

SITE ASSESSMENT

For Large Livestock Operation Proposals (300 Animal Units or more)

1.0 Purpose

The set up, or expansion, of a livestock operation that has 300 Animal Units or more is subject to Part 7 of The Planning Act. This includes consideration as a conditional use by the municipal council or planning district board. It also includes a review by the Technical Review Committee (TRC) appointed by the Minister of Local Government. The Technical Review Committee Regulation requires a site assessment to help the committee do its review and allow people who will be affected by the livestock operation to comment on the proposal.

2.0 Assistance

For assistance in completing the Site Assessment Form please refer to the following.

For links to resources, click on the highlighted underlined items.

For additional information on a particular item, please click on the (?) "Learn More" icon.

For definitions, click on the Glossary of Terms.

For help with mapping, contact your Community and Regional Planning Regional Office.

For additional help, contact the Technical Review Coordination Unit.

3.0 Description of Livestock Operation

Operation legal name, if other than the owner's name:

Canada Sheep and Lamb Farms Ltd

Operation location (project site): **?** SW28-3-8E

Rural Municipality (RM) of Stuartburn

Legal description: section, township, range or river lot(s)

SW28-3-8E

Manitoba Premises Identification Number: 16029 44E

Municipal tax roll number(s): 190900

Show the location of the operation (project site) on a location map. (See Location Map for example).

Location Map attached

?

4.0 Nature of Project ? **New operation** **Expansion of existing operation**

State if any existing buildings will be replaced or demolished. If existing buildings will be reused or expanded, state how they will be reused or expanded.

The site will be developed into an animal confinement facility,
there are no buildings or facilities at the site currently.

5.0 Proposed Type and Size of Operation ?

State the proposed type and size of the operation. (See Animal Units Calculation Table.)

Type of operation (Column B from Animal Units Calculation Table)	Existing number of animals (Column C from Animal Units Calculation Table)	Total Animal Units (Column F from Animal Units Calculation Table)
Lamb feeder	Existing - 0	
	Proposed - 15 000	945 AU

 Animal Units Calculation Table attached**6.0 Animal Confinement Facilities ?****Outdoor Confined Livestock Area**

To ensure that it can be built in a way that the environment is protected, a permit is required for construction and expansion of confined livestock areas for operations with 300 Animal Units or more. Permits are required by the Livestock Manure and Mortalities Management Regulation (MR 42/98), under *The Environment Act*.

Confined Livestock Area: outdoor seasonal feeding area feedlot not applicable

Indoor Barn/Animal Housing

Indoor Animal Housing: barn other (describe) _____ not applicable

*Animal confinement
 facility, naturally
 ventilated.*

A permit under the Livestock Manure and Mortalities Management Regulation is not required for an indoor housing area or barn unless there is a manure storage facility within the building (an under barn storage capable of storing manure for 30 days or more).

Show all existing, proposed buildings and additions to existing buildings on the project site plan. See Project Site Plan example and the Project Site Plan Guide for help creating your site plan. **?**

Project Site Plan attached

7.0 Environmental Farm Planning

Environmental farm planning is a voluntary, confidential self-assessment process designed to help farm managers identify the environmental strengths and weaknesses of their operations.

Do you have an Environmental Farm Plan yes no

If so, is it current (completed within past 5 years) yes no

8.0 Water

Project Sites Unsuitable for Development

To protect water quality, the Nutrient Management Regulation (MR 62/2008), under *The Water Protection Act*, prohibits the set up or expansion of nutrient generating facilities in Nutrient Management Zone 4 (Agriculture Capability Class 6, 7 and unimproved organic soils) and Nutrient Buffer Zones. Nutrient generating facilities include barns, confined livestock areas and manure storage facilities.

Nutrient Buffer Zone as defined in section 3(3) of the regulation includes areas of land along water bodies such as rivers, lakes, streams and drains.

The proposed indoor housing area, barn, confined livestock area and/or manure storage facility:

will
will not

be located within Nutrient Management Zone 4 (Class 6, 7 and unimproved organic soils) or any Nutrient Buffer Zone.

Determine the agriculture capability class(es) of the project site, and its limitations. This information is available from Manitoba Agriculture, Food and Rural Development (MAFRD) at 204-945-3869 in Winnipeg. Alternatively, use the following link: Land Based Calculator.

Water Source

To be sustainable, a livestock operation must have access to a sufficient quantity and quality of water for livestock.

Water source for operation:

- | | |
|--|---|
| <input type="checkbox"/> pipeline (public) | <input type="checkbox"/> water co-operative |
| <input checked="" type="checkbox"/> proposed well | <input type="checkbox"/> existing well |
| <input type="checkbox"/> river | <input type="checkbox"/> lake |
| <input type="checkbox"/> dugout (dimensions : ___ x ___ x ___) | |

If using an existing well, provide a copy of the water well log and logs for other wells on the property. Logs can be obtained from Manitoba Conservation and Water Stewardship by calling (204) 945-7418 in Winnipeg; 1-800-214-6497 toll free. **?**

Source Water Analysis Reports

Annual livestock source water monitoring analysis reports must be submitted to Manitoba Conservation and Water Stewardship for any operations of 300 Animal Units or more.

If an existing livestock operation of 300 Animal Units or more, have you submitted an annual source water monitoring report for the current calendar year? yes no n/a

Will livestock have direct access to surface water (not including dugouts)? yes no

If yes, identify:

Name of the surface water feature: _____

List any steps that will be taken to prevent direct access of livestock to the water body.

Lambs will be housed in an animal confinement
facility.

Water Requirements

Protecting the interests of domestic users and the environment, in addition to existing licensees, is the intended purpose of the water rights licensing scheme.

In order to protect the sustainability of water sources, all operations using more than 25,000 litres (5,499 imperial gallons) per day must possess a Water Rights Licence required by the Water Rights Regulation (MR 126/87) under *The Water Rights Act*.

For more information on the Water Rights Licensing process, contact the Water Use Licensing Section at (204) 945-3983 in Winnipeg; 1-800-214-6497 toll free.

Water Use ?

To calculate the total water use, go to the Water Requirement Calculation Table.

Maximum daily use: 24,000 imperial gallons or litres

Maximum annual use: 8,760,000 acre-feet or cubic decameters

Water Requirement Calculation Table attached

Groundwater (Contamination Risk Protection)

Improper storage and handling of manure or mortalities increases the risk of contaminating groundwater. Beneficial management practices (BMP), mitigation measures and requirements for the permit process reduce this risk. Soil testing, manure management planning and proper engineering, along with construction and management of manure storage structures reduce the risk of contaminating groundwater.

Check off the mitigation measures used for the existing components of the operation that may pose a risk of contamination. Also check off any measures that may be used with the proposed components for this expansion, if applicable:

	Existing	Proposed
Manure is stored in a storage facility built by permit or registered by Manitoba Conservation and Water Stewardship	<input type="checkbox"/>	<input type="checkbox"/> N/A
Storage includes leachate collection	<input type="checkbox"/>	<input type="checkbox"/> N/A
Earthen storage has between 400 and 500 days storage	<input type="checkbox"/>	<input type="checkbox"/> N/A
Steel/concrete tank has between 250 and 500 days storage	<input type="checkbox"/>	<input type="checkbox"/> N/A
Manure storage facility meets required setbacks	<input type="checkbox"/>	<input type="checkbox"/> N/A
Field storage (solid manure) locations are changed annually	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Field storage meets required setbacks	<input type="checkbox"/>	<input checked="" type="checkbox"/>
All application fields are soil tested annually for nitrate-N and Olsen phosphorus	<input type="checkbox"/>	<input checked="" type="checkbox"/>
All manure is applied according to a manure management plan	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Licensed commercial manure applicator is used to apply manure	<input type="checkbox"/>	<input type="checkbox"/> OWNER
Abandoned wells have been properly sealed	<input type="checkbox"/>	<input checked="" type="checkbox"/> IF ENCOUNTERED

Other:

Building in Flood Areas

The Livestock Manure and Mortalities Management Regulation prohibits an operator from putting a manure storage facility within the boundaries of the 100-year flood plain elevation. Manure storage facilities that are constructed with protection for a flood-water level at least 0.6 meters higher than the 100-year flood water level are exempt.

The Designated Flood Area Regulation under *The Water Resources Administration Act* requires a Designated Flood Area Permit before a proposed structure (such as a barn) can be built within a Designated Flood Area.

The flood protection level for structures located within a Designated Flood Area is the site specific design flood level plus freeboard, as provided by the Hydraulic Forecasting Branch of Manitoba Infrastructure and Transportation. Contact the Hydrologic Forecasting Branch at (204) 945-2121 in Winnipeg; 1-800-214-6497 toll free.

The proposed site:
 is is not

located in a Designated Flood Area: Red River Valley Designated Flood Area or Lower Red River Designated Flood Area

Note: At the time a permit is issued, verification is needed to ensure any proposed structure(s) are located within the 100-year flood plain elevation; or at an elevation set by Manitoba Infrastructure and Transportation.

Watershed Management Planning

Integrated watershed management planning is a co-operative effort by local residents, stakeholders and governments to create a long term plan to manage water and land-based activities for watersheds.

What are the names of the watershed and sub-watershed where the livestock operation and the fields identified for manure application are located?

Name of watershed(s): Red River

Name of sub-watershed(s): Rat River

Name of Integrated Watershed Management Plan for the proposed project site, if applicable: Rat Marsh River IWMP

For more on Integrated Watershed Management Planning, call Watershed Planning and Programs at (204) 945-7408 in Winnipeg; 1-800-214-6497 toll free.

9.0 Manure

The Livestock Manure and Mortalities Management Regulation sets requirements for the use, management and storage of livestock manure in agricultural operations, to ensure it is handled in an environmentally sound manner. For more information on this, call Manitoba Conservation and Water Stewardship at (204) 619-2230 in Winnipeg.

Improper storage, handling and/or land application of manure can contaminate water and/or cause unacceptable odours for neighbours. The following is used to assess the manure management system.

Manure Type

The type of manure generated and used by the operation influences storage, handling and land application options available.

What type(s) of manure will be generated?

solid semi-solid liquid

Manure Volume or Weight

Manure production can be estimated using the Manure Production Calculator Table. The sizing of the manure storage is the responsibility of the operator and must be constructed in accordance with the Livestock Manure and Mortalities Management Regulation.

Design and construction of a manure storage facility is dependent on the type of structure; earthen manure storage facilities must have between 400 and 500 days capacity, a steel or concrete storage tank must have between 250 and 500 days capacity. This ensures the facility has sufficient capacity eliminating the need for winter application.

What will be the total volume or weight of manure generated annually by the livestock operation? (See Manure Production Calculator Table.)

liquid volume: _____ solid weight: 7 994 tons
 Based on historical experience and
 Manure Production Calculator Table attached <http://www.sheep101.info/201/nutrientmgt.html>

N.B.: No data for sheep.

Manure Storage Type and Capacity

The type of storage system used will affect the capacity requirements for the manure storage facility or field storage area.

What type of manure storage facility will be used by the operation?

- under-barn concrete earthen manure storage concrete tank(s)
 steel tank(s) field storage molehill

Provide the dimensions of the existing and/or proposed manure storage facilities, if applicable. (See Existing and Proposed Manure Storage Facility Dimensions Table.)

- Existing and Proposed Manure Storage Facility Dimensions Table attached

Odour Control Measures (project site)

Barns and manure storage facilities can be significant sources of livestock odours. The use of manure storage covers and shelterbelts can reduce this, particularly for neighbours in the vicinity of the operation.

What odour control measures are you planning to use?

Manure storage cover: yes no

Type of cover: _____

Shelterbelt planting: yes no existing shelterbelt Some of the existing wooded area will be retained and improved.

Other measures (specify): All manure will be composted

Manure Treatment

Under *The Environment Act*, the director must not issue a permit for the modification, expansion, or construction of a manure storage facility accommodating an increase in the number of animal units for pigs, unless the manure is treated using anaerobic digestion or another environmentally sound treatment that is similar to or better than anaerobic digestion, according to Manitoba Conservation and Water Stewardship.

Does your proposal include anaerobic digestion or another environmentally sound treatment for manure?

- yes no not applicable

If yes, please describe Mechanical composting of manure in fields. Compost windrows are turned every 10 days or so, 3 to 4 times from spring to land application.

Manure Application Method

The Livestock Manure and Mortalities Management Regulation requires the registration of annual manure management plans for new or expanding operations with 300 Animal Units or more.

Does the operation currently file an annual Manure Management Plan with Manitoba Conservation and Water Stewardship? (For operations with 300 Animal Units or more, only)

yes no

Manure application methods and the season in which manure is applied affect odour, nutrient availability, crop response, land base requirements and the risk of water contamination.

Proposed application method:

broadcast broadcast and incorporation within 48 hours injection

The Livestock Manure and Mortalities Management Regulation prohibits the application of manure from November 10 of one year to April 10 of the following year (winter application).

Time of year for application: spring summer fall

The Livestock Manure and Mortalities Management Regulation puts restrictions on fall application of manure in the Red River Valley Special Management Area.

The proposed spread fields:

are

are not

in the Red River Valley Special Management Area.

Land Available for Manure Application ?

The land available for manure application includes all suitable land (owned, leased or under agreement) that is available to the operation for manure application.

Under the Livestock Manure and Mortalities Management Regulation and the Nutrient Management Regulation, application of nutrients is not permitted on Agriculture Capability Class 6, 7 and unimproved organic soils (Nutrient Management Zone 4) and within Nutrient Buffer Zones.

Areas of a field that are Class 6, 7, unimproved organic soils (Nutrient Management Zone 4) or areas within the nutrient buffer zones are considered unsuitable for manure application. In addition, fields with 60 parts per million (ppm) Olsen phosphorus (P) in the top six inches (15 centimetres) of soil cannot be included in the land base calculation.

Nutrients cannot be applied within the Nutrient Buffer Zones as outlined in the Nutrient Management Regulation (62/2008) and illustrated in the Setback Requirements From Water Features Table.

Has the setback area for all water features been observed and excluded from land base calculations for this operation?

yes

no

Use the Manure Application Field Characteristics Table to determine the following:

Total suitable area available for manure application

1166 acres

Manure Application Field Characteristics Table attached

Copies of soil test reports that are no more than 12 months old must also be included with this submission.

Soil test reports for the required area for manure application attached.

Land Required for Manure Application

Long term, land base requirements for manure application are calculated based on estimates of the quantity of nutrients (nitrogen and phosphorus) excreted by livestock and the removal of nutrients by the proposed crops.

Phosphorus

The quantity of phosphorus excreted by the livestock depends on the type, number and size of livestock, the quantity and availability of phosphorus fed to the livestock and the amount retained by the livestock.

The removal of phosphorus by crops depends on the crops grown and the historical crop yield averages. (See the Crop Rotation Table).

The Livestock Manure and Mortalities Management Regulation requires that "sufficient land is available to the operator to implement an appropriate manure management plan" before Manitoba Conservation and Water Stewardship will issue a permit for a manure storage facility.

"*Certain Areas*" are defined by the Livestock Manure and Mortalities Management Regulation (M.R. 42/98) as areas where the amount of phosphorus in the manure produced annually by livestock in an area of not less than 93.24 km² is greater than two times the annual crop removal rate of P₂O₅ in that area. Currently the rural municipalities of Hanover and La Broquerie are considered to be "*certain areas*".

A livestock operation is considered to be located within a "*certain area*" if any part of the operation is located within the "*certain area*". This may include, but not limited to, barn(s), confined livestock area(s), field storage location(s), manure storage facility(ies), and/or spread filed(s).

In "*certain areas*" it is Manitoba Conservation and Water Stewardship policy to consider a manure storage facility permit if the operation shows it has access to sufficient suitable land to apply manure at a rate equivalent to one times the crop removal rate of phosphorus.

Is the livestock operation located in "*certain areas*"?

yes no

In areas which are not considered to be “*certain areas*”, Manitoba Conservation and Water Stewardship may issue a manure storage facility permit, if the operation shows it has access to sufficient suitable land to apply manure at a rate equivalent to two times the crop removal rate of phosphorus.

For more information on obtaining a manure storage facility permit, please contact Manitoba Conservation and Water Stewardship, Environmental Approvals branch at (204) 945-5081.

Use the Land Base Calculator to calculate the minimum area required for manure application.

Total minimum area required for manure application at two times crop removal, for operations outside of Hanover and La Broquerie	1132 acres
Total minimum area required for manure application at one times crop removal, for operations within Hanover and La Broquerie AND For the long-term sustainability of operations outside of Hanover and La Broquerie	2264 acres

For more information on completing land base calculations, call Manitoba Agriculture, Food and Rural Initiatives (MAFRI) at (204) 945-3869 in Winnipeg.

Land Base Calculator attached

Land Base Requirement Summary

By comparing the land **available** for manure application with the land **required** for manure application, state whether sufficient suitable land for manure application:

- has not been identified
- has been identified for two times the crop removal rate of phosphorus (for operations outside of the RMs of Hanover or La Broquerie)
- has been identified for one times the crop removal rate of phosphorus (for operations within the RMs of Hanover and La Broquerie)

Long-Term Environmental Sustainability

The Government of Manitoba has included phosphorus as a nutrient by which applications of manure, synthetic fertilizer and municipal waste sludge to agricultural lands may be limited.

Over the short-term for fields with low phosphorus, regulations allow manure to be applied to meet the nitrogen requirements of the crop. This often results in over-application of phosphorus and a build-up of phosphorus in soils. When soil test phosphorus levels reach 60 ppm Olsen P, manure application rates must consider how much phosphorus will be removed in the harvested portion of the crop. At 60 to 119 ppm Olsen P, the amount of phosphorus that can be applied cannot exceed twice (two times) what the crop can remove in order to slow the build-up of soil phosphorus. Once soil test phosphorus levels reach 120 ppm Olsen P, applications of phosphorus are restricted to no more than what the crop can remove (one times) in order to stop further soil test phosphorus build-up. At 180 ppm Olsen P, no additional phosphorus may be applied.

It should be noted that soil-test phosphorus levels of 60 ppm Olsen P or greater are agronomically very high and at these levels most crops will not benefit from additional phosphorus beyond starter phosphorus. As phosphorus levels build up in soils, the concentration of phosphorus in runoff increases.

Therefore, to remain environmentally sustainable over a long-term planning horizon of 25 years or more, phosphorus applications from applied manure and other nutrient sources such as commercial fertilizers must be balanced with crop removal to avoid further build-up in soils. Consequently, sufficient land must be available in relatively close proximity to the operation to balance phosphorus applications with crop phosphorus removals (one times) so that manure treatment and export of phosphorus from the region is not required.

I acknowledge that up to 2264 acres _____ acres/hectares (one times crop removal from table above) may be required for the long term environmental sustainability of the operation.

10.0 Mortalities (Dead Animal) Disposal

The Livestock Manure and Mortalities Management Regulation sets requirements for the use, management and storage of livestock mortalities in agricultural operations. It helps ensure livestock mortalities are handled in an environmentally sound manner. Winter application of composted mortalities is prohibited.

Type of disposal: rendering
 composting
 incineration (in approved incinerator only)

Mass Mortalities

A plan for mass mortalities is in place.

What steps will be taken in the case of mass mortalities?

As part of the development of the site and start up of production,
options including large scale composting, hauling to landfill and rendering
will be compared, and a mass mortality plan will be prepared.

11.0 Project Site Description: Land Use Planning Considerations

For assistance contact your Community and Regional Planning Regional Office.

Development Plan and Zoning Bylaw

The Planning District or Municipal Development Plan and Zoning By-law adopted under The Planning Act, set policy and regulations for the use and development of land. A proposed livestock operation must comply with the requirements of this bylaw. In the absence of a By-law, the Provincial Planning Regulation under The Planning Act applies.

Development Plan

Every Development Plan must contain a livestock operation policy (LOP) that identifies areas where new or expanded livestock operations may be allowed. It must also set general standards for the location and setback of livestock operations. Identifying the Development Plan's land use designation and policies (for the planning district or municipality that affect the site) will help confirm the project site's compliance. The Development Plan designations for the spread fields (if something other than agricultural) will indicate the potential loss of the fields in the future due to possible development.

Name of Planning District	RM of Stuartburn
Development Plan by-law number	098/2011
Land use designation of project site	A1
Livestock operation policies – quote supportive policy numbers	Part 5 - Zones, section 1.b, 2 Zoning Map
Other Development Plan policies – quote supportive policy numbers	Table 6-2, 6-3: New/existing livestock operations Minimum mutual setback...
Non-supportive Development Plan policies	

The Development Plan livestock operation policies support the size and location of the proposed operation.

The Development Plan designations support the long term use of the proposed spread fields.

Zoning By-law

Identifying the zoning for the project site, the proposed spread fields and the related zoning provisions, helps determine the project's compliance and the minimum separation distances needed between the operation and property boundaries and other natural features and land uses. The zoning bylaw contains specific regulations that govern location and setback of livestock operations.

What are the minimum project site requirements stated in the Zoning By-law?

	Project site dimensions	Minimum zoning bylaw site requirements
Minimum site area	160 ac	80 ac
Minimum site width	2640 ft	600 ft
Minimum front yard	905 ft	330 ft
Minimum side and rear yard	778 ft & 2940 ft	330 ft

If any project (front, side or rear) yard site dimensions are less than the Zoning By-law minimum, a Variation Order from the Municipality will be required.

Separation Distances (Zoning Bylaw or Provincial Planning Regulation) ?

Using the proposed size of the operation (see Animal Units Calculation Table) and the type of animal housing and manure storage facility, complete the following table.

Indicate the distance from:

- a. earthen manure storage facility or b. feedlot and
c. animal confinement facility or d. non-earthen manure storage facility...

...to the following land use features (if applicable)	Indicate minimum separation distance required in the zoning bylaw or Provincial Planning Regulation (Check appropriate box(es))		If land use feature is less than the minimum separation distance	
	<input type="checkbox"/> a. <input type="checkbox"/> b.	<input checked="" type="checkbox"/> c. <input type="checkbox"/> d.	Provide actual distance	Provide location or name of feature (e.g. Red River)
Residence/ dwelling		984 FT (300m)	approx 1172 ft	Residence W of site
<u>Designated area</u> (non-agricultural) ?	6300 ft		Approx. 3.9 mi.	Zhoda
Surface water	328 ft		905 ft	Roadside ditch
Surface watercourse	328 ft		approx 3695 ft	Rat River
Crown land	n/a	n/a	784 ft	NE21-3-8E
Wildlife Management Area	n/a	n/a	approx 2.34 mi	Watson P. Davidson WMA
Livestock operation	n/a	n/a	approx. 1115 ft	Cattle op. on NW28-3-8E
Other significant features/land uses	n/a	n/a	approx. 778 ft	Zhoda International Raceway (private motocross circuit)

If Crown Lands are located within one mile, provide coding. Information can be obtained from the Interdepartmental Operations Crown Lands Plans through the Manitoba Legislative Library or contact Manitoba Conservation and Water Stewardship at (204) 619-2230.

