0 Bushels	1.9	32.8	0.7	2.0				
2014	DESALABERRY	SOYBEANS	D	16	3,935.0	37.3 Bushels	17.4	34.4	0.6	2.1				
2010	DESALABERRY	SOYBEANS	E	6	925.0	36.6 Bushels	6.2	21.0	0.0	0.0				
2015	DESALABERRY	SOYBEANS	C	15	2,745.0	36.6 Bushels	5.1	33.8	0.0	2.8				
2009	DESALABERRY	SOYBEANS	C	8	2,079.0	36.4 Bushels	2.3	16.4	0.7	0.7				

Select Year Range



2008 to 2017

Search

Search Summary

38 records returned

775 farm varieties grown on **159,496.0** acres

Average Yield

1.547 Tonnes (**56.9** Bushels) per acre

Average Fertilizer Application

Nitrogen: **107.7** lbs per acre

Phosphorus: **32.4** lbs per acre

Potassium: **3.9** lbs per acre

Sulphur: **3.0** lbs per acre

Showing 1 to 38 of 38 entries

Year	Risk Area / R.M.	Crop	Soil	Farms	Acres	Yield/acre (Imperial)	Nitrogen (lbs)	Phosphorus (lbs)	Potassium (lbs)	Sulphur (lbs)	First	Previous	Next	Last
2017	DESALABERRY	RED SPRING WHEAT	C	16	2,327.0	80.4 Bushels	115.6	36.0	4.9	3.4				
2017	DESALABERRY	RED SPRING WHEAT	D	23	5,950.0	78.7 Bushels	108.6	35.2	5.3	3.8				
2017	DESALABERRY	RED SPRING WHEAT	E	20	4,913.0	78.5 Bushels	123.5	38.4	1.5	3.6				
2014	DESALABERRY	RED SPRING WHEAT	C	14	1,388.0	69.9 Bushels	117.3	39.9	0.3	4.4				
2013	DESALABERRY	RED SPRING WHEAT	D	32	6,534.0	69.0 Bushels	115.0	37.3	1.2	4.0				
2013	DESALABERRY	RED SPRING WHEAT	E	32	9,174.0	68.3 Bushels	108.4	29.9	3.1	5.6				
2013	DESALABERRY	RED SPRING WHEAT	C	22	3,607.0	67.5 Bushels	107.8	32.4	2.9	6.8				
2014	DESALABERRY	RED SPRING WHEAT	D	31	6,332.0	67.0 Bushels	122.5	39.4	1.9	4.7				
2012	DESALABERRY	RED SPRING WHEAT	D	34	6,717.0	63.7 Bushels	114.6	33.4	2.5	5.3				
2012	DESALABERRY	RED SPRING WHEAT	C	18	2,973.0	61.9 Bushels	98.0	30.9	1.8	5.4				
2012	DESALABERRY	RED SPRING WHEAT	E	26	6,474.0	61.8 Bushels	116.1	33.2	3.5	6.2				
2014	DESALABERRY	RED SPRING WHEAT	E	26	6,723.0	59.5 Bushels	115.1	34.6	2.5	4.1				
2008	DESALABERRY	RED SPRING WHEAT	C	17	1,981.0	58.9 Bushels	94.6	27.0	3.0	2.8				

Pig/Operation Type	Storage Type	Volatilization	Animal Numbers (Places)	Weight In (lb)	Weight Out (lb)	Average Animal Wt (lb)	Days on Feed per Cycle (days)	Number of Cycles for the Place per Year (days)	Feed Consumed Per Pig Per Day (kg/day)	Protein %	N Excreted Per Herd Adjusted for Storage N (lb/yr/herd)	Phosphorus Content of Feed (DM) %	P2O5 Excreted Per Herd Per Year (lb/yr/herd)
Gestating Sow	Liquid Uncovered Earthen	30%	447	630	539	121	3	2.3	14%	0	0.53%	0	
Nursing Sow	Liquid Uncovered Earthen	30%	539	539	539	21	15.2	6.5	20%	0	0.63%	0	
Nursing Litter	Liquid Uncovered Earthen	30%	3.1	13.6	8	21	15.2	0	n/a	0	n/a	0	
Live Cull Sow	Liquid Uncovered Earthen	30%	630	630	630	14	26.1	2.3	14%	0	0.46%	0	
Bred Gilt	Liquid Uncovered Earthen	30%	340	447	394	121	3	2.3	14%	0	0.53%	0	
Gilts (Purchased)	Liquid Uncovered Earthen	30%	290	340	315	28	13.0	3.2	16%	0	0.46%	0	
Boars (Purchased)	Liquid Uncovered Earthen	30%	270	660	465	365	1	2.5	14%	0	0.46%	0	
Weanlings	Liquid Uncovered Earthen	30%	13.6	61.6	38	52	6.9	0.7	20%	0	0.64%	0	
Growers/Finishers	Liquid Uncovered Earthen	30%	61.6	280	171	112	3	2.8	16%	0	0.46%	0	
Sows, farrow to 6.2 kg	Liquid Uncovered Earthen	30%	n/a	n/a	n/a	365	1	n/a	n/a	0	n/a	0	
Sows, farrow to 28 kg	Liquid Uncovered Earthen	30%	n/a	n/a	n/a	365	1	n/a	n/a	0	n/a	0	
Sows, farrow to finish	Liquid Uncovered Earthen	30%	n/a	n/a	n/a	365	1	n/a	n/a	0	n/a	134988	

Last Revised April 13, 2016

Species / Commodity	Type of Operation	Storage Type	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)	P2O5 Excreted (lb/flock/yr)
Chickens	Broilers	Field Storage	40%	0	0.05	4.36	2.20	33	7.4	0	0
Chickens	Broiler Breeder Pullets	Field Storage	40%	0	0.05	4.40	2.23	140	2	0	0
Chickens	Broiler Breeder Hens	Field Storage	40%	0	4.40	8.67	6.53	273	1	0	0
Eggs	Layer Pullets	Solid Stock Pile	40%	12400	0.05	3.04	1.54	133	2	3359	3846
Eggs	Layer Hens	Solid Stock Pile	40%	24800	3.03	3.74	3.38	355	1	20336	23285
Eggs	Breeder Pullets	Liquid Covered	10%	0	0.05	3.04	1.54	133	2	0	0
Eggs	Breeder Hens	Liquid Covered	10%	0	3.03	3.74	3.38	351	1	0	0
Turkey	Broiler Hens (0-9 wks)	Field Storage	40%	0	0.06	12.39	6.22	63	4	0	0
Turkey	Hens (0-11 wks)	Field Storage	40%	0	0.06	16.46	8.26	77	3.5	0	0
Turkey	Heavy Hens (0-14 wks)	Field Storage	40%	9000	0.06	21.19	10.62	98	2	8095	8582
Turkey	Light Toms (0-12 wks)	Field Storage	40%	0	0.06	21.19	10.62	84	3	0	0
Turkey	Toms (0-13 wks)	Field Storage	40%	0	0.06	26.84	13.45	91	3	0	0
Turkey	Heavy Toms (0-15 wks)	Field Storage	40%	0	0.06	30.29	15.18	105	2.5	0	0
Turkey	Breeding Hen Growers (0-30 wks)	Field Storage	40%	0	0.06	26.95	13.51	210	1	0	0
Turkey	Breeding Hens (30-60 wks)	Field Storage	40%	0	26.95	24.95	25.95	210	1	0	0
Turkey	Breeding Tom Grower (0-18 wks)	Field Storage	40%	0	0.06	33.92	16.99	126	2	0	0
Turkey	Breeding Tom Grower (0-30 wks)	Field Storage	40%	0	0.06	50.89	25.47	210	1	0	0
Turkey	Breeding Tom (30-60 wks)	Field Storage	40%	0	50.89	61.86	56.38	210	1	0	0

Crop	Removal		Uptake		Yield	Units	Acreage	Removal		Uptake		
	P2O5	N	N					P2O5	N	(lb)	(lb)	(lb)
Alfalfa	13.8	58	58	lb/ton		ton/ac		-	-	-	-	
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	38.2	bu/ac	1278	50772	94222	155735	155735	
Corn Grain	0.44	0.97	1.53	lb/bu		bu/ac		-	-	-	-	
Corn Silage	12.7	31.2	31.2	lb/ton		tons/ac		-	-	-	-	
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	124.4	bu/ac	1278	41336	98570	170112	170112	
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	36.6	bu/ac	1277	39260	180877	243039	243039	
Sunflower	1.1	2.8		lb/cwt		cwt/ac		-	-	-	-	
Wheat - Spring	0.59	1.5	2.11	lb/bu	56.9	bu/ac	1278	42904	109077	153435	153435	
Wheat - Winter	0.51	1.04	1.35	lb/bu		bu/ac		-	-	-	-	
Sub Total							5111	174272	482746	722321	722321	
Estimated Average Removal/Uptake (lb/ac)								34.1	94.5	141.3	141.3	
Additional Acres												
Crop Planned on Additional Acres												
Total Acreage							5111					

Note: Additional acres include acres for which crop removal or soil data is limited or unavailable.

