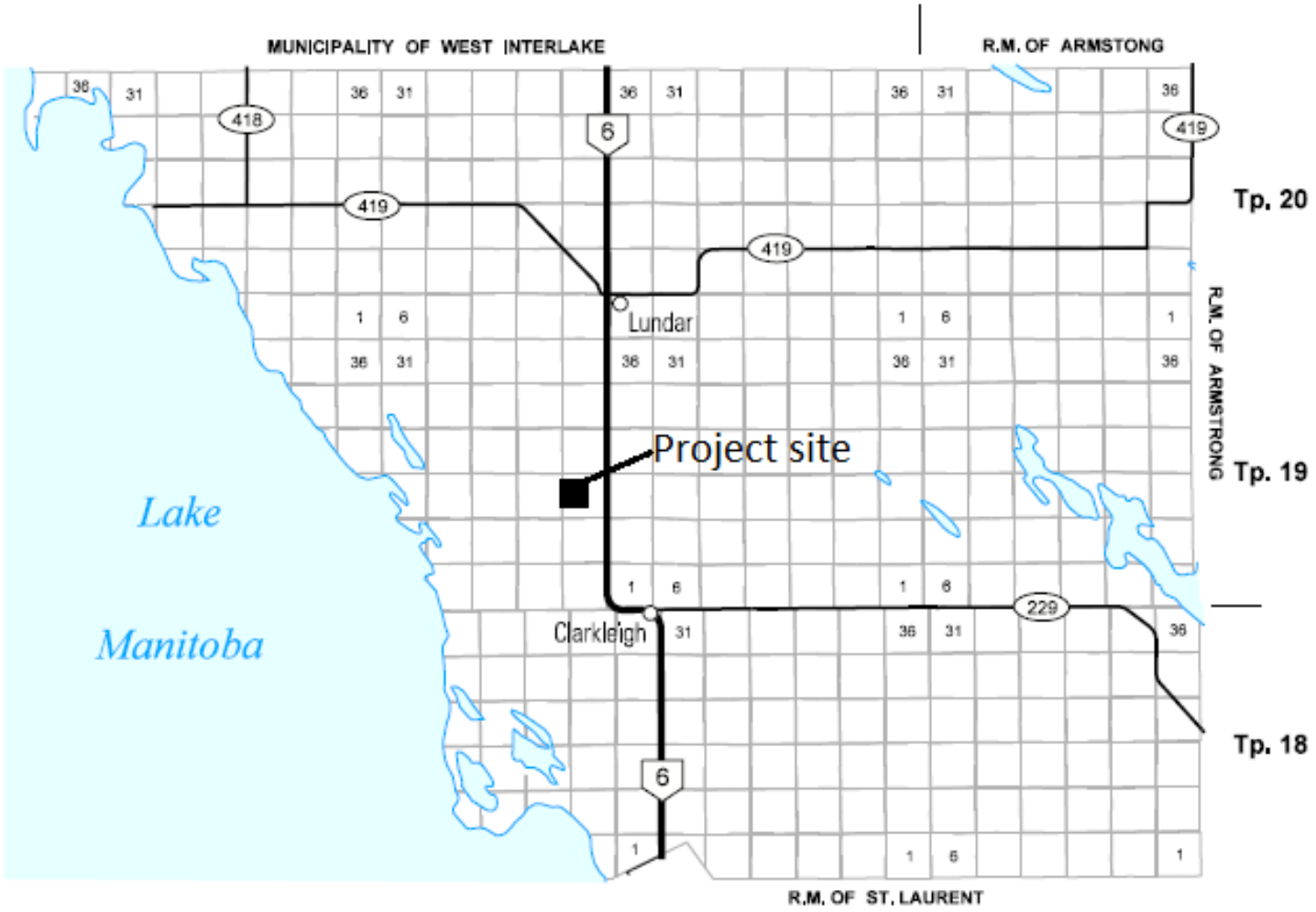
R.M. OF COLDWELL

0 5
SCALE IN KILOMETRES

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

LEGEND

PROVINCIAL TRUNK HIGHWAYS 6
PROVINCIAL ROADS 419
ACCESS ROADS .....



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 associa	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 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		-		-
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:	-	Total Proposed:	-

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

Manitoba

Alternate estimate of animal units (AU) for the livestock inventories:

1 AU = 6 ewes (in consultation with MAFRD)

	Existing	Proposed
AU	**833**	**5000**

Gmail

Desalegn Edossa
<desalegn.southmaneng@gmail.com>

Canada Sheep and Lamb - Lundar

1 message

Friesen, Chris (SD) <Chris.Friesen@gov.mb.ca> Fri, Apr 7, 2017 at 2:42 PM
To: "desalegn.southmaneng@gmail.com" <desalegn.southmaneng@gmail.com>

Deslagn

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/conservation/cdc/

-----Original Message-----
From:
Sent: April-06-17 8:29 AM
To: Friesen, Chris (SD)
Subject: WWW Form Submission

Below is the result of your feedback form. It was submitted by WWW Information Request () on Thursday, April 6, 2017 at 08:28:37

DocumentID: Manitoba_Conservation

Project Title: Canada Sheep and Lamb - Lundar

Date Needed: 2017/04/13

Name: Desalegn Edossa

Company/Organization: Soth-Man Engineering

Address: 15-1599 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 livestock operation - expansion of sheep production to 20,000 ewes.

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

Format Requested: Microsoft Word Document as email attachment.

Location: NW 14-19-5W in the RM of Coldwell.

action: Submit

CROP ROTATION TABLE

A	B	C	D	E
Expected Crops in the Rotation	**Acreage**	**Historical Yield**	**Units**	**Source of Yield Information**
Alfalfa	1,176	2.39	tonnes/ac	MASC
Corn Silage	758	3.90	tons/ac	MASC
Grass Hay	2,606	1.47	tons/ac	MASC
Oats	406	55.3	bu/ac	MASC
Canola	390	31.3	bu/ac	MASC
Total Net Acreage for Manure Application	5,336			

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.

Manitoba Agriculture Food and Rural Development
Land Base Calculator

Colour Conventions:

Farm specific data can be entered in the yellow cells of each tab. Where appropriate, default values have been provided but can be chang

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 requirements for nitrogen (N) and phosphorus (P_2O_5) are provided in the amber cells on tab 4.

Data Entry and Tab Information:

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 Provinical Technical Review Site Asses

Total nitrogen (N) and total phosphorus (P_2O_5) excreted by the livestock are summarized on tab 3.

Nutrient excretion, crop nutrient use and acres required for nitrogen (N) and phosphorus (P_2O_5) are summarized on tab 4.

For assistance, contact:

Clay Sawka, Nutrient Management Specialist, MAFRD, (204) 750-3066
Petra Loro, Livestock Environment Specialist, MAFRD, (204) 945-3869

Last revised January 27, 2016

Sheep/Operation Type	Storage Type	Volatilization	Animal Numbers	Weight In lb	Weight Out lb	Ave Weight lb	Days on Feed	Cycles per Year	N Excreted per Flock adjusted for Loss lb/flock/yr	P2O5 Excreted Per Flock lb/flock/yr
Ewes	Field Storage	40%	30000	120	170	145	365	1	428615	254470
Replacement Ewes	Field Storage	40%	0	45	80	63	210	1	0	0
Rams	Field Storage	40%	375	100	200	150	365	1	5542	3291
Lambs	Field Storage	40%	17091	8	45	27	70	1.4	11982	7114
Ewes, plus assoc livestock	Field Storage	40%	0	n/a	n/a	n/a	n/a	n/a	0	0
Feeder	Field Storage	40%	0	45	100	73	365	1	0	0

LIVESTOCK MANURE SPREADING AGREEMENT

Between: Canada Sheep Lamb _____ Hereafter referred to as "Livestock Operator"
Please print Signature

And: Kevin B _____ Hereafter referred to as:
Please print Signature
☐ "Landowner" *or*
☐ "Land Renter"

Date: April 2/2017

The duration of this agreement is of 5 years, beginning at the above date.

Additional terms of this contractual agreement for agricultural inputs and Acts and regulations implicit to this agreement are presented on page 2.

Responsibilities of the Landowner or the Land Renter

Land Parcels selected as potential fields to receive manure

Field	Legal location	(Check one) Owned	(Check one) Rented	Nominal size (acres)	Area available for spreading (acres; exclusive of setbacks see p. 2)	Cropping Intentions	Preferred Application Time
1	SW 35-19-5W	☐	☑	15	15	Soy Beans	After
2	35-19-5	☐	☑	20 Acres.		Soy Beans	Hay

The Landowner or Land Renter: *(Check where applicable/proposed)* SW 35 19 5W.

☑ will keep this document and any other related records in his files;
☑ will notify the Livestock Operator of the dates those fields will be available for spreading;
☐ agrees to purchase manure nutrient at a rate of $ _____ per ☐ 1000 gal or ☐ tonne, conditional to manure being applied with the method and time as specified below by the Livestock Operator;
☑ will incorporate manure within 48 hours of broadcast applications if agreed to as part of the manure application method (below).

Responsibilities of the Livestock Operator

Field Application Details

Time of Application ☐ Spring ☐ Summer ☑ Fall

Application method ☐ Broadcast ☑ Broadcast and incorporate within 48 hours ☐ Injection ☐ Irrigation/sprinkler

Applicator

Livestock Operator ☑

Custom applicator ☐ Name of applicator: _____

Anticipated Manure Application Starting Date: _____

The Livestock Operator: *(Check where applicable/proposed)*

☑ will keep track of these records, but will not disclose them without the consent of the Landowner and the Land Renter;
☑ will pay all costs for soil testing and these results will be made available to both the Landowner and the Land Renter;
☑ will carry a manure analysis test and the results will be made available to both the Landowner and the Land Renter;
☑ will calculate the manure application rate for each field on the basis of (check only one):
- ☐ the soil test recommendations for plant nitrogen requirements or
- ☑ the soil test recommendations for plant phosphorus requirements
- ☐ general soil fertility recommendations as per the *Soil Fertility Guide* (Manitoba Agriculture and Food) or the *Farm Practices Guidelines for Beef/Dairy/Hog/Poultry Producers in Manitoba* series

☑ will provide a proof of calibration for the manure spreading equipment;
☑ will notify the Landowner and the Land Renter of changes in anticipated dates and rates of application in volume and crop nutrient (N, P ,K);
☑ will have a manure management plan prepared by a professional agrologist, along with field map(s) highlighting setbacks to observe;
☑ will provide a copy overall manure management plan to the Landowner and the Land Renter, if applicable.

LIVESTOCK MANURE SPREADING AGREEMENT

Between: Canada Sheep Lamb _____ Hereafter referred to as "Livestock Operator"
Please print Signature

And: Michael DesJarlais _____ Hereafter referred to as:
Please print Signature

☐ "Landowner" *or*
☐ "Land Renter"

Date: _____

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Land Parcels selected as potential fields to receive manure

Field	Legal location	(Check one) Owned	(Check one) Rented	Nominal size (acres)	Area available for spreading (acres; exclusive of setbacks see p. 2)	Cropping Intentions	Preferred Application Time
	NW 24-19 5W						
	SW 16-19 4W						
	NW 9-19 4W						

The Landowner or Land Renter: ***(Check where applicable/proposed)***

☑ will keep this document and any other related records in his files;
☑ will notify the Livestock Operator of the dates those fields will be available for spreading;
☐ agrees to purchase manure nutrient at a rate of $ _____ per ☐ 1000 gal or ☐ tonne, conditional to manure being applied with the method and time as specified below by the Livestock Operator;
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Anticipated Manure Application Starting Date: _____

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Between: Canada Sheep Lands — Please print — Signature — Hereafter referred to as "Livestock Operator"

And: Michael DesJarlais — Please print — Signature — Hereafter referred to as: ☐ "Landowner" *or* ☐ "Land Renter"

Date: March 23 / 2017

The duration of this agreement is of 5 years, beginning at the above date.

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Responsibilities of the Landowner or the Land Renter

Land Parcels selected as potential fields to receive manure

Field	Legal location	(Check one) Owned	(Check one) Rented	Nominal size (acres)	Area available for spreading (acres; exclusive of setbacks see p. 2)	Cropping Intentions	Preferred Application Time
	NW 20-19 4W						
	SW 20-19 4W						
	SE 20-19 4W						
	NE 20-19 4W						

The Landowner or Land Renter: *(Check where applicable/proposed)*

- ☑ will keep this document and any other related records in his files;
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Field Application Details

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Applicator

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Custom applicator ☐ Name of applicator: _____

Anticipated Manure Application Starting Date: _____

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Date: _____

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Field	Legal location	(Check one) Owned	(Check one) Rented	Nominal size (acres)	Area available for spreading (acres; exclusive of setbacks see p. 2)	Cropping Intentions	Preferred Application Time
	SW 30-19 4W						
	SE 30-19 4W						
	NE 16-19 4W						
	NW 16-19 4W						

The Landowner or Land Renter: ***(Check where applicable/proposed)***

- ☑ will keep this document and any other related records in his files;
- ☑ will notify the Livestock Operator of the dates those fields will be available for spreading;
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Date: _____

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	SW 19-19 4W						
	SE 19-19 4W						
	NW 19-19 4W						
	NE 19-19 4W						

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LIVESTOCK MANURE SPREADING AGREEMENT

Between: Canada Sheep Lamb _____ Hereafter referred to as "Livestock Operator"
Please print Signature

And: Farrell Pott Farrell Pott ☑ Hereafter referred to as:
Please print Signature ☑ "Landowner" *or*
204. 739 - 3078. ☐ "Land Renter"

Date: march 23/2017

The duration of this agreement is of 5 years, beginning at the above date.

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Land Parcels selected as potential fields to receive manure

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	NW 12 19 5W			~~150~~ 115		110	
	SE 24 19 5W			100		65 to 50	
	NE 25 19 5W			70		40 pastur 30 Farm land	
	NW 25 19 5W			113	hay land	Rented Land.	

The Landowner or Land Renter: *(Check where applicable/proposed)*

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- ☑ will provide a copy overall manure management plan to the Landowner and the Land Renter, if applicable.

LIVESTOCK MANURE SPREADING AGREEMENT

Between: Canada Sheep Lamb _____ Hereafter referred to as "Livestock Operator"
Please print Signature

Hereafter referred to as:

And: Mark Farthing _____ ☐ "Landowner" *or*
Please print Signature ☐ "Land Renter"

Date: March 20 / 2017

The duration of this agreement is of 5 years, beginning at the above date.

Additional terms of this contractual agreement for agricultural inputs and Acts and regulations implicit to this agreement are presented on page 2.

Responsibilities of the Landowner or the Land Renter

Land Parcels selected as potential fields to receive manure

Field	Legal location	(Check one) Owned	(Check one) Rented	Nominal size (acres)	Area available for spreading (acres; exclusive of setbacks see p. 2)	Cropping Intentions	Preferred Application Time
	SE 11 19 5W				160	110	
	SW 11 19 5W				160	100	
	NE 11 19 5W				160	90	
	NW 11 19 5W				160	100	

The Landowner or Land Renter: ***(Check where applicable/proposed)***

- ☑ will keep this document and any other related records in his files;
- ☑ will notify the Livestock Operator of the dates those fields will be available for spreading;
- ☐ agrees to purchase manure nutrient at a rate of $ _____ per ☐ 1000 gal or ☐ tonne, conditional to manure being applied with the method and time as specified below by the Livestock Operator;
- ☑ will incorporate manure within 48 hours of broadcast applications if agreed to as part of the manure application method (below).

Responsibilities of the Livestock Operator

Field Application Details

Time of Application: ☑ Spring ☐ Summer ☑ Fall

Application method: ☐ Broadcast ☑ Broadcast and incorporate within 48 hours ☐ Injection ☐ Irrigation/sprinkler

Applicator

Livestock Operator ☑

Custom applicator ☐ Name of applicator: _____

Anticipated Manure Application Starting Date: _____

The Livestock Operator: ***(Check where applicable/proposed)***

- ☑ will keep track of these records, but will not disclose them without the consent of the Landowner and the Land Renter;
- ☑ will pay all costs for soil testing and these results will be made available to both the Landowner and the Land Renter;
- ☑ will carry a manure analysis test and the results will be made available to both the Landowner and the Land Renter;
- ☑ will calculate the manure application rate for each field on the basis of (check only one):
  - ☐ the soil test recommendations for plant nitrogen requirements or
  - ☑ the soil test recommendations for plant phosphorus requirements
  - ☐ general soil fertility recommendations as per the *Soil Fertility Guide* (Manitoba Agriculture and Food) or the *Farm Practices Guidelines for Beef/Dairy/Hog/Poultry Producers in Manitoba* series
- ☑ will provide a proof of calibration for the manure spreading equipment;
- ☑ will notify the Landowner and the Land Renter of changes in anticipated dates and rates of application in volume and crop nutrient (N, P ,K);
- ☑ will have a manure management plan prepared by a professional agrologist, along with field map(s) highlighting setbacks to observe;
- ☑ will provide a copy overall manure management plan to the Landowner and the Land Renter, if applicable.

LIVESTOCK MANURE SPREADING AGREEMENT

Between: Canada Sheep Lamb _____ Hereafter referred to as "Livestock Operator"
Please print Signature

And: mark Farthing _____ Hereafter referred to as:
Please print Signature ☐ "Landowner" *or*
Jamie Farthing ☐ "Land Renter"

Date: Oct 1 2017

The duration of this agreement is of 5 years, beginning at the above date.

Additional terms of this contractual agreement for agricultural inputs and Acts and regulations implicit to this agreement are presented on page 2.

Responsibilities of the Landowner or the Land Renter

Land Parcels selected as potential fields to receive manure

Field	Legal location	(Check one) Owned	(Check one) Rented	Nominal size (acres)	Area available for spreading (acres; exclusive of setbacks see p. 2)	Cropping Intentions	Preferred Application Time
Mark	SW 14-19 5W			159.5	~~150~~ 160		
Mark	NW 23-19 5W			160	120		
Jamie	SE 15 19 5W			160	130		

The Landowner or Land Renter: ***(Check where applicable/proposed)***

- ☑ will keep this document and any other related records in his files;
- ☑ will notify the Livestock Operator of the dates those fields will be available for spreading;
- ☐ agrees to purchase manure nutrient at a rate of $ _____ per ☐ 1000 gal or ☐ tonne, conditional to manure being applied with the method and time as specified below by the Livestock Operator;
- ☑ will incorporate manure within 48 hours of broadcast applications if agreed to as part of the manure application method (below).

Responsibilities of the Livestock Operator

Field Application Details

Time of Application: ☑ Spring ☐ Summer ☑ Fall

Application method: ☐ Broadcast ☑ Broadcast and incorporate within 48 hours ☐ Injection ☐ Irrigation/sprinkler

Applicator

Livestock Operator ☑

Custom applicator ☐ Name of applicator: _____

Anticipated Manure Application Starting Date: _____

The Livestock Operator: ***(Check where applicable/proposed)***

- ☑ will keep track of these records, but will not disclose them without the consent of the Landowner and the Land Renter;
- ☑ will pay all costs for soil testing and these results will be made available to both the Landowner and the Land Renter;
- ☑ will carry a manure analysis test and the results will be made available to both the Landowner and the Land Renter;
- ☑ will calculate the manure application rate for each field on the basis of (check only one):
  - ☐ the soil test recommendations for plant nitrogen requirements or
  - ☑ the soil test recommendations for plant phosphorus requirements
  - ☐ general soil fertility recommendations as per the *Soil Fertility Guide* (Manitoba Agriculture and Food) or the *Farm Practices Guidelines for Beef/Dairy/Hog/Poultry Producers in Manitoba* series
- ☑ will provide a proof of calibration for the manure spreading equipment;
- ☑ will notify the Landowner and the Land Renter of changes in anticipated dates and rates of application in volume and crop nutrient (N, P ,K);
- ☑ will have a manure management plan prepared by a professional agrologist, along with field map(s) highlighting setbacks to observe;
- ☑ will provide a copy overall manure management plan to the Landowner and the Land Renter, if applicable.

LIVESTOCK MANURE SPREADING AGREEMENT

Between: Canada Sheep Lamb _____ Hereafter referred to as "Livestock Operator"
Please print Signature

And: Kevin Gudmundsen _____ Hereafter referred to as:
Please print Signature

☒ "Landowner" *or*
☐ "Land Renter"

Date: Nov 22-17

The duration of this agreement is of 5 years, beginning at the above date.

Additional terms of this contractual agreement for agricultural inputs and Acts and regulations implicit to this agreement are presented on page 2.

Responsibilities of the Landowner or the Land Renter

Land Parcels selected as potential fields to receive manure

Field	Legal location	(Check one) Owned	(Check one) Rented	Nominal size (acres)	Area available for spreading (acres; exclusive of setbacks see p. 2)	Cropping Intentions	Preferred Application Time
	SW 24-19-5W	X		160	130	Hayland	
	NE 15-19-5W	X		160	80	Pasture Tame Hay	
	NW 15-19-5W	X		160	80	Pasture	
	SW 15-19-5W	X		160	70	Pasture	

The Landowner or Land Renter: ***(Check where applicable/proposed)***

- ☑ will keep this document and any other related records in his files;
- ☑ will notify the Livestock Operator of the dates those fields will be available for spreading;
- ☐ agrees to purchase manure nutrient at a rate of $ _____ per ☐ 1000 gal or ☐ tonne, conditional to manure being applied with the method and time as specified below by the Livestock Operator;
- ☑ will incorporate manure within 48 hours of broadcast applications if agreed to as part of the manure application method (below).

Responsibilities of the Livestock Operator

Field Application Details

Time of Application: ☑ Spring ☐ Summer ☑ Fall

Application method: ☐ Broadcast ☑ Broadcast and incorporate within 48 hours ☐ Injection ☐ Irrigation/sprinkler

Applicator

Livestock Operator ☑

Custom applicator ☐ Name of applicator: _____

Anticipated Manure Application Starting Date: Oct 17 2017

The Livestock Operator: ***(Check where applicable/proposed)***

- ☑ will keep track of these records, but will not disclose them without the consent of the Landowner and the Land Renter;
- ☑ will pay all costs for soil testing and these results will be made available to both the Landowner and the Land Renter;
- ☑ will carry a manure analysis test and the results will be made available to both the Landowner and the Land Renter;
- ☑ will calculate the manure application rate for each field on the basis of (check only one):
  - ☐ the soil test recommendations for plant nitrogen requirements or
  - ☑ the soil test recommendations for plant phosphorus requirements
  - ☐ general soil fertility recommendations as per the *Soil Fertility Guide* (Manitoba Agriculture and Food) or the *Farm Practices Guidelines for Beef/Dairy/Hog/Poultry Producers in Manitoba* series
- ☑ will provide a proof of calibration for the manure spreading equipment;
- ☑ will notify the Landowner and the Land Renter of changes in anticipated dates and rates of application in volume and crop nutrient (N, P ,K);
- ☑ will have a manure management plan prepared by a professional agrologist, along with field map(s) highlighting setbacks to observe;
- ☑ will provide a copy overall manure management plan to the Landowner and the Land Renter, if applicable.

LIVESTOCK MANURE SPREADING AGREEMENT

Between: Canada Sheep Lamb (Please print) _____ (Signature) — Hereafter referred to as "Livestock Operator"

And: Jason Olafson (Please print) Jason Olafson (Signature) — Hereafter referred to as: ☑ "Landowner" *or* ☐ "Land Renter"

Date: March 15 2017

The duration of this agreement is of 5 years, beginning at the above date.

Additional terms of this contractual agreement for agricultural inputs and Acts and regulations implicit to this agreement are presented on page 2.

Responsibilities of the Landowner or the Land Renter

Land Parcels selected as potential fields to receive manure

Field	Legal location	(Check one) Owned	(Check one) Rented	Nominal size (acres)	Area available for spreading (acres; exclusive of setbacks see p. 2)	Cropping Intentions	Preferred Application Time
	NE14-19-5W	✓		155	110		
	NE 22-19-5W	✓		160	100		
	SE 22-19-5W	✓		155	110		
	SW 22-19-5W	✓		156	90		

The Landowner or Land Renter: ***(Check where applicable/proposed)***

- ☑ will keep this document and any other related records in his files;
- ☑ will notify the Livestock Operator of the dates those fields will be available for spreading;
- ☐ agrees to purchase manure nutrient at a rate of $ _____ per ☐ 1000 gal or ☐ tonne, conditional to manure being applied with the method and time as specified below by the Livestock Operator;
- ☑ will incorporate manure within 48 hours of broadcast applications if agreed to as part of the manure application method (below).

Responsibilities of the Livestock Operator

Field Application Details

Time of Application: ☑ Spring ☐ Summer ☑ Fall

Application method: ☐ Broadcast ☑ Broadcast and incorporate within 48 hours ☐ Injection ☐ Irrigation/sprinkler

Applicator

Livestock Operator ☑

Custom applicator ☐ Name of applicator: _____

Anticipated Manure Application Starting Date: _____

The Livestock Operator: ***(Check where applicable/proposed)***

- ☑ will keep track of these records, but will not disclose them without the consent of the Landowner and the Land Renter;
- ☑ will pay all costs for soil testing and these results will be made available to both the Landowner and the Land Renter;
- ☑ will carry a manure analysis test and the results will be made available to both the Landowner and the Land Renter;
- ☑ will calculate the manure application rate for each field on the basis of (check only one):
  - ☐ the soil test recommendations for plant nitrogen requirements or
  - ☑ the soil test recommendations for plant phosphorus requirements
  - ☐ general soil fertility recommendations as per the *Soil Fertility Guide* (Manitoba Agriculture and Food) or the *Farm Practices Guidelines for Beef/Dairy/Hog/Poultry Producers in Manitoba* series
- ☑ will provide a proof of calibration for the manure spreading equipment;
- ☑ will notify the Landowner and the Land Renter of changes in anticipated dates and rates of application in volume and crop nutrient (N, P ,K);
- ☑ will have a manure management plan prepared by a professional agrologist, along with field map(s) highlighting setbacks to observe;
- ☑ will provide a copy overall manure management plan to the Landowner and the Land Renter, if applicable.

