



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

Report To: Hyline Pumping
 5 Fabas Street
 La Broquerie, MB R0A 0W0

Grower: Rourke
Grower Field Name: GBNW 13160
Reference Field Name:
Legal Location: NW 13-5-22 W1
Total Acres: 160
Sampler: Redhand

Lot Number: 200420_006
Date Sampled: 2020/04/17
Received Date: 2020/04/20
Date Reported: 2020/04/21

Attention: Kieran Hamm
Client ID: 10-0002

Sample ID	Depth	N ppm	P* ppm	K ppm	S ppm	Ca ppm	Mg ppm	Na ppm	B ppm	Cu ppm	Fe ppm	Mn ppm	Zn ppm	Cl ppm	pH	EC dS/m	OM %
200420_006-01	0-6	8	7.4	260	140										7.4	1.28	
200420_006-02	6-24	5			760												



	V. Acid	Acid	Neut	Alk	V. Alk.
pH: 0-6			■		
	Low	Saline	Toxic	V. Toxic	
EC: 0-6	■				
	V. Low	Low	Med	High	

	N	P	K	S
0-6 lb/Ac:	15	15	520	280
6-24 lb/Ac:	29			4560

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

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

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

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

Texture:

Total lb/Ac measured:	44	15	520	4840
Estimated lb/Ac to 24 inch:	44			4840

Recommendation:	Comments: Previous Crop:Soybeans
	* Bicarbonate-Extractable (Olsen) Phosphate



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Grower: Rourke
Grower Field Name: GBNE 13160
Reference Field Name:
Legal Location: NE 13-5-22 W1

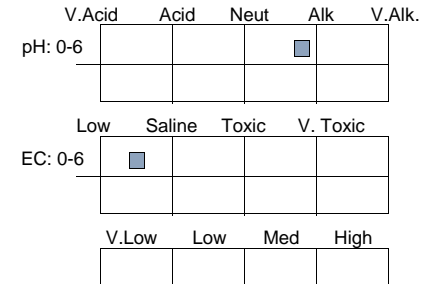
Lot Number: 200420_007
Date Sampled: 2020/04/17
Received Date: 2020/04/20
Date Reported: 2020/04/21

Attention: Kieran Hamm

Total Acres:
Sampler: Redhand

Client ID: 10-0002

Sample ID	Depth	N ppm	P* ppm	K ppm	S ppm	Ca ppm	Mg ppm	Na ppm	B ppm	Cu ppm	Fe ppm	Mn ppm	Zn ppm	Cl ppm	pH	EC dS/m	OM %
200420_007-01	0-6	5	12.0	320	110										7.8	0.95	
200420_007-02	6-24	5			390												



	N	P	K	S
0-6 lb/Ac:	11	24	640	220
6-24 lb/Ac:	32			2340

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

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

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

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

Texture:

Total lb/Ac measured: 43 24 640 2560
 Estimated lb/Ac to 24 inch: 43 2560

Recommendation:	Comments: Previous Crop:Soybeans
	* Bicarbonate-Extractable (Olsen) Phosphate



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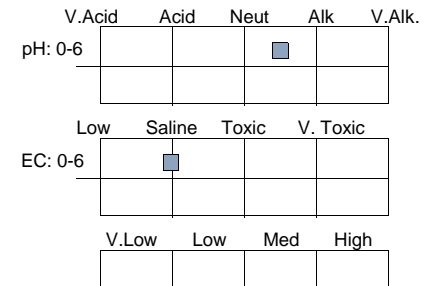
Grower: Rourke
Grower Field Name: GBSW 13160
Reference Field Name:
Legal Location: SW 13-5-22 W1

Lot Number: 200420_008
Date Sampled: 2020/04/17
Received Date: 2020/04/20
Date Reported: 2020/04/21

Attention: Kieran Hamm
Client ID: 10-0002

Total Acres:
Sampler: Redhand

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 %
200420_008-01	0-6	5	9.6	260	280										7.5	1.95	
200420_008-02	6-24	3			490												



	N	P	K	S	CEC (meq/100g):	Ca Base Saturation (%):	Mg Base Saturation (%):
0-6 lb/Ac:	10	19	520	560	Base Saturation (%):	K Base Saturation (%):	Na Base Saturation (%):
6-24 lb/Ac:	20			2940	Sand (%):	Silt (%):	Clay (%):
							Texture:
Total lb/Ac measured:	30	19	520	3500			
Estimated lb/Ac to 24 inch:	30			3500			

Recommendation:	Comments: Previous Crop: Chickpeas
	* Bicarbonate-Extractable (Olsen) Phosphate