Last revised August 20, 2014

Species	Animal Category/Operation type	N (lb/year)	P2O5 (lb/year)
Pigs	Gestating Sow	0	0
	Nursing Sow	0	0
	Nursing Litter	0	0
	Live Cull Sows	0	0
	Bred Gilts	0	0
	Gilts	0	0
	Boars	0	0
	Weanlings	0	0
	Growers/finishers	0	0
	Sows, farrow to 5 kg	0	0
	Sows, farrow to 23 kg	0	0
	Sows, farrow to finish	255260	134988
	Beef	Mature Cows (>2 years old)	0
Bred Heifer (14 mo - 2 years)		0	0
Replacement Heifers (7 mo-14 mo)		0	0
Unweaned Calves (0-7 mo)		0	0
Bulls		0	0
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
Dairy		Lactating cow	0
	Dry cow	0	0
	Calf, 0-3 months	0	0
	Calf, 4-13 months	0	0
	Replacements, >13 months	0	0
	Mature Cows, plus assoc livestock	0	0
Sheep	Ewes	0	0
	Replacement Ewes	0	0
	Rams	0	0
	Lambs	0	0
	Ewes, plus assoc livestock	0	0
	Feeder	0	0
Chickens	Broilers	0	0
	Broiler Breeder Pullets	0	0
	Broiler Breeder Hens	0	0
Layers	Layer Pullets	3359	3846
	Layer Hens	20336	23285
	Breeder Pullets	0	0
	Breeder Hens	0	0
Turkeys	Broiler Hens (0-9 wks)	0	0
	Hens (0-11 wks)	0	0
	Heavy Hens (0-14 wks)	8095	8582
	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
Total		287050	170701

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

Nutrients Excreted	lbs
Nitrogen	287050
P2O5	170701
Crop Nutrient Use	
	lb/ac
Nitrogen Uptake	141.3
P2O5 Removal	34.1
Land Base Requirements	
	acres
Acres for Nitrogen Uptake	2031
Acres for 2 x P2O5 Removal	2503
Acres for 1 x P2O5 Removal	5006

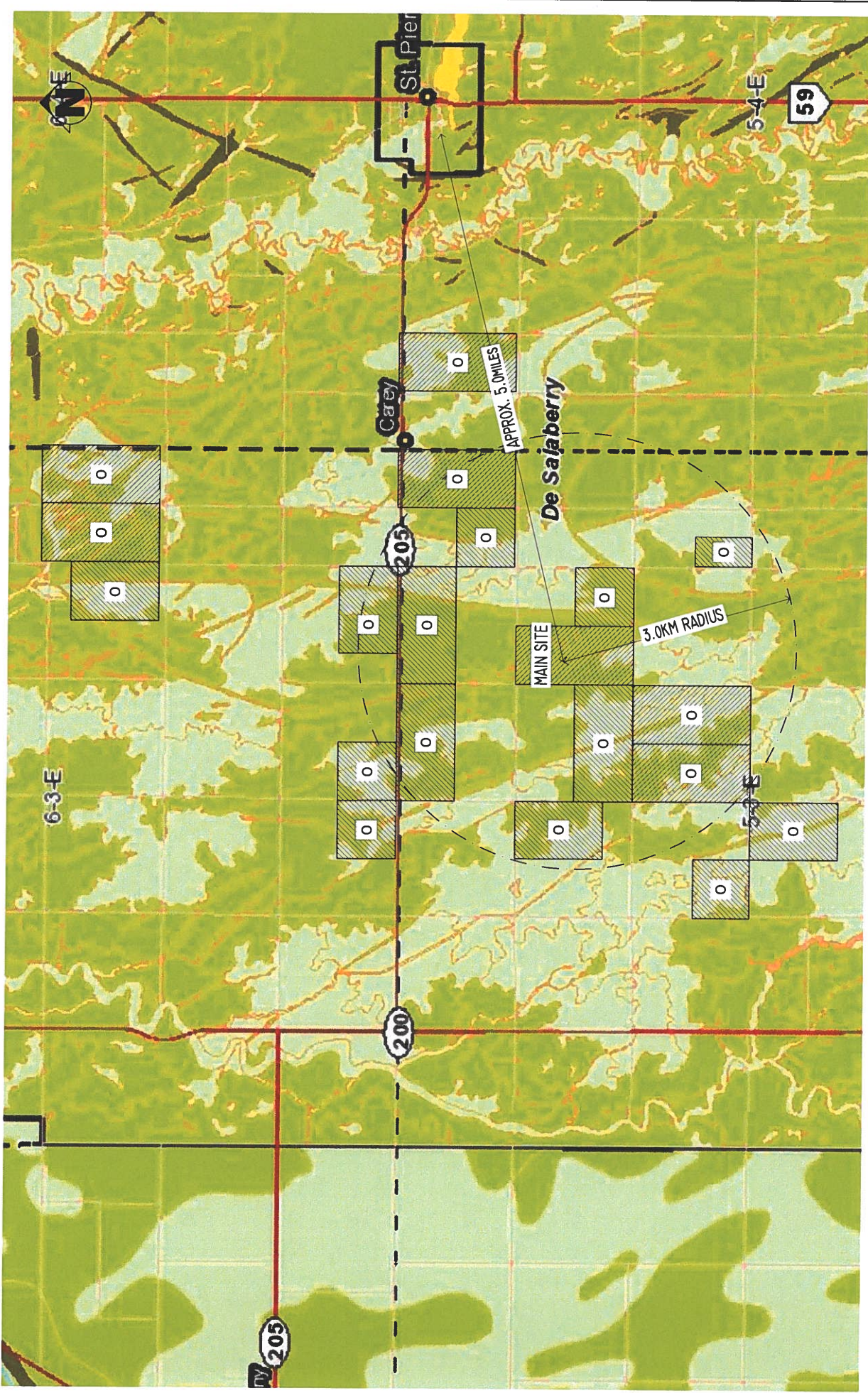
Manure Application Field Characteristics Table

Field ID	A Legal description	B Rural Municipality	C O/C/L/A	D Setbacks, including features	E Net acreage for manure application	F Agriculture capability class and subclass	G Soil Phosphorus (ppm Olsen P) 0-6 inches
26	E 13-6-3E (incl lots SL00A-B)	Desalaberry	O	3m: Property line	318	2W; 3W-2W	14
27	W 13-6-3E (incl lots SL00A-B)	Desalaberry	O	3m: Property line	349	2W; 3W; 3W-2W	8
28	SE 14-6-3E	Desalaberry	O	3m: Property line and drain	194	2W; 3W; 2W-3W	9
29	SE/SW 2-6-3E	Desalaberry	O	3m: Property line and drain	228	2W; 3W-2W; 2W-3W	19
30	SW 3-6-3E	Desalaberry	O	3m: Property line	159	2W; 3W; 2W-3W; 3W-2W	44
31	SE 4-6-3E	Desalaberry	O	3m: Property line	158	2W; 3W; 2W-3W; 3W-2W	21
32	NW 34-5-3E	Desalaberry	O	3m: Property line and drain	158	2W; 3W; 3W-2W; 2W-3W; 2W-	22
32	NE 34-5-3E	Desalaberry	O	3m: Property line and drain	155	2W; 3W; 3W-2W; 2W-3W; 2W-	17
33	NW 35-5-3E	Desalaberry	O	3m: Property line	159	2W; 3W-2W; 2W-3W; 3W-2W-2	31
33	NE 35-5-3E	Desalaberry	O	3m: Property line	159	2W; 3W-2W; 2W-3W; 3W-2W-2	22
34	SW 36-5-3E	Desalaberry	O	3m: Property line	158	2W; 3W-2W; 3W-2W-2W	10
35	E 36-5-3E	Desalaberry	O	3m: Property line	298	2W-3W; 2W-2W-3W; 2W; 3W-2	11
36	E 31-5-4E	Desalaberry	O	3m: Property line and drain	288	3W; 2W-2W-3W; 2W; 2W-3W;	5
37	SE 26-5-3E	Desalaberry	O	3m: Property line and lagoon	152	2W; 3W-2W; 2W-3W	16
38	W 26-5-3E	Desalaberry	O	3m: Property line	298	2W; 3W-2W; 2W-3W	23
39	S 27-5-3E	Desalaberry	O	3m: Property line	319	2W; 3W-2W-2W; 3W; 3W-2W;	26
40	NE/SE 28-5-3E	Desalaberry	O	3m: Property line and drain	230	3W-2W-2W; 3W-2W; 2W-3W	30
41	22-5-3E	Desalaberry	O	3m: Property line	636	3W; 2W; 3W-2W; 2W-3W; 3W-	12
42	SW 21-5-3E	Desalaberry	O	3m: Property line	158	3W-2W-2W; 2W-2W-3W; 2W; 3	6

Total net acreage for manure application: 4,574

- Enter the legal description for each parcel of land that will receive manure: Sec, Twp, Rge or River Lot (including parish).
- Identify the Rural Municipality in which the parcel is located.
- Indicate how the land has been secured for manure application: O – Own / C – Crown / L – Lease / A – Agreement. Multiple designations may be used as appropriate (e.g., C/A for Crown lands that are under a spread agreement with the producer that holds the agricultural Crown land lease).
- Enter setbacks from surface water or groundwater features that reduce the land available for manure application; include identification of type of feature (e.g., 8m, Order 3 drain).
- Enter the net acreage available for manure application for the parcel after taking into account setbacks and excluding Class 6, 7 and unimproved organic soils.
- Enter the agriculture capability class and sub-class ratings for the acreage available for manure application.
- Provide soil test results for Phosphorus in ppm Olsen P for soil samples taken at the 0-6 inch depth. Soil test results must be no more than 36 months old and must be completed by an accredited soil-testing laboratory.