LIVESTOCK MANURE SPREADING AGREEMENT

Between: Canada Sheep Lamb (Please print) _____ (Signature) Hereafter referred to as "Livestock Operator"

And: Farrel Pot (Please print) Farrell Pot (Signature) Hereafter referred to as:
☐ "Landowner" *or*
☐ "Land Renter"

Date: _____

The duration of this agreement is of 5 years, beginning at the above date.

Additional terms of this contractual agreement for agricultural inputs and Acts and regulations implicit to this agreement are presented on page 2.

Responsibilities of the Landowner or the Land Renter

Land Parcels selected as potential fields to receive manure

Field	Legal location	(Check one) Owned	(Check one) Rented	Nominal size (acres)	Area available for spreading (acres; exclusive of setbacks see p. 2)	Cropping Intentions	Preferred Application Time
	SE 25-19 5W						
	SW 25-19 5W						
	NE 36 19 5W						
	SE 36 19 5W						

The Landowner or Land Renter: ***(Check where applicable/proposed)***

☑ will keep this document and any other related records in his files;

☑ will notify the Livestock Operator of the dates those fields will be available for spreading;

☐ agrees to purchase manure nutrient at a rate of $ _____ per ☐ 1000 gal or ☐ tonne, conditional to manure being applied with the method and time as specified below by the Livestock Operator;

☑ will incorporate manure within 48 hours of broadcast applications if agreed to as part of the manure application method (below).

Responsibilities of the Livestock Operator

Field Application Details

Time of Application: ☐ Spring ☐ Summer ☑ Fall

Application method: ☐ Broadcast ☑ Broadcast and incorporate within 48 hours ☐ Injection ☐ Irrigation/sprinkler

Applicator

Livestock Operator ☑

Custom applicator ☐ Name of applicator: _____

Anticipated Manure Application Starting Date: _____

The Livestock Operator: ***(Check where applicable/proposed)***

☑ will keep track of these records, but will not disclose them without the consent of the Landowner and the Land Renter;

☑ will pay all costs for soil testing and these results will be made available to both the Landowner and the Land Renter;

☑ will carry a manure analysis test and the results will be made available to both the Landowner and the Land Renter;

☑ will calculate the manure application rate for each field on the basis of (check only one):

- ☐ the soil test recommendations for plant nitrogen requirements or
- ☑ the soil test recommendations for plant phosphorus requirements
- ☐ general soil fertility recommendations as per the *Soil Fertility Guide* (Manitoba Agriculture and Food) or the *Farm Practices Guidelines for Beef/Dairy/Hog/Poultry Producers in Manitoba* series

☑ will provide a proof of calibration for the manure spreading equipment;

☑ will notify the Landowner and the Land Renter of changes in anticipated dates and rates of application in volume and crop nutrient (N, P ,K);

☑ will have a manure management plan prepared by a professional agrologist, along with field map(s) highlighting setbacks to observe;

☑ will provide a copy overall manure management plan to the Landowner and the Land Renter, if applicable.

LIVESTOCK MANURE SPREADING AGREEMENT

Between: Canada Sheep Lamb — Please print — Signature — Hereafter referred to as "Livestock Operator"

And: Kevin Gudmundsson — Please print — Signature — Hereafter referred to as:
☐ "Landowner" *or*
☐ "Land Renter"

Date: _____

The duration of this agreement is of 5 years, beginning at the above date.

Additional terms of this contractual agreement for agricultural inputs and Acts and regulations implicit to this agreement are presented on page 2.

Responsibilities of the Landowner or the Land Renter

Land Parcels selected as potential fields to receive manure

Field	Legal location	(Check one) Owned	(Check one) Rented	Nominal size (acres)	Area available for spreading (acres; exclusive of setbacks see p. 2)	Cropping Intentions	Preferred Application Time
	SE 16 19 5W						
	SW 16 19 5W						

The Landowner or Land Renter: ***(Check where applicable/proposed)***

☑ will keep this document and any other related records in his files;

☑ will notify the Livestock Operator of the dates those fields will be available for spreading;

☐ agrees to purchase manure nutrient at a rate of $ _____ per ☐ 1000 gal or ☐ tonne, conditional to manure being applied with the method and time as specified below by the Livestock Operator;

☑ will incorporate manure within 48 hours of broadcast applications if agreed to as part of the manure application method (below).

Responsibilities of the Livestock Operator

Field Application Details

Time of Application: ☐ Spring ☐ Summer ☑ Fall

Application method: ☐ Broadcast ☑ Broadcast and incorporate within 48 hours ☐ Injection ☐ Irrigation/sprinkler

Applicator

Livestock Operator ☑

Custom applicator ☐ Name of applicator: _____

Anticipated Manure Application Starting Date: _____

The Livestock Operator: ***(Check where applicable/proposed)***

☑ will keep track of these records, but will not disclose them without the consent of the Landowner and the Land Renter;

☑ will pay all costs for soil testing and these results will be made available to both the Landowner and the Land Renter;

☑ will carry a manure analysis test and the results will be made available to both the Landowner and the Land Renter;

☑ will calculate the manure application rate for each field on the basis of (check only one):

- ☐ the soil test recommendations for plant nitrogen requirements or
- ☑ the soil test recommendations for plant phosphorus requirements
- ☐ general soil fertility recommendations as per the *Soil Fertility Guide* (Manitoba Agriculture and Food) or the *Farm Practices Guidelines for Beef/Dairy/Hog/Poultry Producers in Manitoba* series

☑ will provide a proof of calibration for the manure spreading equipment;

☑ will notify the Landowner and the Land Renter of changes in anticipated dates and rates of application in volume and crop nutrient (N, P ,K);

☑ will have a manure management plan prepared by a professional agrologist, along with field map(s) highlighting setbacks to observe;

☑ will provide a copy overall manure management plan to the Landowner and the Land Renter, if applicable.

LIVESTOCK MANURE SPREADING AGREEMENT

Between: Canada Sheep Lamb — Please print — Signature — Hereafter referred to as "Livestock Operator"

And: Kevin Gudmundsen — Please print — Signature — Hereafter referred to as:
☐ "Landowner" *or*
☐ "Land Renter"

Kevien

Date: _____

The duration of this agreement is of 5 years, beginning at the above date.

Additional terms of this contractual agreement for agricultural inputs and Acts and regulations implicit to this agreement are presented on page 2.

Responsibilities of the Landowner or the Land Renter

Land Parcels selected as potential fields to receive manure

Field	Legal location	(Check one) Owned	(Check one) Rented	Nominal size (acres)	Area available for spreading (acres; exclusive of setbacks see p. 2)	Cropping Intentions	Preferred Application Time
	NE 9-19 5W						
	SE 8-19 5W						
	NW 4-19 5W						

The Landowner or Land Renter: ***(Check where applicable/proposed)***

☑ will keep this document and any other related records in his files;

☑ will notify the Livestock Operator of the dates those fields will be available for spreading;

☐ agrees to purchase manure nutrient at a rate of $ _____ per ☐ 1000 gal or ☐ tonne, conditional to manure being applied with the method and time as specified below by the Livestock Operator;

☑ will incorporate manure within 48 hours of broadcast applications if agreed to as part of the manure application method (below).

Responsibilities of the Livestock Operator

Field Application Details

Time of Application: ☐ Spring ☐ Summer ☑ Fall

Application method: ☐ Broadcast ☑ Broadcast and incorporate within 48 hours ☐ Injection ☐ Irrigation/sprinkler

Applicator

Livestock Operator ☑

Custom applicator ☐ Name of applicator: _____

Anticipated Manure Application Starting Date: _____

The Livestock Operator: ***(Check where applicable/proposed)***

☑ will keep track of these records, but will not disclose them without the consent of the Landowner and the Land Renter;

☑ will pay all costs for soil testing and these results will be made available to both the Landowner and the Land Renter;

☑ will carry a manure analysis test and the results will be made available to both the Landowner and the Land Renter;

☑ will calculate the manure application rate for each field on the basis of (check only one):

- ☐ the soil test recommendations for plant nitrogen requirements or
- ☑ the soil test recommendations for plant phosphorus requirements
- ☐ general soil fertility recommendations as per the *Soil Fertility Guide* (Manitoba Agriculture and Food) or the *Farm Practices Guidelines for Beef/Dairy/Hog/Poultry Producers in Manitoba* series

☑ will provide a proof of calibration for the manure spreading equipment;

☑ will notify the Landowner and the Land Renter of changes in anticipated dates and rates of application in volume and crop nutrient (N, P ,K);

☑ will have a manure management plan prepared by a professional agrologist, along with field map(s) highlighting setbacks to observe;

☑ will provide a copy overall manure management plan to the Landowner and the Land Renter, if applicable.

Between: Canada Sheep Lamb — Hereafter referred to as "Livestock Operator"

Please print — Signature

Hereafter referred to as:

And: Olaf christgau — ☐ "Landowner" or

Please print — Signature — ☐ "Land Renter"

Lenny Farthing

Date: _____

The duration of this agreement is of 5 years, beginning at the above date.

Additional terms of this contractual agreement for agricultural inputs and Acts and regulations implicit to this agreement are presented on page 2.

Responsibilities of the Landowner or the Land Renter

Land Parcels selected as potential fields to receive manure

Field	Legal location	(Check one) Owned	(Check one) Rented	Nominal size (acres)	Area available for spreading (acres; exclusive of setbacks see p. 2)	Cropping Intentions	Preferred Application Time
L.F.	~~NE 10-19-5W~~ NE 10-19 5W					12W	

The Landowner or Land Renter: ***(Check where applicable/proposed)***

- ☑ will keep this document and any other related records in his files;
- ☑ will notify the Livestock Operator of the dates those fields will be available for spreading;
- ☐ agrees to purchase manure nutrient at a rate of $ _____ per ☐ 1000 gal or ☐ tonne, conditional to manure being applied with the method and time as specified below by the Livestock Operator;
- ☑ will incorporate manure within 48 hours of broadcast applications if agreed to as part of the manure application method (below).

Responsibilities of the Livestock Operator

Field Application Details

Time of Application: ☐ Spring ☐ Summer ☑ Fall

Application method: ☐ Broadcast ☑ Broadcast and incorporate within 48 hours ☐ Injection ☐ Irrigation/sprinkler

Applicator

Livestock Operator ☑

Custom applicator ☐ Name of applicator: _____

Anticipated Manure Application Starting Date: _____

The Livestock Operator: ***(Check where applicable/proposed)***

- ☑ will keep track of these records, but will not disclose them without the consent of the Landowner and the Land Renter;
- ☑ will pay all costs for soil testing and these results will be made available to both the Landowner and the Land Renter;
- ☑ will carry a manure analysis test and the results will be made available to both the Landowner and the Land Renter;
- ☑ will calculate the manure application rate for each field on the basis of (check only one):
  - ☐ the soil test recommendations for plant nitrogen requirements or
  - ☑ the soil test recommendations for plant phosphorus requirements
  - ☐ general soil fertility recommendations as per the *Soil Fertility Guide* (Manitoba Agriculture and Food) or the *Farm Practices Guidelines for Beef/Dairy/Hog/Poultry Producers in Manitoba* series
- ☑ will provide a proof of calibration for the manure spreading equipment;
- ☑ will notify the Landowner and the Land Renter of changes in anticipated dates and rates of application in volume and crop nutrient (N, P ,K);
- ☑ will have a manure management plan prepared by a professional agrologist, along with field map(s) highlighting setbacks to observe;
- ☑ will provide a copy overall manure management plan to the Landowner and the Land Renter, if applicable.

LIVESTOCK MANURE SPREADING AGREEMENT

Between: Canada Sheep Lamb _____ Hereafter referred to as "Livestock Operator"
Please print Signature

And: James Law _____ Hereafter referred to as:
Please print Signature

☑ "Landowner" or
☐ "Land Renter"

Date: _____

The duration of this agreement is of 5 years, beginning at the above date.

Additional terms of this contractual agreement for agricultural inputs and Acts and regulations implicit to this agreement are presented on page 2.

Responsibilities of the Landowner or the Land Renter

Land Parcels selected as potential fields to receive manure

Field	Legal location	(Check one) Owned	(Check one) Rented	Nominal size (acres)	Area available for spreading (acres; exclusive of setbacks see p. 2)	Cropping Intentions	Preferred Application Time
	SE 27-19-5W			160	110 Spreadable		

The Landowner or Land Renter: ***(Check where applicable/proposed)***

☑ will keep this document and any other related records in his files;
☑ will notify the Livestock Operator of the dates those fields will be available for spreading;
☐ agrees to purchase manure nutrient at a rate of $ N/A per ☐ 1000 gal or ☐ tonne, conditional to manure being applied with the method and time as specified below by the Livestock Operator;
☑ will incorporate manure within 48 hours of broadcast applications if agreed to as part of the manure application method (below).

Responsibilities of the Livestock Operator

Field Application Details

Time of Application: ☐ Spring ☐ Summer ☑ Fall

Application method: ☐ Broadcast ☑ Broadcast and incorporate within 48 hours ☐ Injection ☐ Irrigation/sprinkler

Applicator

Livestock Operator ☑

Custom applicator ☐ Name of applicator: _____

Anticipated Manure Application Starting Date: _____

The Livestock Operator: ***(Check where applicable/proposed)***

☑ will keep track of these records, but will not disclose them without the consent of the Landowner and the Land Renter;
☑ will pay all costs for soil testing and these results will be made available to both the Landowner and the Land Renter;
☑ will carry a manure analysis test and the results will be made available to both the Landowner and the Land Renter;
☑ will calculate the manure application rate for each field on the basis of (check only one):
- ☐ the soil test recommendations for plant nitrogen requirements or
- ☑ the soil test recommendations for plant phosphorus requirements
- ☐ general soil fertility recommendations as per the *Soil Fertility Guide* (Manitoba Agriculture and Food) or the *Farm Practices Guidelines for Beef/Dairy/Hog/Poultry Producers in Manitoba* series

☑ will provide a proof of calibration for the manure spreading equipment;
☑ will notify the Landowner and the Land Renter of changes in anticipated dates and rates of application in volume and crop nutrient (N, P ,K);
☑ will have a manure management plan prepared by a professional agrologist, along with field map(s) highlighting setbacks to observe;
☑ will provide a copy overall manure management plan to the Landowner and the Land Renter, if applicable.

needs to have soil test done

LIVESTOCK MANURE SPREADING AGREEMENT

Between: Canada Sheep Lamb — Please print — Signature — Hereafter referred to as "Livestock Operator"

And: James Law — Please print — Signature — Hereafter referred to as:
- ☐ "Landowner" or
- ☐ "Land Renter"

Date: _____

The duration of this agreement is of 5 years, beginning at the above date.

Additional terms of this contractual agreement for agricultural inputs and Acts and regulations implicit to this agreement are presented on page 2.

Responsibilities of the Landowner or the Land Renter

Land Parcels selected as potential fields to receive manure

Field	Legal location	(Check one) Owned	(Check one) Rented	Nominal size (acres)	Area available for spreading (acres; exclusive of setbacks see p. 2)	Cropping Intentions	Preferred Application Time
	NW 17-19-4W	160			160		any time

The Landowner or Land Renter: ***(Check where applicable/proposed)***

- ☑ will keep this document and any other related records in his files;
- ☑ will notify the Livestock Operator of the dates those fields will be available for spreading;
- ☐ agrees to purchase manure nutrient at a rate of $ _____ per ☐ 1000 gal or ☐ tonne, conditional to manure being applied with the method and time as specified below by the Livestock Operator;
- ☑ will incorporate manure within 48 hours of broadcast applications if agreed to as part of the manure application method (below).

Responsibilities of the Livestock Operator

Field Application Details

Time of Application: ☐ Spring ☐ Summer ☑ Fall

Application method: ☐ Broadcast ☑ Broadcast and incorporate within 48 hours ☐ Injection ☐ Irrigation/sprinkler

Applicator

Livestock Operator ☑

Custom applicator ☐ Name of applicator: _____

Anticipated Manure Application Starting Date: _____

The Livestock Operator: ***(Check where applicable/proposed)***

- ☑ will keep track of these records, but will not disclose them without the consent of the Landowner and the Land Renter;
- ☑ will pay all costs for soil testing and these results will be made available to both the Landowner and the Land Renter;
- ☑ will carry a manure analysis test and the results will be made available to both the Landowner and the Land Renter;
- ☑ will calculate the manure application rate for each field on the basis of (check only one):
  - ☐ the soil test recommendations for plant nitrogen requirements or
  - ☑ the soil test recommendations for plant phosphorus requirements
  - ☐ general soil fertility recommendations as per the *Soil Fertility Guide* (Manitoba Agriculture and Food) or the Farm *Practices Guidelines for Beef/Dairy/Hog/Poultry Producers in Manitoba* series
- ☑ will provide a proof of calibration for the manure spreading equipment;
- ☑ will notify the Landowner and the Land Renter of changes in anticipated dates and rates of application in volume and crop nutrient (N, P ,K);
- ☑ will have a manure management plan prepared by a professional agrologist, along with field map(s) highlighting setbacks to observe;
- ☑ will provide a copy overall manure management plan to the Landowner and the Land Renter, if applicable.

LIVESTOCK MANURE SPREADING AGREEMENT

Between: Canada Sheepland ________ [signature] ________ Hereafter referred to as "Livestock Operator"

Please print — Signature

And: Jame Johnson ________ [signature] ________ Hereafter referred to as:

Please print — Signature

☐ "Landowner" or

☐ "Land Renter"

Date: ________________________

The duration of this agreement is of ____5____ years, beginning at the above date.

Additional terms of this contractual agreement for agricultural inputs and Acts and regulations implicit to this agreement are presented on page 2.

Responsibilities of the Landowner or the Land Renter

Land Parcels selected as potential fields to receive manure

Field	Legal location	(Check one) Owned	Rented	Nominal size (acres)	Area available for spreading (acres, exclusive of setbacks [illegible])	Cropping Intentions	Preferred Application Time
SW	30-20 - 5W	160		160	160	Corn Silage	fall
NW	30-20 5W	160		160	160	"	"
SE	25-20 6W	160		160	160	"	"
NW	15-20 5W	160		160	160	"	"

The Landowner or Land Renter: *(Check where applicable/proposed)*

☑ will keep this document and any other related records in his files;

☑ will notify the Livestock Operator of the dates those fields will be available for spreading;

☐ agrees to purchase manure nutrient at a rate of $ ________ per ☐ 1000 gal or ☐ tonne, conditional to manure being applied with the method and time as specified below by the Livestock Operator;

☑ will incorporate manure within 48 hours of [illegible] applications if agreed to as part of the manure application method (below).

Responsibilities of the Livestock Operator

Field Application Details

Time of Application — ☐ Spring ☐ Summer ☑ Fall

Application method — ☐ Broadcast ☑ Broadcast and incorporate within 48 hours ☐ Injection ☐ Irrigation/sprinkler

Applicator

Livestock Operator ☑

Custom applicator ☐ Name of applicator: ________________________

Anticipated Manure Application Starting Date: ________________________

The Livestock Operator: *(Check where applicable/proposed)*

☑ will keep track of these records, but will not disclose them without the consent of the Landowner and the Land Renter;

☑ will pay all costs for soil testing and these results will be made available to both the Landowner and the Land Renter;

☐ will carry a manure analysis test and the results will be made available to both the Landowner and the Land Renter;

☐ will calculate the manure application rate for each field on the basis of (check only one):

☐ the soil test recommendations for plant nitrogen requirements or

☑ the soil test recommendations for plant phosphorus requirements

☐ general soil fertility recommendations as per the *Soil Fertility Guide* (Manitoba Agriculture and Food) or the *Farm Practices Guidelines for Beef/Dairy/Hog/Poultry Producers in Manitoba* series

☑ will provide a proof of calibration for the manure spreading equipment;

☑ will notify the Landowner and the Land Renter of changes in anticipated dates and rates of application in volume and crop nutrient (N, P, K);

☑ will have a manure management plan prepared by a professional agrologist, along with field map(s) highlighting setbacks to observe;

☑ will provide a copy overall manure management plan to the Landowner and the Land Renter, if applicable.

LIVESTOCK MANURE SPREADING AGREEMENT

Between: Canada Sheep Lands — Please print — Signature — Hereafter referred to as "Livestock Operator"

And: Jamie Johnson — Please print — Signature — Hereafter referred to as:
- ☐ "Landowner" *or*
- ☐ "Land Renter"

Date: _____

The duration of this agreement is of 5 years, beginning at the above date.

Additional terms of this contractual agreement for agricultural inputs and Acts and regulations implicit to this agreement are presented on page 2.

Responsibilities of the Landowner or the Land Renter

Land Parcels selected as potential fields to receive manure

Field	Legal location	(Check one) Owned	(Check one) Rented	Nominal size (acres)	Area available for spreading (acres; exclusive of setbacks see p. 2)	Cropping Intentions	Preferred Application Time
Corn	NW 18-20-5W	–		160	160	Corn	Fall
Corn	SE 26-20-6W	–		160	160	"	"
Corn	NW 32-20-5W	–		160	160	"	"
Corn	SW 32-20-5W	–		160	160	"	"

The Landowner or Land Renter: *(Check where applicable/proposed)*

- ☑ will keep this document and any other related records in his files;
- ☑ will notify the Livestock Operator of the dates those fields will be available for spreading;
- ☐ agrees to purchase manure nutrient at a rate of $ _____ per ☐ 1000 gal or ☐ tonne, conditional to manure being applied with the method and time as specified below by the Livestock Operator;
- ☑ will incorporate manure within 48 hours of broadcast applications if agreed to as part of the manure application method (below).

Responsibilities of the Livestock Operator

Field Application Details

Time of Application: ☐ Spring ☐ Summer ☑ Fall

Application method: ☐ Broadcast ☑ Broadcast and incorporate within 48 hours ☐ Injection ☐ Irrigation/sprinkler

Applicator

Livestock Operator ☑

Custom applicator ☐ Name of applicator: _____

Anticipated Manure Application Starting Date: _____

The Livestock Operator: *(Check where applicable/proposed)*

- ☑ will keep track of these records, but will not disclose them without the consent of the Landowner and the Land Renter;
- ☑ will pay all costs for soil testing and these results will be made available to both the Landowner and the Land Renter;
- ☑ will carry a manure analysis test and the results will be made available to both the Landowner and the Land Renter;
- ☑ will calculate the manure application rate for each field on the basis of (check only one):
  - ☐ the soil test recommendations for plant nitrogen requirements or
  - ☑ the soil test recommendations for plant phosphorus requirements
  - ☐ general soil fertility recommendations as per the *Soil Fertility Guide* (Manitoba Agriculture and Food) or the Farm *Practices Guidelines for Beef/Dairy/Hog/Poultry Producers in Manitoba* series
- ☑ will provide a proof of calibration for the manure spreading equipment;
- ☑ will notify the Landowner and the Land Renter of changes in anticipated dates and rates of application in volume and crop nutrient (N, P ,K);
- ☑ will have a manure management plan prepared by a professional agrologist, along with field map(s) highlighting setbacks to observe;
- ☑ will provide a copy overall manure management plan to the Landowner and the Land Renter, if applicable.

LIVESTOCK MANURE SPREADING AGREEMENT

Between: Canada Sheep Lamb — Hereafter referred to as "Livestock Operator"
(Please print) (Signature)

And: Sonia Johnson — Hereafter referred to as:
(Please print) (Signature)

☐ "Landowner" *or*
☐ "Land Renter"

Date: _____

The duration of this agreement is of 5 years, beginning at the above date.

Additional terms of this contractual agreement for agricultural inputs and Acts and regulations implicit to this agreement are presented on page 2.

Responsibilities of the Landowner or the Land Renter

Land Parcels selected as potential fields to receive manure

Field	Legal location	(Check one) Owned	(Check one) Rented	Nominal size (acres)	Area available for spreading (acres; exclusive of setbacks see p. 2)	Cropping Intentions	Preferred Application Time
	SW SW 18-20-5W	✓	~~Corn~~	160	160	Corn	Fall
	SW SW 20-20-6W	✓	~~Corn~~	160	160	Corn	"
	SW 33-20-5W	✓		160	160	Alfalfa	"
6	NE 27-20-6W			160	160	Alfalfa	"

The Landowner or Land Renter: *(Check where applicable/proposed)*

- ☑ will keep this document and any other related records in his files;
- ☑ will notify the Livestock Operator of the dates those fields will be available for spreading;
- ☐ agrees to purchase manure nutrient at a rate of $ _____ per ☐ 1000 gal or ☐ tonne, conditional to manure being applied with the method and time as specified below by the Livestock Operator;
- ☑ will incorporate manure within 48 hours of broadcast applications if agreed to as part of the manure application method (below).

Responsibilities of the Livestock Operator

Field Application Details

Time of Application: ☐ Spring ☐ Summer ☑ Fall

Application method: ☐ Broadcast ☑ Broadcast and incorporate within 48 hours ☐ Injection ☐ Irrigation/sprinkler

Applicator

Livestock Operator ☑

Custom applicator ☐ Name of applicator: _____

Anticipated Manure Application Starting Date: _____

The Livestock Operator: *(Check where applicable/proposed)*

- ☑ will keep track of these records, but will not disclose them without the consent of the Landowner and the Land Renter;
- ☑ will pay all costs for soil testing and these results will be made available to both the Landowner and the Land Renter;
- ☑ will carry a manure analysis test and the results will be made available to both the Landowner and the Land Renter;
- ☑ will calculate the manure application rate for each field on the basis of (check only one):
  - ☐ the soil test recommendations for plant nitrogen requirements or
  - ☑ the soil test recommendations for plant phosphorus requirements
  - ☐ general soil fertility recommendations as per the *Soil Fertility Guide* (Manitoba Agriculture and Food) or the *Farm Practices Guidelines for Beef/Dairy/Hog/Poultry Producers in Manitoba* series
- ☑ will provide a proof of calibration for the manure spreading equipment;
- ☑ will notify the Landowner and the Land Renter of changes in anticipated dates and rates of application in volume and crop nutrient (N, P ,K);
- ☑ will have a manure management plan prepared by a professional agrologist, along with field map(s) highlighting setbacks to observe;
- ☑ will provide a copy overall manure management plan to the Landowner and the Land Renter, if applicable.