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Report To: Hyline Pumping
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Grower: Rourke
Grower Field Name: GBSE 13160
Reference Field Name:
Legal Location: SE 13-5-22 W1

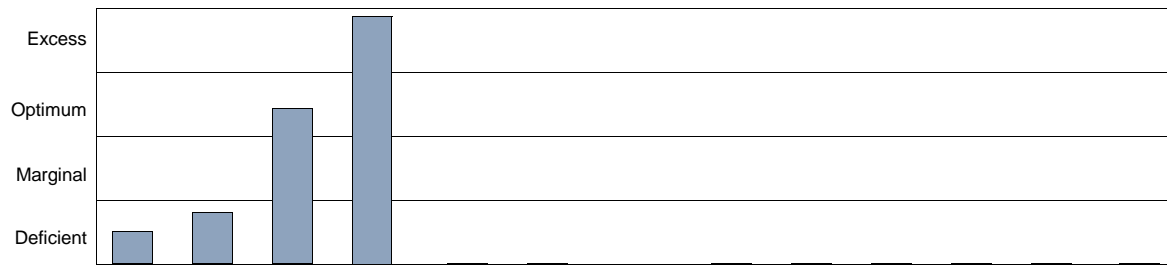
Lot Number: 200420_009
Date Sampled: 2020/04/17
Received Date: 2020/04/20
Date Reported: 2020/04/21

Attention: Kieran Hamm

Total Acres:
Sampler: Redhand

Client ID: 10-0002

Sample ID	Depth	N ppm	P* ppm	K ppm	S ppm	Ca ppm	Mg ppm	Na ppm	B ppm	Cu ppm	Fe ppm	Mn ppm	Zn ppm	Cl ppm	pH	EC dS/m	OM %
200420_009-01	0-6	4	12.0	300	150										7.7	1.20	
200420_009-02	6-24	5			310												



	V. Acid	Acid	Neut	Alk	V. Alk.
pH: 0-6				█	
	Low	Saline	Toxic	V. Toxic	
EC: 0-6	█				
	V. Low	Low	Med	High	

	N	P	K	S
0-6 lb/Ac:	8	24	600	300
6-24 lb/Ac:	32			1860

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

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

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

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

Texture:

Total lb/Ac measured: 40 24 600 2160
 Estimated lb/Ac to 24 inch: 40 2160

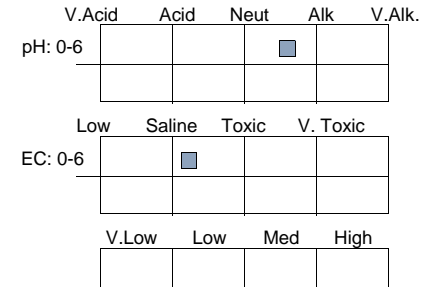
Recommendation:	Comments: Previous Crop: Chickpeas
	* Bicarbonate-Extractable (Olsen) Phosphate



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Report To: Hyline Pumping 5 Fabas Street La Broquerie, MB R0A 0W0	Grower: Tufts Grower Field Name: GBNW 14160 Reference Field Name: Legal Location: NW 14-5-22 W1	Lot Number: 200420_010 Date Sampled: 2020/04/17 Received Date: 2020/04/20 Date Reported: 2020/04/21
Attention: Kieran Hamm Client ID: 10-0002	Total Acres: 160 Sampler: Redhand	

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 %
200420_010-01	0-6	6	20.0	300	420										7.6	2.46	
200420_010-02	6-24	5			610												



	N	P	K	S	CEC (meq/100g):	Ca Base Saturation (%):	Mg Base Saturation (%):
0-6 lb/Ac:	11	40	600	840	Base Saturation (%):	K Base Saturation (%):	Na Base Saturation (%):
6-24 lb/Ac:	31			3660	Sand (%):	Silt (%):	Clay (%):
Total lb/Ac measured:	42	40	600	4500			Texture:
Estimated lb/Ac to 24 inch:	42			4500			

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



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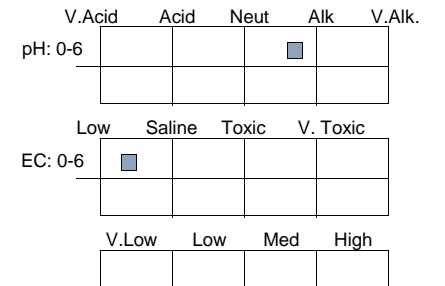
Report To: Hyline Pumping
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 La Broquerie, MB R0A 0W0

Grower: Tufts
Grower Field Name: GBNW 19153
Reference Field Name:
Legal Location: NW 19-5-21 W1
Total Acres: 153
Sampler: Redhand