LEGEND:

- L0 - LIVESTOCK OPERATIONS
- O - SPREAD FIELDS (OWNED)
- A - SPREAD FIELDS (AGREEMENT)
- MS - MANURE STORAGE
- - - - - 3KM NOTIFICATION AREA FOR THE PUBLIC CONDITIONAL USE HEARING

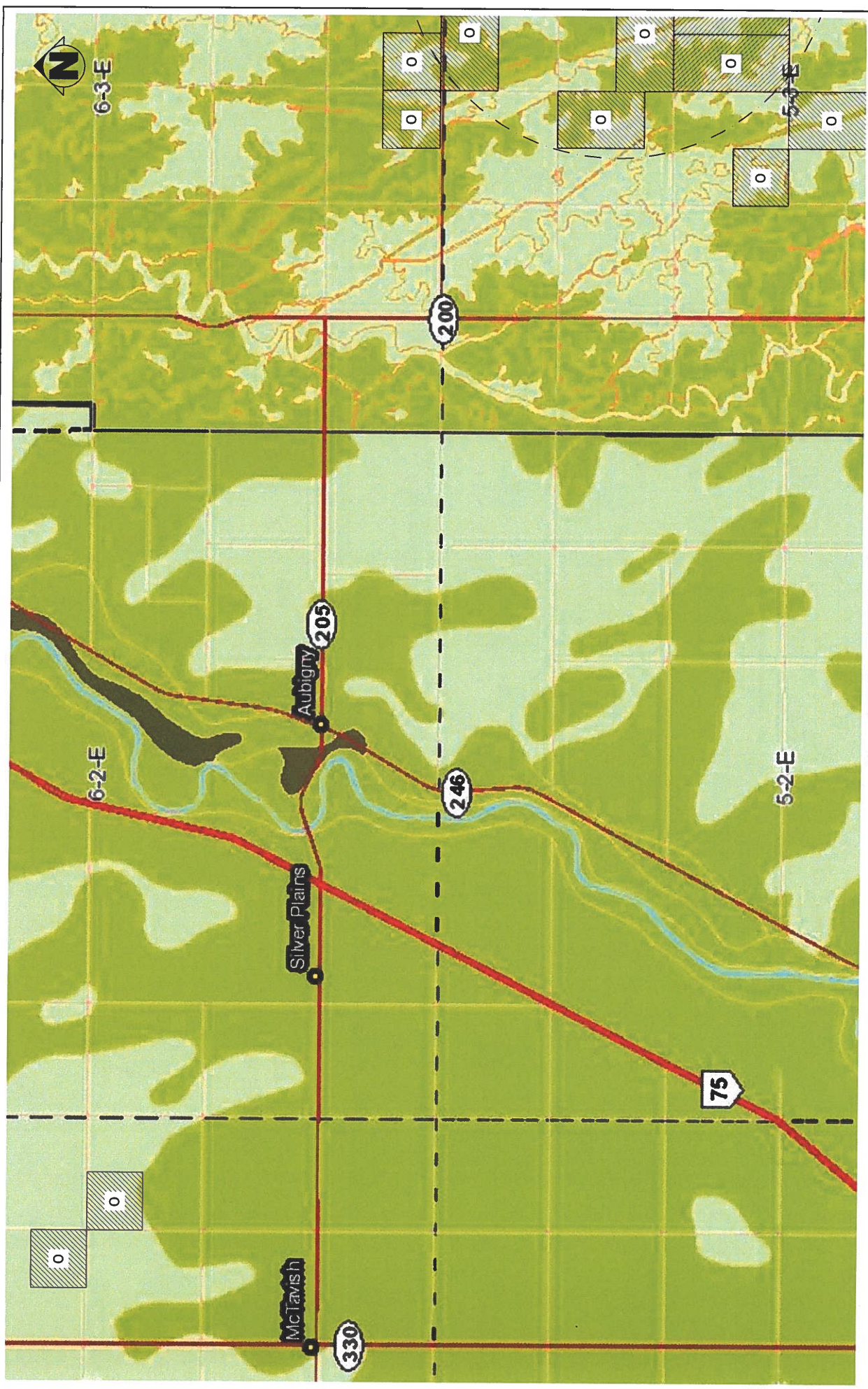
- SOIL CLASS 1
- SOIL CLASS 2
- SOIL CLASS 3
- SOIL CLASS 4
- SOIL CLASS 5

8-651 Leptodiers Blvd. | Winnipeg, Manitoba | R2J 3K4
 PH. (204) 666-9652 | FAX (204) 666-9204

PROJECT NAME CAREY COLONY LTD. PULLEY/LAYER BARN	BUILDING AREA N/A
SHEET TITLE SPREAD FIELD MAP	DRAWN BY R. FLORES SOUTH-MAN ENGINEERING
DATE DRAWN APRIL 2018	DRAWING SCALE SCALED TO FIT
SHEET NUMBER SP-2B	

THIS DRAWING IS THE PROPERTY OF SOUTH-MAN ENGINEERING, WINNIPEG, MANITOBA, CANADA.

C:\Users\Richeh\OneDrive\Tech_Review\Carey Colony\Tech_Review\Carey Colony LTD._TECH_REVIEW_rev01.dwg



PROJECT NAME	CAREY COLONY LTD. PULLET/LAYER BARN	BUILDING AREA	N/A
SHEET TITLE	SPREAD FIELD MAP	DRAWN BY	R. FLORES SOUTH-MAN ENGINEERING
DATE DRAWN	APRIL 2018	DRAWING SCALE	SCALED TO FIT
		SHEET NUMBER	SP-2C

South-Man Engineering

8-851 Lagimodiere Blvd | Winnipeg, Manitoba | R2J 3K4
 PH. (204) 666-9652 | FAX (204) 666-9304

LEGEND:

- LO - LIVESTOCK OPERATIONS
- O - SPREAD FIELDS (OWNED)
- A - SPREAD FIELDS (AGREEMENT)
- MS - MANURE STORAGE
- - 3KM NOTIFICATION AREA FOR THE PUBLIC CONDITIONAL USE HEARING

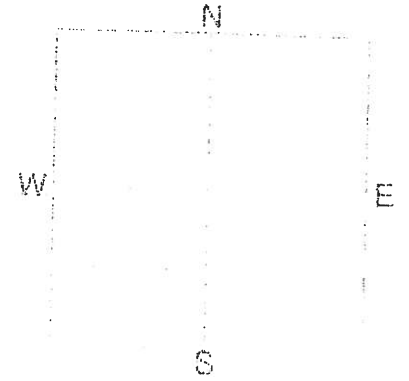
- SOIL CLASS 1
- SOIL CLASS 2
- SOIL CLASS 3
- SOIL CLASS 4
- SOIL CLASS 5



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

SOIL TEST REPORT

FIELD ID **27**
 SAMPLE ID
 FIELD NAME
 COUNTY **3E**
 TWP **6** RANGE
 SECTION **13** QTR ACRES **0**
 PREV. CROP **350**