If undesignated Crown Lands will be used for manure spreading purposes, including the laying of pipe or clearing activity, and use will require a Crown Lands General Permit disposition for the use and access of the subject Crown Lands Parcel(s). ?

In cases where minimum separation distances are not stated in the Zoning By-law or Development Plan, the minimum separation distances in the Provincial Planning Regulation apply.

Note: If any separation distance is less than the zoning by-law minimum, a Variation Order will be required from the Municipality.

Setback Distances (Livestock Manure and Mortalities Management Regulation)

Using the following table to indicate the distance from:

Feature	Structure	Minimum setback distance required	Provide actual distance (m)	Provide location or name of feature (e.g. Red River)
Surface watercourse, sinkhole, spring, or well	Manure storage facility	100 m		
	Field storage	100 m	> 100 m	Various field locations
	Composting site	100 m	491 m	WEST DITCH
	Confined livestock area	100 m	276 m	Roadside ditch
Property Line	Manure storage facility	100 m		n/a
	Composting site	100 m	193 m	SOUTH PROP. LINE
	Confined livestock area	100 m	177 m	NW28-3-8E

If any setback distances have not been met, please provide explanation below:

Show: a) location of the project site, location and ownership of spread fields and b) land uses and significant features including dwellings (i) within a 1 mile radius of the project site and (ii) within and adjacent to each spread field on a Land Use & Spread Field Map. (See Land Use & Spread Field Map Example). ?

12.0 Truck Haul Routes and Access Points ?

One consideration with new or expanding livestock operations is the potential impact on existing public roads (municipal and provincial), access and the need for improvements or mitigation. Complete the following table.

Vehicle Type	Estimated Average Number of times per day accessing		Access from PTH/PR onto site will mainly require a Left or Right Hand Turn Please check one				Access onto PTH/PR from site will mainly require a Left or Right Hand Turn Please check one			
	Provincial Trunk Highway (PTH)	Provincial Road (PR)	Provincial Trunk Highway (PTH)		Provincial Road (PR)		Provincial Trunk Highway (PTH)		Provincial Road (PR)	
			LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT	LEFT	RIGHT
Truck or passenger	10	6		X		X	X		X	
Tractor Trailer	4	1		X		X	X		X	
Other – Specify Farm machinery	1	2		X	X		X			X

Identify what roads and access points will be used for the proposed operation? (See Truck Haul Routes and Access Points Map for an example).

For help with mapping, contact your Community and Regional Planning Regional Office.

Truck Haul Routes and Access Points Map attached

13.0 Conservation Data Centre Report

A Conservation Data Centre Report must be requested and the response attached to this site assessment. The request may be submitted electronically at:

www.gov.mb.ca/conservation/cdc

Were rare species identified in the Conservation Data Centre Report?

Yes

No

14.0 Supporting Documents

Check off the supporting documents included in this submission:

- Contact Information and Privacy and Publication Notice
- Location Map (shows proposed project within rural municipality)
- Animal Units Calculation Table
- Water Requirement Calculation Table
- Manure Production Calculator Table
- N/A Existing and Proposed Manure Storage Facility Dimensions Tables (if applicable)
- Manure Application Field Characteristics Table
- Crop Rotation Table
- Recent manure application field soil sample results (Nitrate- N lb/ac at 0-6 and 6-24 inch depths, Phosphorus – ppm at 0-6 inch depth)
- Land Base Calculator
- Project Site Plan (proposed operation showing current and proposed structures)
- Land Use and Spread Field Map (location and ownership of operation, spread fields, location and distance to non-agricultural uses, development plan designation, zoning for project site and spread fields)
- Truck Haul Routes and Access Points Map (with routes and access points on municipal/provincial roads and/or provincial trunk highways)
- Response from the Conservation Data Centre
- Other, please specify:

15.0 Declaration

I do hereby verify that the information contained in the Site Assessment and all required Supporting Documents is accurate and complete to my knowledge

Date: July 31/15

Signature: PK Agi

R.M. OF STUARTBURN





MAP REVISED:-

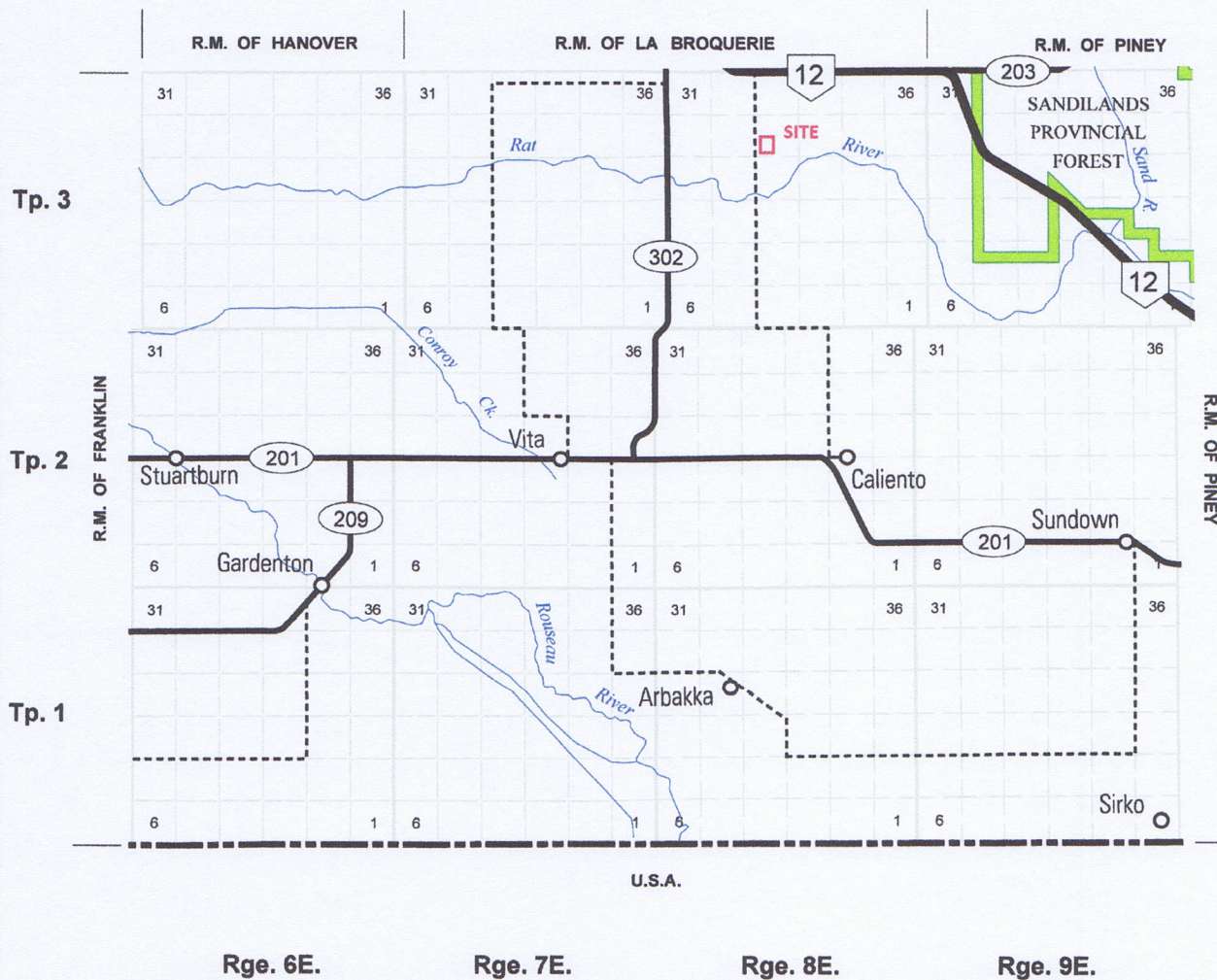


0 5
SCALE IN KILOMETRES

MANITOBA
TRANSPORTATION AND GOVERNMENT SERVICES
HIGHWAY PLANNING AND DESIGN BRANCH
DRAFTING SECTION
WINNIPEG
DECEMBER, 2003

LEGEND

- PROVINCIAL TRUNK HIGHWAYS  ACCESS ROADS 
- PROVINCIAL ROADS  MAIN MARKET ROADS 



Animal Units Calculation Table

A	B	C	D	E	F	G
Animal Type	Type of Operation	Existing Number of Animals	Proposed Additional Number of Animals	Animal Units per Head	Total Animal Units	Annual Confinement Period (Days)
Dairy ¹	Mature cows (lactating and dry) including associated livestock			2	-	
	Mature cows (lactating and dry)			1.35	-	
	Heifers (0 to 3 months)			0.16	-	
	Heifers (4 to 13 months)			0.41	-	
	Heifers (> 13 months)			0.87	-	
	Bulls			1.35	-	
	Veal calves			0.13	-	
Beef	Beef cows including associated livestock			1.25	-	
	Backgrounder			0.5	-	
	Summer pasture / replacement heifers			0.625	-	
	Feeder cattle			0.769	-	
Pigs	Sows - farrow to finish (234-254 lbs)			1.25	-	
	Sows - farrow to 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	-	15,000	0.063	945.00	
Other Livestock	Type:				-	
	Type:				-	
				Total AUs	945.00	

Footnotes:

¹ 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 your

Manitoba Agriculture, Food and Rural Initiatives GO office to determine the animal units per head.

www.gov.mb.ca/agriculture/contact/agoffices.html

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 cow		10	12	-
Milking 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		2		-
Ewes/Does		3		-
Lambs/Kids (90 lb.)	15000	1.6		24000
TOTAL (IG/day)				24000

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.

Enter this number on page 7 of Application Form.

Other consumption values:

Normal household consumption:
40-55 IG/day per person or
(180-250 l/day/person)

Hydrant flow:
10 imperial GPM (45 l/min)

Unit Conversions		
Total per day	Total per year	Unit
24000	8760000	IG
109104	39822960	litres
109.104	39822.96	cubic decametres (dam ³)

Enter this number on page 7 of Application Form.

Conversion Factor: 1 IGPM = 4.546 l/m

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) (F _X GxH)	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						
	Layers – floor ⁷			1.68						
	Layers – solid pack ⁹									
	Pullets – cage ⁸			0.71						
	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						
					Manure production for feeder lambs					
					# lambs	Avg weight	Unit Manure ¹ Production	Daily Manure Production	Feedlot Occupancy	Yearly production
						<i>lbs</i>	$\frac{lbs}{day \cdot 1000 \frac{lbs}{lb_{dry\ matter\ wt}}}$	<i>lbs</i>	<i>days</i>	<i>lbs/yr</i> <i>t/yr</i>
					15000	73	40	43800	365	15987000 7994
					* from: Nutrient management on sheep farms, http://www.sheep101.info/201/nutrientmgt.html					

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 column 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 250
- 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/ft³
- 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/ft³
- ⁸ Manure removed from barn at 90% moisture content with a density of 59 lb/ft³
- ⁹ Poultry operations using litter (solid pack) must provide an estimate of yearly manure production

MANURE APPLICATION FIELD CHARACTERISTICS TABLE

Field	A Legal Description	B Rural Municipality	C O/L/A	D Total Acreage	E Setbacks, including features	F Net Acreage for Manure Application	G Agriculture Capability Class and Subclass	H Soil Nitrate (lb/acre) 0-24 inches	I Soil Phosphorus (ppm Olsen P) 0-6 inches	J Development Plan Designation	K Zoning
1	NE 28-3-8E	Stuartburn	O	161	Prop. lines, Water, d 6, O	18	4M5M	18	10	LD (Limited Dev. Zone)	ZBL 098/2011
2	E½-NW28-3-8E	Stuartburn	O	78.5	Prop lines, d 6 soil	57	4M5M	5	25	A1	ZBL 098/2011
3	SE 28-3-8E	Stuartburn	O	160.5	Prop lines, d 6 O soils	103	4M	6	16	LD	ZBL 098/2011
4	SW 28-3-8E	Stuartburn	O	153	Prop lines, future feedlot	98	4M	7	14	A1	ZBL 098/2011
5	N½-SE35-3-8E	Stuartburn	A	80	Prop. lines, d 6	12	4M	5	4	A1	ZBL 098/2011
6	NW26-3-8E	Stuartburn	A	160	Prop. lines, d 6 soil	69	4M	20	5	A1 / LD	ZBL 098/2011
7	SW26-3-8E	Stuartburn	A	160	Prop. lines, water, d 6	3	3MI	2	7	LD	ZBL 098/2011
8	SW35-3-8E	Stuartburn	A	160	Prop lines, d 6	110	4M	2	5	A1	ZBL 098/2011
9	W½-NW28-3-8E	Stuartburn	A	80.5	Prop lines, d 6 soil	32	4M	11	23	A1	ZBL 098/2011
10	W16-3-8E	Stuartburn	A	320	Prop lines, surf water, cabin	314	2MP	2	8	A1	ZBL 098/2011
11	NE21-3-8E	Stuartburn	L	160	Prop lines, surf water, bush	85	4M3MI	2	13	LD	ZBL 098/2011
12	SE21-3-8E	Stuartburn	L	80	Prop lines, bush	32	4M3MI	2	19	LD	ZBL 098/2011
13	SE29-3-8E	Stuartburn	A	80	Prop lines, surf. Water	79	4M5W	2	13	A1	ZBL 098/2011
14	NW21-3-8E	Stuartburn	L	160	Prop lines, surf water, d 6	105	4M	11	23	A1	ZBL 098/2011
15	SE32-3-8E	Stuartburn	A	80	Prop lines, surf water, d 6	49	4M	13	2.2	A1	ZBL 098/2011
16											
17											
18											
19											
20											

Total Net Acreage for Manure Application: 1166

- 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 / L – Lease / A – Agreement
- 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 (e.g. 8m, Order 3
- F. Enter the net long-term 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 nitrate-N in lb/ac at the 0-24 inch depth. Soil test results must be no more than 12 months old and must be completed by an accredited soil-testing
- I. Provide soil test results for phosphorus ppm Olsen P at 0-6 inch depth. Soil test results must be no more than 12 months old and must be completed by an accredited soil-
- J. Please indicate the Development Plan and its by-law number in addition to the map designation for each field
- K. Please indicate the Zoning By-law and its by-law number in addition to the zoning for each field

CROP ROTATION TABLE

A	B	C	D	E
Expected Crops in the Rotation	Acreage	Historical Yield	Units	Source of Yield Information
Grass Hay	263	1.419	t/ac	MMP Variety Yield Data (2004-2014)
Corn Grain	84	87.6	bu/ac	MMP Variety Yield Data (2004-2014)
Corn Silage	235	3.11	t/ac	MMP Variety Yield Data (2004-2014)
Soybeans	132	28.0	bu/ac	MMP Variety Yield Data (2004-2014)
Alfalfa	452	2.159	t/ac	MMP Variety Yield Data (2004-2014)
Total Net Acreage for Manure Application	1166 acres			

- 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.

AgrilInsurance Information Tables For 2015
Risk Area 14

Soil	-Probable Ylds- tonne bu/lbs	50%				70%				80%			
		---Coverage--- tonne bu/lbs	Dollar /acre	Prem /acre	---	---Coverage--- tonne bu/lbs	Dollar /acre	Prem /acre	---	---Coverage--- tonne bu/lbs	Dollar /acre	Prem /acre	---
R. S. WHEAT \$230.00													
6.26/bu C14	1.086 39.9	.543 20.0	124.89	3.57	.760 27.9	174.80	9.00	.869 31.9	199.87	12.80			
D14	1.070 39.3	.535 19.7	123.05	3.57	.749 27.5	172.27	9.00	.856 31.5	196.88	12.80			
E14	1.053 38.7	.527 19.4	121.21	3.57	.737 27.1	169.51	9.00	.842 30.9	193.66	12.80			
F14	1.015 37.3	.508 18.7	116.84	3.57	.711 26.1	163.53	9.00	.812 29.8	186.76	12.80			
G14	.917 33.7	.459 16.9	105.57	3.57	.642 23.6	147.66	9.00	.734 27.0	168.82	12.80			
H14	.776 28.5	.388 14.3	89.24	3.57	.543 20.0	124.89	9.00	.621 22.8	142.83	12.80			
I14	.776 28.5	.388 14.3	89.24	3.57	.543 20.0	124.89	9.00	.621 22.8	142.83	12.80			
J14	.697 25.6	.349 12.8	80.27	3.57	.488 17.9	112.24	9.00	.558 20.5	128.34	12.80			
PED RSW SD \$267.00													
7.27/bu C14	1.086 39.9	.543 20.0	144.98	4.14	.760 27.9	202.92	10.44	.869 31.9	232.02	14.85			
D14	1.070 39.3	.535 19.7	142.85	4.14	.749 27.5	199.98	10.44	.856 31.5	228.55	14.85			
E14	1.053 38.7	.527 19.4	140.71	4.14	.737 27.1	196.78	10.44	.842 30.9	224.81	14.85			
F14	1.015 37.3	.508 18.7	135.64	4.14	.711 26.1	189.84	10.44	.812 29.8	216.80	14.85			
G14	.917 33.7	.459 16.9	122.55	4.14	.642 23.6	171.41	10.44	.734 27.0	195.98	14.85			
H14	.776 28.5	.388 14.3	103.60	4.14	.543 20.0	144.98	10.44	.621 22.8	165.81	14.85			
I14	.776 28.5	.388 14.3	103.60	4.14	.543 20.0	144.98	10.44	.621 22.8	165.81	14.85			
J14	.697 25.6	.349 12.8	93.18	4.14	.488 17.9	130.30	10.44	.558 20.5	148.99	14.85			
H. W. WHEAT \$230.00													
6.26/bu C14	1.097 40.3	.549 20.2	126.27	3.50	.768 28.2	176.64	8.88	.878 32.3	201.94	12.68			
D14	1.081 39.7	.541 19.9	124.43	3.50	.757 27.8	174.11	8.88	.865 31.8	198.95	12.68			
E14	1.064 39.1	.532 19.5	122.36	3.50	.745 27.4	171.35	8.88	.851 31.3	195.73	12.68			
F14	1.025 37.7	.513 18.8	117.99	3.50	.718 26.4	165.14	8.88	.820 30.1	188.60	12.68			
G14	.926 34.0	.463 17.0	106.49	3.50	.648 23.8	149.04	8.88	.741 27.2	170.43	12.68			
H14	.784 28.8	.392 14.4	90.16	3.50	.549 20.2	126.27	8.88	.627 23.0	144.21	12.68			
I14	.784 28.8	.392 14.4	90.16	3.50	.549 20.2	126.27	8.88	.627 23.0	144.21	12.68			
J14	.704 25.9	.352 12.9	80.96	3.50	.493 18.1	113.39	8.88	.563 20.7	129.49	12.68			
PED HW WHT \$267.00													
7.27/bu C14	1.097 40.3	.549 20.2	146.58	4.07	.768 28.2	205.06	10.32	.878 32.3	234.43	14.73			
D14	1.081 39.7	.541 19.9	144.45	4.07	.757 27.8	202.12	10.32	.865 31.8	230.96	14.73			
E14	1.064 39.1	.532 19.5	142.04	4.07	.745 27.4	198.92	10.32	.851 31.3	227.22	14.73			
F14	1.025 37.7	.513 18.8	136.97	4.07	.718 26.4	191.71	10.32	.820 30.1	218.94	14.73			
G14	.926 34.0	.463 17.0	123.62	4.07	.648 23.8	173.02	10.32	.741 27.2	197.85	14.73			
H14	.784 28.8	.392 14.4	104.66	4.07	.549 20.2	146.58	10.32	.627 23.0	167.41	14.73			
I14	.784 28.8	.392 14.4	104.66	4.07	.549 20.2	146.58	10.32	.627 23.0	167.41	14.73			
J14	.704 25.9	.352 12.9	93.98	4.07	.493 18.1	131.63	10.32	.563 20.7	150.32	14.73			
DUR WHEAT \$210.00													
5.72/bu C14	.901 33.1	.451 16.6	94.71	2.56	.631 23.2	132.51	6.52	.721 26.5	151.41	9.29			
D14	.888 32.6	.444 16.3	93.24	2.56	.622 22.9	130.62	6.52	.710 26.1	149.10	9.29			
E14	.874 32.1	.437 16.1	91.77	2.56	.612 22.5	128.52	6.52	.699 25.7	146.79	9.29			
F14	.842 30.9	.421 15.5	88.41	2.56	.589 21.6	123.69	6.52	.674 24.8	141.54	9.29			
G14	.761 28.0	.381 14.0	80.01	2.56	.533 19.6	111.93	6.52	.609 22.4	127.89	9.29			
H14	.644 23.7	.322 11.8	67.62	2.56	.451 16.6	94.71	6.52	.515 18.9	108.15	9.29			
I14	.644 23.7	.322 11.8	67.62	2.56	.451 16.6	94.71	6.52	.515 18.9	108.15	9.29			
J14	.579 21.3	.290 10.7	60.90	2.56	.405 14.9	85.05	6.52	.463 17.0	97.23	9.29			

Imperial Units are Approximate.