MANURE APPLICATION FIELD CHARACTERISTICS TABLE

	A	B	C	D	E	F	G	H	I	J
Field	Legal Description	Rural Municipality	O/C/L/A	Total Acreage	Setbacks, including features	Net Acreage for Manure Application	Agriculture Capability Class and Subclass	Soil Phosphorus (ppm Olsen P) 0-6 inches	Development Plan Designation	Zoning
1	SE 11-19-5W	Coldwell	A	89	3m; Roadside ditch, property line	87	4DP-5W-7W	3	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
2	SW 11-19-5W	Coldwell	A	74	3m; Roadside ditch, property line	72	4DP-5W-7W; 5W-7W	7	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
3	NE 11-19-5W	Coldwell	A	28	8m; Watercourse, Roadside ditch	23	4DP-5W-7W	2	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
4	NW 11-19-5W	Coldwell	A	73	8m; Watercourse, Roadside ditch	68	4DP-5W-7W; 5W-7W	4	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
5	NW 23-19-5W	Coldwell	A	89	3m; Property line	87	4DP-5W-7W	4	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
6	NW 12-19-5W	Coldwell	A	78	3m; Roadside ditch	76	4DP-5W-7W; 5W; 4DP-5W	4	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
7	SE 24-19-5W	Coldwell	A	67	3m; Roadside ditch	65	4DP-4DP-5W; 7W; 4DP-5W-7W; 5W-7W	21	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
8	NE 25-19-5W	Coldwell	A	101	3m; Roadside ditch	100	4DP-5W-7W; 5W-7W; 7W	6	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
9	NW 25-19-5W	Coldwell	A	112	8m; Watercourse, Roadside ditch	107	3D-3D-5W; 5W-7W	8	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
10	SE 25-19-5W	Coldwell	A	114	3m; Roadside ditch	113	5W-7W; 4DP-5W-7W; 7W	12	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
11	SW 25-19-5W	Coldwell	A	90	3m; Roadside ditch	89	3D-3D-5W; 5W-7W; 4DP-5W-7W	5	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
12	NE 36-19-5W	Coldwell	A	125	3m; Roadside ditch	123	5W; 3W	17	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
13	SE 36-19-5W	Coldwell	A	115	8m; Watercourse, Roadside ditch	112	5W;3D-5W; 5W-7W; 4D-5W-7W	24	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
14	NE 14-19-5W	Coldwell	A	106	No feature	106	4DP-4DP-5W	34	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
15	NE 22-19-5W	Coldwell	A	95	3m; Roadside ditch	94	5W-7W; 4DP-4DP-5W; 4DP-5W-7W	6	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
16	SE 22-19-5W	Coldwell	A	121	3m; Roadside ditch	120	4DP-4DP-5W; 4DP-5W-7W	10	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
17	SW 22-19-5W	Coldwell	A	98	3m; Roadside ditch	97	7W; 5W-7W; 4DP-4DP-5W	5	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
18	NW 15-19-5W	Coldwell	A	86	3m; Roadside ditch	85	5W-7W; 4DP-4DP-5W; 7W	5	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
19	SW 15-19-5W	Coldwell	A	104	3m; Roadside ditch	103	7W; 5W-7W	7	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
20	SE 16-19-5W	Coldwell	A	100	8m; Watercourse, Roadside ditch	97	7W; 5W-7W; 4DP-4DP-5W	6	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
					Total Net Acreage for Manure Application:	1,824				

Parcels with agricultural capability class 7W have been deducted while delineating useable areas online

A. _____ Enter the legal description for each parcel of land that will receive manure: Sec, Twp, Rge or River Lot (including parish).
B. _____ Identify the Rural Municipality in which the parcel is located.
C. _____ 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 (ex. C/A for Crown lands that are under a spread agreement with the producer that holds the agricultural Crown land lease).
D. _____ Enter the total acreage for the parcel.
E. _____ Enter setbacks from surface water or groundwater features that reduce the land available for manure application; include identification of type of feature (ex. 8m, Order 3 drain).
F. _____ 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.
G. _____ Enter the agriculture capability class and subclass ratings for the acreage available for manure application.
H. _____ 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 12 months old and must be completed by an accredited soil-testing laboratory.
I. _____ Indicate the Development Plan and its by-law number in addition to the map designation for each field (ex. By-law #1/2008: AG).
J. _____ Indicate the Zoning By-law and its by-law number in addition to the zoning for each field (ex. By-law 12/2009: AG 80).

MANURE APPLICATION FIELD CHARACTERISTICS TABLE

	A	B	C	D	E	F	G	H	I	J
Field	Legal Description	Rural Municipality	O/C/L/A	Total Acreage	Setbacks, including features	Net Acreage for Manure Application	Agriculture Capability Class and Subclass	Soil Phosphorus (ppm Olsen P) 0-6 inches	Development Plan Designation	Zoning
1	SW 16-19-5W	Coldwell	A	82	No feature	82	7W; 5W-7W	8	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
2	SW 24-19-5W	Coldwell	A	86	3m; Roadside ditch	84	7W; 5W-7W; 4DP-5W-7W	5	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
3	NW 24-19-5W	Coldwell	A	86	3m; Roadside ditch	85	7W; 4DP-4DP-5W; 4DP-5W-7W	7	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
4	SW 16-19-4W	Coldwell	A	78	8m; Watercourse	76	4DP-5W-7W	11	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
5	NE 16-19-4W	Coldwell	A	95	8m; Watercourse	91	4DP-5W-7W	7	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
6	NW 16-19-4W	Coldwell	A	101	3m; Roadside ditch	100	4DP-5W-7W	9	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
7	NW 19-19-4W	Coldwell	A	77	3m; Roadside ditch	76	7W; 5W-7W; 4DP-5W; 4DP-5W-7W	17	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
8	NE 19-19-4W	Coldwell	A	126	No feature	126	5W; 5W-7W; 4DP-5W	8	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
9	SW 19-19-4W	Coldwell	A	29	3m; Roadside ditch	29	7W; 5W-7W; 4DP-5W; 4DP-5W-7W	6	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
10	SE 19-19-4W	Coldwell	A	80	3m; Roadside ditch	79	7W; 4DP-5W; 4DP-4DP-5W	5	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
11	NW 9-19-4W	Coldwell	A	58	No feature	58	4DP-5W; 4DP-5W-7W	8	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
12	NW 20-19-4W	Coldwell	A	84	No feature	84	5W; 4DP-5W-7W; 4DP-5W	12	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
13	SW 20-19-4W	Coldwell	A	99	3m; Roadside ditch	98	5W; 4DP-4DP-5W; 4DP-5W-7W	7	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
14	SE 20-19-4W	Coldwell	A	67	3m; Roadside ditch	67	4DP-4DP-5W; 4DP-5W-7W	12	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
15	NE 20-19-4W	Coldwell	A	83	No feature	83	4DP-5W; 4DP-5W-7W	20	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
16	SE 30-19-4W	Coldwell	A	147	No feature	147	4DP-5W-7W; 4DP-5W; 5W	41	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
17	SW 30-19-4W	Coldwell	A	105	3m; Roadside ditch	104	4DP-5W-7W; 4DP-5W; 5W-7W; 5W	38	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
18	SE 27-19-5W	Coldwell	A	56	No feature	56	4DP-4DP-5W; 4DP-5W-7W; 5W-7W	16	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
19	NE 10-19-5W	Coldwell	A	75	No feature	75	4DP-5W-7W; 5W-7W; 7W	5	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
20	SW 35-19-5W	Coldwell	A	88	No feature	88	3D-3D-5W; 5W-7W	6	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG

Total Net Acreage for Manure Application: 1,688

Parcels with agricultural capability class 7W have been deducted while delineating useable areas online

A. _____ Enter the legal description for each parcel of land that will receive manure: Sec, Twp, Rge or River Lot (including parish).
B. _____ Identify the Rural Municipality in which the parcel is located.
C. _____ 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 (ex. C/A for Crown lands that are under a spread agreement with the producer that holds the agricultural Crown land lease).
D. _____ Enter the total acreage for the parcel.
E. _____ Enter setbacks from surface water or groundwater features that reduce the land available for manure application; include identification of type of feature (ex. 8m, Order 3 drain).
F. _____ 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.
G. _____ Enter the agriculture capability class and subclass ratings for the acreage available for manure application.
H. _____ 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 12 months old and must be completed by an accredited soil-testing laboratory.
I. _____ Indicate the Development Plan and its by-law number in addition to the map designation for each field (ex. By-law #1/2008: AG).
J. _____ Indicate the Zoning By-law and its by-law number in addition to the zoning for each field (ex. By-law 12/2009: AG 80).

MANURE APPLICATION FIELD CHARACTERISTICS TABLE

	A	B	C	D	E	F	G	H	I	J
Field	Legal Description	Rural Municipality	O/C/L/A	Total Acreage	Setbacks, including features	Net Acreage for Manure Application	Agriculture Capability Class and Subclass	Soil Phosphorus (ppm Olsen P) 0-6 inches	Development Plan Designation	Zoning
1	SW 30-20-5W	Coldwell	A	128	3m; Propery line, bush	125	4DP; 5W	30	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
2	NW 30-20-5W	Coldwell	A	145	3m; Propery line, bush	143	4DP; 4DP-5W; 5W	5	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
3	SE 25-20-6W	Coldwell	A	160	3m; Propery line	158	4DP; 5W	7	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
4	NW 15-20-5W	Coldwell	A	137	3m; Propery line, PTH, watercourse	88	4DP-5W; 5W	14	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
5	NW 18-20-5W	Coldwell	A	143	3m; Propery line, bush	140	4DP-4DP-5W; 5W	28	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
6	SE 26-20-6W	Coldwell	A	98	3m; Propery line, residence	97	4DP-5W; 5W	20	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
7	NW 32-20-5W	Coldwell	A	133	3m; Propery line, field drain	114	4DP-5W; 5W	12	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
8	SW 32-20-5W	Coldwell	A	157	3m; Propery line, bush	142	4DP-5W; 5W	6	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
9	SW 18-20-5W	Coldwell	A	152	3m; Propery line, bush	116	4DP-4DP-5W; 5W	8	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
10	SW 26-20-6W	Coldwell	A	141	3m; Propery line, bush	139	4DP; 4DP-5W	18	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
11	SW 33-20-5W	Coldwell	A	141	3m; Propery line, bush	139	4DP; 4DP-5W	13	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
12	NE 27-20-6W	Coldwell	A	143	3m; Propery line, residence, bush	111	4DP	38	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
13	SW 10-19-5W	Coldwell	A	95	No feature	95	5W	6	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
14	NE 29-19-5W	Coldwell	A	77	No feature	77	4DP-4DP-5W; 5W	8	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
15	SW 6-20-5W	Coldwell	A	140	No feature	140	4DP-4DP-5W	5	BY–LAW N0. 2/04: AG	BY–LAW N0. 5/05: AG
16										
17										
18										
19										
20										

Total Net Acreage for Manure Application: 1,824

A. _____ Enter the legal description for each parcel of land that will receive manure: Sec, Twp, Rge or River Lot (including parish).
B. _____ Identify the Rural Municipality in which the parcel is located.
C. _____ 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 (ex. C/A for Crown lands that are under a spread agreement with the producer that holds the agricultural Crown land lease).
D. _____ Enter the total acreage for the parcel.
E. _____ Enter setbacks from surface water or groundwater features that reduce the land available for manure application; include identification of type of feature (ex. 8m, Order 3 drain).
F. _____ 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.
G. _____ Enter the agriculture capability class and subclass ratings for the acreage available for manure application.
H. _____ 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 12 months old and must be completed by an accredited soil-testing laboratory.
I. _____ Indicate the Development Plan and its by-law number in addition to the map designation for each field (ex. By-law #1/2008: AG).
J. _____ Indicate the Zoning By-law and its by-law number in addition to the zoning for each field (ex. By-law 12/2009: AG 80).

Animal Type (A)	Animal Sub-type (B)	Daily Manure Production				Production Period [2] (Days) (G)	Number of Animals [3] (Capacity) (H)	Total Manure Volume (ft^3) (FxGxH)	Total Manure Volume for Semi-Solid and Liquid Manure (Imp Gal)
		References (C)	Manure Type (D)	Default Manure Production (ft^3/animal/day) (E)	Operation Manure Production [1] (ft^3/animal/day) (F)				
Dairy (milking cows[4] and associated livestock)	Free Stall	Table 6, pg 59, FPGs for Dairy 1995	Semi-Solid [5]	3.5				-	0.0
			Solid	3.4				-	
			Liquid [5]	3.5				-	0.0
	Tie Stall		Semi-Solid [5]	3.6				-	0.0
			Solid	3.5				-	
			Liquid [5]	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				-	0.0
	Grower / Finisher (51 - 249 lbs)		Liquid	0.25				-	0.0

Animal Type	Type of Operation		Yearly Manure Production		Production Period [2] (Days)	Number of Birds [3] (Capacity)	Total Manure Volume (ft^3) (F/365xGxH)	Total Manure Volume for Semi-Solid and Liquid Manure (Imp Gal)
			Default Manure Production (ft^3/year/bird space)	Operation Manure Production [1] (ft^3/year/bird space)				
Chickens	Broilers – floor [6]	Table 3, pg 85, FPGs for Poultry 2000	1.23				-	
	Broiler breeder hens [7]		2.3				-	
	Broiler breeder pullets [6]		0.99				-	
	Roasters – floor [6]		1.16				-	
	Layers – cage [8]		2.33				-	0.0
	Layers – floor [7]		1.68				-	
	Layers – solid pack [9]						-	
	Pullets – cage [8]		0.71				-	0.0
	Pullets – floor [6]		0.75				-	
	Pullets – solid pack [9]						-	
Turkeys	Broilers [6]	Table 3, pg 85, FPGs for Poultry 2000	2.83				-	
	Heavy toms [6]		5.58				-	
	Heavy hens [6]		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:

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

[2] 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

[3] ENTER the total number of animals or birds that the operation can hold (e.g. barn or feedlot capacity).

[4] Milking cows includes all lactating and dry cows.

[5] Default manure production estimates for semi-solid and liquid dairy manure include manure and washwater from the milking parlour.

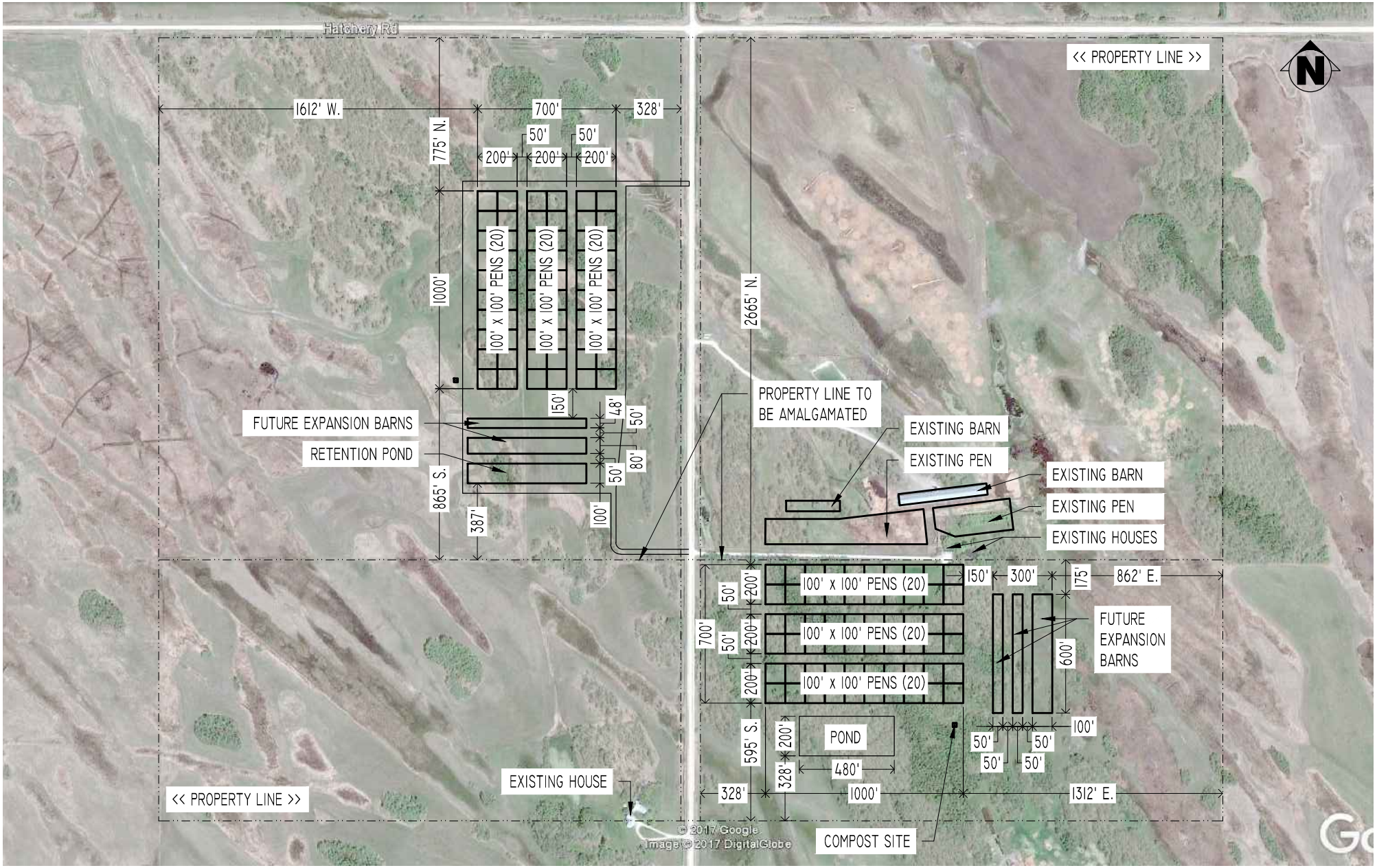
[6] 2 inches of wood shavings or 4 inches of straw placed on floor. Manure and litter removed from barn at 25% moisture content, with a density of 20 lb/ft^3

[7] 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^3

[8] Manure removed from barn at 90% moisture content with a density of 59 lb/ft^3

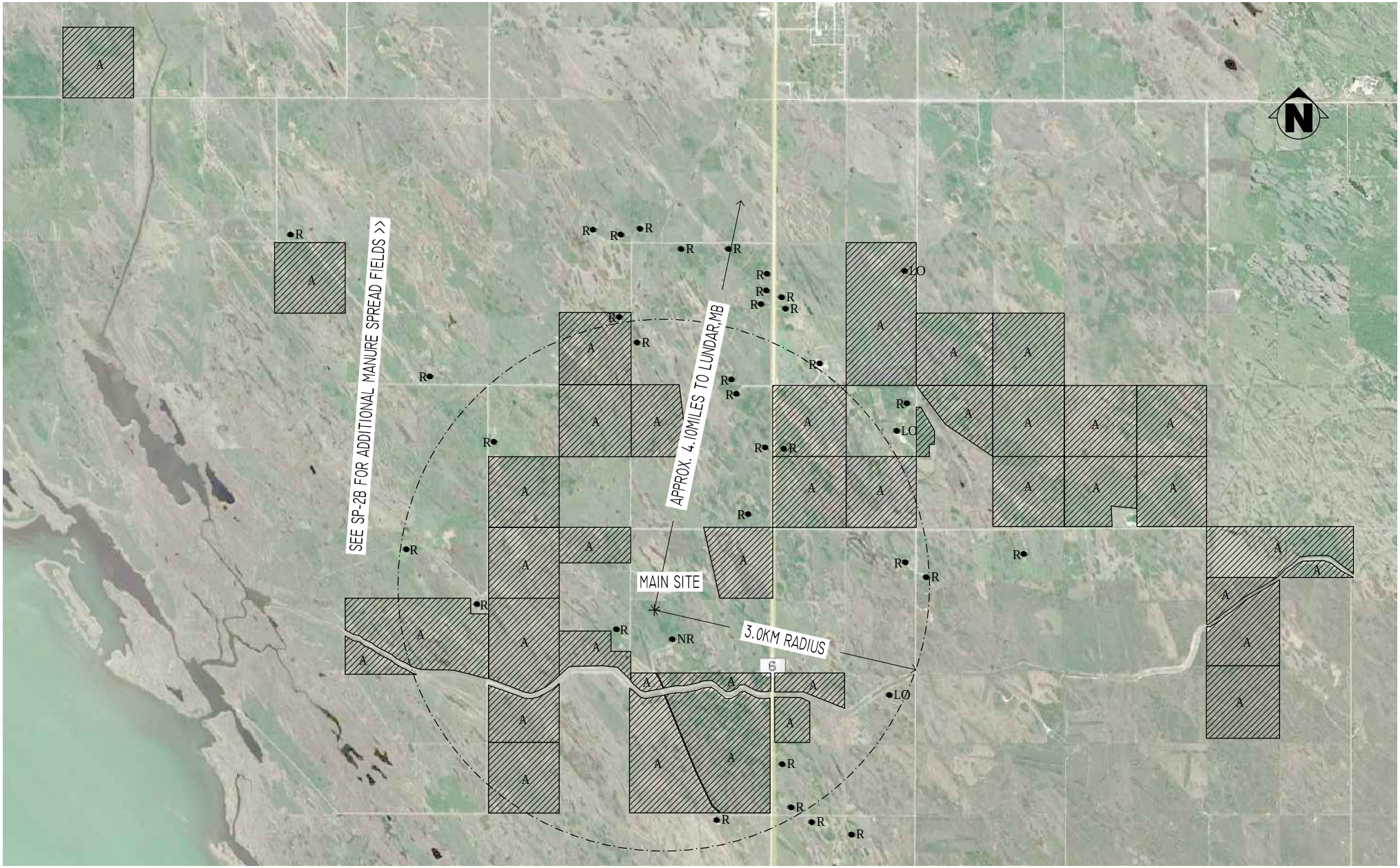
[9] Poultry operations using litter (solid pack) must provide an estimate of yearly manure production

This spread sheet does not account for sheep. Based on historical manure handlings, the annual manure production (feces and straw) is estimated to be 0.95 tons/ewe.



South-Man Engineering

PROJECT NAME: CANADA SHEEP & LAMB LUNDAR FARMS LTD.	BUILDING AREA: N/A
SHEET TITLE: SITE PLAN	DRAWN BY: R. FLORES SOUTH-MAN ENGINEERING
DATE DRAWN: JUNE 2017	DRAWING SCALE: N.T.S.
	SHEET NUMBER: SP-1



LEGEND:

LO	- LIVESTOCK OPERATIONS
A	- SPREAD FIELDS (AGREEMENT)
R	- RESIDENCE
NR	- NEAREST NEIGHBOR (APPROX 945')
———	- 3KM NOTIFICATION AREA FOR THE PUBLIC CONDITIONAL USE HEARING

South-Man Engineering

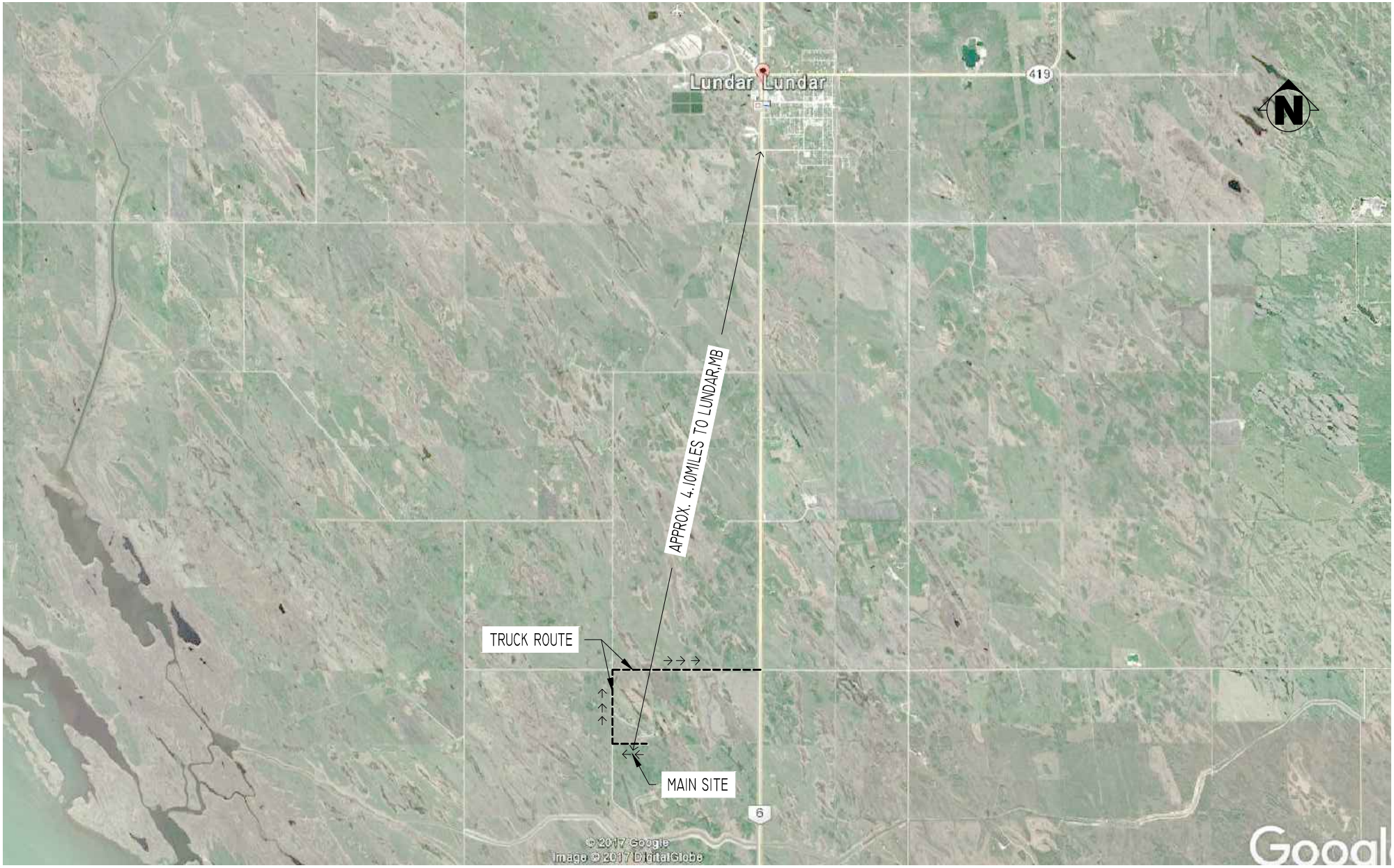
PROJECT NAME: CANADA SHEEP & LAMB LUNDAR FARMS LTD.	BUILDING AREA: N/A
SHEET TITLE: LAND USE & SPREAD FIELD MAP	DRAWN BY: R. FLORES SOUTH-MAN ENGINEERING
DATE DRAWN: JUNE 2017	DRAWING SCALE: N.T.S.
SHEET NUMBER: SP-2A	