SUBMITTED FOR:
 MISSING FIELD SHEET

SUBMITTED BY: FI6625
 FIELD 2 FIELD AGRONOMY IN
 JASON VOOGT
 BOX 1931
 CARMAN, MB

REF # **18801403** BOX # **0**
 LAB # **NW53084**

Date Sampled

Date Received **09/01/2017**

Date Reported **9/28/2017**

Nutrient In The Soil		Interpretation	1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
Depth	Concentration		YIELD GOAL	YIELD GOAL	YIELD GOAL	YIELD GOAL	YIELD GOAL			
Nitrate	0-6" 6-24"	9 lb/ac 6 lb/ac	SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
	0-24"	15 lb/ac	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Phosphorus	Olsen	8 ppm	N		N		N			
Potassium		461 ppm	P ₂ O ₅		P ₂ O ₅		P ₂ O ₅			
Chloride	0-24"	100 lb/ac	K ₂ O		K ₂ O		K ₂ O			
Sulfur	0-6" 6-24"	14 lb/ac 60 lb/ac	Cl		Cl		Cl			
Boron		1.1 ppm	S		S		S			
Zinc		1.04 ppm	B		B		B			
Iron		63.1 ppm	Zn		Zn		Zn			
Manganese		3.5 ppm	Fe		Fe		Fe			
Copper		2.63 ppm	Mn		Mn		Mn			
Magnesium		1791 ppm	Cu		Cu		Cu			
Calcium		5818 ppm	Mg		Mg		Mg			
Sodium		45 ppm	Lime		Lime		Lime			
Org.Matter		6.0 %	Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)			
Carbonate(CCE)		0.9 %	Buffer pH			% Ca	% Mg	% K	% Na	% H
Sol. Salts	0-6" 6-24"	0.82 mmho/cm 0.76 mmho/cm	0-6" 7.0		45.4 meq	(65-75) 64.1	(15-20) 32.9	(1-7) 2.6	(0-5) 0.4	(0-5)

General Comments: Clays/Clay Loams (CEC range = 30+) (Fine)

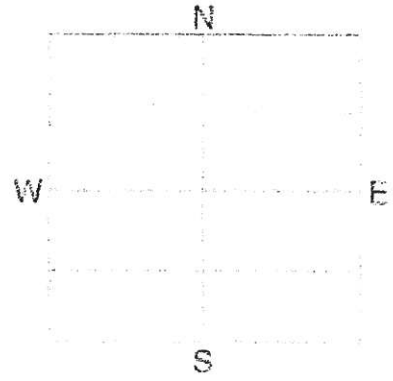


A DIVISION OF ANTARA AGRONOMY SERVICES

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

SOIL TEST REPORT

FIELD ID **30**
 SAMPLE ID
 FIELD NAME
 COUNTY **SE 3E**
 TWP **86** RANGE
 SECTION **3** QTR.**SW** ACRES **160**
 PREV. CROP **Canola-bu**



SUBMITTED FOR:
SUNCREST COLONY

SUBMITTED BY: SA6009
ANTARA RESEARCH%BRUNEL S.
44 VALCOURT BAY
BOX 321
ST JEAN, MB **ROG 2B0**

REF # **18674746** BOX # **0**
 LAB # **NW58704**

Date Sampled **09/05/2017**

Date Received **09/07/2017**

Date Reported **9/15/2017**

Nutrient In The Soil		Interpretation	1st Crop Choice		2nd Crop Choice		3rd Crop Choice		
			YIELD GOAL		YIELD GOAL		YIELD GOAL		
			SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		
			LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	
Nitrate	0-6" 7 lb/ac 6-24" 36 lb/ac 0-24" 43 lb/ac		N		N		N		
Phosphorus	Olsen 44 ppm		P ₂ O ₅		P ₂ O ₅		P ₂ O ₅		
Potassium	593 ppm		K ₂ O		K ₂ O		K ₂ O		
Chloride			Cl		Cl		Cl		
Sulfur	0-6" 28 lb/ac 6-24" 186 lb/ac		S		S		S		
Boron			B		B		B		
Zinc	2.23 ppm		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	5.7 %		Soil pH	Buffer pH	Cation Exchange Capacity		% Base Saturation (Typical Range)		
Carbonate (CCE)	1.3 %				% Ca	% Mg	% K	% Na	% H
Sol. Salts	0-6" 0.86 mmho/cm 6-24" 1.16 mmho/cm		0-6" 7.2 6-24" 7.8						



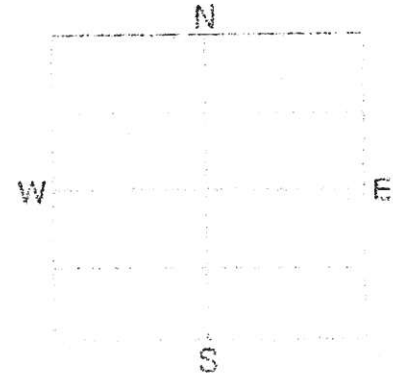
ANTARA RESEARCH

A DIVISION OF ANTARA AGRONOMY SERVICES

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

SOIL TEST REPORT

FIELD ID 31
 SAMPLE ID
 FIELD NAME
 COUNTY **NE 3E**
 TWP **36** RANGE
 SECTION 4 QTRSE ACRES 160
 PREV. CROP **Canola-bu**



SUBMITTED FOR:
SUNCREST COLONY

SUBMITTED BY: **SA6009**
ANTARA RESEARCH%BRUNEL S.
44 VALCOURT BAY
BOX 321
ST JEAN, MB **ROG 280**

REF # **18674747** BOX # **0**
 LAB # **NW58706**

Date Sampled **09/05/2017**

Date Received **09/07/2017**

Date Reported **9/15/2017**

Nutrient In The Soil		Interpretation Low Med. High	1st Crop Choice		2nd Crop Choice		3rd Crop Choice		
			YIELD GOAL		YIELD GOAL		YIELD GOAL		
SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		
			LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	
Nitrate	0-6"	7 lb/ac	N		N		N		
	6-24"		6 lb/ac	P ₂ O ₅		P ₂ O ₅		P ₂ O ₅	
Phosphorus	0-24"	13 lb/ac	K ₂ O		K ₂ O		K ₂ O		
				Cl		Cl		Cl	
Potassium	0-6"	28 lb/ac	S		S		S		
	6-24"		30 lb/ac	B		B		B	
Chloride			Zn		Zn		Zn		
			Fe		Fe		Fe		
Sulfur			Mn		Mn		Mn		
			Cu		Cu		Cu		
Boron			Mg		Mg		Mg		
			Lime		Lime		Lime		
Zinc			Soil pH	Buffer pH	Cation Exchange Capacity		% Base Saturation (Typical Range)		
					% Ca	% Mg	% K	% Na	% H
Iron	0-6"	6.4 %	0-6" 7.2						
	6-24"		1.2 %	6-24" 8.0					
Manganese									
Copper									
Magnesium									
Calcium									
Sodium									
Org. Matter									
Carbonate(CDE)									
Sol. Salts	0-6"	0.67 mmho/cm							
	6-24"		0.66 mmho/cm						

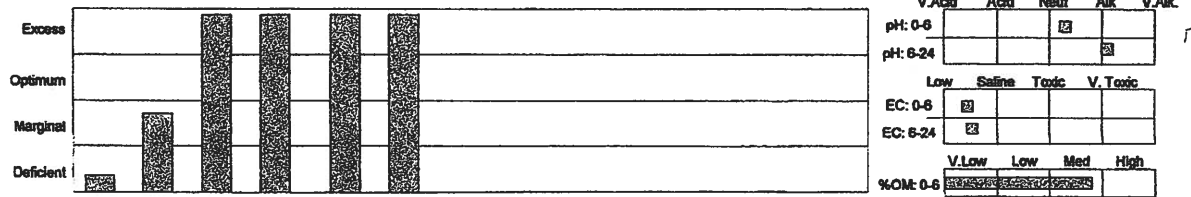
L 32



Farmers Edge Laboratories
 1357 Dugald Road
 Winnipeg, Manitoba Canada
 R2J 0H3
 Phone: 1 204 233 4099

Report To: HyLife Ltd. Grower: HYLIFE Lot Number: 170912_116
 Box 100 Grower Field Name: SUNCREST COLONY Date Sampled: 2017/09/12
 La Broquerie, Manitoba R0A 0W0 Reference Field Name: J Received Date: 2017/09/12
 Attention: Mary-Jane Orr Legal Location: NE 34-5-3-E1 Date Reported: 2017/09/14
 Client ID: 10-0002 Total Acres: 160 Sampler: DL *weg*

Sample ID	Depth	N ppm	P* ppm	K ppm	S ppm	Ca ppm	Mg ppm	Na ppm	B ppm	Cu ppm	Fe ppm	Mn ppm	Zn ppm	Cl ppm	pH	EC dS/m	OM %
170912_116-01	0-6	9	22.0	520	19	6000	1500	47							7.3	0.81	7.2
170912_116-02	6-24	2			20										8.2	1.01	



0-6 lb/Ac:	N: 18	P: 44	K: 1040	S: 38	CEC (meq/100g): 44.2	Ca Base Saturation (%): 68.0	Mg Base Saturation (%): 29.0
6-24 lb/Ac:	N: 11			120	Base Saturation (%): 100.0	K Base Saturation (%): 3.0	Na Base Saturation (%): 0.5
Total lb/Ac measured:	29	44	1040	158	Sand (%):	Silt (%):	Clay (%):
Estimated lb/Ac to 24 inch:	29			158	Texture:		

Recommendation: Comments: PREVIOUS CROP: BARLEY
 * Bicarbonate-Extractable (Olsen) Phosphate



Interpretive Guidelines and Class Limits are based on accepted guidelines. The client is advised to consult with an agronomic professional for detailed interpretation. Farmer's Edge Laboratories limits liability to the cost of the analysis.