AgrilInsurance Information Tables For 2015
Risk Area 14

Soil	-Probable Ylds- tonne bu/lbs	50%				70%				80%					
		---Coverage--- tonne bu/lbs	Dollar /acre	Prem /acre	---	---Coverage--- tonne bu/lbs	Dollar /acre	Prem /acre	---	---Coverage--- tonne bu/lbs	Dollar /acre	Prem /acre	---		
PED DU WHT \$247.00															
6.72/bu	C14	.901	33.1	.451	16.6	111.40	3.01	.631	23.2	155.86	7.67	.721	26.5	178.09	10.93
	D14	.888	32.6	.444	16.3	109.67	3.01	.622	22.9	153.63	7.67	.710	26.1	175.37	10.93
	E14	.874	32.1	.437	16.1	107.94	3.01	.612	22.5	151.16	7.67	.699	25.7	172.65	10.93
	F14	.842	30.9	.421	15.5	103.99	3.01	.589	21.6	145.48	7.67	.674	24.8	166.48	10.93
	G14	.761	28.0	.381	14.0	94.11	3.01	.533	19.6	131.65	7.67	.609	22.4	150.42	10.93
	H14	.644	23.7	.322	11.8	79.53	3.01	.451	16.6	111.40	7.67	.515	18.9	127.21	10.93
	I14	.644	23.7	.322	11.8	79.53	3.01	.451	16.6	111.40	7.67	.515	18.9	127.21	10.93
	J14	.579	21.3	.290	10.7	71.63	3.01	.405	14.9	100.04	7.67	.463	17.0	114.36	10.93
P. S. WHEAT \$175.00															
4.76/bu	C14	1.227	45.1	.614	22.6	107.45	3.31	.859	31.6	150.33	8.42	.982	36.1	171.85	11.98
	D14	1.209	44.4	.605	22.2	105.88	3.31	.846	31.1	148.05	8.42	.967	35.5	169.23	11.98
	E14	1.190	43.7	.595	21.9	104.13	3.31	.833	30.6	145.78	8.42	.952	35.0	166.60	11.98
	F14	1.147	42.1	.574	21.1	100.45	3.31	.803	29.5	140.53	8.42	.918	33.7	160.65	11.98
	G14	1.036	38.1	.518	19.0	90.65	3.31	.725	26.6	126.88	8.42	.829	30.5	145.08	11.98
	H14	.874	32.1	.437	16.1	76.48	3.31	.612	22.5	107.10	8.42	.699	25.7	122.33	11.98
	I14	.874	32.1	.437	16.1	76.48	3.31	.612	22.5	107.10	8.42	.699	25.7	122.33	11.98
	J14	.781	28.7	.391	14.4	68.43	3.31	.547	20.1	95.73	8.42	.625	23.0	109.38	11.98
PED PS WHT \$212.00															
5.77/bu	C14	1.227	45.1	.614	22.6	130.17	4.01	.859	31.6	182.11	10.20	.982	36.1	208.18	14.51
	D14	1.209	44.4	.605	22.2	128.26	4.01	.846	31.1	179.35	10.20	.967	35.5	205.00	14.51
	E14	1.190	43.7	.595	21.9	126.14	4.01	.833	30.6	176.60	10.20	.952	35.0	201.82	14.51
	F14	1.147	42.1	.574	21.1	121.69	4.01	.803	29.5	170.24	10.20	.918	33.7	194.62	14.51
	G14	1.036	38.1	.518	19.0	109.82	4.01	.725	26.6	153.70	10.20	.829	30.5	175.75	14.51
	H14	.874	32.1	.437	16.1	92.64	4.01	.612	22.5	129.74	10.20	.699	25.7	148.19	14.51
	I14	.874	32.1	.437	16.1	92.64	4.01	.612	22.5	129.74	10.20	.699	25.7	148.19	14.51
	J14	.781	28.7	.391	14.4	82.89	4.01	.547	20.1	115.96	10.20	.625	23.0	132.50	14.51
FEED WHEAT \$165.00															
4.49/bu	C14	1.205	44.3	.603	22.2	99.50	3.22	.844	31.0	139.26	8.17	.964	35.4	159.06	11.63
	D14	1.188	43.7	.594	21.8	98.01	3.22	.832	30.6	137.28	8.17	.950	34.9	156.75	11.63
	E14	1.169	43.0	.585	21.5	96.53	3.22	.818	30.1	134.97	8.17	.935	34.4	154.28	11.63
	F14	1.127	41.4	.564	20.7	93.06	3.22	.789	29.0	130.19	8.17	.902	33.1	148.83	11.63
	G14	1.018	37.4	.509	18.7	83.99	3.22	.713	26.2	117.65	8.17	.814	29.9	134.31	11.63
	H14	.851	31.3	.426	15.7	70.29	3.22	.596	21.9	98.34	8.17	.681	25.0	112.37	11.63
	I14	.851	31.3	.426	15.7	70.29	3.22	.596	21.9	98.34	8.17	.681	25.0	112.37	11.63
	J14	.760	27.9	.380	14.0	62.70	3.22	.532	19.5	87.78	8.17	.608	22.3	100.32	11.63
E. S. WHEAT \$215.00															
5.85/bu	C14	1.021	37.5	.511	18.8	109.87	3.72	.715	26.3	153.73	9.43	.817	30.0	175.66	13.45
	D14	1.006	37.0	.503	18.5	108.15	3.72	.704	25.9	151.36	9.43	.805	29.6	173.08	13.45
	E14	.990	36.4	.495	18.2	106.43	3.72	.693	25.5	149.00	9.43	.792	29.1	170.28	13.45
	F14	.954	35.1	.477	17.5	102.56	3.72	.668	24.5	143.62	9.43	.763	28.0	164.05	13.45
	G14	.862	31.7	.431	15.8	92.67	3.72	.603	22.2	129.65	9.43	.690	25.4	148.35	13.45
	H14	.726	26.7	.363	13.3	78.05	3.72	.508	18.7	109.22	9.43	.581	21.3	124.92	13.45
	I14	.726	26.7	.363	13.3	78.05	3.72	.508	18.7	109.22	9.43	.581	21.3	124.92	13.45
	J14	.649	23.8	.325	11.9	69.88	3.72	.454	16.7	97.61	9.43	.519	19.1	111.59	13.45

Imperial Units are Approximate.

AgrilInsurance Information Tables For 2015
Risk Area 14

Soil	-Probable Ylds- tonne bu/lbs	50%				70%				80%					
		---Coverage--- tonne bu/lbs	Dollar /acre	Prem /acre	---	---Coverage--- tonne bu/lbs	Dollar /acre	Prem /acre	---	---Coverage--- tonne bu/lbs	Dollar /acre	Prem /acre	---		
PED ES WHT \$252.00															
6.86/bu	C14	1.021	37.5	.511	18.8	128.77	4.36	.715	26.3	180.18	11.05	.817	30.0	205.88	15.77
	D14	1.006	37.0	.503	18.5	126.76	4.36	.704	25.9	177.41	11.05	.805	29.6	202.86	15.77
	E14	.990	36.4	.495	18.2	124.74	4.36	.693	25.5	174.64	11.05	.792	29.1	199.58	15.77
	F14	.954	35.1	.477	17.5	120.20	4.36	.668	24.5	168.34	11.05	.763	28.0	192.28	15.77
	G14	.862	31.7	.431	15.8	108.61	4.36	.603	22.2	151.96	11.05	.690	25.4	173.88	15.77
	H14	.726	26.7	.363	13.3	91.48	4.36	.508	18.7	128.02	11.05	.581	21.3	146.41	15.77
	I14	.726	26.7	.363	13.3	91.48	4.36	.508	18.7	128.02	11.05	.581	21.3	146.41	15.77
	J14	.649	23.8	.325	11.9	81.90	4.36	.454	16.7	114.41	11.05	.519	19.1	130.79	15.77
WINTER WHT \$175.00															
4.76/bu	C14	1.477	54.3	.739	27.2	129.33	2.12	1.034	38.0	180.95	5.31	1.182	43.4	206.85	7.57
	D14	1.455	53.5	.728	26.7	127.40	2.12	1.019	37.4	178.33	5.31	1.164	42.8	203.70	7.57
	E14	1.432	52.6	.716	26.3	125.30	2.12	1.002	36.8	175.35	5.31	1.146	42.1	200.55	7.57
	F14	1.380	50.7	.690	25.4	120.75	2.12	.966	35.5	169.05	5.31	1.104	40.6	193.20	7.57
	G14	1.247	45.8	.624	22.9	109.20	2.12	.873	32.1	152.78	5.31	.998	36.7	174.65	7.57
	H14	1.055	38.8	.528	19.4	92.40	2.12	.739	27.2	129.33	5.31	.844	31.0	147.70	7.57
	I14	1.055	38.8	.528	19.4	92.40	2.12	.739	27.2	129.33	5.31	.844	31.0	147.70	7.57
	J14	.948	34.8	.474	17.4	82.95	2.12	.664	24.4	116.20	5.31	.758	27.9	132.65	7.57
PED WI WHT \$212.00															
5.77/bu	C14	1.477	54.3	.739	27.2	156.67	2.57	1.034	38.0	219.21	6.43	1.182	43.4	250.58	9.17
	D14	1.455	53.5	.728	26.7	154.34	2.57	1.019	37.4	216.03	6.43	1.164	42.8	246.77	9.17
	E14	1.432	52.6	.716	26.3	151.79	2.57	1.002	36.8	212.42	6.43	1.146	42.1	242.95	9.17
	F14	1.380	50.7	.690	25.4	146.28	2.57	.966	35.5	204.79	6.43	1.104	40.6	234.05	9.17
	G14	1.247	45.8	.624	22.9	132.29	2.57	.873	32.1	185.08	6.43	.998	36.7	211.58	9.17
	H14	1.055	38.8	.528	19.4	111.94	2.57	.739	27.2	156.67	6.43	.844	31.0	178.93	9.17
	I14	1.055	38.8	.528	19.4	111.94	2.57	.739	27.2	156.67	6.43	.844	31.0	178.93	9.17
	J14	.948	34.8	.474	17.4	100.49	2.57	.664	24.4	140.77	6.43	.758	27.9	160.70	9.17
FALL RYE \$230.00															
5.84/bu	C14	1.204	47.4	.602	23.7	138.46	2.72	.843	33.2	193.89	6.97	.963	37.9	221.49	10.27
	D14	1.204	47.4	.602	23.7	138.46	2.72	.843	33.2	193.89	6.97	.963	37.9	221.49	10.27
	E14	1.204	47.4	.602	23.7	138.46	2.72	.843	33.2	193.89	6.97	.963	37.9	221.49	10.27
	F14	1.163	45.8	.582	22.9	133.86	2.72	.814	32.0	187.22	6.97	.930	36.6	213.90	10.27
	G14	1.097	43.2	.549	21.6	126.27	2.72	.768	30.2	176.64	6.97	.878	34.6	201.94	10.27
	H14	1.069	42.1	.535	21.1	123.05	2.72	.748	29.4	172.04	6.97	.855	33.7	196.65	10.27
	I14	1.069	42.1	.535	21.1	123.05	2.72	.748	29.4	172.04	6.97	.855	33.7	196.65	10.27
	J14	.876	34.5	.438	17.2	100.74	2.72	.613	24.1	140.99	6.97	.701	27.6	161.23	10.27
TRI TI CALE \$200.00															
4.54/bu	C14	.810	35.7	.405	17.9	81.00	2.71	.567	25.0	113.40	6.88	.648	28.6	129.60	9.79
	D14	.776	34.2	.388	17.1	77.60	2.71	.543	23.9	108.60	6.88	.621	27.4	124.20	9.79
	E14	.770	34.0	.385	17.0	77.00	2.71	.539	23.8	107.80	6.88	.616	27.2	123.20	9.79
	F14	.745	32.8	.373	16.4	74.60	2.71	.522	23.0	104.40	6.88	.596	26.3	119.20	9.79
	G14	.666	29.4	.333	14.7	66.60	2.71	.466	20.5	93.20	6.88	.533	23.5	106.60	9.79
	H14	.563	24.8	.282	12.4	56.40	2.71	.394	17.4	78.80	6.88	.450	19.8	90.00	9.79
	I14	.563	24.8	.282	12.4	56.40	2.71	.394	17.4	78.80	6.88	.450	19.8	90.00	9.79
	J14	.519	22.9	.260	11.5	52.00	2.71	.363	16.0	72.60	6.88	.415	18.3	83.00	9.79

Imperial Units are Approximate.

AgriInsurance Information Tables For 2015
Risk Area 14

Soil	-Probable Ylds- tonne bu/lbs	50%				70%				80%					
		---Coverage--- tonne bu/lbs	Dollar /acre	Prem /acre	---	---Coverage--- tonne bu/lbs	Dollar /acre	Prem /acre	---	---Coverage--- tonne bu/lbs	Dollar /acre	Prem /acre	---		
BARLEY															
\$155.00															
3.37/bu	C14	1.526	70.1	.763	35.0	118.27	5.33	1.068	49.1	165.54	10.49	1.221	56.1	189.26	13.80
	D14	1.169	53.7	.585	26.9	90.68	5.33	.818	37.6	126.79	10.49	.935	42.9	144.93	13.80
	E14	1.123	51.6	.562	25.8	87.11	5.33	.786	36.1	121.83	10.49	.898	41.2	139.19	13.80
	F14	1.060	48.7	.530	24.3	82.15	5.33	.742	34.1	115.01	10.49	.848	38.9	131.44	13.80
	G14	.951	43.7	.476	21.9	73.78	5.33	.666	30.6	103.23	10.49	.761	35.0	117.96	13.80
	H14	.862	39.6	.431	19.8	66.81	5.33	.603	27.7	93.47	10.49	.690	31.7	106.95	13.80
	I14	.725	33.3	.363	16.7	56.27	5.33	.508	23.3	78.74	10.49	.580	26.6	89.90	13.80
	J14	.725	33.3	.363	16.7	56.27	5.33	.508	23.3	78.74	10.49	.580	26.6	89.90	13.80
PED BLY SD															
\$201.00															
4.38/bu	C14	1.526	70.1	.763	35.0	153.36	6.92	1.068	49.1	214.67	13.61	1.221	56.1	245.42	17.90
	D14	1.169	53.7	.585	26.9	117.59	6.92	.818	37.6	164.42	13.61	.935	42.9	187.94	17.90
	E14	1.123	51.6	.562	25.8	112.96	6.92	.786	36.1	157.99	13.61	.898	41.2	180.50	17.90
	F14	1.060	48.7	.530	24.3	106.53	6.92	.742	34.1	149.14	13.61	.848	38.9	170.45	17.90
	G14	.951	43.7	.476	21.9	95.68	6.92	.666	30.6	133.87	13.61	.761	35.0	152.96	17.90
	H14	.862	39.6	.431	19.8	86.63	6.92	.603	27.7	121.20	13.61	.690	31.7	138.69	17.90
	I14	.725	33.3	.363	16.7	72.96	6.92	.508	23.3	102.11	13.61	.580	26.6	116.58	17.90
	J14	.725	33.3	.363	16.7	72.96	6.92	.508	23.3	102.11	13.61	.580	26.6	116.58	17.90
OATS															
\$210.00															
3.24/bu	C14	1.221	79.2	.611	39.6	128.31	5.28	.855	55.4	179.55	10.62	.977	63.4	205.17	14.02
	D14	1.124	72.9	.562	36.4	118.02	5.28	.787	51.0	165.27	10.62	.899	58.3	188.79	14.02
	E14	1.124	72.9	.562	36.4	118.02	5.28	.787	51.0	165.27	10.62	.899	58.3	188.79	14.02
	F14	1.069	69.3	.535	34.7	112.35	5.28	.748	48.5	157.08	10.62	.855	55.4	179.55	14.02
	G14	.964	62.5	.482	31.3	101.22	5.28	.675	43.8	141.75	10.62	.771	50.0	161.91	14.02
	H14	.828	53.7	.414	26.8	86.94	5.28	.580	37.6	121.80	10.62	.662	42.9	139.02	14.02
	I14	.711	46.1	.356	23.1	74.76	5.28	.498	32.3	104.58	10.62	.569	36.9	119.49	14.02
	J14	.561	36.4	.281	18.2	59.01	5.28	.393	25.5	82.53	10.62	.449	29.1	94.29	14.02
PED OATS															
\$275.00															
4.24/bu	C14	1.221	79.2	.611	39.6	168.03	6.91	.855	55.4	235.13	13.91	.977	63.4	268.68	18.37
	D14	1.124	72.9	.562	36.4	154.55	6.91	.787	51.0	216.43	13.91	.899	58.3	247.23	18.37
	E14	1.124	72.9	.562	36.4	154.55	6.91	.787	51.0	216.43	13.91	.899	58.3	247.23	18.37
	F14	1.069	69.3	.535	34.7	147.13	6.91	.748	48.5	205.70	13.91	.855	55.4	235.13	18.37
	G14	.964	62.5	.482	31.3	132.55	6.91	.675	43.8	185.63	13.91	.771	50.0	212.03	18.37
	H14	.828	53.7	.414	26.8	113.85	6.91	.580	37.6	159.50	13.91	.662	42.9	182.05	18.37
	I14	.711	46.1	.356	23.1	97.90	6.91	.498	32.3	136.95	13.91	.569	36.9	156.48	18.37
	J14	.561	36.4	.281	18.2	77.28	6.91	.393	25.5	108.08	13.91	.449	29.1	123.48	18.37
MXD GRAIN															
\$140.00															
2.79/bu	C14	.993	49.8	.497	24.9	69.58	2.03	.695	34.8	97.30	3.99	.794	39.8	111.16	5.23
	D14	.761	38.1	.381	19.1	53.34	2.03	.533	26.7	74.62	3.99	.609	30.5	85.26	5.23
	E14	.731	36.6	.366	18.3	51.24	2.03	.512	25.7	71.68	3.99	.585	29.3	81.90	5.23
	F14	.690	34.6	.345	17.3	48.30	2.03	.483	24.2	67.62	3.99	.552	27.7	77.28	5.23
	G14	.619	31.0	.310	15.5	43.40	2.03	.433	21.7	60.62	3.99	.495	24.8	69.30	5.23
	H14	.563	28.2	.282	14.1	39.48	2.03	.394	19.7	55.16	3.99	.450	22.5	63.00	5.23
	I14	.472	23.6	.236	11.8	33.04	2.03	.330	16.5	46.20	3.99	.378	18.9	52.92	5.23
	J14	.472	23.6	.236	11.8	33.04	2.03	.330	16.5	46.20	3.99	.378	18.9	52.92	5.23

Imperial Units are Approximate.

AgriInsurance Information Tables For 2015
Risk Area 14

Soil	-Probable Ylds- tonne bu/lbs	50%				70%				80%					
		---Coverage--- tonne bu/lbs	Dollar /acre	Prem /acre	---	---Coverage--- tonne bu/lbs	Dollar /acre	Prem /acre	---	---Coverage--- tonne bu/lbs	Dollar /acre	Prem /acre	---		
FLAX \$470.00															
11.94/bu	C14	.442	17.4	.221	8.7	103.87	5.15	.309	12.2	145.23	10.71	.354	13.9	166.38	14.28
	D14	.404	15.9	.202	8.0	94.94	5.15	.283	11.1	133.01	10.71	.323	12.7	151.81	14.28
	E14	.366	14.4	.183	7.2	86.01	5.15	.256	10.1	120.32	10.71	.293	11.5	137.71	14.28
	F14	.343	13.5	.172	6.8	80.84	5.15	.240	9.4	112.80	10.71	.274	10.8	128.78	14.28
	G14	.343	13.5	.172	6.8	80.84	5.15	.240	9.4	112.80	10.71	.274	10.8	128.78	14.28
	H14	.300	11.8	.150	5.9	70.50	5.15	.210	8.3	98.70	10.71	.240	9.4	112.80	14.28
	I14	.300	11.8	.150	5.9	70.50	5.15	.210	8.3	98.70	10.71	.240	9.4	112.80	14.28
	J14	.295	11.6	.148	5.8	69.56	5.15	.207	8.1	97.29	10.71	.236	9.3	110.92	14.28
PED FLAX \$549.00															
13.95/bu	C14	.442	17.4	.221	8.7	121.33	6.02	.309	12.2	169.64	12.52	.354	13.9	194.35	16.69
	D14	.404	15.9	.202	8.0	110.90	6.02	.283	11.1	155.37	12.52	.323	12.7	177.33	16.69
	E14	.366	14.4	.183	7.2	100.47	6.02	.256	10.1	140.54	12.52	.293	11.5	160.86	16.69
	F14	.343	13.5	.172	6.8	94.43	6.02	.240	9.4	131.76	12.52	.274	10.8	150.43	16.69
	G14	.343	13.5	.172	6.8	94.43	6.02	.240	9.4	131.76	12.52	.274	10.8	150.43	16.69
	H14	.300	11.8	.150	5.9	82.35	6.02	.210	8.3	115.29	12.52	.240	9.4	131.76	16.69
	I14	.300	11.8	.150	5.9	82.35	6.02	.210	8.3	115.29	12.52	.240	9.4	131.76	16.69
	J14	.295	11.6	.148	5.8	81.25	6.02	.207	8.1	113.64	12.52	.236	9.3	129.56	16.69
ARG CANOLA \$420.00															
9.53/bu	C14	.728	32.1	.364	16.0	152.88	4.89	.510	22.5	214.20	10.60	.582	25.7	244.44	14.53
	D14	.624	27.5	.312	13.8	131.04	4.89	.437	19.3	183.54	10.60	.499	22.0	209.58	14.53
	E14	.610	26.9	.305	13.4	128.10	4.89	.427	18.8	179.34	10.60	.488	21.5	204.96	14.53
	F14	.567	25.0	.284	12.5	119.28	4.89	.397	17.5	166.74	10.60	.454	20.0	190.68	14.53
	G14	.567	25.0	.284	12.5	119.28	4.89	.397	17.5	166.74	10.60	.454	20.0	190.68	14.53
	H14	.567	25.0	.284	12.5	119.28	4.89	.397	17.5	166.74	10.60	.454	20.0	190.68	14.53
	I14	.490	21.6	.245	10.8	102.90	4.89	.343	15.1	144.06	10.60	.392	17.3	164.64	14.53
	J14	.490	21.6	.245	10.8	102.90	4.89	.343	15.1	144.06	10.60	.392	17.3	164.64	14.53
PED ARG CN \$552.00															
12.52/bu	C14	.728	32.1	.364	16.0	200.93	6.42	.510	22.5	281.52	13.93	.582	25.7	321.26	19.10
	D14	.624	27.5	.312	13.8	172.22	6.42	.437	19.3	241.22	13.93	.499	22.0	275.45	19.10
	E14	.610	26.9	.305	13.4	168.36	6.42	.427	18.8	235.70	13.93	.488	21.5	269.38	19.10
	F14	.567	25.0	.284	12.5	156.77	6.42	.397	17.5	219.14	13.93	.454	20.0	250.61	19.10
	G14	.567	25.0	.284	12.5	156.77	6.42	.397	17.5	219.14	13.93	.454	20.0	250.61	19.10
	H14	.567	25.0	.284	12.5	156.77	6.42	.397	17.5	219.14	13.93	.454	20.0	250.61	19.10
	I14	.490	21.6	.245	10.8	135.24	6.42	.343	15.1	189.34	13.93	.392	17.3	216.38	19.10
	J14	.490	21.6	.245	10.8	135.24	6.42	.343	15.1	189.34	13.93	.392	17.3	216.38	19.10
POL CANOLA \$420.00															
9.53/bu	C14	.301	13.3	.151	6.7	63.42	2.03	.211	9.3	88.62	4.42	.241	10.6	101.22	6.05
	D14	.261	11.5	.131	5.8	55.02	2.03	.183	8.1	76.86	4.42	.209	9.2	87.78	6.05
	E14	.261	11.5	.131	5.8	55.02	2.03	.183	8.1	76.86	4.42	.209	9.2	87.78	6.05
	F14	.239	10.5	.120	5.3	50.40	2.03	.167	7.4	70.14	4.42	.191	8.4	80.22	6.05
	G14	.227	10.0	.114	5.0	47.88	2.03	.159	7.0	66.78	4.42	.182	8.0	76.44	6.05
	H14	.227	10.0	.114	5.0	47.88	2.03	.159	7.0	66.78	4.42	.182	8.0	76.44	6.05
	I14	.196	8.6	.098	4.3	41.16	2.03	.137	6.0	57.54	4.42	.157	6.9	65.94	6.05
	J14	.196	8.6	.098	4.3	41.16	2.03	.137	6.0	57.54	4.42	.157	6.9	65.94	6.05

Imperial Units are Approximate.