LEGEND:

LO	- LIVESTOCK OPERATIONS
A	- SPREAD FIELDS (AGREEMENT)
R	- RESIDENCE
NR	- NEAREST NEIGHBOR (APPROX 945')
------	- 3KM NOTIFICATION AREA FOR THE PUBLIC CONDITIONAL USE HEARING

South-Man Engineering

PROJECT NAME: CANADA SHEEP & LAMB LUNDAR FARMS LTD.	BUILDING AREA: N/A
SHEET TITLE: LAND USE & SPREAD FIELD MAP	DRAWN BY: R. FLORES SOUTH-MAN ENGINEERING
DATE DRAWN: JUNE 2017	DRAWING SCALE: N.T.S.
SHEET NUMBER: SP-2B	



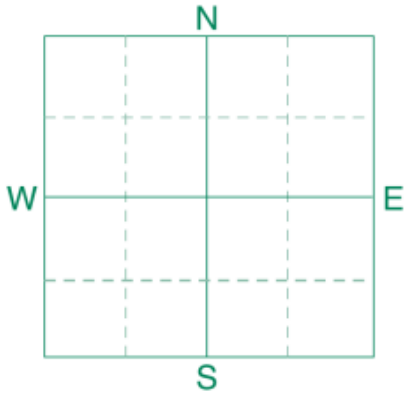
South-Man Engineering

PROJECT NAME: CANADA SHEEP & LAMB LUNDAR FARMS LTD.	BUILDING AREA: N/A
SHEET TITLE: TRUCK HAUL ROUTE	DRAWN BY: R. FLORES SOUTH-MAN ENGINEERING
DATE DRAWN: JUNE 2017	DRAWING SCALE: N.T.S.
	SHEET NUMBER: SP-3

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

SOIL TEST REPORT

FIELD ID **NW 09-19-04W1**
SAMPLE ID
FIELD NAME **NW 09-19-04W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **58**
PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1889406** BOX # **0**
LAB # **NW24524**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **18 lb/ac** 6-24" **33 lb/ac** 0-24'' **51 lb/ac**		**********		
Phosphorus	**Olsen 8 ppm**		**********		
Potassium	**272 ppm**		**********	**********	**********
Chloride					
Sulfur	0-6" **20 lb/ac** 6-24" **360 +lb/ac**		**********	**********	**********
Boron					
Zinc	**0.69 ppm**		**********		
Iron					
Manganese					
Copper	**1.36 ppm**		**********	**********	
Magnesium					
Calcium					
Sodium					
Org.Matter	**6.1 %**		**********	**********	**********
Carbonate(CCE)					
Sol. Salts	0-6" **0.8 mmho/cm** 6-24" **2.35 mmho/cm**		**********	**********	**********

1st Crop Choice		
Grass/Pasture		
YIELD GOAL		
5 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**99**	
P_2O_5	**46**	**Broadcast**
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**2**	**Broadcast (Trial)**
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

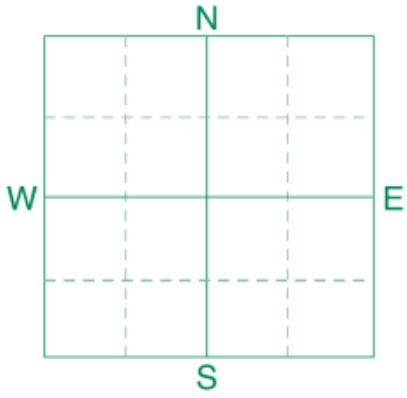
Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.4** 6-24" **8.4**							

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **SW 16-19-04W1**
SAMPLE ID
FIELD NAME **SW 16-19-04W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **78**
PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1889407** BOX # **0**
LAB # **NW24522**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **14 lb/ac** 6-24" **21 lb/ac** 0-24'' **35 lb/ac**	*******			
Phosphorus	**Olsen 11 ppm**	******	******	******	
Potassium	**302 ppm**	******	******	******	******
Chloride					
Sulfur	0-6" **120 +lb/ac** 6-24" **360 +lb/ac**	******	******	******	******
Boron					
Zinc	**1.01 ppm**	******	******	******	
Iron					
Manganese					
Copper	**1.54 ppm**	******	******	******	
Magnesium					
Calcium					
Sodium					
Org.Matter	**7.8 %**	******	******	******	******
Carbonate(CCE)					
Sol. Salts	0-6" **0.81 mmho/cm** 6-24" **0.78 mmho/cm**	******	******	******	

1st Crop Choice		
Grass/Pasture		
YIELD GOAL		
5 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**115**	
P_2O_5	**34**	**Broadcast**
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

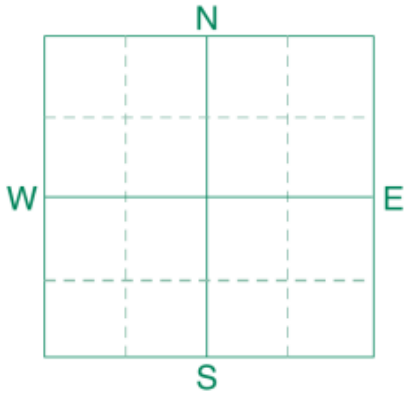
Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.1** 6-24" **8.3**							

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **NE 16-19-04W1**
SAMPLE ID
FIELD NAME **NE 16-19-04W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **95**
PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1889408** BOX # **0**
LAB # **NW24526**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **20 lb/ac** 6-24" **15 lb/ac** 0-24'' **35 lb/ac**	*******			
Phosphorus	**Olsen 7 ppm**	**********	**********		
Potassium	**281 ppm**	**********	**********	**********	**********
Chloride					
Sulfur	0-6" **120 +lb/ac** 6-24" **360 +lb/ac**	**********	**********	**********	**********
Boron					
Zinc	**0.77 ppm**	**********	**********	**	
Iron					
Manganese					
Copper	**1.4 ppm**	**********	**********	**********	*
Magnesium					
Calcium					
Sodium					
Org.Matter	**7.2 %**	**********	**********	**********	**********
Carbonate(CCE)					
Sol. Salts	0-6" **0.99 mmho/cm** 6-24" **2.57 mmho/cm**	**********	**********	**********	**********

1st Crop Choice		
Grass/Pasture		
YIELD GOAL		
5 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**115**	
P_2O_5	**51**	**Broadcast**
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**2**	**Broadcast (Trial)**
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

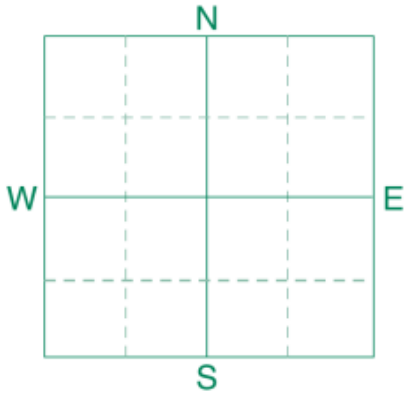
Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.3** 6-24" **8.5**							

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **NW 16-19-04W1**
SAMPLE ID
FIELD NAME **NW 16-19-04W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **101**
PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1889409** BOX # **0**
LAB # **NW24527**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **12 lb/ac** 6-24" **9 lb/ac** 0-24'' **21 lb/ac**	****			
Phosphorus	**Olsen 9 ppm**	**********		**	
Potassium	**347 ppm**	**********	**********	**********	**********
Chloride					
Sulfur	0-6" **120 +lb/ac** 6-24" **360 +lb/ac**	**********	**********	**********	**********
Boron					
Zinc	**0.89 ppm**	**********	**********	****	
Iron					
Manganese					
Copper	**1.6 ppm**	**********	**********	********	*
Magnesium					
Calcium					
Sodium					
Org.Matter	**6.9 %**	**********	**********	**********	**********
Carbonate(CCE)					
Sol. Salts	0-6" **1.19 mmho/cm** 6-24" **1.45 mmho/cm**	**********	**********	**********	**
		**********	**********	**********	***

1st Crop Choice		
Grass/Pasture		
YIELD GOAL		
5 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**129**	
P_2O_5	**42**	**Broadcast**
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**2**	**Broadcast (Trial)**
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

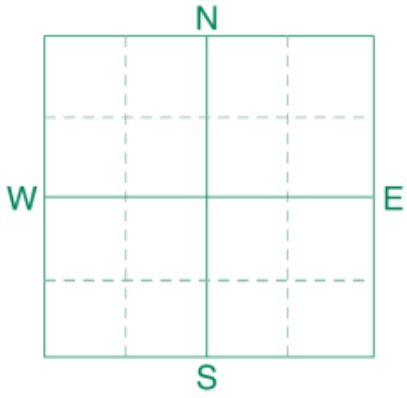
Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.4** 6-24" **8.5**							

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **NW 19-19-04W1**
SAMPLE ID
FIELD NAME **NW 19-19-04W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **77**
PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1889410** BOX # **0**
LAB # **NW24544**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **27 lb/ac** 6-24" **39 lb/ac** 0-24'' **66 lb/ac**	**********	**********		
Phosphorus	**Olsen 17 ppm**	**********	**********	**********	**********
Potassium	**217 ppm**	**********	**********	**********	**********
Chloride					
Sulfur	0-6" **46 lb/ac** 6-24" **72 lb/ac**	**********	**********	**********	**********
Boron					
Zinc	**1.14 ppm**	**********	**********	**********	
Iron					
Manganese					
Copper	**0.98 ppm**	**********	**********	**********	
Magnesium					
Calcium					
Sodium					
Org.Matter	**7.8 %**	**********	**********	**********	**********
Carbonate(CCE)					
Sol. Salts	0-6" **0.44 mmho/cm** 6-24" **0.29 mmho/cm**	**********	**********		

1st Crop Choice			2nd Crop Choice			3rd Crop Choice		
Grass/Pasture								
YIELD GOAL			YIELD GOAL			YIELD GOAL		
5 Tons								
SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		
Broadcast								
LB/ACRE		APPLICATION	LB/ACRE		APPLICATION	LB/ACRE		APPLICATION
N	**84**		N			N		
P_2O_5	**0**		P_2O_5			P_2O_5		
K_2O	**0**		K_2O			K_2O		
Cl			Cl			Cl		
S	**0**		S			S		
B			B			B		
Zn	**0**		Zn			Zn		
Fe			Fe			Fe		
Mn			Mn			Mn		
Cu	**0**		Cu			Cu		
Mg			Mg			Mg		
Lime			Lime			Lime		

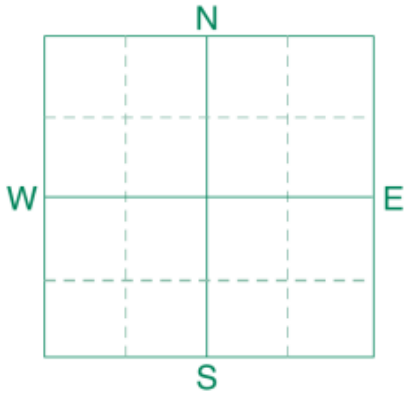
Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.2** 6-24" **8.5**							

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **NE 19-19-04W1**
SAMPLE ID
FIELD NAME **NE 19-19-04W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **126**
PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1889411** BOX # **0**
LAB # **NW24808**

Date Sampled **04/26/2017** Date Received **05/01/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **24 lb/ac** 6-24" **72 lb/ac** 0-24'' **96 lb/ac**	**********	**********	**********	
Phosphorus	**Olsen 8 ppm**	**********	**********		
Potassium	**285 ppm**	**********	**********	**********	**********
Chloride					
Sulfur	0-6" **46 lb/ac** 6-24" **186 lb/ac**	**********	**********	**********	**********
Boron					
Zinc	**1.02 ppm**	**********	**********	**********	
Iron					
Manganese					
Copper	**1.06 ppm**	**********	**********	**********	
Magnesium					
Calcium					
Sodium					
Org.Matter	**9.1 %**	**********	**********	**********	**********
Carbonate(CCE)					
Sol. Salts	0-6" **0.61 mmho/cm** 6-24" **0.56 mmho/cm**	**********	**********	**********	

1st Crop Choice		
Grass/Pasture		
YIELD GOAL		
5 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**54**	
P_2O_5	**46**	**Broadcast**
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

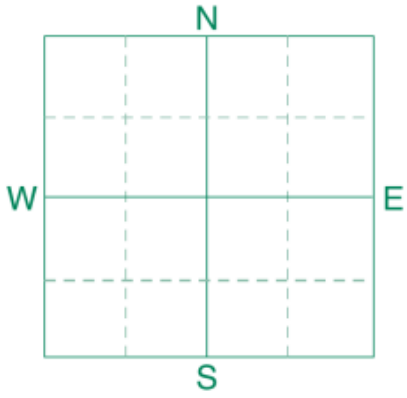
Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.1** 6-24" **8.3**							

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **SW 19-19-04W1**
SAMPLE ID
FIELD NAME **SW 19-19-04W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **29**
PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1889412** BOX # **0**
LAB # **NW24530**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **12 lb/ac** 6-24" **18 lb/ac** 0-24'' **30 lb/ac**	******			
Phosphorus	**Olsen 6 ppm**	**********			
Potassium	**266 ppm**	**********	**********	**********	**********
Chloride					
Sulfur	0-6" **60 lb/ac** 6-24" **360 +lb/ac**	**********	**********	**********	**********
Boron					
Zinc	**1.10 ppm**	**********	**********	**********	
Iron					
Manganese					
Copper	**1.34 ppm**	**********	**********	**********	
Magnesium					
Calcium					
Sodium					
Org.Matter	**8.8 %**	**********	**********	**********	**********
Carbonate(CCE)					
Sol. Salts	0-6" **0.59 mmho/cm** 6-24" **0.9 mmho/cm**	**********	**********	**********	

1st Crop Choice		
Grass/Pasture		
YIELD GOAL		
5 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**120**	
P_2O_5	**55**	**Broadcast**
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.2** 6-24" **8.7**							

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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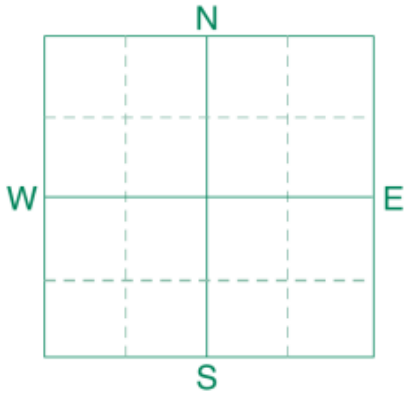
Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID **SE 19-19-04W1**
SAMPLE ID
FIELD NAME **SE 19-19-04W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **80**
PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1889413** BOX # **0**
LAB # **NW24541**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **7 lb/ac** 6-24" **12 lb/ac** 0-24'' **19 lb/ac**	****			
Phosphorus	**Olsen** **5 ppm**	********			
Potassium	**218 ppm**	*******	*******	*******	*******
Chloride					
Sulfur	0-6" **34 lb/ac** 6-24" **252 lb/ac**	*******	*******	*******	*******
Boron					
Zinc	**0.86 ppm**	*******	*******	****	
Iron					
Manganese					
Copper	**1.0 ppm**	*******	*******	******	
Magnesium					
Calcium					
Sodium					
Org.Matter	**6.7 %**	*******	*******	*******	*******
Carbonate(CCE)					
Sol. Salts	0-6" **0.45 mmho/cm** 6-24" **0.59 mmho/cm**	**********	**********		

1st Crop Choice			2nd Crop Choice			3rd Crop Choice		
Grass/Pasture								
YIELD GOAL			YIELD GOAL			YIELD GOAL		
5 Tons								
SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		
Broadcast								
LB/ACRE		APPLICATION	LB/ACRE		APPLICATION	LB/ACRE		APPLICATION
N	**131**		N			N		
P_2O_5	**59**	**Broadcast**	P_2O_5			P_2O_5		
K_2O	**0**		K_2O			K_2O		
Cl			Cl			Cl		
S	**0**		S			S		
B			B			B		
Zn	**2**	**Broadcast (Trial)**	Zn			Zn		
Fe			Fe			Fe		
Mn			Mn			Mn		
Cu	**0**		Cu			Cu		
Mg			Mg			Mg		
Lime			Lime			Lime		

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.4** 6-24" **9.0**							

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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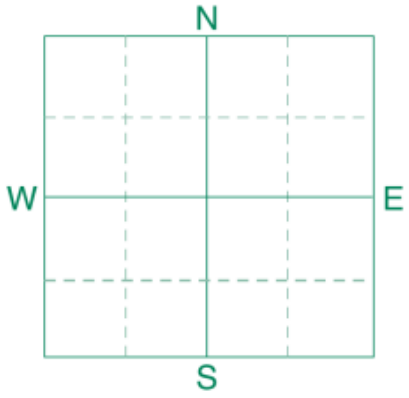
Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID **NW 20-19-04W1**
SAMPLE ID
FIELD NAME **NW 20-19-04W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **84**
PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1889414** BOX # **0**
LAB # **NW24534**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **12 lb/ac** 6-24" **15 lb/ac** 0-24'' **27 lb/ac**	*****			
Phosphorus	**Olsen 12 ppm**	**********	**********	**********	
Potassium	**291 ppm**	**********	**********	**********	**********
Chloride					
Sulfur	0-6" **120 +lb/ac** 6-24" **360 +lb/ac**	**********	**********	**********	**********
Boron					
Zinc	**0.55 ppm**	**********	**********		
Iron					
Manganese					
Copper	**2.43 ppm**	**********	**********	**********	**********
Magnesium					
Calcium					
Sodium					
Org.Matter	**5.5 %**	**********	**********	**********	**********
Carbonate(CCE)					
Sol. Salts	0-6" **1.14 mmho/cm** 6-24" **2.17 mmho/cm**	**********	**********	**********	**********

1st Crop Choice		
Grass/Pasture		
YIELD GOAL		
5 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**123**	
P_2O_5	**30**	**Broadcast**
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**3**	**Broadcast (Trial)**
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

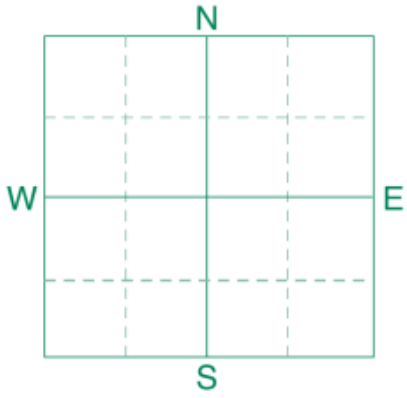
Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.7** 6-24" **8.5**							

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **SW 20-19-04W1**
SAMPLE ID
FIELD NAME **SW 20-19-04W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **99**
PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1889415** BOX # **0**
LAB # **NW24532**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **8 lb/ac** 6-24" **12 lb/ac** 0-24'' **20 lb/ac**	****			
Phosphorus	**Olsen** **7 ppm**	**********			
Potassium	**212 ppm**	**********	**********	**********	**********
Chloride					
Sulfur	0-6" **54 lb/ac** 6-24" **96 lb/ac**	**********	**********	**********	**********
Boron					
Zinc	**0.92 ppm**	**********	**********	**********	
Iron					
Manganese					
Copper	**0.94 ppm**	**********	**********	**********	
Magnesium					
Calcium					
Sodium					
Org.Matter	**9.3 %**	**********	**********	**********	**********
Carbonate(CCE)					
Sol. Salts	0-6" **0.52 mmho/cm** 6-24" **0.35 mmho/cm**	**********	**********	**********	

1st Crop Choice		
Grass/Pasture		
YIELD GOAL		
5 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**130**	
P_2O_5	**51**	**Broadcast**
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.0** 6-24" **8.4**							

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

Soil Analysis by Agvise Laboratories
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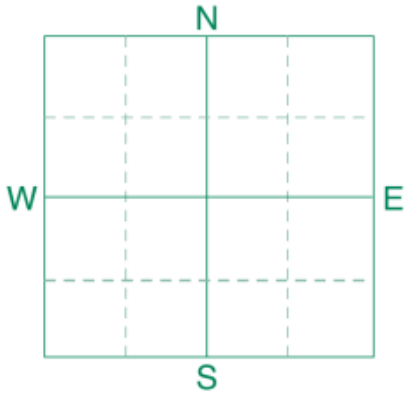
Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID **SE 20-19-04W1**
SAMPLE ID
FIELD NAME **SE 20-19-04W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **67**
PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1889416** BOX # **0**
LAB # **NW24525**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
	0-6" **16 lb/ac** 6-24" **15 lb/ac**	******			
Nitrate	0-24'' **31 lb/ac**				
Phosphorus	**Olsen** **12 ppm**	******	******	******	
Potassium	**342 ppm**	******	******	******	******
Chloride					
Sulfur	0-6" **120 +lb/ac** 6-24" **360 +lb/ac**	******	******	******	****** ******
Boron					
Zinc	**1.23 ppm**	******	******	******	*
Iron					
Manganese					
Copper	**1.4 ppm**	******	******	******	*
Magnesium					
Calcium					
Sodium					
Org.Matter	**6.6 %**	******	******	******	******
Carbonate(CCE)					
Sol. Salts	0-6" **0.83 mmho/cm** 6-24" **1.27 mmho/cm**	******	******	******	 **

1st Crop Choice		
Grass/Pasture		
YIELD GOAL		
5 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**119**	
P_2O_5	**30**	**Broadcast**
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

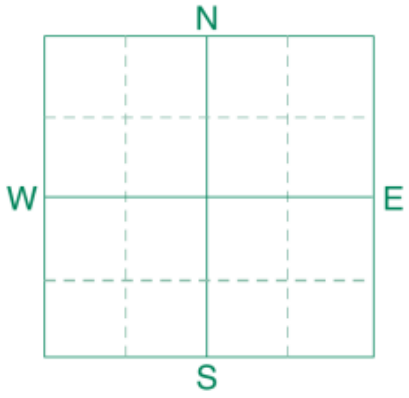
Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.2** 6-24" **8.4**							

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **NE 20-19-04W1**
SAMPLE ID
FIELD NAME **NE 20-19-04W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **83**
PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1889417** BOX # **0**
LAB # **NW24537**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **9 lb/ac** 6-24" **12 lb/ac** 0-24'' **21 lb/ac**	****			
Phosphorus	**Olsen 20 ppm**	**********	**********	**********	**********
Potassium	**219 ppm**	**********	**********	**********	**********
Chloride					
Sulfur	0-6" **120 +lb/ac** 6-24" **360 +lb/ac**	**********	**********	**********	**********
Boron					
Zinc	**0.52 ppm**	**********	**********		
Iron					
Manganese					
Copper	**1.64 ppm**	**********	**********	**********	**********
Magnesium					
Calcium					
Sodium					
Org.Matter	**5.6 %**	**********	**********	**********	**********
Carbonate(CCE)					
Sol. Salts	0-6" **1.21 mmho/cm** 6-24" **2.44 mmho/cm**	**********	**********	**********	**********

1st Crop Choice		
Grass/Pasture		
YIELD GOAL		
5 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**129**	
P_2O_5	**0**	
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**3**	**Broadcast (Trial)**
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

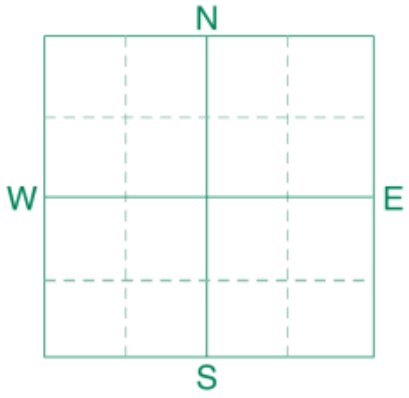
Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.5** 6-24" **8.4**							

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **SE 30-19-04W1**
SAMPLE ID
FIELD NAME **SE 30-19-04W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **147**
PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1889418** BOX # **0**
LAB # **NW24538**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **18 lb/ac** 6-24" **45 lb/ac** 0-24'' **63 lb/ac**		**********		
Phosphorus	**Olsen 41 ppm**	**********	**********	**********	**********
Potassium	**357 ppm**	**********	**********	**********	**********
Chloride					
Sulfur	0-6" **120 +lb/ac** 6-24" **360 +lb/ac**	**********	**********	**********	**********
Boron					
Zinc	**0.91 ppm**	**********	**********	**********	
Iron					
Manganese					
Copper	**1.41 ppm**	**********	**********	**********	
Magnesium					
Calcium					
Sodium					
Org.Matter	**6.6 %**	**********	**********	**********	**********
Carbonate(CCE)					
Sol. Salts	0-6" **0.81 mmho/cm** 6-24" **2.0 mmho/cm**	**********	**********	**********	**********

1st Crop Choice		
Grass/Pasture		
YIELD GOAL		
5 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**87**	
P_2O_5	**0**	
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**3**	**Broadcast (Trial)**
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

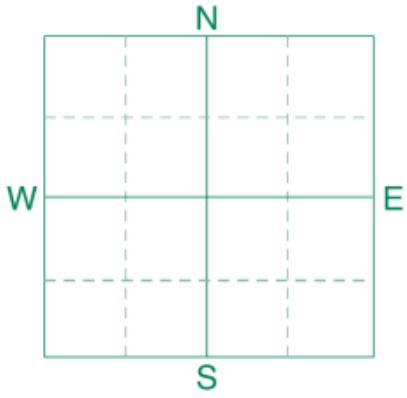
Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.4** 6-24" **8.4**							