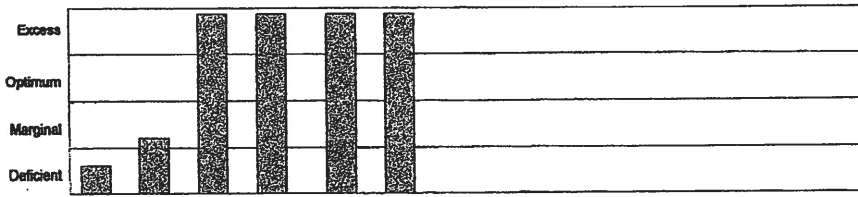
#32.



Farmers Edge Laboratories
 1357 Dugald Road
 Winnipeg, Manitoba Canada
 R2J 0H3
 Phone: 1 204 233 4099

Report To: HyLife Ltd. Grower: HYLIFE Lot Number: 170912_117
 Box 100 Grower Field Name: SUNCREST COLONY Date Sampled: 2017/09/12
 La Broquerie, Manitoba R0A 0W0 Reference Field Name Received Date: 2017/09/12
 Attention: Mary-Jane Orr Legal Location: NE 34-5-3-E1 East Date Reported: 2017/09/14
 Client ID: 10-0002 Total Acres: 160
 Sampler: DL

Sample ID	Depth	N ppm	P* ppm	K ppm	S ppm	Ca ppm	Mg ppm	Na ppm	B ppm	Cu ppm	Fe ppm	Mn ppm	Zn ppm	Cl ppm	pH	EC dS/m	OM %
170912_117-01	0-6	13	17.0	540	19	6300	1600	46							7.6	0.56	7.5
170912_117-02	6-24	4			18										8.2	0.60	



	V. Acid	Acid	Neut	Alk	V. Alk.
pH: 0-6				<input checked="" type="checkbox"/>	
pH: 6-24					<input checked="" type="checkbox"/>
	Low	Saline	Toxic	V. Toxic	
EC: 0-6	<input checked="" type="checkbox"/>				
EC: 6-24	<input checked="" type="checkbox"/>				
	V. Low	Low	Med	High	
%OM: 0-6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

N	P	K	S	CEC (meq/100g):	46.1	Ca Base Saturation (%):	68.0	Mg Base Saturation (%):	29.0	
0-6 lb/Ac:	26	34	1080	38	Base Saturation (%):	100.0	K Base Saturation (%):	3.0	Na Base Saturation (%):	0.4
6-24 lb/Ac:	22			108						
Total lb/Ac measured:	48	34	1080	146	Sand (%):	Silt (%):	Clay (%):	Texture:		
Estimated lb/Ac to 24 inch:	48			146						

Recommendation: Comments: PREVIOUS CROP: BARLEY
 * Bicarbonate-Extractable (Olsen) Phosphate



Interpretive Guidelines and Class Limits are based on accepted guidelines. The client is advised to consult with an agronomic professional for detailed interpretation. Farmer's Edge Laboratories limits liability to the cost of the analysis.



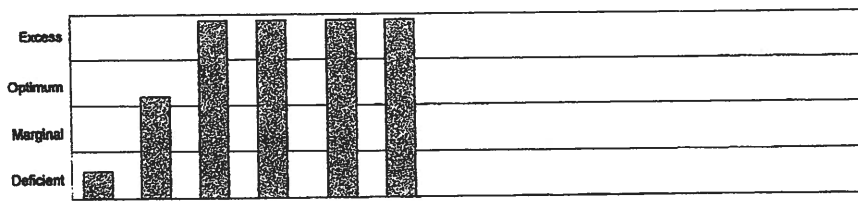
#33



Farmers Edge Laboratories
 1357 Dugald Road
 Winnipeg, Manitoba Canada
 R2J 0H3
 Phone: 1 204 233 4099

Report To: HyLife Ltd. Box 100 La Broquerie, Manitoba R0A 0W0	Grower: HYLIFE Grower Field Name: ASTORIA Reference Field Name: Legal Location: NW 35-5-3 E1 Total Acres: 160 Sampler: DL	Lot Number: 170908_009 Date Sampled: 2017/09/07 Received Date: 2017/09/08 Date Reported: 2017/09/12
Attention: Mary-Jane Orr Client ID: 10-0002		

Sample ID	Depth	N ppm	P* ppm	K ppm	S ppm	Ca ppm	Mg ppm	Na ppm	B ppm	Cu ppm	Fe ppm	Mn ppm	Zn ppm	Cl ppm	pH	EC dS/m	OM %
170908_009-01	0-6	6	31.0	640	13	5800	1900	57							7.3	0.91	5.7
170908_009-02	6-24	6			12										7.9	1.09	



	V. Acid	Acid	Neut	Alk	V. Alk
pH: 0-6			<input checked="" type="checkbox"/>		
pH: 6-24				<input checked="" type="checkbox"/>	
	Low	Saline	Toxic	V. Toxic	
EC: 0-6	<input checked="" type="checkbox"/>				
EC: 6-24	<input checked="" type="checkbox"/>				
	V. Low	Low	Med	High	
%OM: 0-6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

	N	P	K	S	CEC (meq/100g):	46.6	Ca Base Saturation (%):	62.0	Mg Base Saturation (%):	34.0
0-6 lb/Ac:	12	62	1280	26	Base Saturation (%):	100.0	K Base Saturation (%):	3.5	Na Base Saturation (%):	0.5
6-24 lb/Ac:	33			72	Sand (%):		Silt (%):		Clay (%):	Texture:
Total lb/Ac measured:	45	62	1280	98						
Estimated lb/Ac to 24 inch:	45			98						

Total lb/Ac measured: 45 62 1280 98
 Estimated lb/Ac to 24 inch: 45 98

Recommendation:	Comments: PREVIOUS CROP: OATS * Bicarbonate-Extractable (Olsen) Phosphate
------------------------	---



Interpretive Guidelines and Class Limits are based on accepted guidelines. The client is advised to consult with an agronomic professional for detailed interpretation. Farmers Edge Laboratories limits liability to the cost of the analysis.



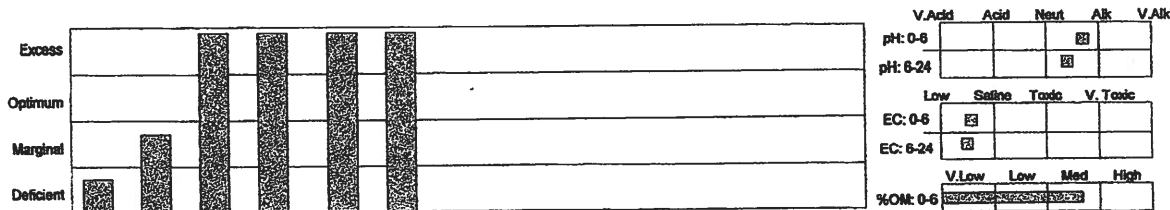
#33



Farmers Edge Laboratories
 1357 Dugald Road
 Winnipeg, Manitoba Canada
 R2J 0H3
 Phone: 1 204 233 4099

Report To: HyLife Ltd. Box 100 La Broquerie, Manitoba R0A 0W0	Grower: HYLIFE Grower Field Name: ASTORIA Reference Field Name: Legal Location: NE 35-5-3 E1	Lot Number: 170908_010 Date Sampled: 2017/09/07 Received Date: 2017/09/08 Date Reported: 2017/09/12
Attention: Mary-Jane Orr Client ID: 10-0002	Total Acres: 160 Sampler: DL	

Sample ID	Depth	N ppm	P* ppm	K ppm	S ppm	Ca ppm	Mg ppm	Na ppm	B ppm	Cu ppm	Fe ppm	Mn ppm	Zn ppm	Cl ppm	pH	EC dS/m	OM %
170908_010-01	0-6	9	22.0	640	6	5700	2300	62							7.7	1.10	6.7
170908_010-02	6-24	7			12										7.4	0.93	



	N	P	K	S	CEC (meq/100g):	48.9	Ca Base Saturation (%):	58.0	Mg Base Saturation (%):	38.0
0-6 lb/Ac:	18	44	1280	12	Base Saturation (%):	100.0	K Base Saturation (%):	3.4	Na Base Saturation (%):	0.6
6-24 lb/Ac:	39			72						

Total lb/Ac measured: 57 44 1280 84
 Estimated lb/Ac to 24 inch: 57 84

Recommendation:	Comments: PREVIOUS CROP: OATS
	* Bicarbonate-Extractable (Olsen) Phosphate



Interpretive Guidelines and Class Limits are based on accepted guidelines. The client is advised to consult with an agronomic professional for detailed interpretation. Farmer's Edge Laboratories limits liability to the cost of the analysis.