AgriInsurance Information Tables For 2015
Risk Area 14

Soil	-Probable Ylds- tonne bu/lbs	50%				70%				80%					
		---Coverage--- tonne bu/lbs	Dollar /acre	Prem /acre	---	---Coverage--- tonne bu/lbs	Dollar /acre	Prem /acre	---	---Coverage--- tonne bu/lbs	Dollar /acre	Prem /acre			
PED POL CN \$552.00															
12.52/bu	C14	.301	13.3	.151	6.7	83.35	2.67	.211	9.3	116.47	5.81	.241	10.6	133.03	7.95
	D14	.261	11.5	.131	5.8	72.31	2.67	.183	8.1	101.02	5.81	.209	9.2	115.37	7.95
	E14	.261	11.5	.131	5.8	72.31	2.67	.183	8.1	101.02	5.81	.209	9.2	115.37	7.95
	F14	.239	10.5	.120	5.3	66.24	2.67	.167	7.4	92.18	5.81	.191	8.4	105.43	7.95
	G14	.227	10.0	.114	5.0	62.93	2.67	.159	7.0	87.77	5.81	.182	8.0	100.46	7.95
	H14	.227	10.0	.114	5.0	62.93	2.67	.159	7.0	87.77	5.81	.182	8.0	100.46	7.95
	I14	.196	8.6	.098	4.3	54.10	2.67	.137	6.0	75.62	5.81	.157	6.9	86.66	7.95
	J14	.196	8.6	.098	4.3	54.10	2.67	.137	6.0	75.62	5.81	.157	6.9	86.66	7.95
RAPESEED \$495.00															
11.23/bu	C14	.633	27.9	.317	14.0	156.92	5.48	.443	19.5	219.29	11.88	.506	22.3	250.47	16.32
	D14	.543	23.9	.272	12.0	134.64	5.48	.380	16.8	188.10	11.88	.434	19.1	214.83	16.32
	E14	.531	23.4	.266	11.7	131.67	5.48	.372	16.4	184.14	11.88	.425	18.7	210.38	16.32
	F14	.493	21.7	.247	10.9	122.27	5.48	.345	15.2	170.78	11.88	.394	17.4	195.03	16.32
	G14	.493	21.7	.247	10.9	122.27	5.48	.345	15.2	170.78	11.88	.394	17.4	195.03	16.32
	H14	.493	21.7	.247	10.9	122.27	5.48	.345	15.2	170.78	11.88	.394	17.4	195.03	16.32
	I14	.426	18.8	.213	9.4	105.44	5.48	.298	13.1	147.51	11.88	.341	15.0	168.80	16.32
	J14	.426	18.8	.213	9.4	105.44	5.48	.298	13.1	147.51	11.88	.341	15.0	168.80	16.32
PED RAPESD \$627.00															
14.22/bu	C14	.633	27.9	.317	14.0	198.76	6.95	.443	19.5	277.76	15.05	.506	22.3	317.26	20.67
	D14	.543	23.9	.272	12.0	170.54	6.95	.380	16.8	238.26	15.05	.434	19.1	272.12	20.67
	E14	.531	23.4	.266	11.7	166.78	6.95	.372	16.4	233.24	15.05	.425	18.7	266.48	20.67
	F14	.493	21.7	.247	10.9	154.87	6.95	.345	15.2	216.32	15.05	.394	17.4	247.04	20.67
	G14	.493	21.7	.247	10.9	154.87	6.95	.345	15.2	216.32	15.05	.394	17.4	247.04	20.67
	H14	.493	21.7	.247	10.9	154.87	6.95	.345	15.2	216.32	15.05	.394	17.4	247.04	20.67
	I14	.426	18.8	.213	9.4	133.55	6.95	.298	13.1	186.85	15.05	.341	15.0	213.81	20.67
	J14	.426	18.8	.213	9.4	133.55	6.95	.298	13.1	186.85	15.05	.341	15.0	213.81	20.67
MUSTARD \$750.00															
.34/lbs	C14	.341	752	.171	377	128.25	9.45	.239	527	179.25	18.69	.273	602	204.75	24.63
	D14	.289	637	.145	320	108.75	9.45	.202	445	151.50	18.69	.231	509	173.25	24.63
	E14	.288	635	.144	317	108.00	9.45	.202	445	151.50	18.69	.230	507	172.50	24.63
	F14	.261	575	.131	289	98.25	9.45	.183	403	137.25	18.69	.209	461	156.75	24.63
	G14	.261	575	.131	289	98.25	9.45	.183	403	137.25	18.69	.209	461	156.75	24.63
	H14	.261	575	.131	289	98.25	9.45	.183	403	137.25	18.69	.209	461	156.75	24.63
	I14	.224	494	.112	247	84.00	9.45	.157	346	117.75	18.69	.179	395	134.25	24.63
	J14	.221	487	.111	245	83.25	9.45	.155	342	116.25	18.69	.177	390	132.75	24.63
OIL SUNF. \$465.00															
.21/lbs	C14	.693	1528	.347	765	161.36	5.24	.485	1069	225.53	10.24	.554	1221	257.61	13.42
	D14	.683	1506	.342	754	159.03	5.24	.478	1054	222.27	10.24	.546	1204	253.89	13.42
	E14	.683	1506	.342	754	159.03	5.24	.478	1054	222.27	10.24	.546	1204	253.89	13.42
	F14	.648	1429	.324	714	150.66	5.24	.454	1001	211.11	10.24	.518	1142	240.87	13.42
	G14	.648	1429	.324	714	150.66	5.24	.454	1001	211.11	10.24	.518	1142	240.87	13.42
	H14	.646	1424	.323	712	150.20	5.24	.452	996	210.18	10.24	.517	1140	240.41	13.42
	I14	.597	1316	.299	659	139.04	5.24	.418	922	194.37	10.24	.478	1054	222.27	13.42
	J14	.522	1151	.261	575	121.37	5.24	.365	805	169.73	10.24	.418	922	194.37	13.42

Imperial Units are Approximate.

AgriInsurance Information Tables For 2015
Risk Area 14

Soil	-Probable Ylds- tonne bu/lbs	50%				70%				80%				
		---Coverage--- tonne bu/lbs	Dollar /acre	Prem /acre	---	---Coverage--- tonne bu/lbs	Dollar /acre	Prem /acre	---	---Coverage--- tonne bu/lbs	Dollar /acre	Prem /acre		
OIL SUNF.														
\$465.00														
.21/lbs C14	.554	1221	.277	611	128.81	5.23	.388	855	180.42	10.25	.443	977	206.00	13.37
AREA ITA D14	.546	1204	.273	602	126.95	5.23	.382	842	177.63	10.25	.437	963	203.21	13.37
E14	.546	1204	.273	602	126.95	5.23	.382	842	177.63	10.25	.437	963	203.21	13.37
F14	.518	1142	.259	571	120.44	5.23	.363	800	168.80	10.25	.414	913	192.51	13.37
G14	.518	1142	.259	571	120.44	5.23	.363	800	168.80	10.25	.414	913	192.51	13.37
H14	.517	1140	.259	571	120.44	5.23	.362	798	168.33	10.25	.414	913	192.51	13.37
I14	.478	1054	.239	527	111.14	5.23	.335	739	155.78	10.25	.382	842	177.63	13.37
J14	.418	922	.209	461	97.19	5.23	.293	646	136.25	10.25	.334	736	155.31	13.37
N-OIL SUNF														
\$585.00														
.27/lbs C14	.693	1528	.347	765	203.00	9.36	.485	1069	283.73	18.25	.554	1221	324.09	23.84
D14	.683	1506	.342	754	200.07	9.36	.478	1054	279.63	18.25	.546	1204	319.41	23.84
E14	.683	1506	.342	754	200.07	9.36	.478	1054	279.63	18.25	.546	1204	319.41	23.84
F14	.648	1429	.324	714	189.54	9.36	.454	1001	265.59	18.25	.518	1142	303.03	23.84
G14	.648	1429	.324	714	189.54	9.36	.454	1001	265.59	18.25	.518	1142	303.03	23.84
H14	.646	1424	.323	712	188.96	9.36	.452	996	264.42	18.25	.517	1140	302.45	23.84
I14	.597	1316	.299	659	174.92	9.36	.418	922	244.53	18.25	.478	1054	279.63	23.84
J14	.522	1151	.261	575	152.69	9.36	.365	805	213.53	18.25	.418	922	244.53	23.84
N-OIL SUNF														
\$585.00														
.27/lbs C14	.554	1221	.277	611	162.05	9.34	.388	855	226.98	18.26	.443	977	259.16	23.83
AREA ITA D14	.546	1204	.273	602	159.71	9.34	.382	842	223.47	18.26	.437	963	255.65	23.83
E14	.546	1204	.273	602	159.71	9.34	.382	842	223.47	18.26	.437	963	255.65	23.83
F14	.518	1142	.259	571	151.52	9.34	.363	800	212.36	18.26	.414	913	242.19	23.83
G14	.518	1142	.259	571	151.52	9.34	.363	800	212.36	18.26	.414	913	242.19	23.83
H14	.517	1140	.259	571	151.52	9.34	.362	798	211.77	18.26	.414	913	242.19	23.83
I14	.478	1054	.239	527	139.82	9.34	.335	739	195.98	18.26	.382	842	223.47	23.83
J14	.418	922	.209	461	122.27	9.34	.293	646	171.41	18.26	.334	736	195.39	23.83
BUCKWHEAT														
\$580.00														
12.63/bu C14	.355	16.3	.178	8.2	103.24	7.84	.249	11.4	144.42	14.04	.284	13.0	164.72	18.36
D14	.355	16.3	.178	8.2	103.24	7.84	.249	11.4	144.42	14.04	.284	13.0	164.72	18.36
E14	.355	16.3	.178	8.2	103.24	7.84	.249	11.4	144.42	14.04	.284	13.0	164.72	18.36
F14	.303	13.9	.152	7.0	88.16	7.84	.212	9.7	122.96	14.04	.242	11.1	140.36	18.36
G14	.292	13.4	.146	6.7	84.68	7.84	.204	9.4	118.32	14.04	.234	10.7	135.72	18.36
H14	.292	13.4	.146	6.7	84.68	7.84	.204	9.4	118.32	14.04	.234	10.7	135.72	18.36
I14	.263	12.1	.132	6.1	76.56	7.84	.184	8.5	106.72	14.04	.210	9.6	121.80	18.36
J14	.239	11.0	.120	5.5	69.60	7.84	.167	7.7	96.86	14.04	.191	8.8	110.78	18.36
CANARY SD														
\$535.00														
.24/lbs C14	.548	1208	.274	604	146.59	6.01	.384	847	205.44	12.39	.438	966	234.33	16.45
D14	.548	1208	.274	604	146.59	6.01	.384	847	205.44	12.39	.438	966	234.33	16.45
E14	.548	1208	.274	604	146.59	6.01	.384	847	205.44	12.39	.438	966	234.33	16.45
F14	.340	750	.170	375	90.95	6.01	.238	525	127.33	12.39	.272	600	145.52	16.45
G14	.336	741	.168	370	89.88	6.01	.235	518	125.73	12.39	.269	593	143.92	16.45
H14	.306	675	.153	337	81.86	6.01	.214	472	114.49	12.39	.245	540	131.08	16.45
I14	.298	657	.149	328	79.72	6.01	.209	461	111.82	12.39	.238	525	127.33	16.45
J14	.249	549	.125	276	66.88	6.01	.174	384	93.09	12.39	.199	439	106.47	16.45

Imperial Units are Approximate.

AgrilInsurance Information Tables For 2015
Risk Area 14

Soil	-Probable Ylds- tonne bu/lbs	50%				70%				80%					
		---Coverage--- tonne bu/lbs	Dollar /acre	Prem /acre	---	---Coverage--- tonne bu/lbs	Dollar /acre	Prem /acre	---	---Coverage--- tonne bu/lbs	Dollar /acre	Prem /acre	---		
FIELD PEAS															
\$230.00															
6.26/bu	C14	1.083	39.8	.542	19.9	124.66	3.26	.758	27.9	174.34	7.11	.866	31.8	199.18	9.89
	D14	1.083	39.8	.542	19.9	124.66	3.26	.758	27.9	174.34	7.11	.866	31.8	199.18	9.89
	E14	1.083	39.8	.542	19.9	124.66	3.26	.758	27.9	174.34	7.11	.866	31.8	199.18	9.89
	F14	1.015	37.3	.508	18.7	116.84	3.26	.711	26.1	163.53	7.11	.812	29.8	186.76	9.89
	G14	.920	33.8	.460	16.9	105.80	3.26	.644	23.7	148.12	7.11	.736	27.0	169.28	9.89
	H14	.901	33.1	.451	16.6	103.73	3.26	.631	23.2	145.13	7.11	.721	26.5	165.83	9.89
	I14	.781	28.7	.391	14.4	89.93	3.26	.547	20.1	125.81	7.11	.625	23.0	143.75	9.89
	J14	.781	28.7	.391	14.4	89.93	3.26	.547	20.1	125.81	7.11	.625	23.0	143.75	9.89
PED FD PEA															
\$303.00															
8.25/bu	C14	1.083	39.8	.542	19.9	164.23	4.29	.758	27.9	229.67	9.35	.866	31.8	262.40	13.01
	D14	1.083	39.8	.542	19.9	164.23	4.29	.758	27.9	229.67	9.35	.866	31.8	262.40	13.01
	E14	1.083	39.8	.542	19.9	164.23	4.29	.758	27.9	229.67	9.35	.866	31.8	262.40	13.01
	F14	1.015	37.3	.508	18.7	153.92	4.29	.711	26.1	215.43	9.35	.812	29.8	246.04	13.01
	G14	.920	33.8	.460	16.9	139.38	4.29	.644	23.7	195.13	9.35	.736	27.0	223.01	13.01
	H14	.901	33.1	.451	16.6	136.65	4.29	.631	23.2	191.19	9.35	.721	26.5	218.46	13.01
	I14	.781	28.7	.391	14.4	118.47	4.29	.547	20.1	165.74	9.35	.625	23.0	189.38	13.01
	J14	.781	28.7	.391	14.4	118.47	4.29	.547	20.1	165.74	9.35	.625	23.0	189.38	13.01
LENTILS															
\$525.00															
.24/lbs	C14	.379	836	.190	419	99.75	7.88	.265	584	139.13	13.76	.303	668	159.08	18.00
AREA 1A	D14	.349	769	.175	386	91.88	7.88	.244	538	128.10	13.76	.279	615	146.48	18.00
	E14	.349	769	.175	386	91.88	7.88	.244	538	128.10	13.76	.279	615	146.48	18.00
	F14	.296	653	.148	326	77.70	7.88	.207	456	108.68	13.76	.237	522	124.43	18.00
	G14	.296	653	.148	326	77.70	7.88	.207	456	108.68	13.76	.237	522	124.43	18.00
	H14	.290	639	.145	320	76.13	7.88	.203	448	106.58	13.76	.232	511	121.80	18.00
	I14	.290	639	.145	320	76.13	7.88	.203	448	106.58	13.76	.232	511	121.80	18.00
	J14	.182	401	.091	201	47.78	7.88	.127	280	66.68	13.76	.146	322	76.65	18.00
WHI TE BNS															
\$620.00															
.28/lbs	C14	.648	1429	.324	714	200.88	8.06	.454	1001	281.48	15.33	.518	1142	321.16	20.01
AREA 2	D14	.648	1429	.324	714	200.88	8.06	.454	1001	281.48	15.33	.518	1142	321.16	20.01
	E14	.648	1429	.324	714	200.88	8.06	.454	1001	281.48	15.33	.518	1142	321.16	20.01
	F14	.648	1429	.324	714	200.88	8.06	.454	1001	281.48	15.33	.518	1142	321.16	20.01
	G14	.573	1263	.287	633	177.94	8.06	.401	884	248.62	15.33	.458	1010	283.96	20.01
	H14	.501	1105	.251	553	155.62	8.06	.351	774	217.62	15.33	.401	884	248.62	20.01
	I14	.186	410	.093	205	57.66	8.06	.130	287	80.60	15.33	.149	328	92.38	20.01
	J14	.186	410	.093	205	57.66	8.06	.130	287	80.60	15.33	.149	328	92.38	20.01
WHI TE BNS															
\$620.00															
.28/lbs	C14	.648	1429	.324	714	200.88	8.06	.454	1001	281.48	15.33	.518	1142	321.16	20.01
AREA 3	D14	.648	1429	.324	714	200.88	8.06	.454	1001	281.48	15.33	.518	1142	321.16	20.01
	E14	.648	1429	.324	714	200.88	8.06	.454	1001	281.48	15.33	.518	1142	321.16	20.01
	F14	.648	1429	.324	714	200.88	8.06	.454	1001	281.48	15.33	.518	1142	321.16	20.01
	G14	.573	1263	.287	633	177.94	8.06	.401	884	248.62	15.33	.458	1010	283.96	20.01
	H14	.501	1105	.251	553	155.62	8.06	.351	774	217.62	15.33	.401	884	248.62	20.01
	I14	.186	410	.093	205	57.66	8.06	.130	287	80.60	15.33	.149	328	92.38	20.01
	J14	.186	410	.093	205	57.66	8.06	.130	287	80.60	15.33	.149	328	92.38	20.01

Imperial Units are Approximate.

Agrilnsurance Information Tables For 2015
Risk Area 14

Soil	-Probable Ylds- tonne bu/lbs	50%				70%				80%			
		---Coverage--- tonne bu/lbs	Dollar /acre	Prem /acre	---	---Coverage--- tonne bu/lbs	Dollar /acre	Prem /acre	---	---Coverage--- tonne bu/lbs	Dollar /acre	Prem /acre	
WHI TE BNS \$620.00													
.28/l bs C14	.518 1142	.259 571	160.58	8.11	.363 800	225.06	15.30	.414 913	256.68	20.01			
AREA ITA D14	.518 1142	.259 571	160.58	8.11	.363 800	225.06	15.30	.414 913	256.68	20.01			
E14	.518 1142	.259 571	160.58	8.11	.363 800	225.06	15.30	.414 913	256.68	20.01			
F14	.518 1142	.259 571	160.58	8.11	.363 800	225.06	15.30	.414 913	256.68	20.01			
G14	.458 1010	.229 505	141.98	8.11	.321 708	199.02	15.30	.366 807	226.92	20.01			
H14	.401 884	.201 443	124.62	8.11	.281 619	174.22	15.30	.321 708	199.02	20.01			
I14	.149 328	.075 165	46.50	8.11	.104 229	64.48	15.30	.119 262	73.78	20.01			
J14	.149 328	.075 165	46.50	8.11	.104 229	64.48	15.30	.119 262	73.78	20.01			
KIDNEY BNS \$970.00													
.44/l bs C14	.628 1385	.314 692	304.58	15.21	.440 970	426.80	28.83	.502 1107	486.94	37.71			
AREA 2 D14	.628 1385	.314 692	304.58	15.21	.440 970	426.80	28.83	.502 1107	486.94	37.71			
E14	.628 1385	.314 692	304.58	15.21	.440 970	426.80	28.83	.502 1107	486.94	37.71			
F14	.628 1385	.314 692	304.58	15.21	.440 970	426.80	28.83	.502 1107	486.94	37.71			
G14	.556 1226	.278 613	269.66	15.21	.389 858	377.33	28.83	.445 981	431.65	37.71			
H14	.486 1071	.243 536	235.71	15.21	.340 750	329.80	28.83	.389 858	377.33	37.71			
I14	.180 397	.090 198	87.30	15.21	.126 278	122.22	28.83	.144 317	139.68	37.71			
J14	.180 397	.090 198	87.30	15.21	.126 278	122.22	28.83	.144 317	139.68	37.71			
KIDNEY BNS \$970.00													
.44/l bs C14	.628 1385	.314 692	304.58	15.21	.440 970	426.80	28.83	.502 1107	486.94	37.71			
AREA 3 D14	.628 1385	.314 692	304.58	15.21	.440 970	426.80	28.83	.502 1107	486.94	37.71			
E14	.628 1385	.314 692	304.58	15.21	.440 970	426.80	28.83	.502 1107	486.94	37.71			
F14	.628 1385	.314 692	304.58	15.21	.440 970	426.80	28.83	.502 1107	486.94	37.71			
G14	.556 1226	.278 613	269.66	15.21	.389 858	377.33	28.83	.445 981	431.65	37.71			
H14	.486 1071	.243 536	235.71	15.21	.340 750	329.80	28.83	.389 858	377.33	37.71			
I14	.180 397	.090 198	87.30	15.21	.126 278	122.22	28.83	.144 317	139.68	37.71			
J14	.180 397	.090 198	87.30	15.21	.126 278	122.22	28.83	.144 317	139.68	37.71			
KIDNEY BNS \$970.00													
.44/l bs C14	.502 1107	.251 553	243.47	15.25	.351 774	340.47	28.75	.402 886	389.94	37.63			
AREA ITA D14	.502 1107	.251 553	243.47	15.25	.351 774	340.47	28.75	.402 886	389.94	37.63			
E14	.502 1107	.251 553	243.47	15.25	.351 774	340.47	28.75	.402 886	389.94	37.63			
F14	.502 1107	.251 553	243.47	15.25	.351 774	340.47	28.75	.402 886	389.94	37.63			
G14	.445 981	.223 492	216.31	15.25	.312 688	302.64	28.75	.356 785	345.32	37.63			
H14	.389 858	.195 430	189.15	15.25	.272 600	263.84	28.75	.311 686	301.67	37.63			
I14	.144 317	.072 159	69.84	15.25	.101 223	97.97	28.75	.115 254	111.55	37.63			
J14	.144 317	.072 159	69.84	15.25	.101 223	97.97	28.75	.115 254	111.55	37.63			
CRAN BEANS \$970.00													
.44/l bs C14	.609 1343	.305 672	295.85	14.40	.426 939	413.22	27.28	.487 1074	472.39	35.66			
AREA 2 D14	.609 1343	.305 672	295.85	14.40	.426 939	413.22	27.28	.487 1074	472.39	35.66			
E14	.609 1343	.305 672	295.85	14.40	.426 939	413.22	27.28	.487 1074	472.39	35.66			
F14	.609 1343	.305 672	295.85	14.40	.426 939	413.22	27.28	.487 1074	472.39	35.66			
G14	.539 1188	.270 595	261.90	14.40	.377 831	365.69	27.28	.431 950	418.07	35.66			
H14	.471 1038	.236 520	228.92	14.40	.330 728	320.10	27.28	.377 831	365.69	35.66			
I14	.175 386	.088 194	85.36	14.40	.123 271	119.31	27.28	.140 309	135.80	35.66			
J14	.175 386	.088 194	85.36	14.40	.123 271	119.31	27.28	.140 309	135.80	35.66			

Imperial Units are Approximate.