Lot Number: 200420_011
Date Sampled: 2020/04/17
Received Date: 2020/04/20
Date Reported: 2020/04/21

Attention: Kieran Hamm
Client ID: 10-0002

Sample ID	Depth	N ppm	P* ppm	K ppm	S ppm	Ca ppm	Mg ppm	Na ppm	B ppm	Cu ppm	Fe ppm	Mn ppm	Zn ppm	Cl ppm	pH	EC dS/m	OM %
200420_011-01	0-6	6	7.0	240	7										7.7	0.72	
200420_011-02	6-24	3			12												



0-6 lb/Ac:	N: 11	P: 14	K: 480	S: 15	CEC (meq/100g):	Ca Base Saturation (%):	Mg Base Saturation (%):
6-24 lb/Ac:	N: 18			S: 72	Base Saturation (%):	K Base Saturation (%):	Na Base Saturation (%):

Total lb/Ac measured:	N: 29	P: 14	K: 480	S: 87
Estimated lb/Ac to 24 inch:	N: 29			S: 87

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

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



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Grower: Tufts
Grower Field Name: GBSW 19160
Reference Field Name:
Legal Location: SW 19-5-21 W1
Total Acres: 160
Sampler: Redhand

Lot Number: 200420_012
Date Sampled: 2020/04/17
Received Date: 2020/04/20
Date Reported: 2020/04/21

Attention: Kieran Hamm
Client ID: 10-0002

Sample ID	Depth	N ppm	P* ppm	K ppm	S ppm	Ca ppm	Mg ppm	Na ppm	B ppm	Cu ppm	Fe ppm	Mn ppm	Zn ppm	Cl ppm	pH	EC dS/m	OM %
200420_012-01	0-6	8	8.4	280	8										7.9	0.53	
200420_012-02	6-24	4			11												



	V. Acid	Acid	Neut	Alk	V. Alk.
pH: 0-6				■	
	Low	Saline	Toxic	V. Toxic	
EC: 0-6	■				
	V. Low	Low	Med	High	

	N	P	K	S	CEC (meq/100g):	Ca Base Saturation (%):	Mg Base Saturation (%):
0-6 lb/Ac:	16	17	560	15	Base Saturation (%):	K Base Saturation (%):	Na Base Saturation (%):
6-24 lb/Ac:	22			66			

Total lb/Ac measured:	38	17	560	81
Estimated lb/Ac to 24 inch:	38			81

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

Recommendation:	Comments:

* Bicarbonate-Extractable (Olsen) Phosphate



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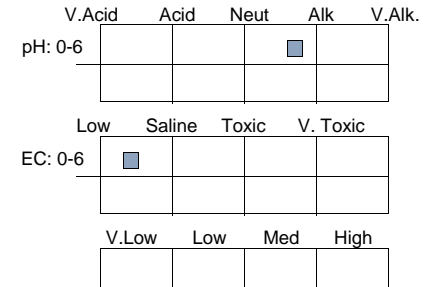
Report To: Hyline Pumping
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Grower: Tufts
Grower Field Name: GBNE 25160
Reference Field Name:
Legal Location: NE 25-5-22 W1
Total Acres: 160
Sampler: Redhand

Lot Number: 200420_013
Date Sampled: 2020/04/17
Received Date: 2020/04/20
Date Reported: 2020/04/21

Attention: Kieran Hamm
Client ID: 10-0002

Sample ID	Depth	N ppm	P* ppm	K ppm	S ppm	Ca ppm	Mg ppm	Na ppm	B ppm	Cu ppm	Fe ppm	Mn ppm	Zn ppm	Cl ppm	pH	EC dS/m	OM %
200420_013-01	0-6	6	17.0	290	110										7.7	0.78	
200420_013-02	6-24	3			13												



	N	P	K	S	CEC (meq/100g):	Ca Base Saturation (%):	Mg Base Saturation (%):
0-6 lb/Ac:	11	34	580	220	Base Saturation (%):	K Base Saturation (%):	Na Base Saturation (%):
6-24 lb/Ac:	16			78			

Total lb/Ac measured:	27	34	580	298
Estimated lb/Ac to 24 inch:	27			298

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

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



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Grower: Rourke
Grower Field Name: GBNW 30148
Reference Field Name:
Legal Location: NW 30-5-21 W1
Total Acres: 148
Sampler: Redhand

Lot Number: 200420_015
Date Sampled: 2020/04/17
Received Date: 2020/04/20
Date Reported: 2020/04/21