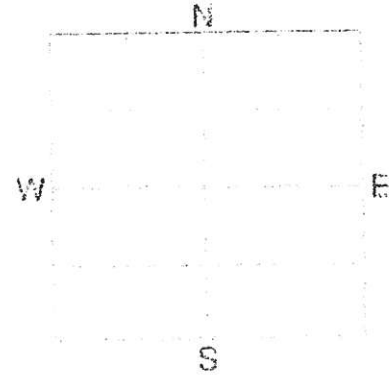
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Soil Analysis by Agvise Laboratories
 (http://www.agvise.com)
 Northwood: (701) 587-6010
 Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID **35**
 SAMPLE ID
 FIELD NAME
 COUNTY **SE 3E**
 TWP **7S** RANGE
 SECTION **36** QTRE ACRES **30**
 PREV. CROP **Canola-bu**



SUBMITTED FOR:
SUNCREST COLONY

SUBMITTED BY: **SA6009**
ANTARA RESEARCH%BRUNEL S.
44 VALCOURT BAY
BOX 321
ST JEAN, MB **ROG 2B0**

REF # **18674748** BOX # **0**
 LAB # **NW58708**

Date Sampled **09/05/2017**

Date Received **09/07/2017**

Date Reported **9/15/2017**

Nutrient In The Soil		Interpretation	1st Crop Choice		2nd Crop Choice		3rd Crop Choice	
		Low Med High	YIELD GOAL		YIELD GOAL		YIELD GOAL	
			SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES	
			LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION
Nitrate	0-6" 10 lb/ac 6-24" 6 lb/ac 0-24" 16 lb/ac	***	N		N		N	
Phosphorus	Olsen 11 ppm	*****	P ₂ O ₅		P ₂ O ₅		P ₂ O ₅	
Potassium	447 ppm	*****	K ₂ O		K ₂ O		K ₂ O	
Chloride			Cl		Cl		Cl	
Sulfur	0-6" 28 lb/ac 6-24" 36 lb/ac	*****	S		S		S	
Baron			B		B		B	
Zinc	0.97 ppm	*****	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	5.8 %	*****	Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)	
Carbonate(CCB)	0.6 %	***	Buffer pH			% Ca	% Mg	% K
						% Na	% H	
Sol. Salts	0-6" 0.79 mmho/cm 6-24" 0.67 mmho/cm	*****	0-6" 7.0					
			6-24" 8.0					

Report Number: C17263-10089
 Account Number: 06352

A & L Canada Laboratories Inc.
 2136 Jetstream Road, London, Ontario, N5V 3P5
 Telephone: (519) 457-2575 Fax: (519) 457-2664



C17263-10089

To: PATERSON GRAIN
 P.O. BOX 356
 25 HERITAGE TRAIL
 NIVERVILLE, MB R0A 1E0
 Attn: AARON BOLDUC
 204-388-6888

For: SUNCREST

Farm: FIELD 36
 Field: E31 5 4E

Reported Date: Printed Date: Sep 22, 2017

Page: 1 / 1

Sample Number	Legal Land Descript:	Lab Number	Depth	Organic Matter	Phosphorus - P ppm	Potassium K ppm	Magnesium Mg ppm	Calcium Ca ppm	pH	pH Buffer	CEC meq/100g	Percent Base Saturations			
												% K	% Mg	% Ca	% H
A		44083	6	5.3	7 VL	239 H	1145 VH	5460 M	7.9		37.5	1.6	25.4	72.7	0.6
B		44084	12	3.7	3 VL	115 L	1310 VH	6450 M	8.2		43.5	0.7	25.1	74.2	0.4
C		44085	24	3.5	3 VL	158 M	1740 VH	6100 M	8.4		45.6	0.9	31.8	67.0	0.7

Sample Number	Sulfur S ppm	Nitrate Nitrogen NO3-N ppm	Zinc Zn ppm	Manganese Mn ppm	Iron Fe ppm	Copper Cu ppm	Boron B ppm	Soluble Salts mmhos/cm	Saturation %P	Aluminum Al ppm	Sodium Na ppm	Chloride Cl ppm	Sulfate S ppm	K/Mg Ratio	ENR
A	42 VL	76	2.0 L	16 M	40 H	2.2 H	0.9 M	1 VL	170	0.0 G	0.06	66	48 L		
B	10 VL	18	1.2 L	8 L	34 H	2.1 H	0.8 M		79	0.0 G	0.03	49	38 L		
C	17 VL	61							118	0.0 G	0.03	47	78 M		

VL = VERY LOW, L = LOW, M = MEDIUM, H = HIGH, VH = VERY HIGH, G = GOOD, MA = MARGINAL, MT = MODERATE PHYTO-TOXIC, T = PHYTO-TOXIC, ST = SEVERE PHYTO-TOXIC

SOIL FERTILITY GUIDELINES (lbs/ac)

Sample Number	Previous Crop	Intended Crop	Yield Goal	Lime Tons/Acre	N	P205	K2O	Mg	Ca	S	Zn	Mn	Fe	Cu	B

* Recs are based on building nutrients to a level to maintain soil health. Banding and/or precision placement techniques can be utilized to increase fertilizer efficiency.
 * If this report contains soil in excess of 7500 ppm Ca it may or may not effect the calculated Cation Exchange Capacity. Excessive seed placed fertilizer can cause injury.
 * The results of this report relate to the sample submitted and analyzed.
 * Crop yield is influenced by a number of factors in addition to soil fertility.
 No guarantee or warranty concerning crop performance is made by A & L.
 A&L Canada Laboratories Inc. is accredited by the Standards Council of Canada for specific tests as listed on www.scc.ca and by the Canadian Association for Laboratory Accreditation as listed on www.cala.ca

Results Authorized By: Ian McLachlin, Vice President

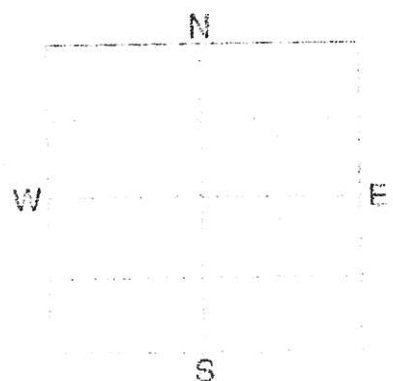
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 Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID 37
 SAMPLE ID
 FIELD NAME
 COUNTY **SE 3E**
 TWP **7S** RANGE
 SECTION 26 QTRSE ACRES 160
 PREV. CROP **Wheat-Spring**



SUBMITTED FOR:
SUNCREST COLONY

SUBMITTED BY: **SA6009**
ANTARA RESEARCH%BRUNEL S.
44 VALCOURT BAY
BOX 321
ST JEAN, MB **ROG 2B0**

REF # **18674785** BOX # **0**
 LAB # **NW60501**

Date Sampled

Date Received **09/08/2017**

Date Reported **9/15/2017**

Nutrient In The Soil		Interpretation	1st Crop Choice		2nd Crop Choice		3rd Crop Choice	
			YIELD GOAL	YIELD GOAL	YIELD GOAL	SUGGESTED GUIDELINES	SUGGESTED GUIDELINES	SUGGESTED GUIDELINES
			LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION
Nitrate	0-6"	5 lb/ac						
	6-24"	9 lb/ac						
	0-24"	14 lb/ac						
Phosphorus	Olsen	16 ppm						
Potassium		511 ppm						
Chloride								
Sulfur	0-6"	24 lb/ac						
	6-24"	144 lb/ac						
Boron								
Zinc		1.42 ppm						
Iron								
Manganese								
Copper								
Magnesium								
Calcium								
Sodium								
Org Matter		5.3 %						
Carbonate(CCE)		2.4 %						
Soil Salts	0-6"	0.66 mmho/cm						
	6-24"	0.83 mmho/cm						
			Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)		
						% Ca	% Mg	% K
			0-6" 7.9					
			6-24" 8.2					

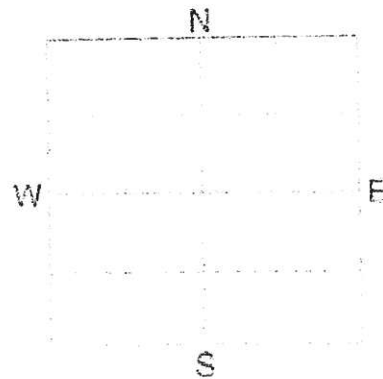


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SOIL TEST REPORT

FIELD ID **38**
 SAMPLE ID
 FIELD NAME
 COUNTY **SE 3E**
 TWP **7 S** RANGE
 SECTION **26** QTR **W** ACRES **300**
 PREV. CROP **Wheat-Spring**