AgriInsurance Information Tables For 2015
Risk Area 14

Soil	-Probable Ylds- tonne bu/lbs	50%				70%				80%				
		---Coverage--- tonne bu/lbs	Dollar /acre	Prem /acre		---Coverage--- tonne bu/lbs	Dollar /acre	Prem /acre		---Coverage--- tonne bu/lbs	Dollar /acre	Prem /acre		
CRAN BEANS \$970.00														
.44/lbs C14	.609	1343	.305	672	295.85	14.40	.426	939	413.22	27.28	.487	1074	472.39	35.66
AREA 3 D14	.609	1343	.305	672	295.85	14.40	.426	939	413.22	27.28	.487	1074	472.39	35.66
E14	.609	1343	.305	672	295.85	14.40	.426	939	413.22	27.28	.487	1074	472.39	35.66
F14	.609	1343	.305	672	295.85	14.40	.426	939	413.22	27.28	.487	1074	472.39	35.66
G14	.539	1188	.270	595	261.90	14.40	.377	831	365.69	27.28	.431	950	418.07	35.66
H14	.471	1038	.236	520	228.92	14.40	.330	728	320.10	27.28	.377	831	365.69	35.66
I14	.175	386	.088	194	85.36	14.40	.123	271	119.31	27.28	.140	309	135.80	35.66
J14	.175	386	.088	194	85.36	14.40	.123	271	119.31	27.28	.140	309	135.80	35.66
CRAN BEANS \$970.00														
.44/lbs C14	.487	1074	.244	538	236.68	14.43	.341	752	330.77	27.23	.390	860	378.30	35.61
AREA ITA D14	.487	1074	.244	538	236.68	14.43	.341	752	330.77	27.23	.390	860	378.30	35.61
E14	.487	1074	.244	538	236.68	14.43	.341	752	330.77	27.23	.390	860	378.30	35.61
F14	.487	1074	.244	538	236.68	14.43	.341	752	330.77	27.23	.390	860	378.30	35.61
G14	.431	950	.216	476	209.52	14.43	.302	666	292.94	27.23	.345	761	334.65	35.61
H14	.377	831	.189	417	183.33	14.43	.264	582	256.08	27.23	.302	666	292.94	35.61
I14	.140	309	.070	154	67.90	14.43	.098	216	95.06	27.23	.112	247	108.64	35.61
J14	.140	309	.070	154	67.90	14.43	.098	216	95.06	27.23	.112	247	108.64	35.61
PINTO BEAN \$575.00														
.26/lbs C14	.713	1572	.357	787	205.28	8.40	.499	1100	286.93	15.88	.570	1257	327.75	20.68
AREA 2 D14	.713	1572	.357	787	205.28	8.40	.499	1100	286.93	15.88	.570	1257	327.75	20.68
E14	.713	1572	.357	787	205.28	8.40	.499	1100	286.93	15.88	.570	1257	327.75	20.68
F14	.713	1572	.357	787	205.28	8.40	.499	1100	286.93	15.88	.570	1257	327.75	20.68
G14	.631	1391	.316	697	181.70	8.40	.442	974	254.15	15.88	.505	1113	290.38	20.68
H14	.546	1204	.273	602	156.98	8.40	.382	842	219.65	15.88	.437	963	251.28	20.68
I14	.204	450	.102	225	58.65	8.40	.143	315	82.23	15.88	.163	359	93.73	20.68
J14	.204	450	.102	225	58.65	8.40	.143	315	82.23	15.88	.163	359	93.73	20.68
PINTO BEAN \$575.00														
.26/lbs C14	.713	1572	.357	787	205.28	8.40	.499	1100	286.93	15.88	.570	1257	327.75	20.68
AREA 3 D14	.713	1572	.357	787	205.28	8.40	.499	1100	286.93	15.88	.570	1257	327.75	20.68
E14	.713	1572	.357	787	205.28	8.40	.499	1100	286.93	15.88	.570	1257	327.75	20.68
F14	.713	1572	.357	787	205.28	8.40	.499	1100	286.93	15.88	.570	1257	327.75	20.68
G14	.631	1391	.316	697	181.70	8.40	.442	974	254.15	15.88	.505	1113	290.38	20.68
H14	.546	1204	.273	602	156.98	8.40	.382	842	219.65	15.88	.437	963	251.28	20.68
I14	.204	450	.102	225	58.65	8.40	.143	315	82.23	15.88	.163	359	93.73	20.68
J14	.204	450	.102	225	58.65	8.40	.143	315	82.23	15.88	.163	359	93.73	20.68
PINTO BEAN \$575.00														
.26/lbs C14	.570	1257	.285	628	163.88	8.40	.399	880	229.43	15.90	.456	1005	262.20	20.76
AREA ITA D14	.570	1257	.285	628	163.88	8.40	.399	880	229.43	15.90	.456	1005	262.20	20.76
E14	.570	1257	.285	628	163.88	8.40	.399	880	229.43	15.90	.456	1005	262.20	20.76
F14	.570	1257	.285	628	163.88	8.40	.399	880	229.43	15.90	.456	1005	262.20	20.76
G14	.505	1113	.253	558	145.48	8.40	.354	780	203.55	15.90	.404	891	232.30	20.76
H14	.437	963	.219	483	125.93	8.40	.306	675	175.95	15.90	.350	772	201.25	20.76
I14	.163	359	.082	181	47.15	8.40	.114	251	65.55	15.90	.130	287	74.75	20.76
J14	.163	359	.082	181	47.15	8.40	.114	251	65.55	15.90	.130	287	74.75	20.76

Imperial Units are Approximate.

AgriInsurance Information Tables For 2015
Risk Area 14

Soil	-Probable Ylds- tonne bu/lbs	50%				70%				80%			
		---Coverage--- tonne bu/lbs	Dollar /acre	Prem /acre	---	---Coverage--- tonne bu/lbs	Dollar /acre	Prem /acre	---	---Coverage--- tonne bu/lbs	Dollar /acre	Prem /acre	
BLCK BEANS \$595.00													
.27/lbs C14	.642 1415	.321 708	191.00	9.07	.449 990	267.16	17.19	.514 1133	305.83	22.40			
AREA 2 D14	.642 1415	.321 708	191.00	9.07	.449 990	267.16	17.19	.514 1133	305.83	22.40			
E14	.642 1415	.321 708	191.00	9.07	.449 990	267.16	17.19	.514 1133	305.83	22.40			
F14	.642 1415	.321 708	191.00	9.07	.449 990	267.16	17.19	.514 1133	305.83	22.40			
G14	.567 1250	.284 626	168.98	9.07	.397 875	236.22	17.19	.454 1001	270.13	22.40			
H14	.496 1093	.248 547	147.56	9.07	.347 765	206.47	17.19	.397 875	236.22	22.40			
I14	.184 406	.092 203	54.74	9.07	.129 284	76.76	17.19	.147 324	87.47	22.40			
J14	.184 406	.092 203	54.74	9.07	.129 284	76.76	17.19	.147 324	87.47	22.40			
BLCK BEANS \$595.00													
.27/lbs C14	.642 1415	.321 708	191.00	9.07	.449 990	267.16	17.19	.514 1133	305.83	22.40			
AREA 3 D14	.642 1415	.321 708	191.00	9.07	.449 990	267.16	17.19	.514 1133	305.83	22.40			
E14	.642 1415	.321 708	191.00	9.07	.449 990	267.16	17.19	.514 1133	305.83	22.40			
F14	.642 1415	.321 708	191.00	9.07	.449 990	267.16	17.19	.514 1133	305.83	22.40			
G14	.567 1250	.284 626	168.98	9.07	.397 875	236.22	17.19	.454 1001	270.13	22.40			
H14	.496 1093	.248 547	147.56	9.07	.347 765	206.47	17.19	.397 875	236.22	22.40			
I14	.184 406	.092 203	54.74	9.07	.129 284	76.76	17.19	.147 324	87.47	22.40			
J14	.184 406	.092 203	54.74	9.07	.129 284	76.76	17.19	.147 324	87.47	22.40			
BLCK BEANS \$595.00													
.27/lbs C14	.514 1133	.257 567	152.92	9.09	.360 794	214.20	17.21	.411 906	244.55	22.47			
AREA ITA D14	.514 1133	.257 567	152.92	9.09	.360 794	214.20	17.21	.411 906	244.55	22.47			
E14	.514 1133	.257 567	152.92	9.09	.360 794	214.20	17.21	.411 906	244.55	22.47			
F14	.514 1133	.257 567	152.92	9.09	.360 794	214.20	17.21	.411 906	244.55	22.47			
G14	.454 1001	.227 500	135.07	9.09	.318 701	189.21	17.21	.363 800	215.99	22.47			
H14	.397 875	.199 439	118.41	9.09	.278 613	165.41	17.21	.318 701	189.21	22.47			
I14	.147 324	.074 163	44.03	9.09	.103 227	61.29	17.21	.118 260	70.21	22.47			
J14	.147 324	.074 163	44.03	9.09	.103 227	61.29	17.21	.118 260	70.21	22.47			
SML RED BN \$685.00													
.31/lbs C14	.609 1343	.305 672	208.93	10.77	.426 939	291.81	20.36	.487 1074	333.60	26.52			
AREA 2 D14	.609 1343	.305 672	208.93	10.77	.426 939	291.81	20.36	.487 1074	333.60	26.52			
E14	.609 1343	.305 672	208.93	10.77	.426 939	291.81	20.36	.487 1074	333.60	26.52			
F14	.609 1343	.305 672	208.93	10.77	.426 939	291.81	20.36	.487 1074	333.60	26.52			
G14	.539 1188	.270 595	184.95	10.77	.377 831	258.25	20.36	.431 950	295.24	26.52			
H14	.471 1038	.236 520	161.66	10.77	.330 728	226.05	20.36	.377 831	258.25	26.52			
I14	.175 386	.088 194	60.28	10.77	.123 271	84.26	20.36	.140 309	95.90	26.52			
J14	.175 386	.088 194	60.28	10.77	.123 271	84.26	20.36	.140 309	95.90	26.52			
SML RED BN \$685.00													
.31/lbs C14	.609 1343	.305 672	208.93	10.77	.426 939	291.81	20.36	.487 1074	333.60	26.52			
AREA 3 D14	.609 1343	.305 672	208.93	10.77	.426 939	291.81	20.36	.487 1074	333.60	26.52			
E14	.609 1343	.305 672	208.93	10.77	.426 939	291.81	20.36	.487 1074	333.60	26.52			
F14	.609 1343	.305 672	208.93	10.77	.426 939	291.81	20.36	.487 1074	333.60	26.52			
G14	.539 1188	.270 595	184.95	10.77	.377 831	258.25	20.36	.431 950	295.24	26.52			
H14	.471 1038	.236 520	161.66	10.77	.330 728	226.05	20.36	.377 831	258.25	26.52			
I14	.175 386	.088 194	60.28	10.77	.123 271	84.26	20.36	.140 309	95.90	26.52			
J14	.175 386	.088 194	60.28	10.77	.123 271	84.26	20.36	.140 309	95.90	26.52			

Imperial Units are Approximate.

AgrilInsurance Information Tables For 2015
Risk Area 14

Soil	-Probable Ylds- tonne bu/lbs	50%				70%				80%			
		---Coverage--- tonne bu/lbs	Dollar /acre	Prem /acre	---	---Coverage--- tonne bu/lbs	Dollar /acre	Prem /acre	---	---Coverage--- tonne bu/lbs	Dollar /acre	Prem /acre	---
SML RED BN \$685.00													
.31/lbs C14	.487 1074	.244 538	167.14	10.77	.341 752	233.59	20.33	.390 860	267.15	26.52			
AREA ITA D14	.487 1074	.244 538	167.14	10.77	.341 752	233.59	20.33	.390 860	267.15	26.52			
E14	.487 1074	.244 538	167.14	10.77	.341 752	233.59	20.33	.390 860	267.15	26.52			
F14	.487 1074	.244 538	167.14	10.77	.341 752	233.59	20.33	.390 860	267.15	26.52			
G14	.431 950	.216 476	147.96	10.77	.302 666	206.87	20.33	.345 761	236.33	26.52			
H14	.377 831	.189 417	129.47	10.77	.264 582	180.84	20.33	.302 666	206.87	26.52			
I14	.140 309	.070 154	47.95	10.77	.098 216	67.13	20.33	.112 247	76.72	26.52			
J14	.140 309	.070 154	47.95	10.77	.098 216	67.13	20.33	.112 247	76.72	26.52			
OTHER BEAN \$700.00													
.32/lbs C14	.687 1515	.344 758	240.80	10.64	.481 1060	336.70	20.13	.550 1213	385.00	26.35			
AREA 2 D14	.687 1515	.344 758	240.80	10.64	.481 1060	336.70	20.13	.550 1213	385.00	26.35			
E14	.687 1515	.344 758	240.80	10.64	.481 1060	336.70	20.13	.550 1213	385.00	26.35			
F14	.687 1515	.344 758	240.80	10.64	.481 1060	336.70	20.13	.550 1213	385.00	26.35			
G14	.607 1338	.304 670	212.80	10.64	.425 937	297.50	20.13	.486 1071	340.20	26.35			
H14	.530 1168	.265 584	185.50	10.64	.371 818	259.70	20.13	.424 935	296.80	26.35			
I14	.197 434	.099 218	69.30	10.64	.138 304	96.60	20.13	.158 348	110.60	26.35			
J14	.197 434	.099 218	69.30	10.64	.138 304	96.60	20.13	.158 348	110.60	26.35			
OTHER BEAN \$700.00													
.32/lbs C14	.687 1515	.344 758	240.80	10.64	.481 1060	336.70	20.13	.550 1213	385.00	26.35			
AREA 3 D14	.687 1515	.344 758	240.80	10.64	.481 1060	336.70	20.13	.550 1213	385.00	26.35			
E14	.687 1515	.344 758	240.80	10.64	.481 1060	336.70	20.13	.550 1213	385.00	26.35			
F14	.687 1515	.344 758	240.80	10.64	.481 1060	336.70	20.13	.550 1213	385.00	26.35			
G14	.607 1338	.304 670	212.80	10.64	.425 937	297.50	20.13	.486 1071	340.20	26.35			
H14	.530 1168	.265 584	185.50	10.64	.371 818	259.70	20.13	.424 935	296.80	26.35			
I14	.197 434	.099 218	69.30	10.64	.138 304	96.60	20.13	.158 348	110.60	26.35			
J14	.197 434	.099 218	69.30	10.64	.138 304	96.60	20.13	.158 348	110.60	26.35			
OTHER BEAN \$700.00													
.32/lbs C14	.550 1213	.275 606	192.50	10.64	.385 849	269.50	20.19	.440 970	308.00	26.35			
AREA ITA D14	.550 1213	.275 606	192.50	10.64	.385 849	269.50	20.19	.440 970	308.00	26.35			
E14	.550 1213	.275 606	192.50	10.64	.385 849	269.50	20.19	.440 970	308.00	26.35			
F14	.550 1213	.275 606	192.50	10.64	.385 849	269.50	20.19	.440 970	308.00	26.35			
G14	.486 1071	.243 536	170.10	10.64	.340 750	238.00	20.19	.389 858	272.30	26.35			
H14	.424 935	.212 467	148.40	10.64	.297 655	207.90	20.19	.339 747	237.30	26.35			
I14	.158 348	.079 174	55.30	10.64	.111 245	77.70	20.19	.126 278	88.20	26.35			
J14	.158 348	.079 174	55.30	10.64	.111 245	77.70	20.19	.126 278	88.20	26.35			
GREENFEED \$80.00													
72.60/ton C14	1.906 2.100	.953 1.050	76.24	2.36	1.334 1.470	106.72	5.96	1.525 1.681	122.00	8.51			
D14	1.772 1.953	.886 .976	70.88	2.36	1.240 1.366	99.20	5.96	1.418 1.563	113.44	8.51			
E14	1.763 1.943	.882 .972	70.56	2.36	1.234 1.360	98.72	5.96	1.410 1.554	112.80	8.51			
F14	1.592 1.754	.796 .877	63.68	2.36	1.114 1.228	89.12	5.96	1.274 1.404	101.92	8.51			
G14	1.496 1.649	.748 .824	59.84	2.36	1.047 1.154	83.76	5.96	1.197 1.319	95.76	8.51			
H14	1.447 1.595	.724 .798	57.92	2.36	1.013 1.116	81.04	5.96	1.158 1.276	92.64	8.51			
I14	1.304 1.437	.652 .719	52.16	2.36	.913 1.006	73.04	5.96	1.043 1.149	83.44	8.51			
J14	1.246 1.373	.623 .687	49.84	2.36	.872 .961	69.76	5.96	.997 1.099	79.76	8.51			

Imperial Units are Approximate.

AgriInsurance Information Tables For 2015
Risk Area 14

Soil	-Probable Ylds- tonne bu/lbs		50%				70%				80%				
			----Coverage----		Dollar	Prem	----Coverage----		Dollar	Prem	----Coverage----		Dollar	Prem	
	tonne	bu/lbs	tonne	bu/lbs	/acre	/acre	tonne	bu/lbs	/acre	/acre	tonne	bu/lbs	/acre	/acre	
OP SIL CRN															
\$36.00															
32.67/ton	C14	5.688	6.268	2.844	3.134	102.38	2.21	3.982	4.388	143.35	3.52	4.550	5.014	163.80	4.62
	D14	5.688	6.268	2.844	3.134	102.38	2.21	3.982	4.388	143.35	3.52	4.550	5.014	163.80	4.62
	E14	5.372	5.920	2.686	2.960	96.70	2.21	3.760	4.144	135.36	3.52	4.298	4.736	154.73	4.62
	F14	5.372	5.920	2.686	2.960	96.70	2.21	3.760	4.144	135.36	3.52	4.298	4.736	154.73	4.62
	G14	5.372	5.920	2.686	2.960	96.70	2.21	3.760	4.144	135.36	3.52	4.298	4.736	154.73	4.62
	H14	4.830	5.323	2.415	2.661	86.94	2.21	3.381	3.726	121.72	3.52	3.864	4.258	139.10	4.62
	I14	4.830	5.323	2.415	2.661	86.94	2.21	3.381	3.726	121.72	3.52	3.864	4.258	139.10	4.62
	J14	4.027	4.438	2.014	2.219	72.50	2.21	2.819	3.107	101.48	3.52	3.222	3.551	115.99	4.62
SIL CORN															
\$36.00															
32.67/ton	C14	11.375	12.535	5.688	6.268	204.77	4.43	7.963	8.775	286.67	7.04	9.100	10.028	327.60	9.24
	D14	11.375	12.535	5.688	6.268	204.77	4.43	7.963	8.775	286.67	7.04	9.100	10.028	327.60	9.24
	E14	10.744	11.840	5.372	5.920	193.39	4.43	7.521	8.288	270.76	7.04	8.595	9.472	309.42	9.24
	F14	10.744	11.840	5.372	5.920	193.39	4.43	7.521	8.288	270.76	7.04	8.595	9.472	309.42	9.24
	G14	10.744	11.840	5.372	5.920	193.39	4.43	7.521	8.288	270.76	7.04	8.595	9.472	309.42	9.24
	H14	9.660	10.645	4.830	5.323	173.88	4.43	6.762	7.452	243.43	7.04	7.728	8.516	278.21	9.24
	I14	9.660	10.645	4.830	5.323	173.88	4.43	6.762	7.452	243.43	7.04	7.728	8.516	278.21	9.24
	J14	8.054	8.876	4.027	4.438	144.97	4.43	5.638	6.213	202.97	7.04	6.443	7.100	231.95	9.24

Imperial Units are Approximate.

Agrilnsurance Information Tables For 2015

Risk Area 14

	BASE 50%				BASE 70%				BASE 80%						
	---Coverage---	tonne	bu/lbs	Dollar /acre	Prem /acre	---Coverage---	tonne	bu/lbs	Dollar /acre	Prem /acre	---Coverage---	tonne	bu/lbs	Dollar /acre	Prem /acre
GRAI N CORN AREA 2 \$150.00 3.81/bu	1.113	43.8	166.95	8.55	1.558	61.3	233.70	13.75	1.781	70.1	267.15	17.95			
GRAI N CORN AREA 4 \$150.00 3.81/bu	.870	34.3	130.50	8.92	1.217	47.9	182.55	14.31	1.391	54.8	208.65	18.69			
GRAI N CORN AREA I TA \$150.00 3.81/bu	.697	27.4	104.55	8.91	.976	38.4	146.40	14.28	1.115	43.9	167.25	18.72			
OPEN CORN \$150.00 3.81/bu	.545	21.5	81.75	4.84	.763	30.0	114.45	7.73	.872	34.3	130.80	10.09			
OPEN CORN AREA I TA \$150.00 3.81/bu	.436	17.2	65.40	4.84	.610	24.0	91.50	7.72	.698	27.5	104.70	10.08			
PROSO MLLT \$290.00 .13/lbs	.430	948	124.70	6.33	.602	1327	174.58	12.36	.688	1517	199.52	16.12			
PED TIMTHY \$1653.00 .75/lbs	.068	150	112.40	4.36	.095	209	157.04	10.51	.109	240	180.18	14.87			
PED ALFALF \$3704.00 1.68/lbs	.054	119	200.02	13.48	.076	168	281.50	33.33	.086	190	318.54	47.55			
COM ALFALF \$3461.00 1.57/lbs	.054	119	186.89	12.60	.076	168	263.04	31.29	.086	190	297.65	44.44			
ANN RYEGRS \$573.00 .26/lbs	.216	476	123.77	3.46	.302	666	173.05	8.80	.346	763	198.26	12.52			
PER RYEGRS \$1080.00 .49/lbs	.171	377	184.68	5.62	.239	527	258.12	14.17	.274	604	295.92	20.22			
TL FESC SD \$1080.00 .49/lbs	.104	229	112.32	6.82	.146	322	157.68	16.72	.166	366	179.28	23.72			

Imperial Units are Approximate.

Agrilnsurance Information Tables For 2015
Risk Area 14

	BASE 50%				BASE 70%				BASE 80%						
	---Coverage---	tonne	bu/lbs	Dollar /acre	Prem /acre	---Coverage---	tonne	bu/lbs	Dollar /acre	Prem /acre	---Coverage---	tonne	bu/lbs	Dollar /acre	Prem /acre
HEMP GRAIN \$1499.00 .68/lbs	.110	243	164.89	9.23	.154	340	230.85	17.99	.176	388	263.82	23.51			
FABABEANS \$220.00 .10/lbs	.421	928	92.62	4.78	.589	1299	129.58	10.43	.674	1486	148.28	14.52			
SOYBEANS AREA 2 \$370.00 10.07/bu	.380	14.0	140.60	5.28	.531	19.5	196.47	9.99	.607	22.3	224.59	13.02			
SOYBEANS AREA 3 \$370.00 10.07/bu	.368	13.5	136.16	6.42	.515	18.9	190.55	12.10	.588	21.6	217.56	15.74			
SOYBEANS AREA I TA \$370.00 10.07/bu	.303	11.1	112.11	6.59	.424	15.6	156.88	12.42	.485	17.8	179.45	16.27			
PED SOYBNS AREA 2 \$443.00 12.06/bu	.380	14.0	168.34	6.33	.531	19.5	235.23	11.96	.607	22.3	268.90	15.59			
PED SOYBNS AREA 3 \$443.00 12.06/bu	.368	13.5	163.02	7.69	.515	18.9	228.15	14.49	.588	21.6	260.48	18.85			
PED SOYBNS AREA I TA \$443.00 12.06/bu	.303	11.1	134.23	7.88	.424	15.6	187.83	14.86	.485	17.8	214.86	19.47			
POTATO DRY \$245.00 11.11/cwt	4.429	97.6	1085.11	13.02	6.200	136.7	1519.00	30.98	7.086	156.2	1736.07	46.51			
POTATO I RR \$245.00 11.11/cwt	6.005	132.4	1471.23	14.12	8.406	185.3	2059.47	33.78	9.607	211.8	2353.72	50.84			
POTATO TBL \$386.00 17.51/cwt	4.039	89.0	1559.05	31.81	5.654	124.6	2182.44	75.07	6.462	142.5	2494.33	111.74			
RUTABAGAS \$457.00 414.70/ton	5.265	5.802	2406.11	106.83	7.370	8.122	3368.09	231.74	8.423	9.282	3849.31	323.36			

Imperial Units are Approximate.