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **SW 30-19-04W1**
SAMPLE ID
FIELD NAME **SW 30-19-04W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **105**
PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1889419** BOX # **0**
LAB # **NW24539**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **16 lb/ac** 6-24" **30 lb/ac** 0-24'' **46 lb/ac**	*********			
Phosphorus	**Olsen 38 ppm**	**********	**********	**********	**********
Potassium	**370 ppm**	**********	**********	**********	**********
Chloride					
Sulfur	0-6" **120 +lb/ac** 6-24" **360 +lb/ac**	**********	**********	**********	**********
Boron					
Zinc	**1.24 ppm**	**********	**********	*********	
Iron					
Manganese					
Copper	**1.4 ppm**	**********	**********	*********	
Magnesium					
Calcium					
Sodium					
Org.Matter	**6.7 %**	**********	**********	**********	**********
Carbonate(CCE)					
Sol. Salts	0-6" **0.86 mmho/cm** 6-24" **1.31 mmho/cm**	**********	**********	**********	**********

1st Crop Choice		
Grass/Pasture		
YIELD GOAL		
5 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**104**	
P_2O_5	**0**	
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

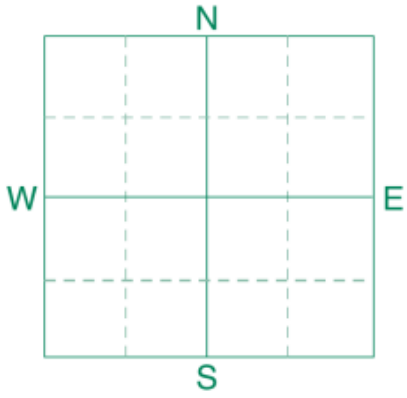
Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.3** 6-24" **8.5**							

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **SE 11-19-05W1**
SAMPLE ID
FIELD NAME **SE 11-19-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **89**
PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1889423** BOX # **0**
LAB # **NW24521**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **7 lb/ac** 6-24" **9 lb/ac** 0-24'' **16 lb/ac**	***			
Phosphorus	**Olsen 3 ppm**	******			
Potassium	**306 ppm**	******	******	******	******
Chloride					
Sulfur	0-6" **120 +lb/ac** 6-24" **360 +lb/ac**	******	******	******	******
Boron					
Zinc	**1.09 ppm**	******	******	******	
Iron					
Manganese					
Copper	**1.98 ppm**	******	******	******	**
Magnesium					
Calcium					
Sodium					
Org.Matter	**7.9 %**	******	******	******	******
Carbonate(CCE)					
Sol. Salts	0-6" **1.47 mmho/cm** 6-24" **2.24 mmho/cm**	******	******	******	***

1st Crop Choice		
Grass/Pasture		
YIELD GOAL		
5 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**134**	
P_2O_5	**67**	**Broadcast**
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

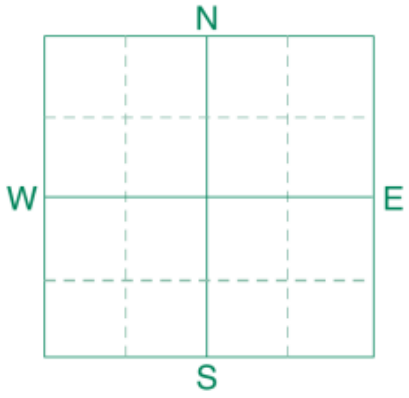
Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.1** 6-24" **8.3**							

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **SW 11-19-05W1**
SAMPLE ID
FIELD NAME **SW 11-19-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **74**
PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1889424** BOX # **0**
LAB # **NW24523**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" 10 lb/ac 6-24" 12 lb/ac 0-24'' 22 lb/ac	****			
Phosphorus	Olsen 7 ppm	**********			
Potassium	284 ppm	**********	**********	**********	**********
Chloride					
Sulfur	0-6" 120 +lb/ac 6-24" 360 +lb/ac	**********	**********	**********	**********
Boron					
Zinc	0.83 ppm	**********	**********	***	
Iron					
Manganese					
Copper	1.74 ppm	**********	**********	**********	*
Magnesium					
Calcium					
Sodium					
Org.Matter	7.6 %	**********	**********	**********	**********
Carbonate(CCE)					
Sol. Salts	0-6" 1.72 mmho/cm 6-24" 2.33 mmho/cm	**********	**********	**********	**********

1st Crop Choice		
Grass/Pasture		
YIELD GOAL		
5 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	128	
P_2O_5	51	Broadcast
K_2O	0	
Cl		
S	0	
B		
Zn	2	Broadcast (Trial)
Fe		
Mn		
Cu	0	
Mg		
Lime		

2nd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

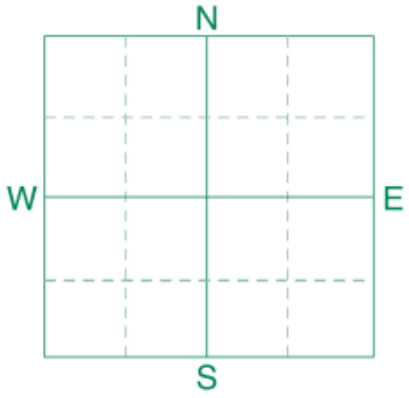
Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.2** 6-24" **8.3**							

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **NE 11-19-05W1**
SAMPLE ID
FIELD NAME **NE 11-19-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **28**
PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1889425** BOX # **0**
LAB # **NW24514**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **8 lb/ac** 6-24" **21 lb/ac** 0-24'' **29 lb/ac**	******			
Phosphorus	**Olsen 2 ppm**	***			
Potassium	**298 ppm**	******	******	******	******
Chloride					
Sulfur	0-6" **120 +lb/ac** 6-24" **300 lb/ac**	******	******	******	******
Boron					
Zinc	**0.76 ppm**	******	******	**	
Iron					
Manganese					
Copper	**1.72 ppm**	******	******	******	*
Magnesium					
Calcium					
Sodium					
Org.Matter	**8.1 %**	******	******	******	******
Carbonate(CCE)					
Sol. Salts	0-6" **1.11 mmho/cm** 6-24" **0.82 mmho/cm**	******	******	******	**

1st Crop Choice		
Grass/Pasture		
YIELD GOAL		
5 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**121**	
P_2O_5	**72**	**Broadcast**
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**2**	**Broadcast (Trial)**
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

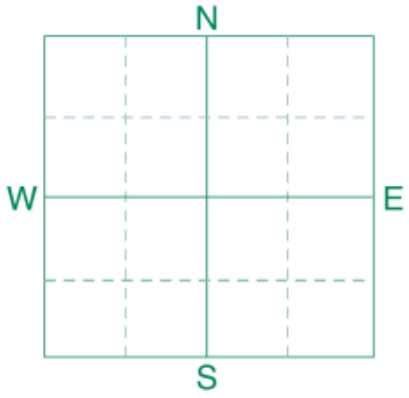
Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.3** 6-24" **8.5**							

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **NW 11-19-05W1**
SAMPLE ID
FIELD NAME **NW 11-19-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **73**
PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB **R0A 0V0**

REF # **1889426** BOX # **0**
LAB # **NW24517**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **8 lb/ac** 6-24" **15 lb/ac** 0-24'' **23 lb/ac**	*****			
Phosphorus	**Olsen** **4 ppm**	******			
Potassium	**335 ppm**	******	******	******	******
Chloride					
Sulfur	0-6" **120 +lb/ac** 6-24" **360 +lb/ac**	******	******	******	******
Boron					
Zinc	**0.95 ppm**	******	******	*****	
Iron					
Manganese					
Copper	**1.78 ppm**	******	******	******	*
Magnesium					
Calcium					
Sodium					
Org.Matter	**6.8 %**	******	******	******	******
Carbonate(CCE)					
Sol. Salts	0-6" **1.65 mmho/cm** 6-24" **3.02 mmho/cm**	******	******	******	****

1st Crop Choice		
Grass/Pasture		
YIELD GOAL		
5 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**127**	
P_2O_5	**63**	**Broadcast**
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**2**	**Broadcast (Trial)**
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

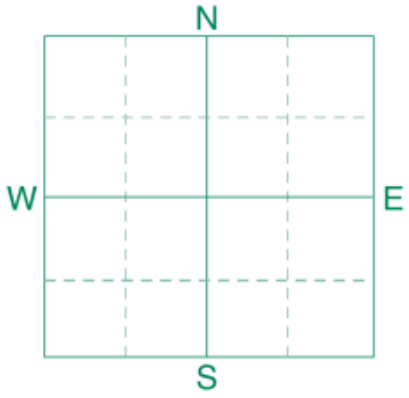
Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.3** 6-24" **8.4**							

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **NW 12-19-05W1**
SAMPLE ID
FIELD NAME **NW 12-19-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **78**
PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1889427** BOX # **0**
LAB # **NW24518**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **6 lb/ac** 6-24" **12 lb/ac** 0-24'' **18 lb/ac**	****			
Phosphorus	**Olsen 4 ppm**	******			
Potassium	**343 ppm**	******	******	******	******
Chloride					
Sulfur	0-6" **120 +lb/ac** 6-24" **360 +lb/ac**	******	******	******	******
Boron					
Zinc	**0.95 ppm**	******	******	*****	
Iron					
Manganese					
Copper	**2.6 ppm**	******	******	******	***
Magnesium					
Calcium					
Sodium					
Org.Matter	**6.8 %**	******	******	******	******
Carbonate(CCE)					
Sol. Salts	0-6" **3.88 mmho/cm** 6-24" **1.47 mmho/cm**	******	******	******	******
		******	******	******	***

1st Crop Choice		
Grass/Pasture		
YIELD GOAL		
5 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**132**	
P_2O_5	**63**	**Broadcast**
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**2**	**Broadcast (Trial)**
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

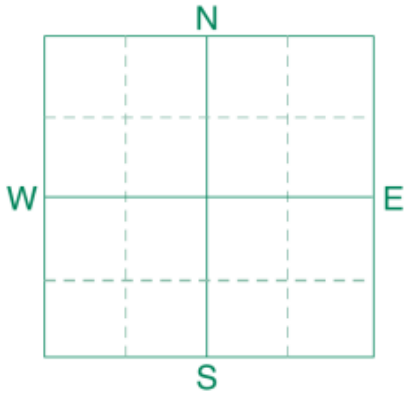
Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.1** 6-24" **8.3**							

Crop 1: 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 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **NW 14-19-05W1**
SAMPLE ID
FIELD NAME **NW 14-19-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **78**
PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1889428** BOX # **0**
LAB # **NW24519**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **9 lb/ac** 6-24" **9 lb/ac** 0-24'' **18 lb/ac**	****			
Phosphorus	**Olsen 16 ppm**	**********	**********	**********	**********
Potassium	**381 ppm**	**********	**********	**********	**********
Chloride					
Sulfur	0-6" **120 +lb/ac** 6-24" **360 +lb/ac**	**********	**********	**********	**********
Boron					
Zinc	**1.90 ppm**	**********	**********	**********	**********
Iron					
Manganese					
Copper	**1.7 ppm**	**********	**********	**********	
Magnesium					
Calcium					
Sodium					
Org.Matter	**10.3 %**	**********	**********	**********	**********
Carbonate(CCE)					
Sol. Salts	0-6" **1.49 mmho/cm** 6-24" **2.53 mmho/cm**	**********	**********	**********	**********

1st Crop Choice		
Grass/Pasture		
YIELD GOAL		
5 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**132**	
P_2O_5	**13**	**Broadcast**
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.2** 6-24" **8.5**							

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

Soil Analysis by Agvise Laboratories
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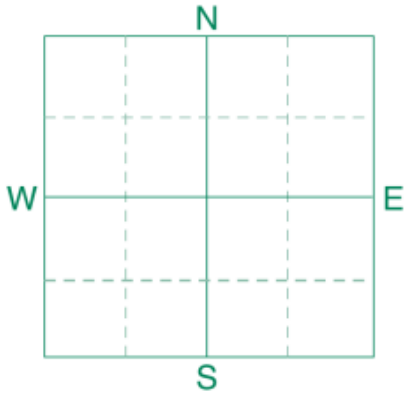
Northwood: (701) 587-6010
Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID **SW 14-19-05W1**
SAMPLE ID
FIELD NAME **SW 14-19-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **23**
PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1889429** BOX # **0**
LAB # **NW24511**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **8 lb/ac** 6-24" **9 lb/ac** 0-24'' **17 lb/ac**	***			
Phosphorus	**Olsen 4 ppm**	******			
Potassium	**296 ppm**	******	******	******	******
Chloride					
Sulfur	0-6" **120 +lb/ac** 6-24" **360 +lb/ac**	******	******	******	******
Boron					
Zinc	**1.08 ppm**	******	******	******	
Iron					
Manganese					
Copper	**1.8 ppm**	******	******	******	*
Magnesium					
Calcium					
Sodium					
Org.Matter	**8.4 %**	******	******	******	******
Carbonate(CCE)					
Sol. Salts	0-6" **2.8 mmho/cm** 6-24" **2.58 mmho/cm**	******	******	******	******

1st Crop Choice		
Grass/Pasture		
YIELD GOAL		
5 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**133**	
P_2O_5	**63**	**Broadcast**
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.1** 6-24" **8.3**							

Crop 1: 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 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

Soil Analysis by Agvise Laboratories
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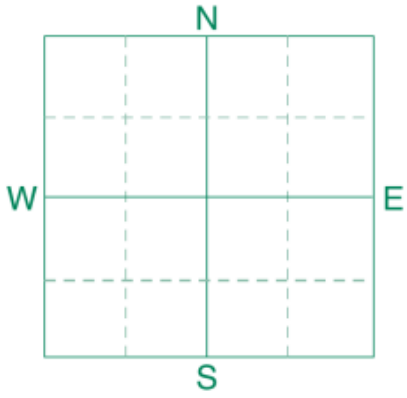
Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID **NE 14-19-05W1**
SAMPLE ID
FIELD NAME **NE 14-19-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **106**
PREV. CROP **Grass/Pasture**



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Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1889430** BOX # **0**
LAB # **NW24520**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **20 lb/ac** 6-24" **27 lb/ac** 0-24'' **47 lb/ac**		*********		
Phosphorus	**Olsen 34 ppm**	**********	**********	**********	**********
Potassium	**775 ppm**	**********	**********	**********	**********
Chloride					
Sulfur	0-6" **86 lb/ac** 6-24" **360 +lb/ac**	**********	**********	**********	**********
Boron					
Zinc	**2.35 ppm**	**********	**********	**********	**********
Iron					
Manganese					
Copper	**1.8 ppm**	**********	**********	*********	
Magnesium					
Calcium					
Sodium					
Org.Matter	**9.3 %**	**********	**********	**********	**********
Carbonate(CCE)					
Sol. Salts	0-6" **0.88 mmho/cm** 6-24" **1.77 mmho/cm**	**********	**********	*********	**********

1st Crop Choice		
Grass/Pasture		
YIELD GOAL		
5 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**103**	
P_2O_5	**0**	
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.0** 6-24" **8.4**							

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

Soil Analysis by Agvise Laboratories
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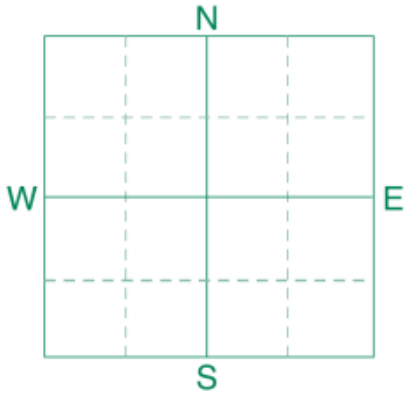
SOIL TEST REPORT

FIELD ID **NE 15-19-05W1**
SAMPLE ID
FIELD NAME **NE 15-19-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **78**
PREV. CROP **Grass/Pasture**



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Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1889431** BOX # **0**
LAB # **NW24546**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **26 lb/ac** 6-24" **33 lb/ac** 0-24'' **59 lb/ac**	**********	**********		
Phosphorus	**Olsen** **5 ppm**	********	**		
Potassium	**259 ppm**	**********	**********	**********	**********
Chloride					
Sulfur	0-6" **44 lb/ac** 6-24" **132 lb/ac**	**********	**********	**********	**********
Boron					
Zinc	**0.83 ppm**	**********	**********	***	
Iron					
Manganese					
Copper	**1.21 ppm**	**********	**********	********	*
Magnesium					
Calcium					
Sodium					
Org.Matter	**6.8 %**	**********	**********	**********	**********
Carbonate(CCE)					
Sol. Salts	0-6" **0.56 mmho/cm** 6-24" **0.58 mmho/cm**	**********	**********	**	

1st Crop Choice		
Grass/Pasture		
YIELD GOAL		
5 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**91**	
P_2O_5	**59**	**Broadcast**
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**2**	**Broadcast (Trial)**
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.1** 6-24" **8.7**							

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

Soil Analysis by Agvise Laboratories
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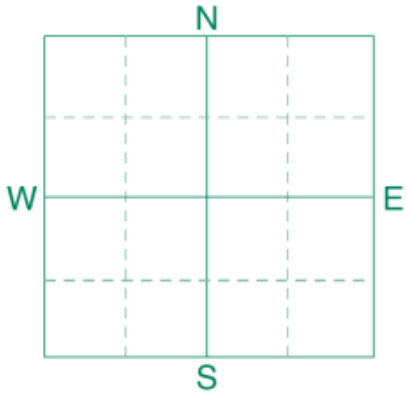
SOIL TEST REPORT

FIELD ID **NW 15-19-05W1**
SAMPLE ID
FIELD NAME **NW 15-19-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **86**
PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1889432** BOX # **0**
LAB # **NW24528**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **15 lb/ac** 6-24" **15 lb/ac** 0-24'' **30 lb/ac**	******			
Phosphorus	**Olsen** **5 ppm**	********			
Potassium	**294 ppm**	******	******	******	******
Chloride					
Sulfur	0-6" **74 lb/ac** 6-24" **360 +lb/ac**	******	******	******	******
Boron					
Zinc	**1.17 ppm**	******	******	*******	
Iron					
Manganese					
Copper	**1.64 ppm**	******	******	*******	
Magnesium					
Calcium					
Sodium					
Org.Matter	**8.0 %**	******	******	******	******
Carbonate(CCE)					
Sol. Salts	0-6" **0.79 mmho/cm** 6-24" **1.63 mmho/cm**	******	******	******	
		******	******	******	****

1st Crop Choice		
Grass/Pasture		
YIELD GOAL		
5 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**120**	
P_2O_5	**59**	**Broadcast**
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.3** 6-24" **8.5**							

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

Soil Analysis by Agvise Laboratories
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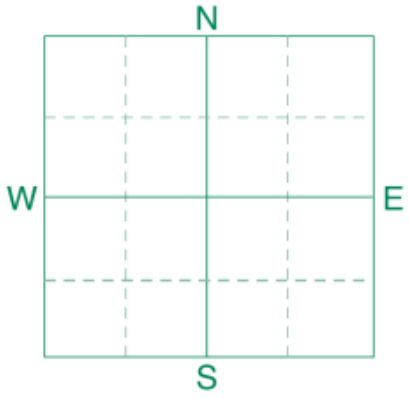
Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID **SW 15-19-05W1**
SAMPLE ID
FIELD NAME **SW 15-19-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **104**
PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1889433** BOX # **0**
LAB # **NW24516**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **11 lb/ac** 6-24" **12 lb/ac** 0-24'' **23 lb/ac**	*****			
Phosphorus	**Olsen 7 ppm**	**********			
Potassium	**274 ppm**	**********	**********	**********	**********
Chloride					
Sulfur	0-6" **100 lb/ac** 6-24" **360 +lb/ac**	**********	**********	**********	**********
Boron					
Zinc	**1.21 ppm**	**********	**********	**********	
Iron					
Manganese					
Copper	**2.0 ppm**	**********	**********	**********	**
Magnesium					
Calcium					
Sodium					
Org.Matter	**10.2 %**	**********	**********	**********	**********
Carbonate(CCE)					
Sol. Salts	0-6" **0.9 mmho/cm** 6-24" **1.29 mmho/cm**	**********	**********	**********	**********

1st Crop Choice		
Grass/Pasture		
YIELD GOAL		
5 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**127**	
P_2O_5	**51**	**Broadcast**
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.2** 6-24" **8.7**							

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

Soil Analysis by Agvise Laboratories
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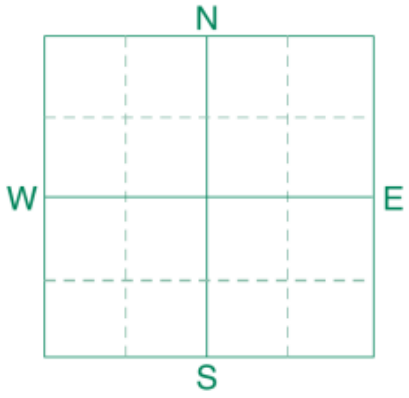
Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID **SE 16-19-05W1**
SAMPLE ID
FIELD NAME **SE 16-19-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **100**
PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1889434** BOX # **0**
LAB # **NW24515**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **10 lb/ac** 6-24" **15 lb/ac** 0-24'' **25 lb/ac**	*****			
Phosphorus	**Olsen** **6 ppm**	**********			
Potassium	**263 ppm**	**********	**********	**********	**********
Chloride					
Sulfur	0-6" **120 +lb/ac** 6-24" **360 +lb/ac**	**********	**********	**********	**********
Boron					
Zinc	**1.15 ppm**	**********	**********	*********	
Iron					
Manganese					
Copper	**2.06 ppm**	**********	**********	*********	**
Magnesium					
Calcium					
Sodium					
Org.Matter	**9.0 %**	**********	**********	**********	**********
Carbonate(CCE)					
Sol. Salts	0-6" **1.35 mmho/cm** 6-24" **2.31 mmho/cm**	**********	**********	**********	***
		**********	**********	**********	**********

1st Crop Choice		
Grass/Pasture		
YIELD GOAL		
5 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**125**	
P_2O_5	**55**	**Broadcast**
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.2** 6-24" **8.5**							

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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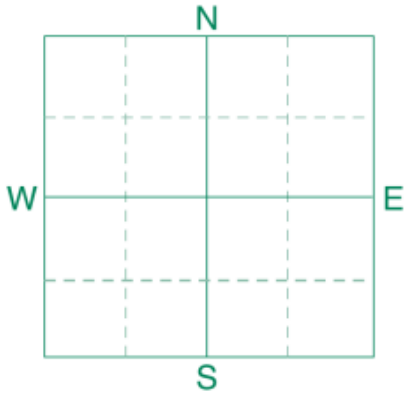
Benson: (320) 843-4109

SOIL TEST REPORT

FIELD ID **SW 16-19-05W1**
SAMPLE ID
FIELD NAME **SW 16-19-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **82**
PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1889435** BOX # **0**
LAB # **NW24508**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **9 lb/ac** 6-24" **12 lb/ac** 0-24'' **21 lb/ac**	****			
Phosphorus	**Olsen** **8 ppm**	**********			
Potassium	**194 ppm**	**********	**********	**********	**********
Chloride					
Sulfur	0-6" **120 +lb/ac** 6-24" **360 +lb/ac**	**********	**********	**********	**********
Boron					
Zinc	**2.51 ppm**	**********	**********	**********	**********
Iron					
Manganese					
Copper	**1.73 ppm**	**********	**********	**********	*
Magnesium					
Calcium					
Sodium					
Org.Matter	**12.3 %**	**********	**********	**********	**********
Carbonate(CCE)					
Sol. Salts	0-6" **2.94 mmho/cm** 6-24" **3.82 mmho/cm**	**********	**********	**********	**********

1st Crop Choice		
Grass/Pasture		
YIELD GOAL		
5 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**129**	
P_2O_5	**46**	**Broadcast**
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

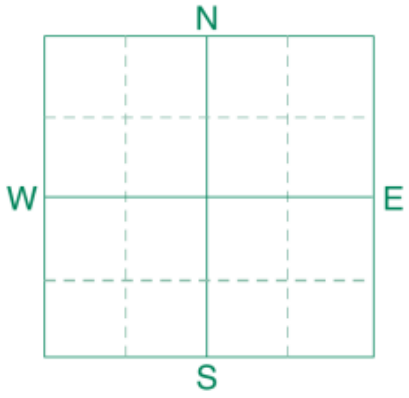
Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.0** 6-24" **8.2**							

Crop 1: 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 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **NE 22-19-05W1**
SAMPLE ID
FIELD NAME **NE 22-19-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **95**
PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1889436** BOX # **0**
LAB # **NW24545**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **10 lb/ac** 6-24" **21 lb/ac** 0-24" **31 lb/ac**	******			
Phosphorus	**Olsen** **6 ppm**	**********			
Potassium	**283 ppm**	**********	**********	**********	**********
Chloride					
Sulfur	0-6" **120 +lb/ac** 6-24" **360 +lb/ac**	**********	**********	**********	**********
Boron					
Zinc	**0.82 ppm**	**********	**********	***	
Iron					
Manganese					
Copper	**1.52 ppm**	**********	**********	**********	*
Magnesium					
Calcium					
Sodium					
Org.Matter	**7.1 %**	**********	**********	**********	**********
Carbonate(CCE)					
Sol. Salts	0-6" **0.94 mmho/cm** 6-24" **1.12 mmho/cm**	**********	**********	**********	*
		**********	**********	**********	**

1st Crop Choice		
Grass/Pasture		
YIELD GOAL		
5 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**119**	
P_2O_5	**55**	**Broadcast**
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**2**	**Broadcast (Trial)**
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

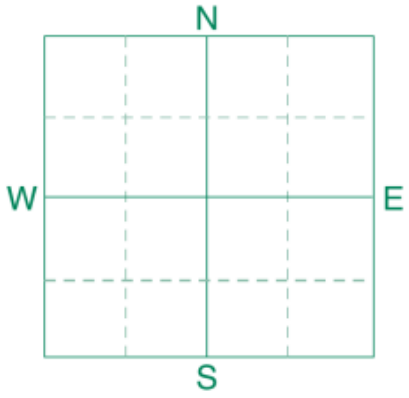
Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.2** 6-24" **8.4**							

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **SE 22-19-05W1**
SAMPLE ID
FIELD NAME **SE 22-19-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **121**
PREV. CROP **Grass/Pasture**