SUBMITTED FOR:
SUNCREST COLONY

SUBMITTED BY: SA6009
ANTARA RESEARCH%BRUNEL S.
44 VALCOURT BAY
BOX 321
ST JEAN, MB **ROG 2B0**

REF # **18674786** BOX # **0**
 LAB # **NW60502**

Date Sampled _____ Date Received **09/08/2017** Date Reported **9/15/2017**

Nutrient In The Soil		Interpretation	1st Crop Choice		2nd Crop Choice		3rd Crop Choice	
			YIELD GOAL		YIELD GOAL		YIELD GOAL	
			SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES	
			LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION
Nitrate	0-6" 25 lb/ac 6-24" 15 lb/ac		N		N		N	
Phosphorus	Clear 23 ppm		P ₂ O ₅		P ₂ O ₅		P ₂ O ₅	
Potassium	456 ppm		K ₂ O		K ₂ O		K ₂ O	
Chloride			Cl		Cl		Cl	
Sulfur	0-6" 66 lb/ac 6-24" 48 lb/ac		S		S		S	
Boron			B		B		B	
Zinc	1.84 ppm		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	6.3 %		Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)	
Carbonate(CCE)	1.5 %		Buffer pH		% Ca	% Mg	% K	% Na
					% H			
Soil Salts	0-6" 0.84 mmho/cm 6-24" 0.62 mmho/cm		0-6" 7.4					
			6-24" 8.2					



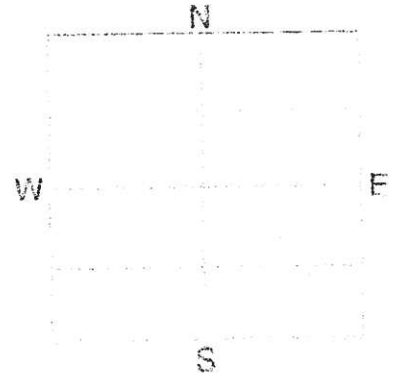
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SOIL TEST REPORT

FIELD ID **39**
 SAMPLE ID
 FIELD NAME
 COUNTY **3E**
 TWP **5** RANGE
 SECTION **27** QTR ACRES **320**
 PREV. CROP **Wheat-Spring**



SUBMITTED FOR:
SUNCREST

SUBMITTED BY: **SA6009**
ANTARA RESEARCH%BRUNEL S.
44 VALCOURT BAY
BOX 321
ST JEAN, MB **ROG 2B0**

REF # **18951511** BOX # **0**
 LAB # **NW93763**

Date Sampled **10/02/2017**

Date Received **10/03/2017**

Date Reported **11/2/2017**

Nutrient In The Soil		Interpretation	1st Crop Choice		2nd Crop Choice		3rd Crop Choice	
		Low Med High	YIELD GOAL		YIELD GOAL		YIELD GOAL	
			SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES	
			LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION
Nitrate	0-6" 45 lb/ac 6-24" 21 lb/ac 0-24" 66 lb/ac		N		N		N	
Phosphorus	Olsen 26 ppm		P ₂ O ₅		P ₂ O ₅		P ₂ O ₅	
Potassium	584 ppm		K ₂ O		K ₂ O		K ₂ O	
Chloride			Cl		Cl		Cl	
Sulfur	0-6" 34 lb/ac 6-24" 84 lb/ac		S		S		S	
Boron			B		B		B	
Zinc	2.11 ppm		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	6.0 %		Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)	
Carbonate(CCE)	3.0 %		Buffer pH			% Ca	% Mg	% K
						% Na	% H	
Sol Salts	0-6" 1.01 mmho/cm 6-24" 0.78 mmho/cm		0-6" 7.3					
			6-24" 8.0					

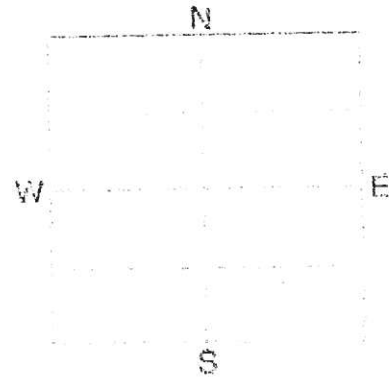
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SOIL TEST REPORT

FIELD ID **40**
 SAMPLE ID
 FIELD NAME
 COUNTY **3E**
 TWP **5** RANGE
 SECTION **28** QTR ACRES **0**
 PREV. CROP **Soybeans** **240**



SUBMITTED FOR:
SUNCREST

SUBMITTED BY: **SA6009**
ANTARA RESEARCH%BRUNEL S.
44 VALCOURT BAY
BOX 321
ST JEAN, MB **ROG 2B0**

REF # **18951785** BOX # **0**
 LAB # **NW106207**

Date Sampled **10/08/2017**

Date Received **10/09/2017**

Date Reported **11/2/2017**

Nutrient In The Soil		Interpretation Low Med High	1st Crop Choice		2nd Crop Choice		3rd Crop Choice	
			YIELD GOAL		YIELD GOAL		YIELD GOAL	
			SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES	
			LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION
Nitrate	0-6"	17 lb/ac	N		N		N	
	6-24"	21 lb/ac	P ₂ O ₅		P ₂ O ₅		P ₂ O ₅	
Olsen Phosphorus	0-24"	38 lb/ac	K ₂ O		K ₂ O		K ₂ O	
			Cl		Cl		Cl	
Potassium		30 ppm	S		S		S	
Chloride	0-6"	24 lb/ac	B		B		B	
	6-24"	96 lb/ac	Zn		Zn		Zn	
Sulfur			Fe		Fe		Fe	
Boron			Mn		Mn		Mn	
Zinc		1.81 ppm	Cu		Cu		Cu	
Iron			Mg		Mg		Mg	
Manganese			Lime		Lime		Lime	
Copper			Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)	
Magnesium			Buffer pH		% Ca	% Mg	% K	% Na
Calcium								
Sodium								
Org. Matter		7.1 %						
Carbonate (CCE)		2.4 %						
Sol. Salts	0-6"	0.72 mmho/cm						
	6-24"	0.78 mmho/cm						



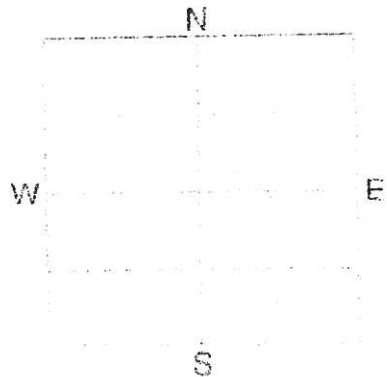
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 Northwood: (701) 587-6010
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SOIL TEST REPORT

FIELD ID **42**
 SAMPLE ID
 FIELD NAME
 COUNTY **3E**
 TWP **5** RANGE
 SECTION **2** QTR ACRES **0**
 PREV. CROP **Soybeans** **160**



SUBMITTED FOR:
SUNCREST

SUBMITTED BY: **SA6009**
ANTARA RESEARCH%BRUNEL S.
44 VALCOURT BAY
BOX 321
ST JEAN, MB **ROG 280**

REF # **18951786** BOX # **0**
 LAB # **NW106208**

Date Sampled **10/08/2017**

Date Received **10/09/2017**

Date Reported **11/2/2017**

Nutrient In The Soil		Interpretation Low Med. High	1st Crop Choice		2nd Crop Choice		3rd Crop Choice			
0-6" 6-24"	9 lb/ac 6 lb/ac		YIELD GOAL		YIELD GOAL		YIELD GOAL			
			SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
			LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Nitrate	0-6" 6-24"	15 lb/ac	N		N		N			
Phosphorus	Olsen	6 ppm	P ₂ O ₅		P ₂ O ₅		P ₂ O ₅			
Potassium		474 ppm	K ₂ O		K ₂ O		K ₂ O			
Chloride			Cl		Cl		Cl			
Sulfur	0-6" 6-24"	22 lb/ac 270 lb/ac	S		S		S			
Boron			B		B		B			
Zinc		0.87 ppm	Zn		Zn		Zn			
Iron			Fe		Fe		Fe			
Manganese			Mn		Mn		Mn			
Copper			Cu		Cu		Cu			
Magnesium			Mg		Mg		Mg			
Calcium										
Sodium										
Org. Matter		6.1 %								
Carbonate (CCE)		4.4 %								
Sol. Salts	0-6" 6-24"	0.66 mmho/cm 0.88 mmho/cm								
			Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
						% Ca	% Mg	% K	% Na	% H
			0-6" 8.0							
			6-24" 8.5							