Attention: Kieran Hamm
Client ID: 10-0002

Sample ID	Depth	N ppm	P* ppm	K ppm	S ppm	Ca ppm	Mg ppm	Na ppm	B ppm	Cu ppm	Fe ppm	Mn ppm	Zn ppm	Cl ppm	pH	EC dS/m	OM %
200420_015-01	0-6	6	3.8	260	6										8.3	0.48	
200420_015-02	6-24	1			10												



	V. Acid	Acid	Neut	Alk	V. Alk.
pH: 0-6				█	
	Low	Saline	Toxic	V. Toxic	
EC: 0-6	█				
	V. Low	Low	Med	High	

	N	P	K	S	CEC (meq/100g):	Ca Base Saturation (%):	Mg Base Saturation (%):
0-6 lb/Ac:	12	8	520	13	Base Saturation (%):	K Base Saturation (%):	Na Base Saturation (%):
6-24 lb/Ac:	7			60	Sand (%):	Silt (%):	Clay (%):
							Texture:
Total lb/Ac measured:	19	8	520	73			
Estimated lb/Ac to 24 inch:	19			73			

Recommendation:	Comments: Previous Crop:Oats
	* Bicarbonate-Extractable (Olsen) Phosphate



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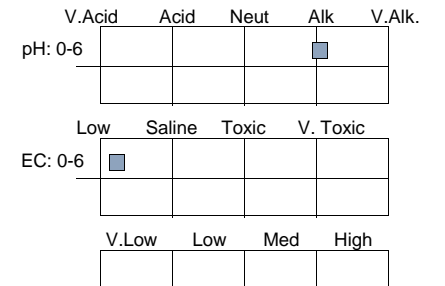
Report To: Hyline Pumping
 5 Fabas Street
 La Broquerie, MB R0A 0W0

Grower: Tufts
Grower Field Name: GBSW 25156
Reference Field Name:
Legal Location: SW 25-5-22 W1
Total Acres: 156
Sampler: Redhand

Lot Number: 200420_014
Date Sampled: 2020/04/17
Received Date: 2020/04/20
Date Reported: 2020/04/21

Attention: Kieran Hamm
Client ID: 10-0002

Sample ID	Depth	N ppm	P* ppm	K ppm	S ppm	Ca ppm	Mg ppm	Na ppm	B ppm	Cu ppm	Fe ppm	Mn ppm	Zn ppm	Cl ppm	pH	EC dS/m	OM %
200420_014-01	0-6	7	9.0	240	7										8.1	0.37	
200420_014-02	6-24	4			8												



0-6 lb/Ac:	N: 13	P: 18	K: 480	S: 13	CEC (meq/100g):	Ca Base Saturation (%):	Mg Base Saturation (%):
6-24 lb/Ac:	N: 21	P: 18	K: 480	S: 50	Base Saturation (%):	K Base Saturation (%):	Na Base Saturation (%):

Total lb/Ac measured:	N: 34	P: 18	K: 480	S: 63
Estimated lb/Ac to 24 inch:	N: 34	P: 18	K: 480	S: 63

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

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



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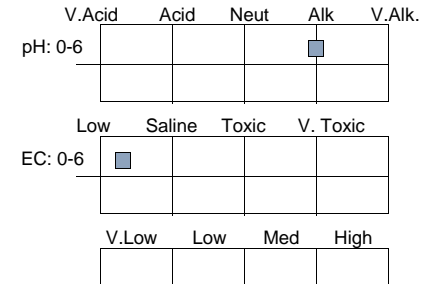
Report To: Hyline Pumping
 5 Fabas Street
 La Broquerie, MB R0A 0W0

Grower: Rourke
Grower Field Name: GBNE 30139
Reference Field Name:
Legal Location: NE 30-5-21 W1
Total Acres: 139
Sampler: Redhand

Lot Number: 200420_016
Date Sampled: 2020/04/17
Received Date: 2020/04/20
Date Reported: 2020/04/21

Attention: Kieran Hamm
Client ID: 10-0002

Sample ID	Depth	N ppm	P* ppm	K ppm	S ppm	Ca ppm	Mg ppm	Na ppm	B ppm	Cu ppm	Fe ppm	Mn ppm	Zn ppm	Cl ppm	pH	EC dS/m	OM %
200420_016-01	0-6	7	4.0	180	3										8.0	0.55	
200420_016-02	6-24	3			3												



0-6 lb/Ac:	N: 14	P: 8	K: 360	S: 6	CEC (meq/100g):	Ca Base Saturation (%):	Mg Base Saturation (%):
6-24 lb/Ac:	N: 16			S: 15	Base Saturation (%):	K Base Saturation (%):	Na Base Saturation (%):

Total lb/Ac measured:	N: 30	P: 8	K: 360	S: 21
Estimated lb/Ac to 24 inch:	N: 30			S: 21

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

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