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Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1889437** BOX # **0**
LAB # **NW24547**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **14 lb/ac** 6-24" **15 lb/ac** 0-24'' **29 lb/ac**	******			
Phosphorus	**Olsen 10 ppm**	******	******	******	
Potassium	**327 ppm**	******	******	******	******
Chloride					
Sulfur	0-6" **120 +lb/ac** 6-24" **360 +lb/ac**	******	******	******	******
Boron					
Zinc	**3.91 ppm**	******	******	******	******
Iron					
Manganese					
Copper	**1.6 ppm**	******	******	******	
Magnesium					
Calcium					
Sodium					
Org.Matter	**9.1 %**	******	******	******	******
Carbonate(CCE)					
Sol. Salts	0-6" **1.2 mmho/cm** 6-24" **2.24 mmho/cm**	******	******	******	**
		******	******	******	******

1st Crop Choice		
Grass/Pasture		
YIELD GOAL		
5 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**121**	
P_2O_5	**38**	**Broadcast**
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

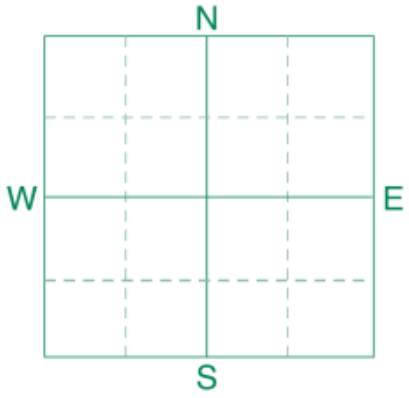
Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.1** 6-24" **8.3**							

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **SW 22-19-05W1**
SAMPLE ID
FIELD NAME **SW 22-19-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **98**
PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1889438** BOX # **0**
LAB # **NW24543**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **14 lb/ac** 6-24" **33 lb/ac** 0-24'' **47 lb/ac**	*********			
Phosphorus	**Olsen 5 ppm**	********			
Potassium	**340 ppm**	*******	*******	*******	*******
Chloride					
Sulfur	0-6" **120 +lb/ac** 6-24" **360 +lb/ac**	*******	*******	*******	*******
Boron					
Zinc	**1.06 ppm**	*******	*******	*******	
Iron					
Manganese					
Copper	**1.52 ppm**	*******	*******	*******	*
Magnesium					
Calcium					
Sodium					
Org.Matter	**9.0 %**	*******	*******	*******	*******
Carbonate(CCE)					
Sol. Salts	0-6" **1.42 mmho/cm** 6-24" **1.73 mmho/cm**	*******	*******	*******	***
		*******	*******	*******	*****

1st Crop Choice		
Grass/Pasture		
YIELD GOAL		
5 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**103**	
P_2O_5	**59**	**Broadcast**
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

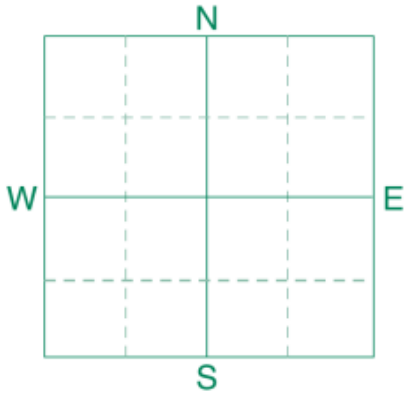
Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **7.9** 6-24" **8.2**							

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **NW 23-19-05W1**
SAMPLE ID
FIELD NAME **NW 23-19-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **89**
PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1889439** BOX # **0**
LAB # **NW24542**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **7 lb/ac** 6-24" **12 lb/ac** 0-24'' **19 lb/ac**	****			
Phosphorus	**Olsen** **4 ppm**	******			
Potassium	**245 ppm**	******	******	******	******
Chloride					
Sulfur	0-6" **120 +lb/ac** 6-24" **360 +lb/ac**	******	******	******	******
Boron					
Zinc	**0.78 ppm**	******	******	***	
Iron					
Manganese					
Copper	**1.43 ppm**	******	******	******	*
Magnesium					
Calcium					
Sodium					
Org.Matter	**6.7 %**	******	******	******	******
Carbonate(CCE)					
Sol. Salts	0-6" **1.5 mmho/cm** 6-24" **1.74 mmho/cm**	******	******	******	****

1st Crop Choice		
Grass/Pasture		
YIELD GOAL		
5 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**131**	
P_2O_5	**63**	**Broadcast**
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**2**	**Broadcast (Trial)**
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

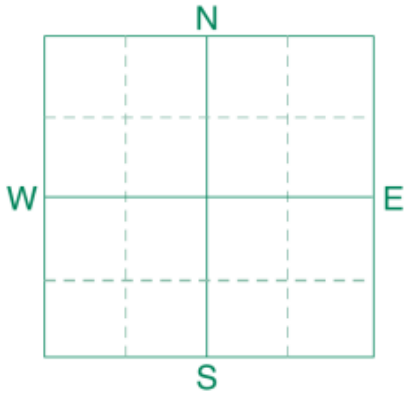
Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.3** 6-24" **8.4**							

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **SW 24-19-05W1**
SAMPLE ID
FIELD NAME **SW 24-19-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **86**
PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB **R0A 0V0**

REF # **1889440** BOX # **0**
LAB # **NW24531**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **12 lb/ac** 6-24" **9 lb/ac** 0-24'' **21 lb/ac**	****			
Phosphorus	**Olsen** **5 ppm**	********			
Potassium	**299 ppm**	******	******	******	******
Chloride					
Sulfur	0-6" **120 +lb/ac** 6-24" **360 +lb/ac**	******	******	******	******
Boron					
Zinc	**3.65 ppm**	******	******	******	******
Iron					
Manganese					
Copper	**1.73 ppm**	******	******	*******	
Magnesium					
Calcium					
Sodium					
Org.Matter	**9.4 %**	******	******	******	******
Carbonate(CCE)					
Sol. Salts	0-6" **1.03 mmho/cm** 6-24" **1.88 mmho/cm**	******	******	*******	******

1st Crop Choice		
Grass/Pasture		
YIELD GOAL		
5 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**129**	
P_2O_5	**59**	**Broadcast**
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

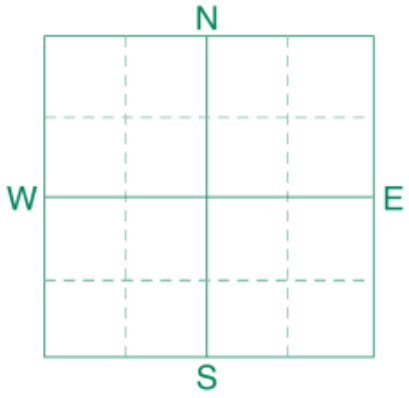
Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.3** 6-24" **8.4**							

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **NW 24-19-05W1**
SAMPLE ID
FIELD NAME **NW 24-19-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **86**
PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1889441** BOX # **0**
LAB # **NW24513**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **13 lb/ac** 6-24" **18 lb/ac** 0-24'' **31 lb/ac**	******			
Phosphorus	**Olsen 7 ppm**	******	******		
Potassium	**225 ppm**	******	******	******	******
Chloride					
Sulfur	0-6" **68 lb/ac** 6-24" **360 +lb/ac**	******	******	******	******
Boron					
Zinc	**0.76 ppm**	******	******	**	
Iron					
Manganese					
Copper	**1.31 ppm**	******	******	******	*
Magnesium					
Calcium					
Sodium					
Org.Matter	**6.9 %**	******	******	******	******
Carbonate(CCE)					
Sol. Salts	0-6" **0.7 mmho/cm** 6-24" **1.49 mmho/cm**	******	******	*****	
		******	******	******	****

1st Crop Choice		
Grass/Pasture		
YIELD GOAL		
5 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**119**	
P_2O_5	**51**	**Broadcast**
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**2**	**Broadcast (Trial)**
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

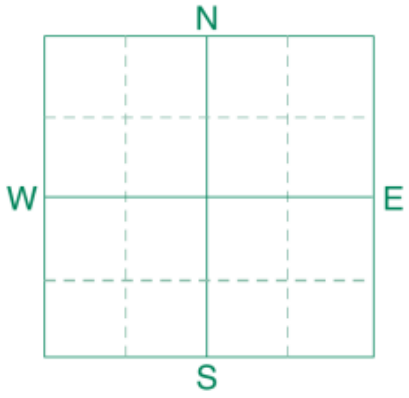
Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.2** 6-24" **8.4**							

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **SE 24-19-05W1**
SAMPLE ID
FIELD NAME **SE 24-19-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **67**
PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1889442** BOX # **0**
LAB # **NW24512**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **25 lb/ac** 6-24" **33 lb/ac** 0-24'' **58 lb/ac**		**********		
Phosphorus	**Olsen 21 ppm**	**********	**********	**********	**********
Potassium	**186 ppm**	**********	**********	**********	**********
Chloride					
Sulfur	0-6" **60 lb/ac** 6-24" **102 lb/ac**	**********	**********	**********	**********
Boron					
Zinc	**0.79 ppm**	**********	**********	**********	
Iron					
Manganese					
Copper	**0.94 ppm**	**********	**********	**********	
Magnesium					
Calcium					
Sodium					
Org.Matter	**7.3 %**	**********	**********	**********	**********
Carbonate(CCE)					
Sol. Salts	0-6" **0.57 mmho/cm** 6-24" **0.49 mmho/cm**	**********	**********	**********	

1st Crop Choice			2nd Crop Choice			3rd Crop Choice		
Grass/Pasture								
YIELD GOAL			YIELD GOAL			YIELD GOAL		
5 Tons								
SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		
Broadcast								
LB/ACRE		APPLICATION	LB/ACRE		APPLICATION	LB/ACRE		APPLICATION
N	**92**		N			N		
P_2O_5	**0**		P_2O_5			P_2O_5		
K_2O	**0**		K_2O			K_2O		
Cl			Cl			Cl		
S	**0**		S			S		
B			B			B		
Zn	**0**		Zn			Zn		
Fe			Fe			Fe		
Mn			Mn			Mn		
Cu	**0**		Cu			Cu		
Mg			Mg			Mg		
Lime			Lime			Lime		

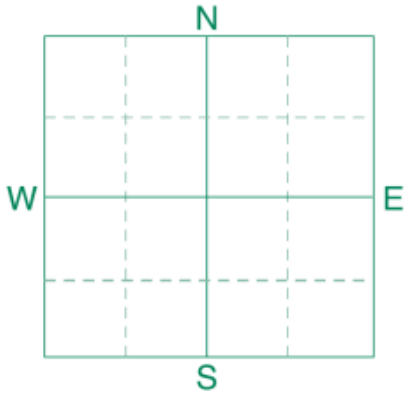
Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.0** 6-24" **8.4**							

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **NE 25-19-05W1**
SAMPLE ID
FIELD NAME **NE 25-19-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **101**
PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1889443** BOX # **0**
LAB # **NW24540**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **23 lb/ac** 6-24" **102 lb/ac** 0-24'' **125 lb/ac**				
Phosphorus	**Olsen 6 ppm**				
Potassium	**418 ppm**				
Chloride					
Sulfur	0-6" **32 lb/ac** 6-24" **360 +lb/ac**				
Boron					
Zinc	**0.90 ppm**				
Iron					
Manganese					
Copper	**1.64 ppm**				
Magnesium					
Calcium					
Sodium					
Org.Matter	**7.5 %**				
Carbonate(CCE)					
Sol. Salts	0-6" **0.54 mmho/cm** 6-24" **1.23 mmho/cm**				

1st Crop Choice		
Grass/Pasture		
YIELD GOAL		
5 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**25**	
P_2O_5	**55**	**Broadcast**
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**2**	**Broadcast (Trial)**
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

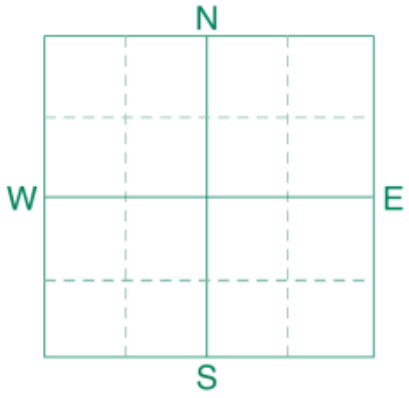
Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.1** 6-24" **8.3**							

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **NW 25-19-05W1**
SAMPLE ID
FIELD NAME **NW 25-19-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **112**
PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB **R0A 0V0**

REF # **1889444** BOX # **0**
LAB # **NW24510**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **25 lb/ac** 6-24" **27 lb/ac** 0-24'' **52 lb/ac**	**********	**********		
Phosphorus	**Olsen** **8 ppm**	**********	**********		
Potassium	**269 ppm**	**********	**********	**********	**********
Chloride					
Sulfur	0-6" **48 lb/ac** 6-24" **360 +lb/ac**	**********	**********	**********	**********
Boron					
Zinc	**0.95 ppm**	**********	**********	**********	
Iron					
Manganese					
Copper	**1.2 ppm**	**********	**********	**********	**********
Magnesium					
Calcium					
Sodium					
Org.Matter	**8.2 %**	**********	**********	**********	**********
Carbonate(CCE)					
Sol. Salts	0-6" **0.58 mmho/cm** 6-24" **1.18 mmho/cm**	**********	**********	**********	**********

1st Crop Choice		
Grass/Pasture		
YIELD GOAL		
5 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**98**	
P_2O_5	**46**	**Broadcast**
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**2**	**Broadcast (Trial)**
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

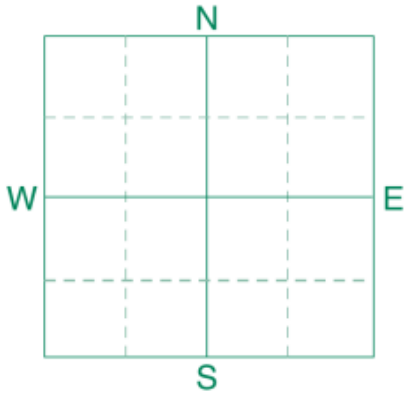
Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.1** 6-24" **8.6**							

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **SE 25-19-05W1**
SAMPLE ID
FIELD NAME **SE 25-19-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **114**
PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1889445** BOX # **0**
LAB # **NW24533**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **14 lb/ac** 6-24" **27 lb/ac** 0-24'' **41 lb/ac**	********			
Phosphorus	**Olsen** **12 ppm**	**********	**********	**********	
Potassium	**333 ppm**	**********	**********	**********	**********
Chloride					
Sulfur	0-6" **110 lb/ac** 6-24" **246 lb/ac**	**********	**********	**********	**********
Boron					
Zinc	**1.11 ppm**	**********	**********	**********	
Iron					
Manganese					
Copper	**1.34 ppm**	**********	**********	**********	
Magnesium					
Calcium					
Sodium					
Org.Matter	**7.7 %**	**********	**********	**********	**********
Carbonate(CCE)					
Sol. Salts	0-6" **0.91 mmho/cm** 6-24" **1.07 mmho/cm**	**********	**********	**********	

1st Crop Choice		
Grass/Pasture		
YIELD GOAL		
5 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**109**	
P_2O_5	**30**	**Broadcast**
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

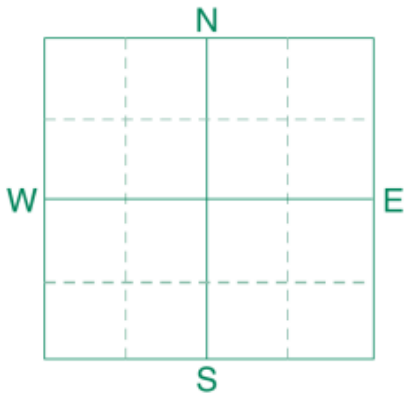
Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.3** 6-24" **9.0**							

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **SW 25-19-05W1**
SAMPLE ID
FIELD NAME **SW 25-19-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **90**
PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB **R0A 0V0**

REF # **1889446** BOX # **0**
LAB # **NW24536**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" 21 lb/ac 6-24" 33 lb/ac 0-24'' 54 lb/ac	**********			
Phosphorus	Olsen 5 ppm	********			
Potassium	353 ppm	**********	**********	**********	**********
Chloride					
Sulfur	0-6" 34 lb/ac 6-24" 360 +lb/ac	**********	**********	**********	**********
Boron					
Zinc	0.83 ppm	**********	**********	***	
Iron					
Manganese					
Copper	1.21 ppm	**********	**********	**********	**********
Magnesium					
Calcium					
Sodium					
Org.Matter	7.4 %	**********	**********	**********	**********
Carbonate(CCE)					
Sol. Salts	0-6" 0.57 mmho/cm 6-24" 1.63 mmho/cm	**********	**********	**********	**********

1st Crop Choice		
Grass/Pasture		
YIELD GOAL		
5 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	96	
P_2O_5	59	Broadcast
K_2O	0	
Cl		
S	0	
B		
Zn	2	Broadcast (Trial)
Fe		
Mn		
Cu	0	
Mg		
Lime		

2nd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

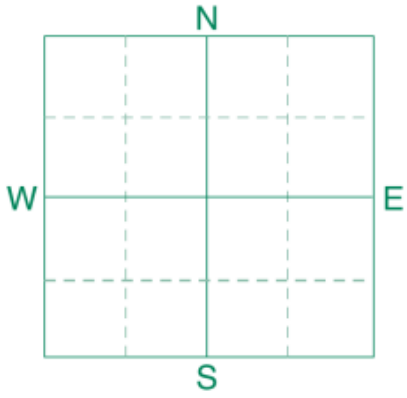
Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.1** 6-24" **8.5**							

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **NE 36-19-05W1**
SAMPLE ID
FIELD NAME **NE 36-19-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **125**
PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1889447** BOX # **0**
LAB # **NW24535**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **36 lb/ac** 6-24" **81 lb/ac** 0-24'' **117 lb/ac**				
Phosphorus	**Olsen 17 ppm**				
Potassium	**256 ppm**				
Chloride					
Sulfur	0-6" **120 +lb/ac** 6-24" **360 +lb/ac**				
Boron					
Zinc	**1.31 ppm**				
Iron					
Manganese					
Copper	**1.0 ppm**				
Magnesium					
Calcium					
Sodium					
Org.Matter	**9.0 %**				
Carbonate(CCE)					
Sol. Salts	0-6" **0.8 mmho/cm** 6-24" **0.94 mmho/cm**				

1st Crop Choice		
Grass/Pasture		
YIELD GOAL		
5 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**33**	
P_2O_5	**0**	
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

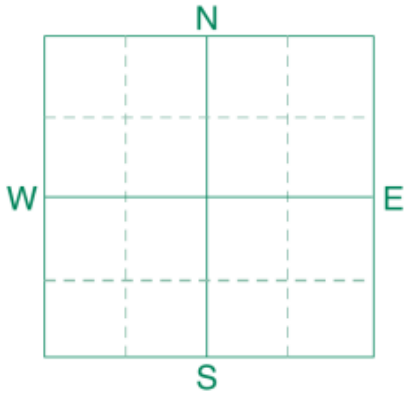
Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.0** 6-24" **8.3**							

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **SE 36-19-05W1**
SAMPLE ID
FIELD NAME **SE 36-19-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **115**
PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1889448** BOX # **0**
LAB # **NW24509**

Date Sampled **04/26/2017** Date Received **04/28/2017** Date Reported **5/2/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **30 lb/ac** 6-24" **66 lb/ac** 0-24'' **96 lb/ac**				
Phosphorus	**Olsen 24 ppm**				
Potassium	**276 ppm**				
Chloride					
Sulfur	0-6" **72 lb/ac** 6-24" **360 +lb/ac**				
Boron					
Zinc	**1.34 ppm**				
Iron					
Manganese					
Copper	**0.94 ppm**				
Magnesium					
Calcium					
Sodium					
Org.Matter	**8.9 %**				
Carbonate(CCE)					
Sol. Salts	0-6" **0.66 mmho/cm** 6-24" **1.01 mmho/cm**				

1st Crop Choice		
Grass/Pasture		
YIELD GOAL		
5 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**54**	
P_2O_5	**0**	
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

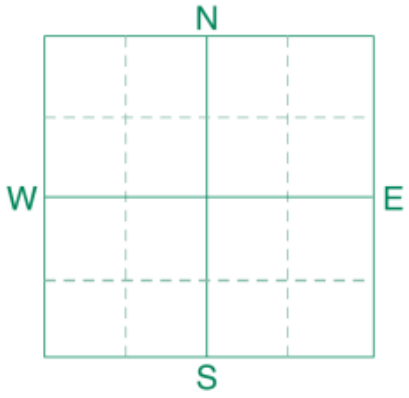
Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.0** 6-24" **8.3**							

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 225 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **SE 27-19-05W1**
SAMPLE ID
FIELD NAME **SE 27-19-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **0**
PREV. CROP



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB **R0A 0V0**

REF # **1908802** BOX # **0**
LAB # **NW32611**

Date Sampled **05/25/2017** Date Received **05/31/2017** Date Reported **5/31/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **34 lb/ac** 6-24" **21 lb/ac** 0-24'' **55 lb/ac**		**********		
Phosphorus	**Olsen** **16 ppm**	**********	**********	**********	**********
Potassium	**476 ppm**	**********	**********	**********	**********
Chloride					
Sulfur	0-6" **120 +lb/ac** 6-24" **360 +lb/ac**	**********	**********	**********	**********
Boron					
Zinc	**4.87 ppm**	**********	**********	**********	**********
Iron					
Manganese					
Copper	**1.6 ppm**	**********	**********	*******	*
Magnesium					
Calcium					
Sodium					
Org.Matter	**13.9 %**	**********	**********	**********	**********
Carbonate(CCE)					
Sol. Salts	0-6" **2.82 mmho/cm** 6-24" **2.58 mmho/cm**	**********	**********	**********	**********

1st Crop Choice		
Corn-Grain		
YIELD GOAL		
160 BU		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**137**	
P_2O_5	**60**	**Broadcast**
K_2O	**10**	**Band (2x2) ***
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
Corn-Silage		
YIELD GOAL		
18 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**132**	
P_2O_5	**67**	**Broadcast**
K_2O	**10**	**Band (2x2) ***
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

3rd Crop Choice		
Soybeans		
YIELD GOAL		
50 BU		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	***	
P_2O_5	**36**	**Broadcast**
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.1** 6-24" **8.4**							

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. High salt levels may decrease yields in portions of this field. Crop Removal: P2O5 = 64 K2O = 43 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

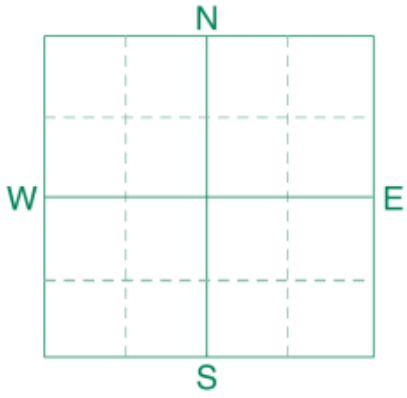
Crop 2: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. High salt levels may decrease yields in portions of this field. Crop Removal: P2O5 = 65 K2O = 149 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

Crop 3: 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 = 44 K2O = 75 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years. Soybeans may respond to nitrogen on fields testing less than 60 lb/ac with a limited soybean history.

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

SOIL TEST REPORT

FIELD ID **NE 10-19-05W1**
SAMPLE ID
FIELD NAME **NE 10-19-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **0**
PREV. CROP



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB **R0A 0V0**

REF # **1908803** BOX # **0**
LAB # **NW32626**

Date Sampled **05/25/2017** Date Received **05/31/2017** Date Reported **5/31/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **22 lb/ac** 6-24" **18 lb/ac** 0-24'' **40 lb/ac**	********			
Phosphorus	**Olsen 5 ppm**	********			
Potassium	**281 ppm**	********	********	********	********
Chloride					
Sulfur	0-6" **120 +lb/ac** 6-24" **360 +lb/ac**	******** ********	******** ********	******** ********	******** ********
Boron					
Zinc	**0.83 ppm**	**********	**********	***	
Iron					
Manganese					
Copper	**1.89 ppm**	********	********	********	**
Magnesium					
Calcium					
Sodium					
Org.Matter	**6.1 %**	********	********	********	********
Carbonate(CCE)					
Sol. Salts	0-6" **3.71 mmho/cm** 6-24" **3.17 mmho/cm**	******** ********	******** ********	******** ********	******** ********

1st Crop Choice		
Corn-Grain		
YIELD GOAL		
160 BU		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**152**	
P_2O_5	**123**	**Broadcast**
K_2O	**10**	**Band (2x2) ***
Cl		
S	**0**	
B		
Zn	**7**	**Broadcast**
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
Corn-Silage		
YIELD GOAL		
18 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**147**	
P_2O_5	**122**	**Broadcast**
K_2O	**10**	**Band (2x2) ***
Cl		
S	**0**	
B		
Zn	**7**	**Broadcast**
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

3rd Crop Choice		
Soybeans		
YIELD GOAL		
50 BU		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	***	
P_2O_5	**80**	**Broadcast**
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**4**	**Broadcast**
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.3** 6-24" **8.5**							

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. High salt levels may decrease yields in portions of this field. Crop Removal: P2O5 = 64 K2O = 43 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

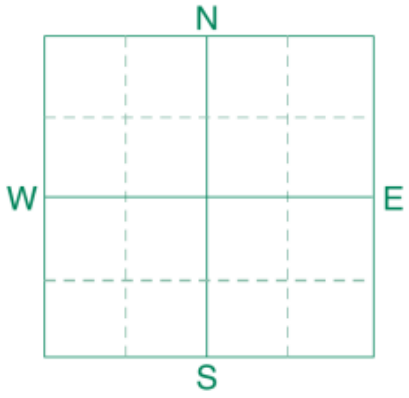
Crop 2: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. High salt levels may decrease yields in portions of this field. Crop Removal: P2O5 = 65 K2O = 149 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

Crop 3: 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 = 44 K2O = 75 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years. Soybeans may respond to nitrogen on fields testing less than 60 lb/ac with a limited soybean history.