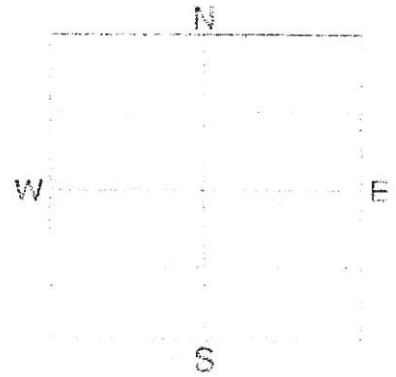


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SOIL TEST REPORT

FIELD ID 44
 SAMPLE ID
 FIELD NAME
 COUNTY 3E
 TWP 5 RANGE
 SECTION 23-5-3 QTR ACRES 80
 PREV. CROP Canola-bu



SUBMITTED FOR:
SUNCREST COLONY

SUBMITTED BY: SA6009
 ANTARA RESEARCH%BRUNEL S.
 44 VALCOURT BAY
 BOX 321
 ST JEAN, MB R0G 2B0


REF # 18674750 BOX # 0
 LAB # NW58712

Date Sampled 09/05/2017

Date Received 09/07/2017

Date Reported 9/15/2017

Nutrient In The Soil		Interpretation	1st Crop Choice		2nd Crop Choice		3rd Crop Choice	
			YIELD GOAL	YIELD GOAL	YIELD GOAL	YIELD GOAL	YIELD GOAL	YIELD GOAL
			SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES	
			LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION
Nitrate	0-6"	10 lb/ac						
	6-24"	15 lb/ac						
	0-24"	25 lb/ac						
Phosphorus	Olsen	3 ppm						
Potassium		377 ppm						
Chloride								
Sulfur	0-6"	114 lb/ac						
	6-24"	360 +lb/ac						
Boron								
Zinc		0.62 ppm						
Iron								
Manganese								
Copper								
Magnesium								
Calcium								
Sodium								
Org. Matter		3.7 %						
Carbonate (CCE)		9.6 %						
Sol. Salts	0-6"	0.85 mmho/cm						
	6-24"	0.87 mmho/cm						
Soil pH								
Buffer pH								
Cation Exchange Capacity								
% Base Saturation (Typical Range)								
			% Ca	% Mg	% K	% Na	% H	
0-6"	8.2							
6-24"	8.5							



ANTARA RESEARCH
A DIVISION OF ANTARA AGRONOMY SERVICES
Soil Analysis by Agvise Laboratories
(http://www.agvise.com)
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Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID **45**
SAMPLE ID
FIELD NAME
COUNTY **1 E**
TWP **6** RANGE
SECTION **23** QTR ACRES **160**
PREV. CROP **Wheat-Spring**


REF # **18951613** BOX # **0**
LAB # **NW70153**

SUBMITTED FOR:
SUNREST COLONY

SUBMITTED BY: **SA6009**
ANTARA RESEARCH%BRUNEL S.
44 VALCOURT BAY
BOX 321
ST JEAN, MB **ROG 2B0**

Date Sampled **09/12/2017** Date Received **09/15/2017** Date Reported **9/26/2017**

Nutrient in the Soil		Interpretation	N Fertilizer Choice		P and K Fertilizer Choice		Sulfur Choice			
			YIELD GOAL		YIELD GOAL		YIELD GOAL			
			SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES			
			LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION		
Nitrate	0-6" 5 lb/ac 6-24" 6 lb/ac		N		N		N			
Phosphorus	Olsen 4 ppm	*****	P ₂ O ₅		P ₂ O ₅		P ₂ O ₅			
Potassium	395 ppm	*****	K ₂ O		K ₂ O		K ₂ O			
Chloride			Cl		Cl		Cl			
Sulfur	0-6" 120 +lb/ac 6-24" 360 +lb/ac	*****	S		S		S			
Boron			B		B		B			
Zinc	0.38 ppm	*****	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	5.2 %	*****								
Carbonate(CCE)	2.7 %	*****								
	0-6" 2.48 mmho/cm 6-24" 3.54 mmho/cm	*****	Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
Sol. Salts						% Ca	% Mg	% K	% Na	% H
			0-6" 7.6							
			6-24" 7.8							



ANTARA RESEARCH
A DIVISION OF ANTARA AGRONOMY SERVICES
Soil Analysis by Agvise Laboratories
(http://www.agvise.com)
Northwood: (701) 587-6010
Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID **46**
SAMPLE ID
FIELD NAME
COUNTY **IE**
TWP **6** RANGE
SECTION **13-** QTR ACRES **6**
PREV. CROP **Wheat-Spring** **166**

SUBMITTED FOR:
SUNREST COLONY

SUBMITTED BY: SA6009
ANTARA RESEARCH%BRUNEL S.
44 VALCOURT BAY
BOX 321
ST JEAN, MB **ROG 2B0**

REF # **18951614** BOX # **0**
LAB # **NW70156**

Date Sampled **09/12/2017** Date Received **09/15/2017** Date Reported **9/26/2017**

Nutrients in the Soil		Interpretation	1st Crop Choice		2nd Crop Choice		3rd Crop Choice	
			YIELD GOAL		YIELD GOAL		YIELD GOAL	
			SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES	
			LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION
Nitrate	0-6"	14 lb/ac						
	6-24"	12 lb/ac						
	0-24"	26 lb/ac						
Phosphorus	Olsen	5 ppm						
Potassium		397 ppm						
Sulfur	0-6"	120 +lb/ac						
	6-24"	360 +lb/ac						
Zinc		0.61 ppm						
Soil pH								
Buffer pH								
Cation Exchange Capacity								
% Base Saturation (Typical Range)			% Ca	% Mg	% K	% Na	% H	
0-6"	2.12 mmho/cm							
6-24"	2.97 mmho/cm							
Sol. Salts								



PROVINCIAL RD 205

Carey

St-Pierre-Jolys St-P

APPROX. 5.0 MILES

TRUCK ROUTE

MAIN SITE

PROJECT NAME	CAREY COLONY LTD. PULLEY/LAYER BARN	BUILDING AREA	N/A
SHEET TITLE	TRUCK HAUL ROUTE	DRAWN BY	R. FLORES SOUTH-MAN ENGINEERING
DATE DOWN	APRIL 2018	DRAWING SCALE	SCALED TO FIT
			SHEET NUMBER
			SP-3

**South-Man
Engineering**

8-651 Logansville Blvd | Winnipeg, Manitoba | R2J 3K4
PH: (204) 666-9652 | FAX: (204) 666-9204

THIS DRAWING IS THE PROPERTY OF SOUTH-MAN ENGINEERING, WINNIPEG, MANITOBA, CANADA.



Desalegn Edossa
<desalegn.southmaneng@gmail.com>

Suncrest Colony, Carey Site

1 message

Friesen, Chris (SD) <Chris.Friesen@gov.mb.ca> Wed, Jan 24, 2018 at 11:30 AM
To: "desalegn.southmaneng@gmail.com" <desalegn.southmaneng@gmail.com>

Desalegn

Thank you for your information request. I completed a search of the Manitoba Conservation Data Centre's rare species database and found no occurrences at this time for your area of interest.

The information provided in this letter is based on existing data known to the Manitoba Conservation Data Centre 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 in any particular geographic area does not necessarily mean that species or ecological communities of concern are not present; in many areas, comprehensive surveys have never been completed. Therefore, this information should be regarded neither as a final statement on the occurrence of any species of concern, nor as a substitute for on-site surveys for species as part of environmental assessments.

Because the Manitoba CDC's 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 pass before it is utilized.

Third party requests for products wholly or partially derived from Biotics 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 Biotics data, as follows as: Data developed by the Manitoba Conservation Data Centre; Wildlife & 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 please contact me directly at (204) 945-7747.

Chris Friesen
Coordinator
Manitoba Conservation Data Centre
204-945-7747
chris.friesen@gov.mb.ca
<http://www.manitoba.ca/sd/cdc/>

-----Original Message-----

From:
Sent: January-16-18 4:26 PM
To: Friesen, Chris (SD) <Chris.Friesen@gov.mb.ca>
Subject: WWW Form Submission

Below is the result of your feedback form. It was submitted by WWW Information Request () on Tuesday, January 16, 2018 at 16:26:11

DocumentID: Manitoba_Conservation

Project Title: Suncrest Colony, Carey Site

Date Needed: 2018/01/23

Name: Desalegn Edossa

Company/Organization: Soth-Man Engineering

Address: 1599 Dugald Rd

City: Winnipeg

Province/State: MB

Phone: (204) 668-9652

Email: desalegn.southmaneng@gmail.com

Project Description: The information will be used to determine the impacts on species by a proposed expansion of livestock operation.

Information Requested: Would like to know if there are any species at risk or endangered in region that may be impacted by the proposed expansion of livestock operation.

Format Requested: Microsoft Word Document as email attachment.

Location: NW 26-5-3E in the RM of De Salaberry

action: Submit