Agrilnsurance Information Tables For 2015

Risk Area 14

	BASE 50%				BASE 70%				BASE 80%			
	---Coverage---	bu/lbs	Dollar /acre	Prem /acre	---Coverage---	bu/lbs	Dollar /acre	Prem /acre	---Coverage---	bu/lbs	Dollar /acre	Prem /acre
ONI ONS \$344.00 312.16/ton	7.223	7.960	2484.71	57.64	10.112	11.143	3478.53	125.23	11.557	12.736	3975.61	174.92
PARSNI PS \$847.00 768.60/ton	3.129	3.448	2650.26	33.91	4.381	4.828	3710.71	74.19	5.006	5.517	4240.08	103.46
CARROTS \$333.00 302.18/ton	8.106	8.933	2699.30	15.12	11.348	12.505	3778.88	33.25	12.969	14.292	4318.68	46.65
ORG RS WHT \$345.00 9.39/bu	.310	11.4	106.95	4.40	.433	15.9	149.39	11.12	.495	18.2	170.78	15.85
ORG HW WHT \$345.00 9.39/bu	.313	11.5	107.99	4.40	.438	16.1	151.11	11.10	.500	18.4	172.50	15.86
ORG DU WHT \$315.00 8.57/bu	.257	9.4	80.96	3.62	.359	13.2	113.09	9.19	.410	15.1	129.15	13.09
ORG PS WHT \$263.00 7.16/bu	.350	12.9	92.05	4.45	.489	18.0	128.61	11.23	.559	20.5	147.02	16.01
ORG FD WHT \$248.00 6.75/bu	.344	12.6	85.31	4.22	.481	17.7	119.29	10.68	.550	20.2	136.40	15.26
ORG ES WHT \$323.00 8.79/bu	.291	10.7	93.99	4.69	.407	15.0	131.46	11.82	.465	17.1	150.20	16.87
ORG WI WHT \$263.00 7.16/bu	.421	15.5	110.72	4.91	.589	21.6	154.91	12.38	.673	24.7	177.00	17.69
ORG OATS \$315.00 4.86/bu	.332	21.5	104.58	6.36	.465	30.2	146.48	12.82	.531	34.4	167.27	16.99
ORG FLAX \$940.00 23.88/bu	.130	5.1	122.20	8.50	.182	7.2	171.08	17.68	.208	8.2	195.52	23.54

Imperial Units are Approximate.

Agrinsurance Forage Information Tables 2015
BASIC HAY (80% COVERAGE)

		-Probable Ylds- FR tonne		\$40 (LOW)		\$67 (HIGH)					
		---Coverage--- tonne	Dollar /acre	Prem /acre	---Coverage--- tonne	Dollar /acre	Prem /acre				
ALFALFA <= 4 YEARS	1	2.088	2.301	1.670	1.840	66.80	2.04	1.670	1.840	111.89	3.25
	2	1.944	2.142	1.555	1.714	62.20	1.98	1.555	1.714	104.19	3.15
	3	2.108	2.323	1.686	1.858	67.44	1.42	1.686	1.858	112.96	2.26
	4	2.235	2.463	1.788	1.970	71.52	1.51	1.788	1.970	119.80	2.41
	5	2.573	2.835	2.058	2.268	82.32	3.53	2.058	2.268	137.89	5.62
	6	2.425	2.672	1.940	2.138	77.60	2.90	1.940	2.138	129.98	4.61
ALFALFA > 4 YEARS	1	1.574	1.735	1.259	1.387	50.36	2.04	1.259	1.387	84.35	3.25
	2	1.487	1.639	1.190	1.311	47.60	1.98	1.190	1.311	79.73	3.15
	3	1.677	1.848	1.342	1.479	53.68	1.42	1.342	1.479	89.91	2.26
	4	1.818	2.003	1.454	1.602	58.16	1.51	1.454	1.602	97.42	2.41
	5	2.068	2.279	1.654	1.823	66.16	3.53	1.654	1.823	110.82	5.62
	6	1.728	1.904	1.382	1.523	55.28	2.90	1.382	1.523	92.59	4.61
ALFALFA/GRASS MIX. <= 4 YEARS	1	1.857	2.046	1.486	1.638	59.44	1.78	1.486	1.638	99.56	2.82
	2	1.913	2.108	1.530	1.686	61.20	2.10	1.530	1.686	102.51	3.34
	3	1.813	1.998	1.450	1.598	58.00	2.07	1.450	1.598	97.15	3.29
	4	1.997	2.201	1.598	1.761	63.92	1.55	1.598	1.761	107.07	2.46
	5	2.279	2.511	1.823	2.009	72.92	2.44	1.823	2.009	122.14	3.88
	6	1.959	2.159	1.567	1.727	62.68	2.86	1.567	1.727	104.99	4.54
ALFALFA/GRASS MIX. > 4 YEARS	1	1.404	1.547	1.123	1.238	44.92	1.78	1.123	1.238	75.24	2.82
	2	1.447	1.595	1.158	1.276	46.32	2.10	1.158	1.276	77.59	3.34
	3	1.424	1.569	1.139	1.255	45.56	2.07	1.139	1.255	76.31	3.29
	4	1.542	1.699	1.234	1.360	49.36	1.55	1.234	1.360	82.68	2.46
	5	1.693	1.866	1.354	1.492	54.16	2.44	1.354	1.492	90.72	3.88
	6	1.459	1.608	1.167	1.286	46.68	2.86	1.167	1.286	78.19	4.54
GRASSES <= 4 YEARS	1	1.388	1.530	1.110	1.223	44.40	1.51	1.110	1.223	74.37	2.38
	2	1.574	1.735	1.259	1.387	50.36	1.72	1.259	1.387	84.35	2.71
	3	1.623	1.789	1.298	1.430	51.92	2.06	1.298	1.430	86.97	3.23
	4	1.509	1.663	1.207	1.330	48.28	1.34	1.207	1.330	80.87	2.10
	5	1.305	1.438	1.044	1.150	41.76	1.83	1.044	1.150	69.95	2.88
	6	1.288	1.419	1.030	1.135	41.20	2.22	1.030	1.135	69.01	3.50
GRASSES > 4 YEARS	1	1.200	1.322	.960	1.058	38.40	1.51	.960	1.058	64.32	2.38
	2	1.232	1.358	.986	1.087	39.44	1.72	.986	1.087	66.06	2.71
	3	1.195	1.317	.956	1.054	38.24	2.06	.956	1.054	64.05	3.23
	4	1.111	1.224	.889	.980	35.56	1.34	.889	.980	59.56	2.10
	5	1.138	1.254	.910	1.003	36.40	1.83	.910	1.003	60.97	2.88
	6	1.130	1.245	.904	.996	36.16	2.22	.904	.996	60.57	3.50
SWEET CLOVER	1	1.672	1.843	1.338	1.474	53.52	1.67	1.338	1.474	89.65	2.80
	2	1.733	1.910	1.386	1.527	55.44	2.02	1.386	1.527	92.86	3.38
	3	1.564	1.724	1.251	1.379	50.04	1.88	1.251	1.379	83.82	3.15
	4	1.685	1.857	1.348	1.485	53.92	1.36	1.348	1.485	90.32	2.27
	5	2.042	2.250	1.634	1.801	65.36	2.19	1.634	1.801	109.48	3.67
	6	1.535	1.692	1.228	1.353	49.12	2.36	1.228	1.353	82.28	3.95
COARSE HAY	1	.993	1.094	.794	.875	31.76	1.12	.794	.875	53.20	1.87
	2	1.064	1.173	.851	.938	34.04	1.28	.851	.938	57.02	2.15
	3	.755	.832	.604	.666	24.16	1.15	.604	.666	40.47	1.92
	4	.903	.995	.722	.796	28.88	.93	.722	.796	48.37	1.56
	5	1.147	1.264	.918	1.012	36.72	1.64	.918	1.012	61.51	2.75
	6	.866	.954	.693	.764	27.72	1.52	.693	.764	46.43	2.56

Sheep/Operation Type	Storage Type	Volatilization	Animal Numbers	Weight In	Weight Out	Ave Weight	Days on Feed	Cycles per Year	N Excreted per Flock adjusted for Loss lb/flock/yr	P2O5 Excreted Per Flock lb/flock/yr
				lb	lb	lb				
Ewes	Field Storage	40%	0	120	170	145	365	1	0	0
Replacement Ewes	Field Storage	40%	0	45	80	63	210	1	0	0
Rams	Field Storage	40%	0	100	200	150	365	1	0	0
Lambs	Field Storage	40%	0	8	45	27	70	1.4	0	0
Ewes, plus assoc livestock	Field Storage	40%	0	na	na	na	na	na	0	0
Feeder	Compost	40%	15000	45	100	73	91	4	106880	63732

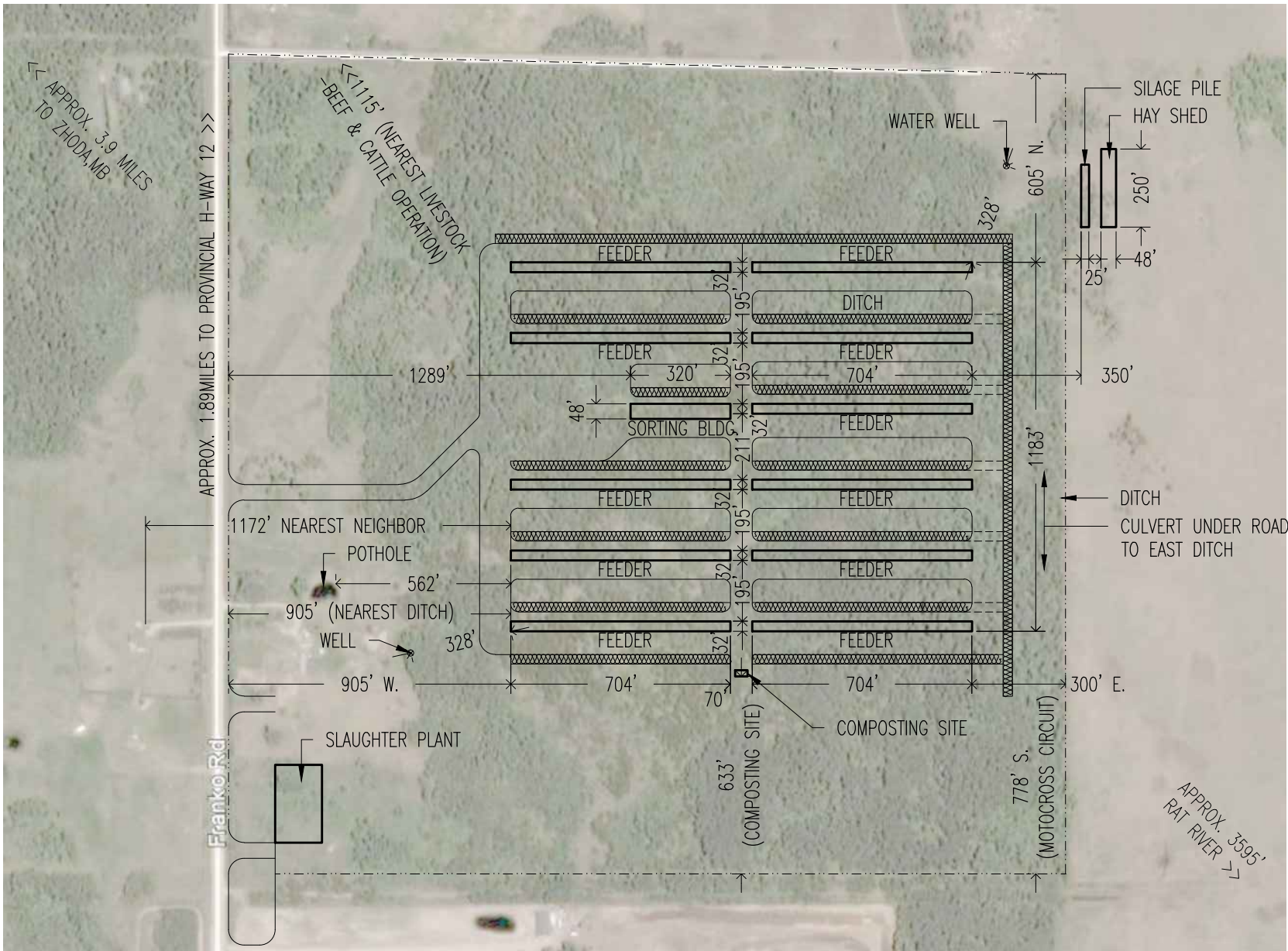
Crop	Removal		Uptake		Yield	Units	Acreage	Removal		Uptake
	P2O5	N	N	Units				P2O5 (lb)	N (lb)	N (lb)
Alfalfa	13.8	58	58	lb/ton	2.159	ton/ac	452	13467	56600	56600
Barley Grain	0.42	0.97	1.39	lb/bu		bu/ac		-	-	-
Barley Silage	11.8	34.4	34.4	lb/ton		ton/ac		-	-	-
Canola	1.04	1.93	3.19	lb/bu		bu/ac		-	-	-
Corn Grain	0.44	0.97	1.53	lb/bu	87.6	bu/ac	84	3238	7138	11258
Corn Silage	12.7	31.2	31.2	lb/ton	3.11	tons/ac	235	9282	22803	22803
Dry Edible Beans	1.39	4.17		lb/cwt		cwt/ac		-	-	-
Fababeans	1.79	5.02	8.4	lb/cwt		cwt/ac		-	-	-
Flax	0.65	2.13	2.88	lb/bu		bu/ac		-	-	-
Grass Hay	10	34.2	34.2	lb/ton	1.419	tons/ac	263	3732	12763	12763
Lentils	1.03	3.39	5.08	lb/cwt		cwt/ac		-	-	-
Oats	0.26	0.62	1.07	lb/bu		bu/ac		-	-	-
Pasture (grazed)	10	34.2	34.2	lb/ton	0.5	ton/ac		-	-	-
Peas	0.69	2.34	3.06	lb/bu		bu/ac		-	-	-
Potatoes	0.09	0.32	0.57	lb/cwt		cwt/ac		-	-	-
Rye	0.45	1.06	1.67	lb/bu		bu/ac		-	-	-
Soybeans	0.84	3.87	5.2	lb/bu	28	bu/ac	132	3105	14304	19219
Sunflower	1.1	2.8		lb/cwt		cwt/ac		-	-	-
Wheat - Spring	0.59	1.5	2.11	lb/bu		bu/ac		-	-	-
Wheat - Winter	0.51	1.04	1.35	lb/bu		bu/ac		-	-	-
Sub Total							1166	32823	113607	122644
Estimated Average Removal/Uptake (lb/ac)								28.2	97.4	105.2
Additional Acres										
Crop Planned on Additional Acres										
Total Suitable Acres Available for Manure							1166			

Note: Additional acres include acres that are suitable and available for manure application but are seeded to crops that are not included in the table. Include the crop to be grown in the row below.

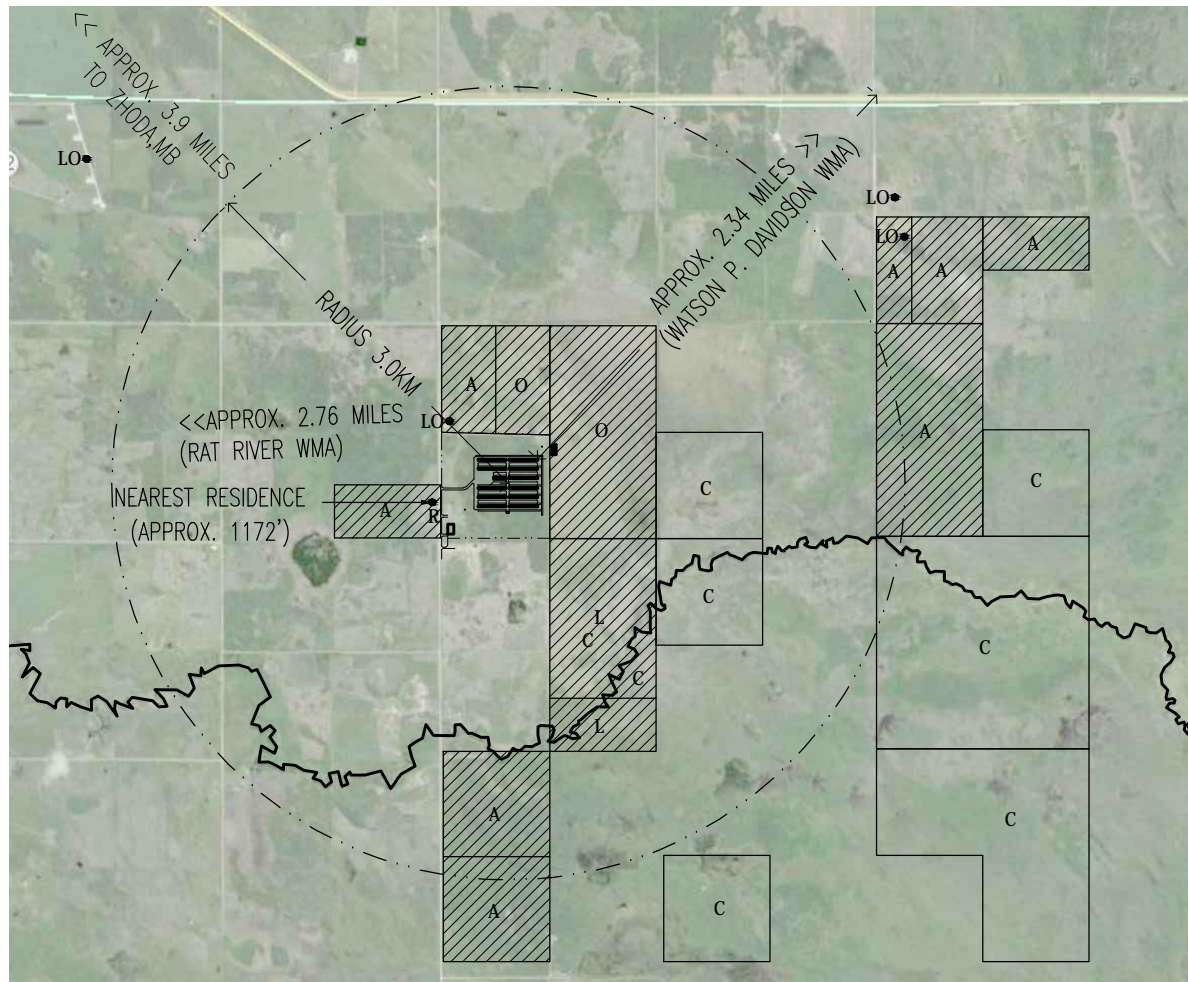
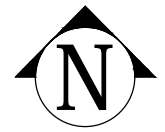
Species	Animal Category/Operation type	N (lb/year)	P205 (lb/year)
Pigs	Gestating Sow	0	0
	Nursing Sow	0	0
	Gilts	0	0
	Boars	0	0
	Sows, farrow to 5 kg	0	0
	Sows, farrow to 23 kg	0	0
	Sows, farrow to finish	0	0
	Weanlings	0	0
	Growers/finishers	0	0
Beef	Mature Cows (>2 years old)	0	0
	Bred Heifer (14 mo - 2 years)	0	0
	Replacement Heifers (7 mo-14 mo)	0	0
	Unweaned Calves (0-7 mo)	0	0
	Bulls	0	0
	Mature Cows and Bred Heifers, plus associated livestock	0	0
	Feedlot Cattle - long keep	0	0
	Feedlot Cattle - short keep	0	0
	Backgrounders - pasture	0	0
	Backgrounders - confined	0	0
Dairy	Lactating cow	0	0
	Dry cow	0	0
	Calf, 0-3 months	0	0
	Calf, 4-13 months	0	0
	Replacements, >13 months	0	0
	Mature Cows, plus assoc livestock	0	0
Sheep	Ewes	0	0
	Replacement Ewes	0	0
	Rams	0	0
	Lambs	0	0
	Ewes, plus assoc livestock	0	0
	Feeder	106880	63732
Chickens	Broilers	0	0
	Broiler Breeder Pullets	0	0
	Broiler Breeder Hens	0	0
Layers	Layer Pullets	0	0
	Layer Hens	0	0
	Breeder Pullets	0	0
	Breeder Hens	0	0
Turkeys	Broiler Hens (0-9 wks)	0	0
	Hens (0-11 wks)	0	0
	Heavy Hens (0-14 wks)	0	0
	Light Toms (0-12 wks)	0	0
	Toms (0-13 wks)	0	0
	Heavy Toms (0-15 wks)	0	0
	Breeding Hen Growers (0-30 wks)	0	0
	Breeding Hens (30-60 wks)	0	0
	Breeding Tom Grower (0-18 wks)	0	0
	Breeding Tom Grower (0-30 wks)	0	0
	Breeding Tom (30-60 wks)	0	0
Total		106880	63732

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

Nutrients Excreted		lbs
Nitrogen		106880
P2O5		63732
Crop Nutrient Use		lb/ac
Nitrogen Uptake		105.2
P2O5 Removal		28.2
Land Base Requirements		acres
Acres Available		1166
Acres for Nitrogen Uptake		1016
Acres for 2 x P2O5 Removal		1132
Acres for 1 x P2O5 Removal		2264



PROJECT NAME CANADA SHEEP & LAMB	BUILDING AREA N/A
SHEET TITLE SITE PLAN	DRAWN BY R. FLORES/P.FERRER SOUTH-MAN ENGINEERING
DATE DRAWN JUNE 2015	DRAWING SCALE N.T.S.
THIS DRAWING IS THE PROPERTY OF SOUTH-MAN ENGINEERING, WINNIPEG, MANITOBA, CANADA.	
SHEET NUMBER S-P1	



LEGEND:

- LO- LIVESTOCK OPERATIONS
- O- SPREAD FIELDS (OWNED)
- A- SPREAD FIELDS (AGREEMENT)
- L- SPREAD FIELDS (LEASE)
- R- RESIDENCE
- C- CROWN
- 3km NOTIFICATION AREA FOR THE PUBLIC CONDITIONAL USE HEARING