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

SOIL TEST REPORT

FIELD ID **SE 15-19-05W1**
SAMPLE ID
FIELD NAME **SE 15-19-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **0**
PREV. CROP



REF # **1908804** BOX # **0**
LAB # **NW32624**

SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB **R0A 0V0**

Date Sampled **05/25/2017** Date Received **05/31/2017** Date Reported **5/31/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **30 lb/ac** 6-24" **24 lb/ac** 0-24'' **54 lb/ac**	**********			
Phosphorus	**Olsen** **9 ppm**	**********		**	
Potassium	**320 ppm**	**********	**********	**********	**********
Chloride					
Sulfur	0-6" **120 +lb/ac** 6-24" **360 +lb/ac**	**********	**********	**********	**********
Boron					
Zinc	**1.39 ppm**	**********	**********	**********	**
Iron					
Manganese					
Copper	**1.77 ppm**	**********	**********	*******	*
Magnesium					
Calcium					
Sodium					
Org.Matter	**8.3 %**	**********	**********	**********	**********
Carbonate(CCE)					
Sol. Salts	0-6" **2.57 mmho/cm** 6-24" **2.09 mmho/cm**	**********	**********	**********	**********

1st Crop Choice		
Corn-Grain		
YIELD GOAL		
160 BU		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**138**	
P_2O_5	**100**	**Broadcast**
K_2O	**10**	**Band (2x2) ***
Cl		
S	**0**	
B		
Zn	**4**	**Broadcast(Trial)**
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
Corn-Silage		
YIELD GOAL		
18 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**133**	
P_2O_5	**102**	**Broadcast**
K_2O	**10**	**Band (2x2) ***
Cl		
S	**0**	
B		
Zn	**4**	**Broadcast(Trial)**
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

3rd Crop Choice		
Soybeans		
YIELD GOAL		
50 BU		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	***	
P_2O_5	**64**	**Broadcast**
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.1** 6-24" **8.5**							

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. High salt levels may decrease yields in portions of this field. Crop Removal: P2O5 = 64 K2O = 43 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

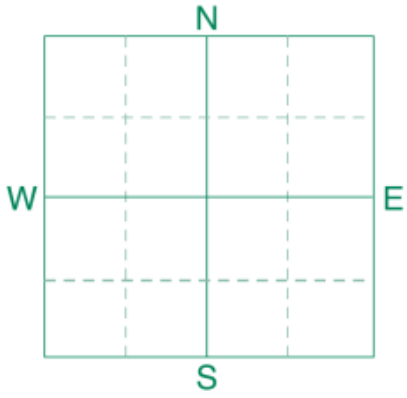
Crop 2: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. High salt levels may decrease yields in portions of this field. Crop Removal: P2O5 = 65 K2O = 149 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

Crop 3: 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 = 44 K2O = 75 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years. Soybeans may respond to nitrogen on fields testing less than 60 lb/ac with a limited soybean history.

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

SOIL TEST REPORT

FIELD ID **SW 35-19-05W1**
SAMPLE ID
FIELD NAME **SW 35-19-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **0**
PREV. CROP



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB **R0A 0V0**

REF # **1908805** BOX # **0**
LAB # **NW32606**

Date Sampled **05/25/2017** Date Received **05/31/2017** Date Reported **5/31/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **19 lb/ac** 6-24" **21 lb/ac** 0-24'' **40 lb/ac**		********		
Phosphorus	**Olsen** **6 ppm**	**********	*****		
Potassium	**290 ppm**	**********	**********	**********	**********
Chloride					
Sulfur	0-6" **120 +lb/ac** 6-24" **360 +lb/ac**	**********	**********	**********	**********
Boron					
Zinc	**1.45 ppm**	**********	**********	**********	***
Iron					
Manganese					
Copper	**1.31 ppm**	**********	**********	*******	*
Magnesium					
Calcium					
Sodium					
Org.Matter	**8.0 %**	**********	**********	**********	**********
Carbonate(CCE)					
Sol. Salts	0-6" **1.01 mmho/cm** 6-24" **1.94 mmho/cm**	**********	**********	*******	*
		**********	**********	**********	**********

1st Crop Choice		
Corn-Grain		
YIELD GOAL		
160 BU		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**152**	
P_2O_5	**117**	**Broadcast**
K_2O	**10**	**Band (2x2) ***
Cl		
S	**0**	
B		
Zn	**4**	**Broadcast(Trial)**
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
Corn-Silage		
YIELD GOAL		
18 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**147**	
P_2O_5	**117**	**Broadcast**
K_2O	**10**	**Band (2x2) ***
Cl		
S	**0**	
B		
Zn	**4**	**Broadcast(Trial)**
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

3rd Crop Choice		
Soybeans		
YIELD GOAL		
50 BU		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	***	
P_2O_5	**76**	**Broadcast**
K_2O	**0**	
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.1** 6-24" **8.4**							

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 = 64 K2O = 43 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

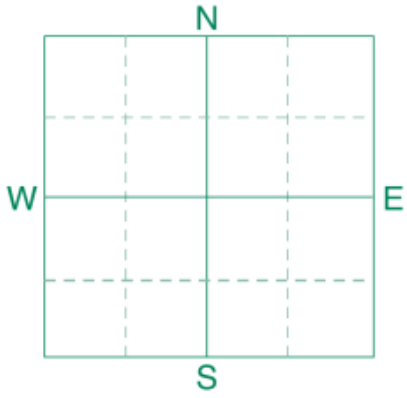
Crop 2: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 65 K2O = 149 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

Crop 3: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 44 K2O = 75 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years. Soybeans may respond to nitrogen on fields testing less than 60 lb/ac with a limited soybean history.

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

SOIL TEST REPORT

FIELD ID **SW 30-20-05W1**
SAMPLE ID
FIELD NAME **SW 30-20-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **0**
PREV. CROP



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1937280** BOX # **0**
LAB # **NW42037**

Date Sampled **07/29/2017** Date Received **08/04/2017** Date Reported **8/4/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
	0-6" **45 lb/ac** 6-24" **48 lb/ac**				
Nitrate	0-24'' **93 lb/ac**				
Phosphorus	**Olsen 50 ppm**				
Potassium	**511 ppm**				
Chloride					
Sulfur	0-6" **30 lb/ac** 6-24" **66 lb/ac**				
Boron					
Zinc	**2.14 ppm**				
Iron					
Manganese					
Copper	**1.13 ppm**				
Magnesium					
Calcium					
Sodium					
Org.Matter	**5.6 %**				
Carbonate(CCE)					
Sol. Salts	0-6" **0.42 mmho/cm** 6-24" **0.26 mmho/cm**				

1st Crop Choice			2nd Crop Choice			3rd Crop Choice		
Corn-Grain			Corn-Silage					
YIELD GOAL			YIELD GOAL			YIELD GOAL		
140 BU			15 Tons					
SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		
Broadcast			Broadcast					
LB/ACRE		APPLICATION	LB/ACRE		APPLICATION	LB/ACRE		APPLICATION
N	**75**		N	**63**		N		
P_2O_5	**15**	**Band (2x2) ***	P_2O_5	**15**	**Band (2x2) ***	P_2O_5		
K_2O	**10**	**Band (2x2) ***	K_2O	**10**	**Band (2x2) ***	K_2O		
Cl			Cl			Cl		
S	**0**		S	**0**		S		
B			B			B		
Zn	**0**		Zn	**0**		Zn		
Fe			Fe			Fe		
Mn			Mn			Mn		
Cu	**0**		Cu	**0**		Cu		
Mg			Mg			Mg		
Lime			Lime			Lime		

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.0** 6-24" **8.7**							

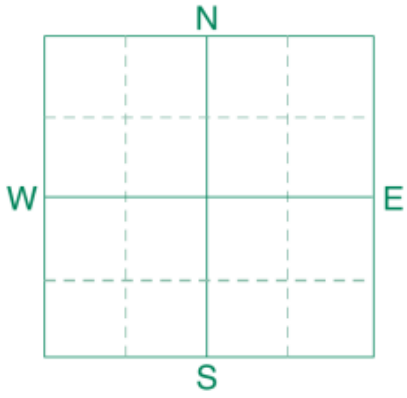
Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 56 K2O = 38 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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 = 54 K2O = 125 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **NW 30-20-05W1**
SAMPLE ID
FIELD NAME **NW 30-20-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **0**
PREV. CROP



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1937281** BOX # **0**
LAB # **NW42040**

Date Sampled **07/29/2017** Date Received **08/04/2017** Date Reported **8/4/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" 6-24" Nitrate	24 lb/ac 30 lb/ac	**********			
0-24'' Nitrate	54 lb/ac				
Olsen Phosphorus	5 ppm	********			
Potassium	163 ppm	**********	**********	**********	**********
Chloride					
0-6" Sulfur	18 lb/ac	**********	**********		
6-24" Sulfur	30 lb/ac	**********	**********	**********	
Boron					
Zinc	1.59 ppm	**********	**********	**********	**********
Iron					
Manganese					
Copper	0.82 ppm	**********	**********	**********	
Magnesium					
Calcium					
Sodium					
Org.Matter	6.1 %	**********	**********	**********	**********
Carbonate(CCE)					
0-6" Sol. Salts	0.33 mmho/cm	********			
6-24" Sol. Salts	0.27 mmho/cm	**********			

1st Crop Choice		
Corn-Grain		
YIELD GOAL		
140 BU		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	114	
P_2O_5	108	Broadcast
K_2O	39	Broadcast
Cl		
S	10	Broadcast (Trial)
B		
Zn	0	
Fe		
Mn		
Cu	0	
Mg		
Lime		

2nd Crop Choice		
Corn-Silage		
YIELD GOAL		
15 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	102	
P_2O_5	102	Broadcast
K_2O	60	Broadcast
Cl		
S	10	Broadcast (Trial)
B		
Zn	2	Broadcast(Trial)
Fe		
Mn		
Cu	0	
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" 8.0 6-24" 8.4							

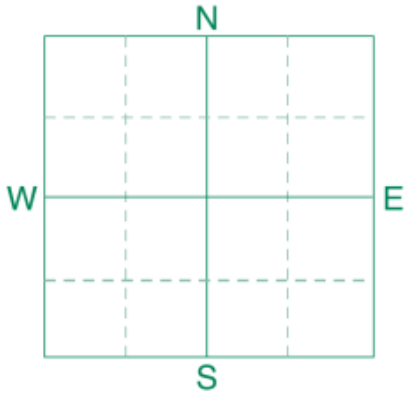
Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 56 K2O = 38 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

Crop 2: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 54 K2O = 125 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **SE 25-20-06W1**
SAMPLE ID
FIELD NAME **SE 25-20-06W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **0**
PREV. CROP



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB **R0A 0V0**

REF # **1937282** BOX # **0**
LAB # **NW42045**

Date Sampled **07/29/2017** Date Received **08/04/2017** Date Reported **8/4/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **19 lb/ac** 6-24" **30 lb/ac** 0-24'' **49 lb/ac**		**********		
Phosphorus	**Olsen** **7 ppm**	**********	**********		
Potassium	**268 ppm**	**********	**********	**********	**********
Chloride					
Sulfur	0-6" **120 +lb/ac** 6-24" **360 +lb/ac**	**********	**********	**********	**********
Boron					
Zinc	**1.25 ppm**	**********	**********	**********	*
Iron					
Manganese					
Copper	**1.66 ppm**	**********	**********	**********	*
Magnesium					
Calcium					
Sodium					
Org.Matter	**8.4 %**	**********	**********	**********	**********
Carbonate(CCE)					
Sol. Salts	0-6" **0.94 mmho/cm** 6-24" **1.17 mmho/cm**	**********	**********	**********	* **

1st Crop Choice		
Corn-Grain		
YIELD GOAL		
140 BU		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**119**	
P_2O_5	**98**	**Broadcast**
K_2O	**10**	**Band (2x2) ***
Cl		
S	**0**	
B		
Zn	**2**	**Broadcast(Trial)**
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
Corn-Silage		
YIELD GOAL		
15 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**107**	
P_2O_5	**94**	**Broadcast**
K_2O	**10**	**Band (2x2) ***
Cl		
S	**0**	
B		
Zn	**4**	**Broadcast(Trial)**
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.1** 6-24" **8.2**							

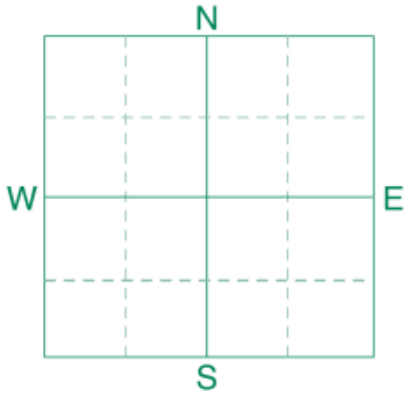
Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 56 K2O = 38 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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 = 54 K2O = 125 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **NW 15-20-05W1**
SAMPLE ID
FIELD NAME **NW 15-20-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **0**
PREV. CROP



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1937283** BOX # **0**
LAB # **NW42034**

Date Sampled **07/29/2017** Date Received **08/04/2017** Date Reported **8/4/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **15 lb/ac** 6-24" **18 lb/ac** 0-24'' **33 lb/ac**	******			
Phosphorus	**Olsen 14 ppm**	******	******	******	****
Potassium	**290 ppm**	******	******	******	******
Chloride					
Sulfur	0-6" **120 +lb/ac** 6-24" **360 +lb/ac**	******	******	******	******
Boron					
Zinc	**1.40 ppm**	******	******	******	**
Iron					
Manganese					
Copper	**1.9 ppm**	******	******	******	**
Magnesium					
Calcium					
Sodium					
Org.Matter	**10.0 %**	******	******	******	******
Carbonate(CCE)					
Sol. Salts	0-6" **1.02 mmho/cm** 6-24" **1.39 mmho/cm**	******	******	******	* ***

1st Crop Choice		
Corn-Grain		
YIELD GOAL		
140 BU		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**135**	
P_2O_5	**62**	**Broadcast**
K_2O	**10**	**Band (2x2) ***
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
Corn-Silage		
YIELD GOAL		
15 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**123**	
P_2O_5	**64**	**Broadcast**
K_2O	**10**	**Band (2x2) ***
Cl		
S	**0**	
B		
Zn	**2**	**Broadcast(Trial)**
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **7.8** 6-24" **8.2**							

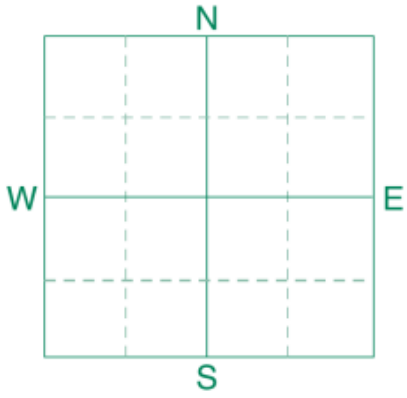
Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 56 K2O = 38 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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 = 54 K2O = 125 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **NW 18-20-05W1**
SAMPLE ID
FIELD NAME **NW 18-20-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **0**
PREV. CROP



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB **R0A 0V0**

REF # **1937263** BOX # **0**
LAB # **NW42049**

Date Sampled **07/29/2017** Date Received **08/04/2017** Date Reported **8/4/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **180 lb/ac** 6-24" **156 lb/ac** 0-24'' **336 lb/ac**	******	******	******	******
Phosphorus	**Olsen** **28 ppm**	******	******	******	******
Potassium	**246 ppm**	******	******	******	******
Chloride					
Sulfur	0-6" **30 lb/ac** 6-24" **42 lb/ac**	******	******	******	******
Boron					
Zinc	**2.43 ppm**	******	******	******	******
Iron					
Manganese					
Copper	**0.76 ppm**	******	******	*****	
Magnesium					
Calcium					
Sodium					
Org.Matter	**6.2 %**	******	******	******	******
Carbonate(CCE)					
Sol. Salts	0-6" **0.88 mmho/cm** 6-24" **0.53 mmho/cm**	******	******	*******	

1st Crop Choice		
Corn-Grain		
YIELD GOAL		
140 BU		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**10**	
P_2O_5	**15**	**Band (2x2) ***
K_2O	**10**	**Band (2x2) ***
Cl		
S	**10**	**Broadcast (Trial)**
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
Corn-Silage		
YIELD GOAL		
15 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**10**	
P_2O_5	**15**	**Band (2x2) ***
K_2O	**10**	**Band (2x2) ***
Cl		
S	**10**	**Broadcast (Trial)**
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.0** 6-24" **8.5**							

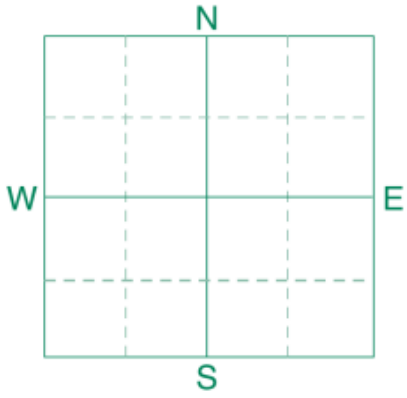
Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 56 K2O = 38 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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 = 54 K2O = 125 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **SE 26-20-06W1**
SAMPLE ID
FIELD NAME **SE 26-20-06W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **0**
PREV. CROP



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB **R0A 0V0**

REF # **1937264** BOX # **0**
LAB # **NW42036**

Date Sampled **07/29/2017** Date Received **08/04/2017** Date Reported **8/4/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **26 lb/ac** 6-24" **21 lb/ac** 0-24'' **47 lb/ac**	*********			
Phosphorus	**Olsen** **20 ppm**	**********	**********	**********	**********
Potassium	**402 ppm**	**********	**********	**********	**********
Chloride					
Sulfur	0-6" **42 lb/ac** 6-24" **48 lb/ac**	**********	**********	**********	**********
Boron					
Zinc	**2.64 ppm**	**********	**********	**********	**********
Iron					
Manganese					
Copper	**1.14 ppm**	**********	**********	**********	
Magnesium					
Calcium					
Sodium					
Org.Matter	**6.2 %**	**********	**********	**********	**********
Carbonate(CCE)					
Sol. Salts	0-6" **0.57 mmho/cm** 6-24" **0.3 mmho/cm**	**********	**********	**********	

1st Crop Choice		
Corn-Grain		
YIELD GOAL		
140 BU		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**121**	
P_2O_5	**32**	**Broadcast**
K_2O	**10**	**Band (2x2) ***
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
Corn-Silage		
YIELD GOAL		
15 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**109**	
P_2O_5	**39**	**Broadcast**
K_2O	**10**	**Band (2x2) ***
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.2** 6-24" **8.6**							

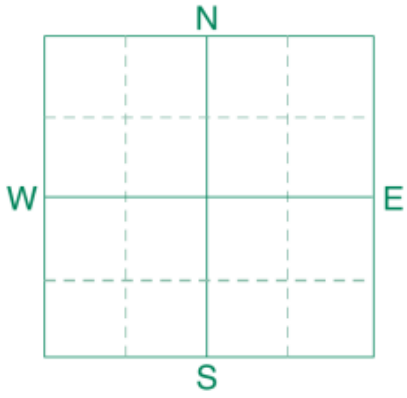
Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 56 K2O = 38 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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 = 54 K2O = 125 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **NW 32-20-05W1**
SAMPLE ID
FIELD NAME **NW 32-20-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **0**
PREV. CROP



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1937265** BOX # **0**
LAB # **NW42046**

Date Sampled **07/29/2017** Date Received **08/04/2017** Date Reported **8/4/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" 130 lb/ac 6-24" 315 lb/ac 0-24'' 445 lb/ac Nitrate		**********	**********	**********	**********
Olsen Phosphorus	12 ppm	**********	**********	**********	
Potassium	270 ppm	**********	**********	**********	**********
Chloride					
0-6" 22 lb/ac 6-24" 36 lb/ac Sulfur		**********	**********	**********	**********
Boron					
Zinc	1.46 ppm	**********	**********	**********	**********
Iron					
Manganese					
Copper	0.92 ppm	**********	**********	**********	
Magnesium					
Calcium					
Sodium					
Org.Matter	8.4 %	**********	**********	**********	**********
Carbonate(CCE)					
0-6" 0.54 mmho/cm 6-24" 0.48 mmho/cm Sol. Salts		**********	**********	**********	

1st Crop Choice		
Corn-Grain		
YIELD GOAL		
140 BU		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	10	
P_2O_5	73	Broadcast
K_2O	10	Band (2x2) *
Cl		
S	10	Broadcast (Trial)
B		
Zn	0	
Fe		
Mn		
Cu	0	
Mg		
Lime		

2nd Crop Choice		
Corn-Silage		
YIELD GOAL		
15 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	10	
P_2O_5	73	Broadcast
K_2O	10	Band (2x2) *
Cl		
S	10	Broadcast (Trial)
B		
Zn	2	Broadcast(Trial)
Fe		
Mn		
Cu	0	
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.0** 6-24" **8.1**							

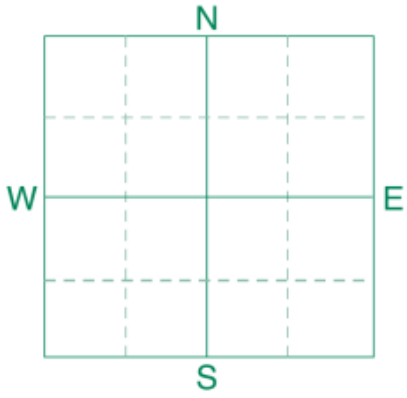
Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 56 K2O = 38 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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 = 54 K2O = 125 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **SW 32-20-05W1**
SAMPLE ID
FIELD NAME **SW 32-20-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **0**
PREV. CROP



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB **R0A 0V0**

REF # **1937266** BOX # **0**
LAB # **NW42041**

Date Sampled **07/29/2017** Date Received **08/04/2017** Date Reported **8/4/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
	0-6" **73 lb/ac** 6-24" **129 lb/ac**				
Nitrate	0-24'' **202 lb/ac**				
Phosphorus	**Olsen** **6 ppm**	**********	*****		
Potassium	**328 ppm**	**********	**********	**********	**********
Chloride					
Sulfur	0-6" **68 lb/ac** 6-24" **360 +lb/ac**	**********	**********	**********	**********
Boron					
Zinc	**4.19 ppm**	**********	**********	**********	**********
Iron					
Manganese					
Copper	**1.6 ppm**	**********	**********	**********	*
Magnesium					
Calcium					
Sodium					
Org.Matter	**19.6 %**	**********	**********	**********	**********
Carbonate(CCE)					
Sol. Salts	0-6" **0.77 mmho/cm** 6-24" **0.8 mmho/cm**	**********	**********	**********	

1st Crop Choice		
Corn-Grain		
YIELD GOAL		
140 BU		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**10**	
P_2O_5	**103**	**Broadcast**
K_2O	**10**	**Band (2x2) ***
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
Corn-Silage		
YIELD GOAL		
15 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**10**	
P_2O_5	**98**	**Broadcast**
K_2O	**10**	**Band (2x2) ***
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.0** 6-24" **8.4**							

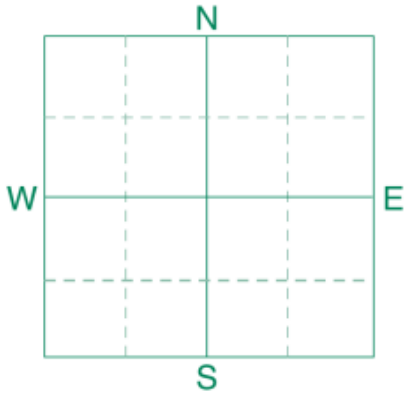
Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 56 K2O = 38 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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 = 54 K2O = 125 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **SW 18-20-05W1**
SAMPLE ID
FIELD NAME **SW 18-20-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **0**
PREV. CROP



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB **R0A 0V0**

REF # **1937267** BOX # **0**
LAB # **NW42035**

Date Sampled **07/29/2017** Date Received **08/04/2017** Date Reported **8/4/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" 6-24"	130 lb/ac 84 lb/ac				
0-24'' Nitrate	214 lb/ac				
Olsen Phosphorus	8 ppm				
Potassium	215 ppm				
Chloride					
0-6" 6-24" Sulfur	48 lb/ac 42 lb/ac				
Boron					
Zinc	1.48 ppm				
Iron					
Manganese					
Copper	1.41 ppm				
Magnesium					
Calcium					
Sodium					
Org.Matter	5.5 %				
Carbonate(CCE)					
0-6" 6-24" Sol. Salts	0.8 mmho/cm 0.45 mmho/cm				

1st Crop Choice		
Corn-Grain		
YIELD GOAL		
140 BU		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	10	
P_2O_5	93	Broadcast
K_2O	10	Band (2x2) *
Cl		
S	0	
B		
Zn	2	Broadcast(Trial)
Fe		
Mn		
Cu	0	
Mg		
Lime		

2nd Crop Choice		
Corn-Silage		
YIELD GOAL		
15 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	10	
P_2O_5	89	Broadcast
K_2O	29	Broadcast
Cl		
S	0	
B		
Zn	4	Broadcast(Trial)
Fe		
Mn		
Cu	0	
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.3** 6-24" **8.6**							

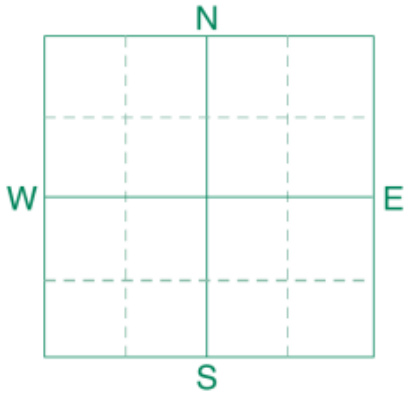
Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 56 K2O = 38 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

Crop 2: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 54 K2O = 125 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **SW 26-20-06W1**
SAMPLE ID
FIELD NAME **SW 26-20-06W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **0**
PREV. CROP



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB **R0A 0V0**

REF # **1937268** BOX # **0**
LAB # **NW42042**

Date Sampled **07/29/2017** Date Received **08/04/2017** Date Reported **8/4/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
	0-6" 133 lb/ac **6-24" 84 lb/ac**				
Nitrate	**0-24'' 217 lb/ac**				
Phosphorus	**Olsen 18 ppm**				
Potassium	**686 ppm**				
Chloride					
Sulfur	**0-6" 44 lb/ac** **6-24" 66 lb/ac**				
Boron					
Zinc	**2.33 ppm**				
Iron					
Manganese					
Copper	**1.24 ppm**				
Magnesium					
Calcium					
Sodium					
Org.Matter	**8.4 %**				
Carbonate(CCE)					
Sol. Salts	**0-6" 0.9 mmho/cm** **6-24" 0.42 mmho/cm**				