**South-Man
Engineering**

UNIT 15-1599 DUGALD ROAD
WINNIPEG, MANITOBA R2J 0H3

PH (204) 668-9652
FAX (204) 668-9204

PROJECT NAME CANADA SHEEP & LAMB	BUILDING AREA N/A
SHEET TITLE LAND USE & SPREAD FIELD MAP	DRAWN BY P.FERRER SOUTH-MAN ENGINEERING
DATE DRAWN JUNE 2015	DRAWING SCALE N.T.S.
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SHEET NUMBER SP-2	



**South-Man
Engineering**

UNIT 15-1599 DUCALD ROAD
WINNIPEG, MANITOBA
R2J 0H3

PH (204) 668-9652
FAX (204) 668-9204

PROJECT NAME CANADA SHEEP & LAMB	BUILDING AREA N/A
SHEET TITLE TRUCK HAUL ROUTE	DRAWN BY P. FERRER SOUTH-MAN ENGINEERING
DATE DRAWN JUNE 2015	DRAWING SCALE N.T.S.
THIS DRAWING IS THE PROPERTY OF SOUTH-MAN ENGINEERING, WINNIPEG, MANITOBA, CANADA.	
SHEET NUMBER SP-3	



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

Report To: Four Oak Ag Solutions
 Box 131
 Kleeefeld, Manitoba R0A 0V0

Grower: CANADA SHEEP & LAMB
Grower Field Name:

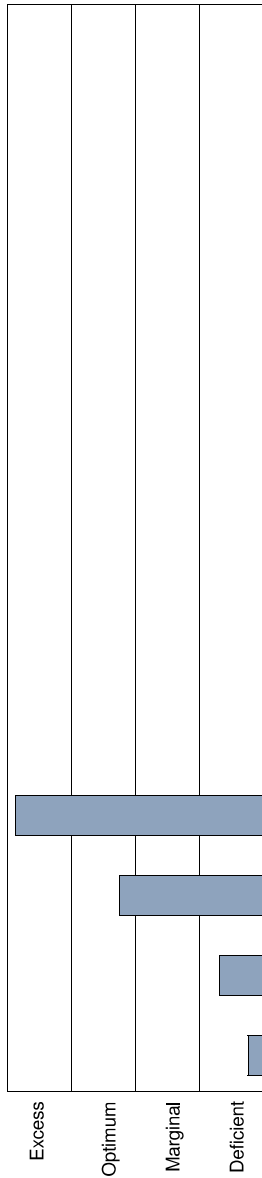
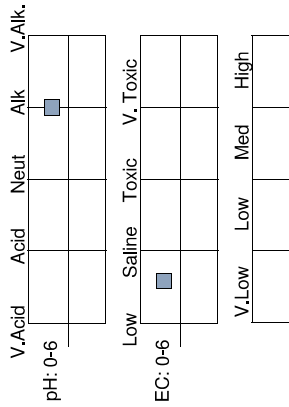
Reference Field Name:
Legal Location: NE 28-3-8 E1
Total Acres:

Attention: Marcus Dueck
Client ID: 14-0027

Lot Number: 150507_015
Date Sampled: 2015/05/07
Received Date: 2015/05/07
Date Reported: 2015/05/08

Sampler: MARCUS

Sample ID	Depth	N	P*	K	S	Ca	Mg	Na	B	Cu	Fe	Mn	Zn	CI	pH	EC	OM
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	dS/m	%	
150507_015-01	0-6	3	10.0	230	21										8.0	1.12	
150507_015-02	6-24	2			8												



	N	P	K	S
0-6 lb/Ac:	7	20	460	42
6-24 lb/Ac:	11			47

CEC (meq/100g):
Base Saturation (%):
Sand (%):
Silt (%):
Clay (%):

Ca Base Saturation (%):
K Base Saturation (%):

Mg Base Saturation (%):
Na Base Saturation (%):

Texture:

Total lb/Ac measured: 18 20 460 89
Estimated lb/Ac to 24 inch: 18 20 460 89

Recommendation:

Comments:

* Bicarbonate-Extractable (Olsen) Phosphate

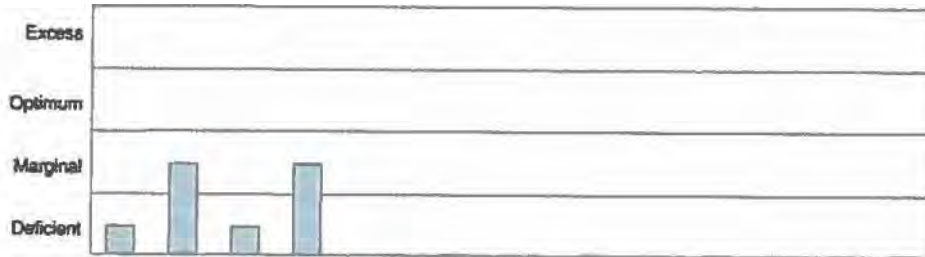
Report To: 4 Oak Ag Solutions
Box 131
Kleefeld, Manitoba R0A 0V0

Grower: CANADA SHEEP & LAMB
Grower Field Name: NW 28-3-8 E
Reference Field Name: *East half*
Legal Location: NW 28-3-8 E1

Lot Number: 140819_006
Date Sampled: 2014/08/19
Received Date: 2014/08/19
Date Reported: 2014/08/20

Attention: Marcus Dueck
Client ID: 14-0027
Total Acres:
Sampler: MARCUS

Sample ID	Depth	N ppm	P* ppm	K ppm	S ppm	Ca ppm	Mg ppm	Na ppm	B ppm	Cu ppm	Fe ppm	Mn ppm	Zn ppm	Cl ppm	pH	EC dS/m	OM %
140819_006-01	0-6	2	25.0	78	6										8.4	0.29	
140819_006-02	6-24	<1			3												



	V. Acid	Acid	Neut	Alk	V. Alk
pH: 0-6					
EC: 0-6					

	N	P	K	S
0-6 lb/Ac:	4	50	152	12
6-24 lb/Ac:	<6			16

CEC (meq/100g):
Base Saturation (%):

Ca Base Sat. (%):
K Base Sat. (%):

Mg Base Sat. (%):
Na Base Sat. (%):

Sand (%): Silt (%): Clay (%): Texture:

Total lb/Ac measured: 5 N, 50 P, 152 K, 28 S
Estimated lb/Ac to 24 inch: 5 N, 28 S

Lab Comments:
* Bicarbonate-Extractable (Olsen) Phosphate

Fertility Recommendation		Previous Crop:	<input checked="" type="checkbox"/> Straw Removed <input checked="" type="checkbox"/> Continuous Cropping <input type="checkbox"/> Irrigated										
Yield Type	Rain Required (Inch)	Yield	% Yield Reduction	N	P2O5	K2O	S	B	Cu	Fe	Mn	Zn	Cl
Grass (hay)													
Calculated Yield	10.1 (Wet)	81 cwt	0	135	50	60	5						
Calculated Yield	7.8 (Average)	61 cwt	0	130	40	50	0						
Calculated Yield	4.8 (Dry)	40 cwt	0	70	30	40	0						

Fertility recommendations are based on spring banding of N, S and seed placement of P, K. Consider total seed row fertilizer with regard to seeding damage. Potato, Sugar Beet and Grass yield units are cwt/acre, harvested at 15% moisture. Dividing cwt/ac by 20 converts yield units to tons/ac. High nitrogen rates may be more effective as split application. For forages, P2O5 and K2O recommendations are for broadcast application. For banded or spoke wheel placement, the rate may be reduced by 1/3 to 1/2. The rate of P2O5 application is higher than the maximum recommended seed-placed P2O5 rate for the first crop (> 20 lbs/acre). The remaining may be banded. The rate of Phosphorus application is based on seed-placement. Broadcasting and incorporation requirement on the average is 2.5 times that of seed-placement.



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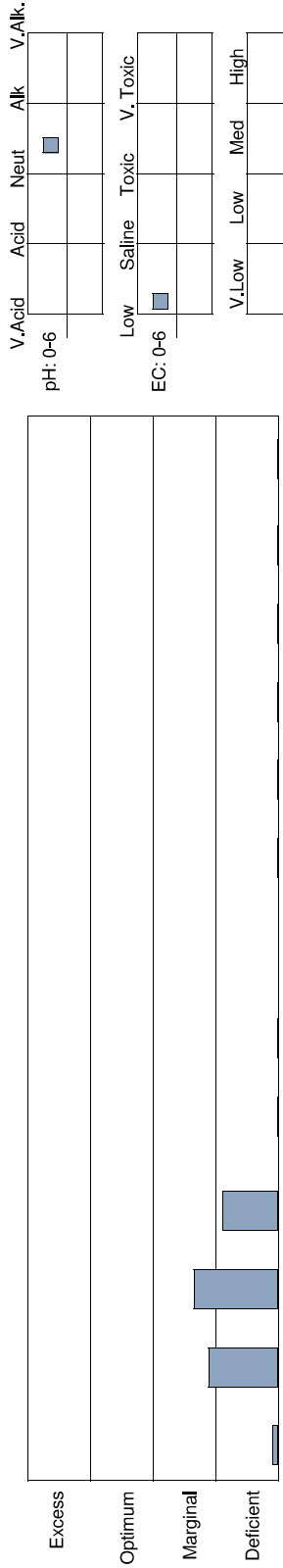
Report To: Four Oak Ag Solutions
 Box 131
 Kleefeld, Manitoba R0A 0V0

Grower: CANADA SHEEP & LAMB
Grower Field Name: 3
Reference Field Name: SE 28-3-8 E1
Legal Location: 160
Total Acres: MARCUS
Sampler:

Lot Number: 150424_061
Date Sampled: 2015/04/23
Received Date: 2015/04/24
Date Reported: 2015/04/27

Attention: Marcus Dueck
Client ID: 14-0027

Sample ID	Depth	N	P*	K	S	Ca	Mg	Na	B	Cu	Fe	Mn	Zn	CI	pH	EC	OM
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	dS/m		%
150424_061-01	0-6	3	16.0	100	3										7.4	0.28	
150424_061-02	6-24	<1			<2												



CEC (meq/100g): Ca Base Saturation (%):
Base Saturation (%): K Base Saturation (%):
Sand (%): Silt (%): Clay (%):
Mg Base Saturation (%):
Na Base Saturation (%):
Texture:

0-6 lb/Ac: 5 32 200 5
6-24 lb/Ac: <6 <12 <12 7

Total lb/Ac measured: 6 32 200 7
Estimated lb/Ac to 24 inch: 6 7

Recommendation:

Comments:

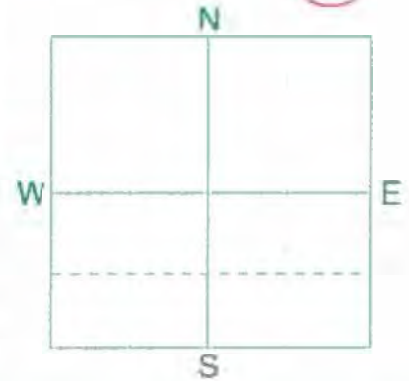
* Bicarbonate-Extractable (Olsen) Phosphate



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

SOIL TEST REPORT

FIELD ID **SW 28-03-08E**
 SAMPLE ID
 FIELD NAME **SW 28-03-08E**
 COUNTY
 TWP RANGE
 SECTION QTR ACRES **0**
 PREV. CROP **Grass/Pasture**



SUBMITTED FOR:
 Canada Sheep and Lamb

SUBMITTED BY: DU4426
FOUR OAK AG SOLUTION
 31119 RD 27E
 BOX 131
 KLEEFELD, MB ROA OVO

REF # **1012151** BOX # **0**
 LAB # **NW91397**

Date Sampled **09/29/2014** Date Received **10/08/2014** Date Reported **4/16/2015**

Nutrient In The Soil		Interpretation				1st Crop Choice		2nd Crop Choice		3rd Crop Choice				
		None	Low	Med	High	Corn-Grain		Corn-Silage		Grass/Pasture				
						YIELD GOAL		YIELD GOAL		YIELD GOAL				
						150 BU		14 Tons		6 Tons				
						SUGGESTED GUIDELINES		SUGGESTED GUIDELINES		SUGGESTED GUIDELINES				
						Broadcast		Broadcast		Broadcast				
						LB/ACRE	APPLICATION	LB/ACRE	APPLICATION	LB/ACRE	APPLICATION			
Nitrate	0-6" 4 lb/ac 6-24" 3 lb/ac 0-24" 7 lb/ac					N 173		N 139		N 173				
Phosphorus	Olsen 14 ppm					P ₂ O ₅ 67 Broadcast		P ₂ O ₅ 60 Broadcast		P ₂ O ₅ 25 Broadcast				
Potassium	67 ppm					K ₂ O 134 Broadcast		K ₂ O 109 Broadcast		K ₂ O 88 Broadcast				
Chloride						Cl		Cl		Cl				
Sulfur	0-6" 24 lb/ac 6-24" 36 lb/ac					S 15 Broadcast (Trial)		S 15 Broadcast (Trial)		S 15 Broadcast (Trial)				
Boron						B		B		B				
Zinc	1.47 ppm					Zn 0		Zn 0		Zn 0				
Iron						Fe		Fe		Fe				
Manganese						Mn		Mn		Mn				
Copper	0.32 ppm					Cu 0		Cu 0		Cu 0				
Magnesium						Mg		Mg		Mg				
Calcium						Lime		Lime		Lime				
Sodium														
Org.Matter	2.2 %					Soil pH		Cation Exchange Capacity		% Base Saturation (Typical Range)				
Carbonate(CCE)						Buffer pH				% Ca	% Mg	% K	% Na	% H
Sol. Salts	0-6" 0.19 mmho/cm 6-24" 0.1 mmho/cm					0-6" 7.4								
						6-24" 7.3								

Crop 1: Many crops may respond to a starter application of P & K even on high soil tests. Crop Removal: P2O5 = 60 K2O = 41 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 = 50 K2O = 116 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 = 72 K2O = 270 AGVISE Broadcast guidelines will build P & K test levels to the high range over several years.



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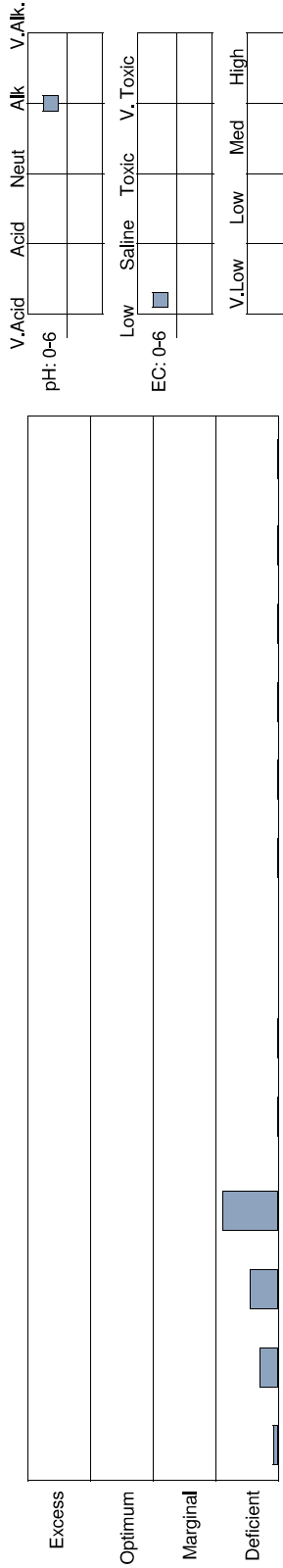
Report To: Four Oak Ag Solutions
 Box 131
 Kleefeld, Manitoba R0A 0V0

Grower: CANADA SHEEP & LAMB
Grower Field Name: 5 NORTH HALF
Reference Field Name: SE 35-3-8 E1
Legal Location: 80
Total Acres: 80
Sampler: MARCUS

Lot Number: 150424_062
Date Sampled: 2015/04/23
Received Date: 2015/04/24
Date Reported: 2015/04/27

Attention: Marcus Dueck
Client ID: 14-0027

Sample ID	Depth	N	P*	K	S	Ca	Mg	Na	B	Cu	Fe	Mn	Zn	CI	pH	EC	OM
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	dS/m	%	
150424_062-01	0-6	2	4.2	32	3										8.0	0.32	
150424_062-02	6-24	<1			<2												



CEC (meq/100g): Ca Base Saturation (%):
Base Saturation (%): K Base Saturation (%):
Sand (%): Silt (%): Clay (%):

0-6 lb/Ac: 4 8 64 5
6-24 lb/Ac: <6 <12

Total lb/Ac measured: 5 8 64 7
Estimated lb/Ac to 24 inch: 5 8 64 7

Recommendation:

Comments:

* Bicarbonate-Extractable (Olsen) Phosphate



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





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 Phone: 1 204 233 4099

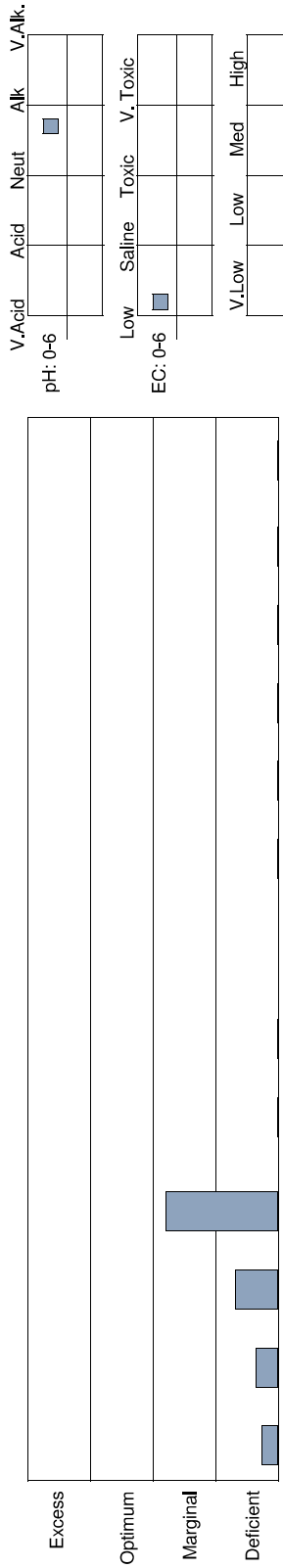
Report To: Four Oak Ag Solutions
 Box 131
 Kleefeld, Manitoba R0A 0V0

Grower: CANADA SHEEP & LAMB
Grower Field Name: 6
Reference Field Name: NW 26-3-8 E1
Legal Location: NW 26-3-8 E1
Total Acres: 160
Sampler: MARCUS

Lot Number: 150424_063
Date Sampled: 2015/04/23
Received Date: 2015/04/24
Date Reported: 2015/04/27

Attention: Marcus Dueck
Client ID: 14-0027

Sample ID	Depth	N	P*	K	S	Ca	Mg	Na	B	Cu	Fe	Mn	Zn	CI	pH	EC	OM
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	dS/m	%	
150424_063-01	0-6	2	5.1	50	4										7.7	0.31	
150424_063-02	6-24	3			3												



CEC (meq/100g):
 Base Saturation (%):
 Ca Base Saturation (%):
 K Base Saturation (%):
 Mg Base Saturation (%):
 Na Base Saturation (%):

Sand (%):
 Silt (%):
 Clay (%):
 Texture:

Recommendation:
 Comments:
 * Bicarbonate-Extractable (Olsen) Phosphate



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 Phone: 1 204 233 4099

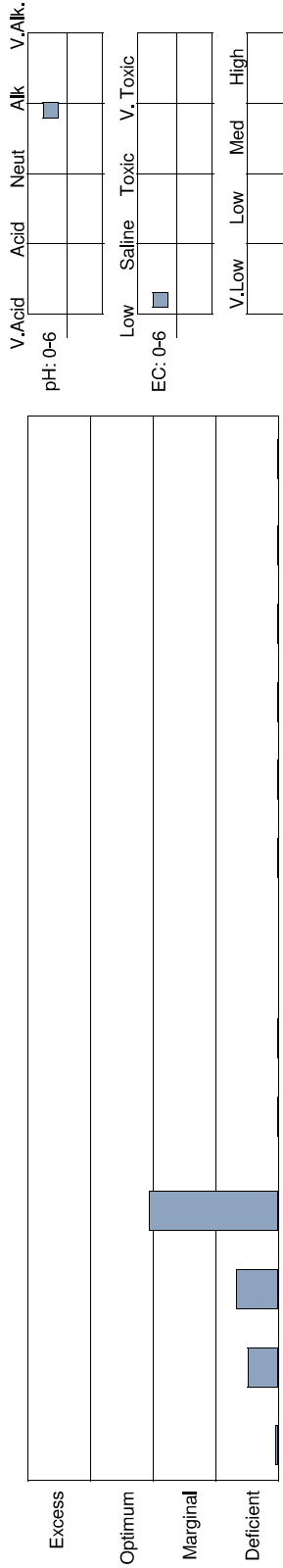
Report To: Four Oak Ag Solutions
 Box 131
 Kleefeld, Manitoba R0A 0V0

Grower: CANADA SHEEP & LAMB
Grower Field Name: 7
Reference Field Name: SW 26-3-8 E1
Legal Location: SW 26-3-8 E1
Total Acres: 160
Sampler: MARCUS

Lot Number: 150424_064
Date Sampled: 2015/04/23
Received Date: 2015/04/24
Date Reported: 2015/04/27

Attention: Marcus Dueck
Client ID: 14-0027

Sample ID	Depth	N	P*	K	S	Ca	Mg	Na	B	Cu	Fe	Mn	Zn	CI	pH	EC	OM
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	dS/m	%	
150424_064-01	0-6	<1	7.0	49	3										7.9	0.32	
150424_064-02	6-24	<1			4												



CEC (meq/100g):
 Base Saturation (%):
 Ca Base Saturation (%):
 K Base Saturation (%):
 Mg Base Saturation (%):
 Na Base Saturation (%):

Sand (%):
 Silt (%):
 Clay (%):
 Texture:

Recommendation:

Comments:

* Bicarbonate-Extractable (Olsen) Phosphate



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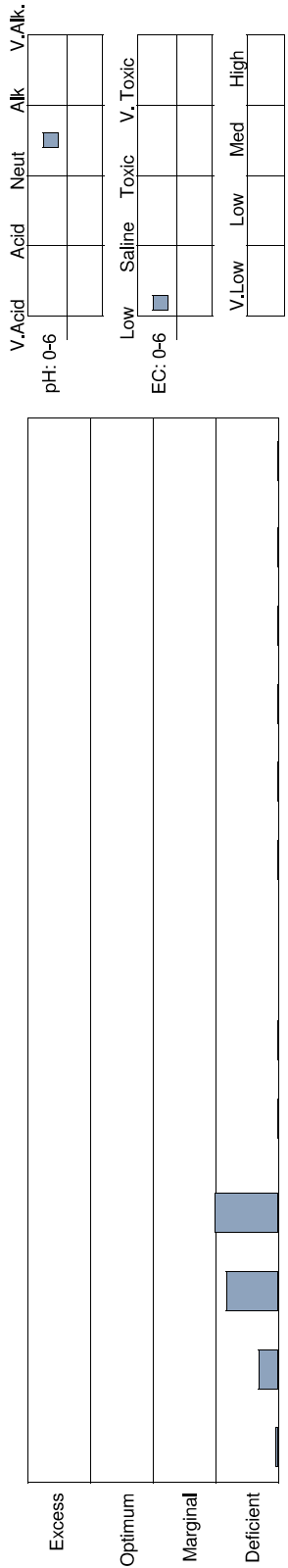
Report To: Four Oak Ag Solutions
 Box 131
 Kleefeld, Manitoba R0A 0V0

Grower: CANADA SHEEP & LAMB
Grower Field Name: 8
Reference Field Name: SW 35-3-8 E1
Legal Location: SW 35-3-8 E1
Total Acres: 160
Sampler: MARCUS

Lot Number: 150424_065
Date Sampled: 2015/04/23
Received Date: 2015/04/24
Date Reported: 2015/04/27

Attention: Marcus Dueck
Client ID: 14-0027

Sample ID	Depth	N	P*	K	S	Ca	Mg	Na	B	Cu	Fe	Mn	Zn	CI	pH	EC	OM
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	dS/m	%	%
150424_065-01	0-6	<1	4.5	61	3										7.5	0.29	
150424_065-02	6-24	<1			<2												



CEC (meq/100g): Ca Base Saturation (%):
Base Saturation (%): K Base Saturation (%):
Sand (%): Silt (%): Clay (%):
Mg Base Saturation (%):
Na Base Saturation (%):
Texture:

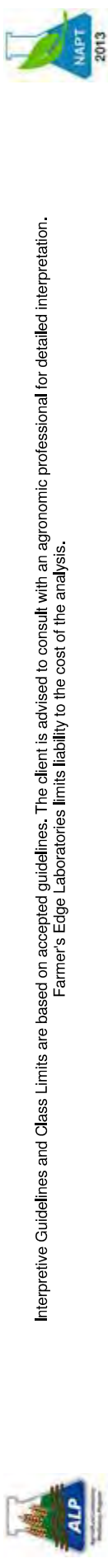
0-6 lb/Ac: 2 9 122 6
6-24 lb/Ac: 2 9 122 8

Total lb/Ac measured: 2 9 122 8
Estimated lb/Ac to 24 inch: 2 9 122 8

Recommendation:

Comments:

* Bicarbonate-Extractable (Olsen) Phosphate



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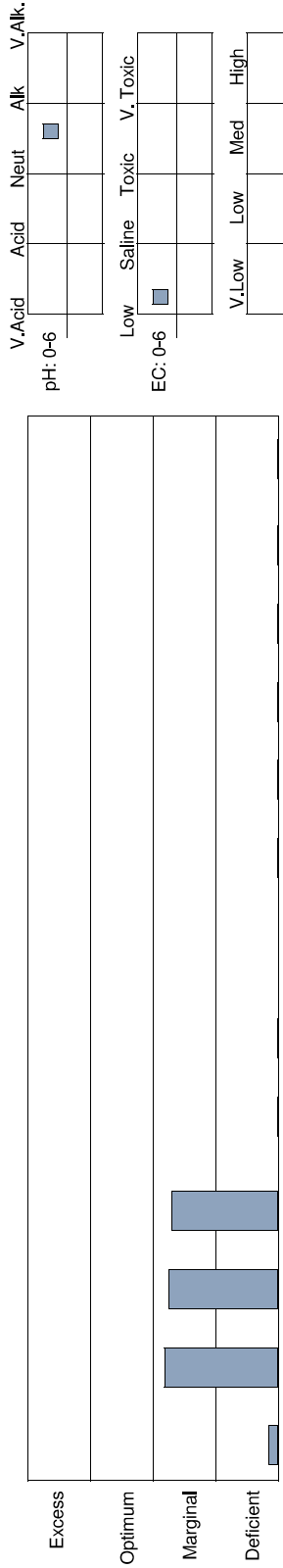
Report To: Four Oak Ag Solutions
 Box 131
 Kleefeld, Manitoba R0A 0V0

Grower: CANADA SHEEP & LAMB
Grower Field Name: 9 WEST HALF
Reference Field Name: NW 28-3-8 E1
Legal Location: 80
Total Acres: 80
Sampler: MARCUS

Lot Number: 150424_066
Date Sampled: 2015/04/23
Received Date: 2015/04/24
Date Reported: 2015/04/27

Attention: Marcus Dueck
Client ID: 14-0027

Sample ID	Depth	N	P*	K	S	Ca	Mg	Na	B	Cu	Fe	Mn	Zn	CI	pH	EC	OM
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	dS/m		%
150424_066-01	0-6	2	23.0	130	5										7.6	0.41	
150424_066-02	6-24	1			2												



0-6 lb/Ac: CEC (meq/100g): Ca Base Saturation (%): Mg Base Saturation (%):
 4 46 260 10
 6-24 lb/Ac: Base Saturation (%): K Base Saturation (%): Na Base Saturation (%):
 7 Sand (%): Silt (%): Clay (%): Texture:

Total lb/Ac measured: 11 46 260 23
 Estimated lb/Ac to 24 inch: 11 46 260 23

Recommendation:
 * Bicarbonate-Extractable (Olsen) Phosphate



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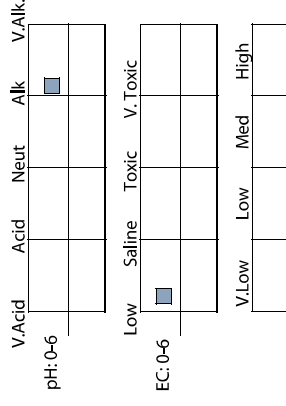
Report To: Four Oak Ag Solutions
 Box 131
 Kleefeld, Manitoba R0A 0V0

Grower: CANADA SHEEP & LAMB
 Grower Field Name: 10
 Reference Field Name: W 1/2 16-3-8 E1
 Legal Location: 320
 Total Acres: MARCUS
 Sampler:

Lot Number: 150424_067
 Date Sampled: 2015/04/23
 Received Date: 2015/04/24
 Date Reported: 2015/04/27

Attention: Marcus Dueck
 Client ID: 14-0027

Sample ID	Depth	N	P*	K	S	Ca	Mg	Na	B	Cu	Fe	Mn	Zn	Cl	pH	EC	OM
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm		dS/m	%
150424_067-01	0-6	<1	7.7	100	6										8.3	0.34	
150424_067-02	6-24	<1			3												



Parameter	Value	Unit
Ca Base Saturation (%)	12	%
K Base Saturation (%)	20	%
Mg Base Saturation (%)		%
Na Base Saturation (%)		%
CEC (meq/100g)		meq/100g
Base Saturation (%)		%
Sand (%)		%
Silt (%)		%
Clay (%)		%
Texture:		

Total lb/Ac measured: 2 15 200 32
 Estimated lb/Ac to 24 inch: 2 15 200 32

Recommendation:

Comments:

* Bicarbonate-Extractable (Olsen) Phosphate



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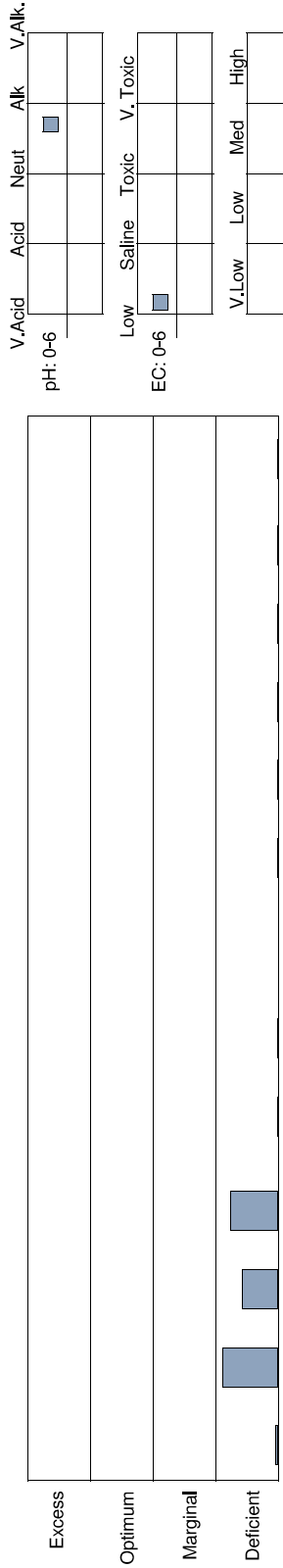
Report To: Four Oak Ag Solutions
 Box 131
 Kleefeld, Manitoba R0A 0V0

Grower: CANADA SHEEP & LAMB
Grower Field Name: 11
Reference Field Name: NE 21-3-8 E1
Legal Location: 160
Total Acres: MARCUS
Sampler:

Lot Number: 150424_068
Date Sampled: 2015/04/23
Received Date: 2015/04/24
Date Reported: 2015/04/27

Attention: Marcus Dueck
Client ID: 14-0027

Sample ID	Depth	N	P*	K	S	Ca	Mg	Na	B	Cu	Fe	Mn	Zn	CI	pH	EC	OM
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	dS/m	%	
150424_068-01	0-6	<1	13.0	42	2										7.7	0.25	
150424_068-02	6-24	<1			<2												



CEC (meq/100g): Ca Base Saturation (%):
Base Saturation (%): K Base Saturation (%):
Sand (%): Silt (%): Clay (%):
Mg Base Saturation (%):
Na Base Saturation (%):
Texture:

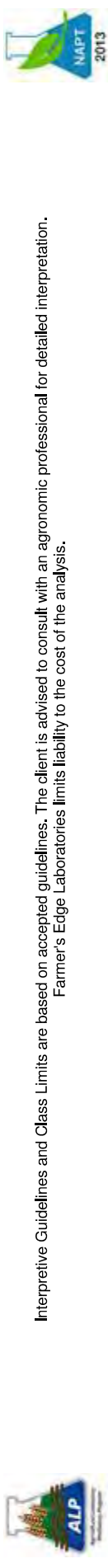
0-6 lb/Ac: N: <2, P: 26, K: 84, S: 4
6-24 lb/Ac: N: <6, P: 26, K: 84, S: <12

Total lb/Ac measured: 2, 26, 84, 6
Estimated lb/Ac to 24 inch: 2, 26, 84, 6

Recommendation:

Comments:

* Bicarbonate-Extractable (Olsen) Phosphate



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 R2J 0H3
 Phone: 1 204 233 4099

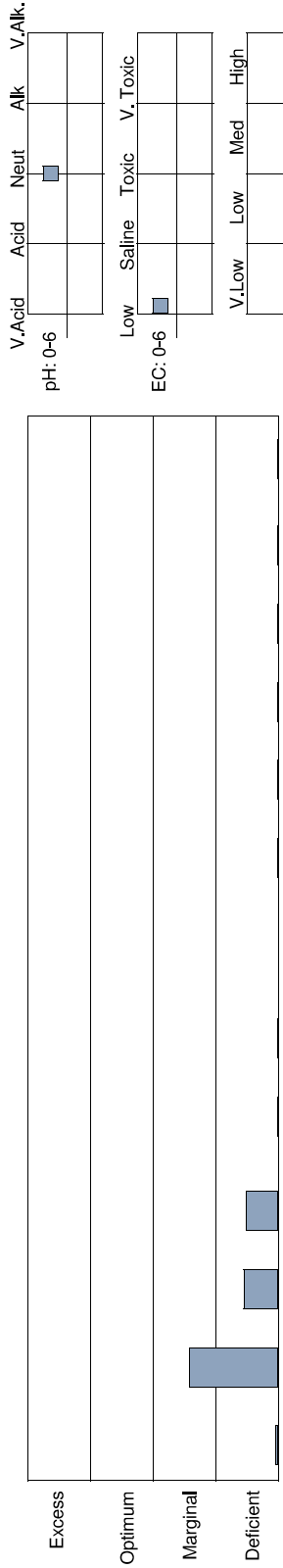
Report To: Four Oak Ag Solutions
 Box 131
 Kleefeld, Manitoba R0A 0V0

Grower: CANADA SHEEP & LAMB
Grower Field Name: 12
Reference Field Name: SE 21-3-8 E1
Legal Location: 80
Total Acres: MARCUS
Sampler:

Lot Number: 150424_069
Date Sampled: 2015/04/23
Received Date: 2015/04/24
Date Reported: 2015/04/27

Attention: Marcus Dueck
Client ID: 14-0027

Sample ID	Depth	N	P*	K	S	Ca	Mg	Na	B	Cu	Fe	Mn	Zn	CI	pH	EC	OM
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm		dS/m	%
150424_069-01	0-6	<1	19.0	40	<2										7.0	0.14	
150424_069-02	6-24	<1	<2	<2													



CEC (meq/100g):
 Base Saturation (%):
 Ca Base Saturation (%):
 K Base Saturation (%):
 Mg Base Saturation (%):
 Na Base Saturation (%):

Sand (%):
 Silt (%):
 Clay (%):
 Texture:

Recommendation:
 * Bicarbonate-Extractable (Olsen) Phosphate



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





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

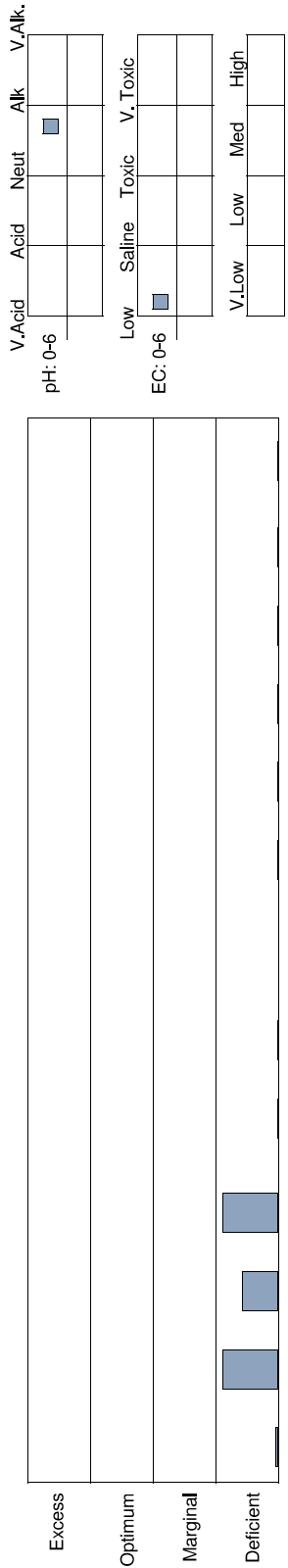
Report To: Four Oak Ag Solutions
 Box 131
 Kleefeld, Manitoba R0A 0V0

Grower: CANADA SHEEP & LAMB
Grower Field Name: 210
Reference Field Name: SE 29-3-8 E1
Legal Location: 80
Total Acres: MARCUS
Sampler:

Lot Number: 150424_070
Date Sampled: 2015/04/23
Received Date: 2015/04/24
Date Reported: 2015/04/27

Attention: Marcus Dueck
Client ID: 14-0027

Sample ID	Depth	N	P*	K	S	Ca	Mg	Na	B	Cu	Fe	Mn	Zn	CI	pH	EC	OM
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	dS/m	%	
150424_070-01	0-6	<1	13.0	42	2										7.7	0.33	
150424_070-02	6-24	<1			<2												



CEC (meq/100g):
 Base Saturation (%):
 Ca Base Saturation (%):
 K Base Saturation (%):
 Mg Base Saturation (%):
 Na Base Saturation (%):

Sand (%): Silt (%): Clay (%):
 Texture:

Recommendation:

* Bicarbonate-Extractable (Olsen) Phosphate



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

Report To: Four Oak Ag Solutions
 Box 131
 Kleeefeld, Manitoba R0A 0V0

Grower: CANADA SHEEP & LAMB

Lot Number: 150424_066

Reference Field Name: NW 21-3-8 E1

Date Sampled: 2015/04/23

Received Date: 2015/04/24

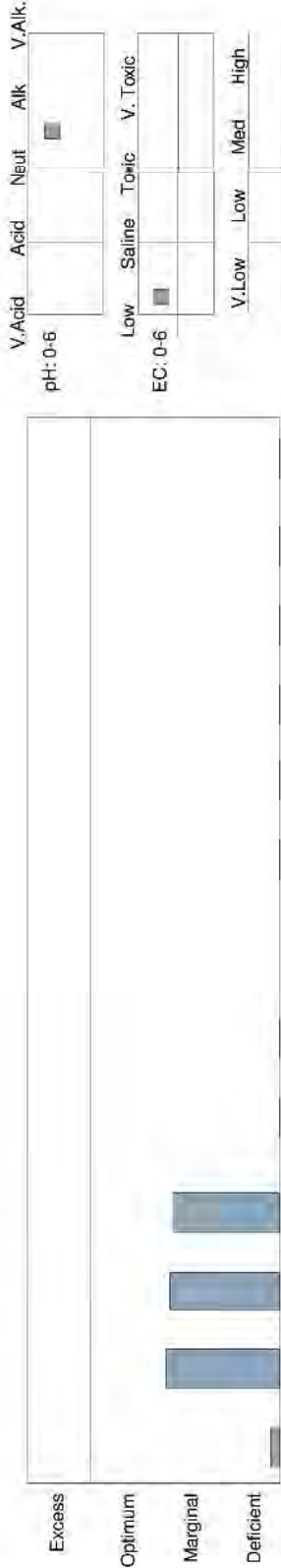
Date Reported: 2015/04/27

Attention: Marcus Dueck

Total Acres: 80

Sampler: MARCUS

Sample ID	Depth	N	P*	K	S	Ca	Mg	Na	B	Cu	Fe	Mn	Zn	Cl	pH	EC	OM
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	dS/m	%	
150424_066-01	0-6	2	23.0	130	5										7.6	0.41	
150424_066-02	6-24	1			2												



CEC (meq/100g): Ca Base Saturation (%):
Base Saturation (%): K Base Saturation (%):
Sand (%): Silt (%): Clay (%):

0-6 lb/Ac: N 4 P 46 K 260 S 10
6-24 lb/Ac: N 7 P 46 K 260 S 13

Total lb/Ac measured: 11 46 260 23
Estimated lb/Ac to 24 inch: 11 46 260 23

Recommendation:

Comments:

* Bicarbonate-Extractable (Olsen) Phosphate



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





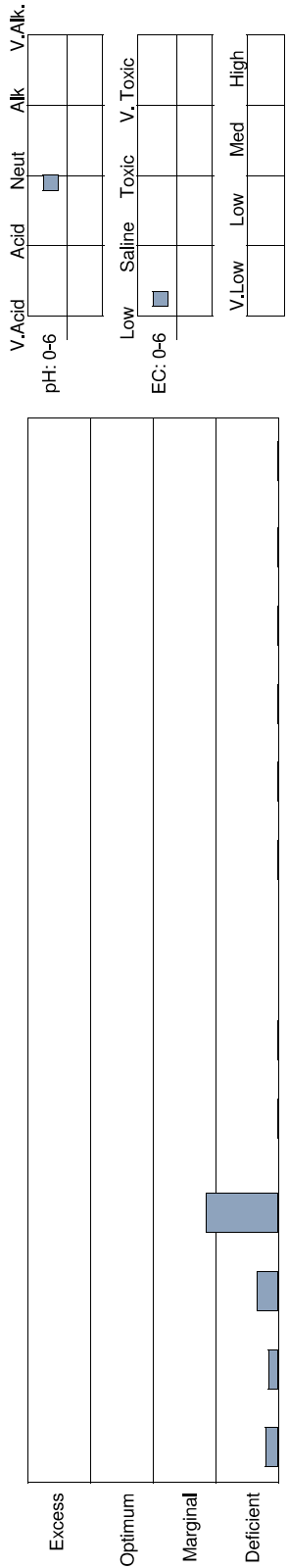
Farmers Edge Laboratories
 1357 Dugald Road
 Winnipeg, Manitoba Canada
 R2J 0H3
 Phone: 1 204 233 4099

Report To: Four Oak Ag Solutions
 Box 131
 Kleefeld, Manitoba R0A 0V0
Attention: Marcus Dueck
Client ID: 14-0027

Grower: CANADA SHEEP & LAMB
Grower Field Name:
Reference Field Name: SE 32-3-8B E1
Legal Location: 80
Total Acres: MARCUS
Sampler:

Lot Number: 150527_021
Date Sampled: 2015/05/27
Received Date: 2015/05/27
Date Reported: 2015/05/28

Sample ID	Depth	N	P*	K	S	Ca	Mg	Na	B	Cu	Fe	Mn	Zn	CI	pH	EC	OM
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	dS/m	%	
150527_021-01	0-6	1	2.2	24	4										6.9	0.42	
150527_021-02	6-24	2	<2														



CEC (meq/100g): Ca Base Saturation (%):
Base Saturation (%): K Base Saturation (%):
Sand (%): Silt (%): Clay (%):
Mg Base Saturation (%):
Na Base Saturation (%):
Texture:

0-6 lb/Ac: 2 4 48 9
6-24 lb/Ac: 13 <12

Total lb/Ac measured: 15 4 48 11
Estimated lb/Ac to 24 inch: 15 4 48 11

Recommendation:

Comments:

* Bicarbonate-Extractable (Olsen) Phosphate

Sylvio Tessier

From: "Friesen, Chris (CWS)" <Chris.Friesen@gov.mb.ca>
Date: Thursday, July 16, 2015 12:01 PM
To: "Sylvio Tessier" <sylvio.tessier@mymts.net>
Subject: FW: Lamb Feedlot Proposal

Sylvio

In response to phone message - I believe the response below is for the same request. If not, please let me know.

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

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

From: Friesen, Chris (CWS)
Sent: May-29-15 1:05 PM
To: 'Sylvio Tessier'
Subject: Lamb Feedlot Proposal

Sylvio

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 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 survey 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 Mar 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 co using Biotics data, as follows as: Data developed by the Manitoba Conservation Data Centre; Wildlife Branch, Manitoba Conservation and Water Stewardship.

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.gov.mb.ca/conservation/cdc/>

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

From:
Sent: May-19-15 8:48 AM
To: Friesen, Chris (CWS)
Subject: WWW Form Submission

Below is the result of your feedback form. It was submitted by WWW Information Request () on Tuesday, May 19, 2015 at 08:48:08

DocumentID: Manitoba_Conservation

Project Title: Lamb Feedlot Proposal

City: Winnipeg

Province/State: MB

Phone: 204-290-7797

Fax: 204-668-9204

Email: sylvio.tessier@mymts.net

Project Description: Hi Chris,

We're working on a proposal for a new livestock operation in the RM of Stuartburn. Could you please verify if there would be any rare or endangered species on that quarter section or general area?

We're a bit behind the ball with this one, so if you can squeeze this request in good time, we'd be much obliged.

Thanks.

Sylvio Tessier, P.Eng.
South-Man Engineering.

Information Requested: Any potential endangered species that could be affected

Format Requested: E-mail is fine

Location: SW28-3-8E

action: Submit