1st Crop Choice			2nd Crop Choice			3rd Crop Choice		
Corn-Grain			Corn-Silage					
YIELD GOAL			YIELD GOAL			YIELD GOAL		
140 BU			15 Tons					
SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		
Broadcast			Broadcast					
LB/ACRE		APPLICATION	LB/ACRE		APPLICATION	LB/ACRE		APPLICATION
N	**10**		N	**10**		N		
P_2O_5	**42**	**Broadcast**	P_2O_5	**47**	**Broadcast**	P_2O_5		
K_2O	**10**	**Band (2x2) ***	K_2O	**10**	**Band (2x2) ***	K_2O		
Cl			Cl			Cl		
S	**0**		S	**0**		S		
B			B			B		
Zn	**0**		Zn	**0**		Zn		
Fe			Fe			Fe		
Mn			Mn			Mn		
Cu	**0**		Cu	**0**		Cu		
Mg			Mg			Mg		
Lime			Lime			Lime		

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **7.9** 6-24" **8.5**							

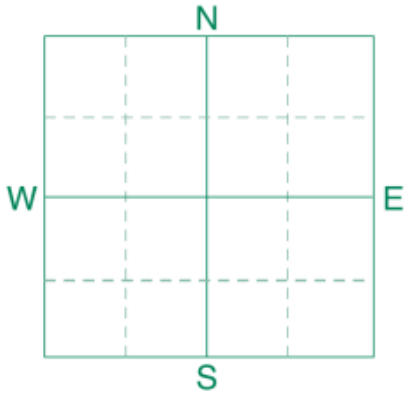
Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 56 K2O = 38 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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 = 54 K2O = 125 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **SW 33-20-05W1**
SAMPLE ID
FIELD NAME **SW 33-20-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **0**
PREV. CROP



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB **R0A 0V0**

REF # **1937278** BOX # **0**
LAB # **NW42038**

Date Sampled **07/29/2017** Date Received **08/04/2017** Date Reported **8/4/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **24 lb/ac** 6-24" **15 lb/ac** 0-24'' **39 lb/ac**	********			
Phosphorus	**Olsen** **13 ppm**	**********	**********	**********	**
Potassium	**204 ppm**	**********	**********	**********	**********
Chloride					
Sulfur	0-6" **32 lb/ac** 6-24" **252 lb/ac**	**********	**********	**********	**********
Boron					
Zinc	**2.73 ppm**	**********	**********	**********	**********
Iron					
Manganese					
Copper	**1.29 ppm**	**********	**********	**********	**********
Magnesium					
Calcium					
Sodium					
Org.Matter	**8.5 %**	**********	**********	**********	**********
Carbonate(CCE)					
Sol. Salts	0-6" **0.48 mmho/cm** 6-24" **0.35 mmho/cm**	**********	**********	********	

1st Crop Choice		
Corn-Grain		
YIELD GOAL		
140 BU		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**129**	
P_2O_5	**67**	**Broadcast**
K_2O	**10**	**Band (2x2) ***
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
Corn-Silage		
YIELD GOAL		
15 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**117**	
P_2O_5	**68**	**Broadcast**
K_2O	**35**	**Broadcast**
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.3** 6-24" **8.4**							

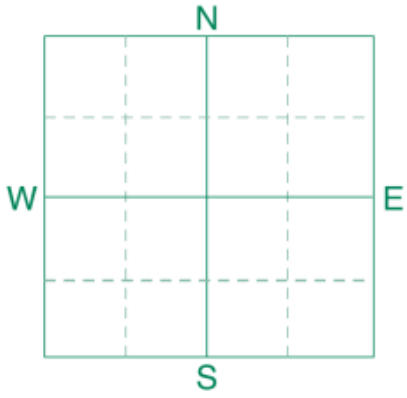
Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 56 K2O = 38 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

Crop 2: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 54 K2O = 125 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **NE 27-20-06W1**
SAMPLE ID
FIELD NAME **NE 27-20-06W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **0**
PREV. CROP



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB **R0A 0V0**

REF # **1937279** BOX # **0**
LAB # **NW42047**

Date Sampled **07/29/2017** Date Received **08/04/2017** Date Reported **8/4/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
0-6" 6-24" Nitrate	26 lb/ac 39 lb/ac	**********			
0-24'' Nitrate	65 lb/ac				
Olsen Phosphorus	38 ppm	**********	**********	**********	**********
Potassium	241 ppm	**********	**********	**********	**********
Chloride					
0-6" Sulfur	32 lb/ac	**********	**********	**********	
6-24" Sulfur	84 lb/ac	**********	**********	**********	**********
Boron					
Zinc	2.22 ppm	**********	**********	**********	**********
Iron					
Manganese					
Copper	1.29 ppm	**********	**********	**********	**********
Magnesium					
Calcium					
Sodium					
Org.Matter	6.5 %	**********	**********	**********	**********
Carbonate(CCE)					
0-6" Sol. Salts	0.33 mmho/cm	**********			
6-24" Sol. Salts	0.27 mmho/cm	**********			

1st Crop Choice			2nd Crop Choice			3rd Crop Choice		
Corn-Grain			Corn-Silage					
YIELD GOAL			YIELD GOAL			YIELD GOAL		
140 BU			15 Tons					
SUGGESTED GUIDELINES			SUGGESTED GUIDELINES			SUGGESTED GUIDELINES		
Broadcast			Broadcast					
LB/ACRE		APPLICATION	LB/ACRE		APPLICATION	LB/ACRE		APPLICATION
N	**103**		N	**91**		N		
P_2O_5	**15**	**Band (2x2) ***	P_2O_5	**15**	**Band (2x2) ***	P_2O_5		
K_2O	**10**	**Band (2x2) ***	K_2O	**13**	**Broadcast**	K_2O		
Cl			Cl			Cl		
S	**0**		S	**0**		S		
B			B			B		
Zn	**0**		Zn	**0**		Zn		
Fe			Fe			Fe		
Mn			Mn			Mn		
Cu	**0**		Cu	**0**		Cu		
Mg			Mg			Mg		
Lime			Lime			Lime		

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **7.9** 6-24" **8.2**							

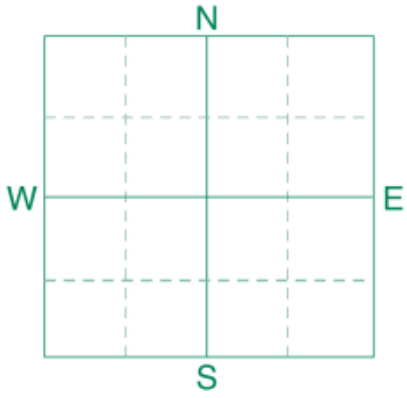
Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 56 K2O = 38 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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 = 54 K2O = 125 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **SW 10-19-05W1**
SAMPLE ID
FIELD NAME **SW 10-19-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **0**
PREV. CROP



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB R0A 0V0

REF # **1937285** BOX # **0**
LAB # **NW42044**

Date Sampled **07/29/2017** Date Received **08/04/2017** Date Reported **8/4/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **14 lb/ac** 6-24" **21 lb/ac** 0-24'' **35 lb/ac**	*******			
Phosphorus	**Olsen 6 ppm**	**********			
Potassium	**231 ppm**	**********	**********	**********	**********
Chloride					
Sulfur	0-6" **120 +lb/ac** 6-24" **360 +lb/ac**	**********	**********	**********	**********
Boron					
Zinc	**2.20 ppm**	**********	**********	**********	**********
Iron					
Manganese					
Copper	**2.08 ppm**	**********	**********	**********	**
Magnesium					
Calcium					
Sodium					
Org.Matter	**9.5 %**	**********	**********	**********	**********
Carbonate(CCE)					
Sol. Salts	0-6" **4.89 mmho/cm** 6-24" **3.68 mmho/cm**	**********	**********	**********	**********

1st Crop Choice		
Corn-Grain		
YIELD GOAL		
140 BU		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**133**	
P_2O_5	**103**	**Broadcast**
K_2O	**10**	**Band (2x2) ***
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
Corn-Silage		
YIELD GOAL		
15 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**121**	
P_2O_5	**98**	**Broadcast**
K_2O	**19**	**Broadcast**
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.0** 6-24" **8.2**							

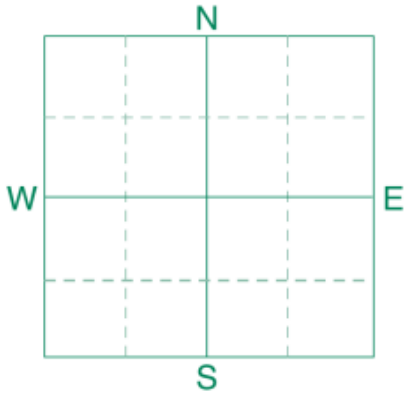
Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. High salt levels may decrease yields in portions of this field. Crop Removal: P2O5 = 56 K2O = 38 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

Crop 2: 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 = 54 K2O = 125 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **NE 29-19-05W1**
SAMPLE ID
FIELD NAME **NE 29-19-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **0**
PREV. CROP



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB **R0A 0V0**

REF # **1937286** BOX # **0**
LAB # **NW42048**

Date Sampled **07/29/2017** Date Received **08/04/2017** Date Reported **8/4/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **30 lb/ac** 6-24" **24 lb/ac** 0-24'' **54 lb/ac**	**********	**********		
Phosphorus	**Olsen** **8 ppm**	**********	**********		
Potassium	**307 ppm**	**********	**********	**********	**********
Chloride					
Sulfur	0-6" **120 +lb/ac** 6-24" **360 +lb/ac**	**********	**********	**********	**********
Boron					
Zinc	**2.05 ppm**	**********	**********	**********	**********
Iron					
Manganese					
Copper	**2.08 ppm**	**********	**********	**********	**********
Magnesium					
Calcium					
Sodium					
Org.Matter	**9.7 %**	**********	**********	**********	**********
Carbonate(CCE)					
Sol. Salts	0-6" **3.65 mmho/cm** 6-24" **3.67 mmho/cm**	**********	**********	**********	**********

1st Crop Choice		
Corn-Grain		
YIELD GOAL		
140 BU		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**114**	
P_2O_5	**93**	**Broadcast**
K_2O	**10**	**Band (2x2) ***
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
Corn-Silage		
YIELD GOAL		
15 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**102**	
P_2O_5	**89**	**Broadcast**
K_2O	**10**	**Band (2x2) ***
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **8.0** 6-24" **8.4**							

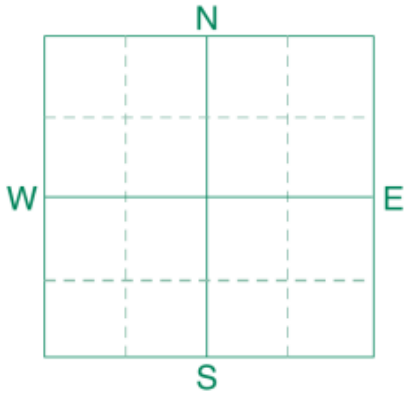
Crop 1: * Caution: Seed Placed Fertilizer Can Cause Injury * Many crops may respond to a starter application of P & K even on high soil tests. High salt levels may decrease yields in portions of this field. Crop Removal: P2O5 = 56 K2O = 38 AGVISE Broadcast guidelines will build P & K test levels to the high range over several 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 = 54 K2O = 125 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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

SOIL TEST REPORT

FIELD ID **SW 06-20-05W1**
SAMPLE ID
FIELD NAME **SW 06-20-05W1**
COUNTY
TWP RANGE
SECTION QTR ACRES **0**
PREV. CROP



SUBMITTED FOR:
Canada Sheep & Lamb Farms

SUBMITTED BY: **DU4426**
FOUR OAK AG SOLUTION
31119 RD 27E
BOX 131
KLEEFELD, MB **R0A 0V0**

REF # **1937287** BOX # **0**
LAB # **NW42039**

Date Sampled **07/29/2017** Date Received **08/04/2017** Date Reported **8/4/2017**

Nutrient In The Soil		Interpretation			
		VLow	Low	Med	High
Nitrate	0-6" **20 lb/ac** 6-24" **24 lb/ac** 0-24'' **44 lb/ac**	*********			
Phosphorus	**Olsen** **5 ppm**	********			
Potassium	**291 ppm**	*******	*******	*******	*******
Chloride					
Sulfur	0-6" **120 +lb/ac** 6-24" **360 +lb/ac**	*******	*******	*******	*******
Boron					
Zinc	**2.98 ppm**	*******	*******	*******	*******
Iron					
Manganese					
Copper	**1.73 ppm**	*******	*******	*******	*
Magnesium					
Calcium					
Sodium					
Org.Matter	**9.9 %**	*******	*******	*******	*******
Carbonate(CCE)					
Sol. Salts	0-6" **1.55 mmho/cm** 6-24" **1.07 mmho/cm**	*******	*******	*******	****

1st Crop Choice		
Corn-Grain		
YIELD GOAL		
140 BU		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**124**	
P_2O_5	**108**	**Broadcast**
K_2O	**10**	**Band (2x2) ***
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

2nd Crop Choice		
Corn-Silage		
YIELD GOAL		
15 Tons		
SUGGESTED GUIDELINES		
Broadcast		
LB/ACRE		APPLICATION
N	**112**	
P_2O_5	**102**	**Broadcast**
K_2O	**10**	**Band (2x2) ***
Cl		
S	**0**	
B		
Zn	**0**	
Fe		
Mn		
Cu	**0**	
Mg		
Lime		

3rd Crop Choice		
YIELD GOAL		
SUGGESTED GUIDELINES		
LB/ACRE		APPLICATION
N		
P_2O_5		
K_2O		
Cl		
S		
B		
Zn		
Fe		
Mn		
Cu		
Mg		
Lime		

Soil pH	Buffer pH	Cation Exchange Capacity	% Base Saturation (Typical Range)				
			% Ca	% Mg	% K	% Na	% H
0-6" **7.9** 6-24" **8.3**							

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 = 56 K2O = 38 AGVISE Broadcast guidelines will build P & K test levels to the high range over several 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 = 54 K2O = 125 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.

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)		6.5		-
Dry Sow/Boar		4		-
Feeder		3		-
Nursery (33 lb.)		2		-
Chickens				
Broilers		0.035		-
Roasters/Pullets		0.04		-
Layers		0.055		-
Breeders		0.07		-
Turkeys				
Turkey Growers		0.13		-
Turkey Heavies		0.16		-
Sheep/Goats				
Sheep/Goats	375	2		750
Ewes/Does	30,000	3		90,000
Lambs/Kids (90 lb.)	17,091	1.6		27,346
		TOTAL (IG/day)		118,096
	***	TOTAL with 10% wash water		129,906

* 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

Unit Conversions		
Total per day	Total per year	Unit
129,906	47,415,690	IG
		litres
		cubic decametres (dam^3)

Enter this number on page 7 of Application Form.

Other consumption:

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

Conversion Factor: 1 IGPM = 4.546 l/m

LOCATION: NW14-19-5W

Well_PID: 20575
Owner: F EINARSON
Driller: FJELDSTED, RICHARD G.
Well Name:
Well Use: PRODUCTION
Water Use: Domestic
UTMX: 566536.952
UTMY: 5609745.19
Accuracy XY: UNKNOWN
UTMZ:
Accuracy Z:
Date Completed: 1973 Mar 10

WELL LOG

From (ft.)	To (ft.)	Log
0	20.0	GREY CLAY
20.0	35.0	GRAVEL& BOULDERS
35.0	64.0	BROWN CLAY& SAND

WELL CONSTRUCTION

From (ft.)	To (ft.)	Casing Type	Inside Dia.(in)	Outside Dia.(in)	Slot Size(in)	Type	Material
0	64.0	casing					

GALVANIZED

Top of Casing: ft. below ground

PUMPING TEST

Date:
Pumping Rate: 5.0 Imp. gallons/minute
Water level before pumping: 10.0 ft. below ground
Pumping level at end of test: 22.0 ft. below ground
Test duration: 2 hours, minutes
Water temperature: ?? degrees F

LOCATION: NE23-19-5W

Well_PID: 66815
Owner: R YOUNG
Driller: Manitoba Diamond Drillers Co. Ltd.
Well Name:
Well Use: PRODUCTION
Water Use: Domestic
UTMX: 567334.774
UTMY: 5611409.03
Accuracy XY: UNKNOWN
UTMZ:
Accuracy Z:
Date Completed: 1989 Apr 19

WELL LOG

From (ft.)	To (ft.)	Log
0	4.0	SILT CLAY
4.0	18.0	HARDPAN SILT
18.0	68.0	SOLID WHITE LIMESTONE
68.0	126.9	LAYER LIME AND RED FORMATION
126.9	146.9	FRACTURED LIMESTONE

WELL CONSTRUCTION

From (ft.)	To (ft.)	Casing Type	Inside Dia.(in)	Outside Dia.(in)	Slot Size(in)	Type	Material
0	42.0	casing	4.00			INSERT	GALVANIZED
42.0	146.9	open hole	4.00				

Top of Casing: ft. below ground

PUMPING TEST

Date: 1989 Apr 19
Pumping Rate: 14.0 Imp. gallons/minute
Water level before pumping: 16.0 ft. below ground
Pumping level at end of test: 16.0 ft. below ground
Test duration: 1 hours, minutes
Water temperature: ?? degrees F

Select Year Range

2006 to 2016

Search Summary

16 records returned

24 farm varieties grown on **1,752.0** acres

Average Yield

2.171 Tonnes (**2.393** Tons) per acre

Average Fertilizer Application

Nitrogen: **16.5** lbs per acre
Phosphorus: **44.7** lbs per acre
Potassium: **11.8** lbs per acre
Sulphur: **5.9** lbs per acre

Year	Muni	Crop	Soil	Farms	Acres	Yield/acre (metric)	Yield/acre (imperial)	Nitrogen (lbs)	Phosphorus (lbs)	Potassium (lbs)	Sulphur (lbs)
2006	Coldwell	Alfalfa	H	*** Below Minimum Tolerance ***							
2006	Coldwell	Alfalfa	I	*** Below Minimum Tolerance ***							
2007	Coldwell	Alfalfa	H	*** Below Minimum Tolerance ***							
2007	Coldwell	Alfalfa	I	*** Below Minimum Tolerance ***							
2008	Coldwell	Alfalfa	H	*** Below Minimum Tolerance ***							
2008	Coldwell	Alfalfa	I	*** Below Minimum Tolerance ***							
2009	Coldwell	Alfalfa	H	*** Below Minimum Tolerance ***							
2009	Coldwell	Alfalfa	I	*** Below Minimum Tolerance ***							
2010	Coldwell	Alfalfa	H	*** Below Minimum Tolerance ***							
2010	Coldwell	Alfalfa	I	*** Below Minimum Tolerance ***							
2012	Coldwell	Alfalfa	H	*** Below Minimum Tolerance ***							
2014	Coldwell	Alfalfa	H	*** Below Minimum Tolerance ***							
2014	Coldwell	Alfalfa	I	*** Below Minimum Tolerance ***							
2015	Coldwell	Alfalfa	H	*** Below Minimum Tolerance ***							
2015	Coldwell	Alfalfa	I	*** Below Minimum Tolerance ***							
2016	Coldwell	Alfalfa	I	*** Below Minimum Tolerance ***							

Select Year Range

2006 to 2016

Search

Search Summary

10 records returned

15 farm varieties grown on 1,192.0 acres

Average Yield

10.102 Tonnes (11.133 Tons) per acre

Average Fertilizer Application

Nitrogen: 104.0 lbs per acre
Phosphorus: 49.5 lbs per acre
Potassium: 9.2 lbs per acre
Sulphur: 5.9 lbs per acre

Year	Muni	Crop	Soil	Farms	Acres	Yield/acre (metric)	Yield/acre (imperial)	Nitrogen (lbs)	Phosphorus (lbs)	Potassium (lbs)	Sulphur (lbs)
2007	Coldwell	Silage Corn	H	*** Below Minimum Tolerance ***							
2008	Coldwell	Silage Corn	H	*** Below Minimum Tolerance ***							
2011	Coldwell	Silage Corn	I	*** Below Minimum Tolerance ***							
2012	Coldwell	Silage Corn	H	*** Below Minimum Tolerance ***							
2013	Coldwell	Silage Corn	H	*** Below Minimum Tolerance ***							
2013	Coldwell	Silage Corn	I	*** Below Minimum Tolerance ***							
2014	Coldwell	Silage Corn	H	*** Below Minimum Tolerance ***							
2015	Coldwell	Silage Corn	H	*** Below Minimum Tolerance ***							
2015	Coldwell	Silage Corn	I	*** Below Minimum Tolerance ***							
2016	Coldwell	Silage Corn	H	*** Below Minimum Tolerance ***							

Select Year Range

2006 to 2016

Search

Search Summary

22 records returned

77 farm varieties grown on **8,744.0** acres

Average Yield

1.349 Tonnes (**1.487** Tons) per acre

Average Fertilizer Application

Nitrogen: **18.1** lbs per acre
Phosphorus: **40.5** lbs per acre
Potassium: **12.0** lbs per acre
Sulphur: **3.8** lbs per acre

Summary includes aggregate data from 'below minimum tolerance' records

Year	Muni	Crop	Soil	Farms	Acres	Yield/acre (metric)	Yield/acre (imperial)	Nitrogen (lbs)	Phosphorus (lbs)	Potassium (lbs)	Sulphur (lbs)
2007	Coldwell	Alfalfa/Grass Mix.	H	5	720.0	1.651 Tonnes	1.820 Tons	34.1	50.8	20.0	5.2
2014	Coldwell	Alfalfa/Grass Mix.	I	5	621.0	1.598 Tonnes	1.761 Tons	23.6	35.2	19.6	6.3
2007	Coldwell	Alfalfa/Grass Mix.	I	7	691.0	1.448 Tonnes	1.596 Tons	35.8	45.4	19.5	4.3
2010	Coldwell	Alfalfa/Grass Mix.	I	5	817.0	1.431 Tonnes	1.576 Tons	10.3	41.4	15.3	3.4
2006	Coldwell	Alfalfa/Grass Mix.	H	5	628.0	1.396 Tonnes	1.539 Tons	14.4	44.3	9.9	1.8
2010	Coldwell	Alfalfa/Grass Mix.	H	4	500.0	1.161 Tonnes	1.279 Tons	12.2	42.7	11.5	2.4
2013	Coldwell	Alfalfa/Grass Mix.	I	4	556.0	1.050 Tonnes	1.157 Tons	12.4	38.0	3.4	2.5
2012	Coldwell	Alfalfa/Grass Mix.	I	3	810.0	0.919 Tonnes	1.013 Tons	16.5	42.5	3.0	4.3

Select Year Range

2006 to 2016

Search

Search Summary

16 records returned

31 farm varieties grown on **2,827.0** acres

Average Yield

0.854 Tonnes (**55.3** Bushels) per acre

Average Fertilizer Application

Nitrogen: **38.9** lbs per acre
Phosphorus: **30.5** lbs per acre
Potassium: **11.2** lbs per acre
Sulphur: **3.5** lbs per acre

Summary includes aggregate data from 'below minimum tolerance' records

Year	Muni	Crop	Soil	Farms	Acres	Yield/acre (metric)	Yield/acre (imperial)	Nitrogen (lbs)	Phosphorus (lbs)	Potassium (lbs)	Sulphur (lbs)
2006	Coldwell	Oats	I	*** Below Minimum Tolerance ***							
2007	Coldwell	Oats	H	*** Below Minimum Tolerance ***							
2007	Coldwell	Oats	I	*** Below Minimum Tolerance ***							
2008	Coldwell	Oats	H	*** Below Minimum Tolerance ***							
2008	Coldwell	Oats	I	*** Below Minimum Tolerance ***							
2009	Coldwell	Oats	I	*** Below Minimum Tolerance ***							
2010	Coldwell	Oats	I	*** Below Minimum Tolerance ***							
2012	Coldwell	Oats	H	*** Below Minimum Tolerance ***							
2012	Coldwell	Oats	I	*** Below Minimum Tolerance ***							
2013	Coldwell	Oats	I	*** Below Minimum Tolerance ***							
2014	Coldwell	Oats	H	*** Below Minimum Tolerance ***							
2015	Coldwell	Oats	H	*** Below Minimum Tolerance ***							
2015	Coldwell	Oats	I	*** Below Minimum Tolerance ***							
2016	Coldwell	Oats	H	*** Below Minimum Tolerance ***							
2016	Coldwell	Oats	I	*** Below Minimum Tolerance ***							
2013	Coldwell	Oats	H	3	510.0	1.421 Tonnes	92.1 Bushels	28.4	23.3	9.2	4.6

Select Year Range

2011 to 2016

Search

Search Summary

8 records returned

9 farm varieties grown on 1,108.0 acres

Average Yield

0.710 Tonnes (31.3 Bushels) per acre

Average Fertilizer Application

Nitrogen: 51.9 lbs per acre
Phosphorus: 22.9 lbs per acre
Potassium: 13.1 lbs per acre
Sulphur: 20.5 lbs per acre

Year	Muni	Crop	Soil	Farms	Acres	Yield/acre (metric)	Yield/acre (imperial)	Nitrogen (lbs)	Phosphorus (lbs)	Potassium (lbs)	Sulphur (lbs)
2012	Coldwell	Argentine Canola	F	*** Below Minimum Tolerance ***							
2012	Coldwell	Argentine Canola	H	*** Below Minimum Tolerance ***							
2013	Coldwell	Argentine Canola	F	*** Below Minimum Tolerance ***							
2013	Coldwell	Argentine Canola	G	*** Below Minimum Tolerance ***							
2013	Coldwell	Argentine Canola	H	*** Below Minimum Tolerance ***							
2014	Coldwell	Argentine Canola	H	*** Below Minimum Tolerance ***							
2015	Coldwell	Argentine Canola	F	*** Below Minimum Tolerance ***							
2015	Coldwell	Argentine Canola	G	*** Below Minimum Tolerance ***							