					SO	IL TE	ST	REPOF	RT					N			
Soil Analysis b (http://w Northwood	y Agvise Laborator ww.agvise.com) : (701) 587-6010 (320) 843-4109	ies	5 F C T	TIELD SAMPL TIELD COUNT TWP SECTIO PREV.	E ID NAME Y ON	NE17 2 17	QTR	RANGE 2 NE A		163	۷	v 					E
SUBM Proposed SE-17-2	ITTED FOR: -23		5	5 FAB 30X 1).		D BY:		51	REF =		69005 V2633)X #	318	0
Date Sampled						C	Date Re	eceived	12/1	4/202	1		Da	ite Re	porte	ed 12/ 3	15/202
Nutrient In	The Soil	In	terp	retati	on	1s	t Cro	p Choic	e	2n	d Cro	p Choic	e	3r	d Cı	op Cho	ice
0-6" 6-24"	20 lb/acre 42 lb/acre	VLow	Low	Med				BU			YIELD	-Spring GOAL BU			YIE	ss/Pasture LD GOAL Tons	
0-24''	62 lb/acre					SUG	GESTED	GUIDELIN	NES	SUGO		GUIDELIN	ES	SUG	GEST	ED GUIDE	LINES
Nitrate							Ba	and			Ba	ind				Band	
Olsen	8 ppm	*****				LB/A	CRE	APPLICA	TION	LB/A	CRE	APPLICA	TION	LB/A	CRE	APPLI	CATION
Phosphorus	5 pp	*****	*****			N	113			N	100			Ν	58		
Potassium	349 ppm	*****	*****	*****	*****	P ₂ O ₅	43	Band	*	P ₂ O ₅	35	Band ³	ĸ	P ₂ O ₅	28	Bar	nd *
Chloride						K ₂ O	0			K ₂ O	10	Band (Starter		K ₂ O	0		
0-6" 6-24"	34 lb/acre 48 lb/acre				*	CI				CI				CI			
Sulfur						S	10	Band		S	0			S	0		
Joron						В				В				В			
Zinc						Zn				Zn				Zn			
Manganese						Fe				Fe				Fe			
Copper						Mn				Mn				Mn			
Magnesium						Cu				Cu				Cu			
Calcium						Mg				Mg				Mg			
Sodium										-						_	
Org.Matter						Lime				Lime				Lime			
Carbonate(CCE)						Soil p	он в	uffer pH		on Excl Capacit						pical Ra	
0-6" 6-24" Sol. Salts	0.39 mmho/cm 0.38 mmho/cm	*****				0-6" 7 6-24" 8				capacit	·y	% Ca	% M	9 %	δK	% Na	% H

Crop 2: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.

					SO	IL TE	EST I	REPOF	RT					Ņ			
	by Agvise Laborator	ies	5	FIELD SAMPL FIELD	E ID	NW17							· 		 		
Northwood	ww.agvise.com) 1: (701) 587-6010 (320) 843-4109		۲ ع	COUNT FWP SECTIO PREV.	: NC	2 17	QTR	RANGE 2 NW A	23-W	99	V	V 					E
SUBM Proposed SE-17-2	IITTED FOR: 2-23		5	5 FAB 30X 1				d by: Roa (51	REF :		69000 V2633)X #	314	8
Date Sampled						C	Date Re	eceived	12/1	4/202	1		D	ate Re	porte	ed 12/ 3	15/202
Nutrient Ir	n The Soil	In VLow	_	retati	on High	1s		p Choic	9	2n		p Choice	e	Зr		op Cho	
0-6" 6-24"	20 lb/acre 42 lb/acre			*****			YIELD	BU			YIELD	GOAL			YIE	LD GOAL	
0-24'' Nitrate	62 lb/acre					SUGO		GUIDELIN	IES	SUGO		GUIDELIN	ES	SUG		ED GUIDE Band	LINES
						LB/A		APPLICA	TION	LB/A		APPLICA	FION	LB/A	ACRE		CATION
Olsen Phosphorus	11 ppm	*****	*****	******		N	113			N	100			Ν	58	_	
Potassium	307 ppm	*****	*****	******	*****	P ₂ O ₅ K ₂ O	35 0	Band	*	P ₂ O ₅ K ₂ O	29 10	Band ' Banc (Starter	1	P ₂ O ₅ K ₂ O	21 0	Bar	nd *
0-6" 6-24"	32 lb/acre 300 lb/acre				*****	CI				CI				CI			
Sulfur Boron						S	10	Band		S	0			S	0	_	
Zinc						B Zn				B Zn				B Zn		_	
Iron						Fe				Fe				Fe			
Manganese						Mn				Mn				Mn			
Copper Magnesium						Cu				Cu				Cu		_	
Calcium						Mg				Mg				Mg		_	
Sodium						Lime				Lime				Lime			
Org.Matter						Linte						0/ 8-			- (T	union I D-	
Carbonate(CCE)						Soil p	DH B	uffer pH		on Excl Capacit		% Ba % Ca	se Sat % M		n (Ty 6 K	/pical Ra % Na	nge) % H
0-6" 6-24" Sol. Salts	0.39 mmho/cm 0.59 mmho/cm			***		0-6" 7 6-24" 8											

Crop 2: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.

					SO	IL TE	ST	REPOF	RT					N			
Soil Analysis b (http://w Northwood	Agvise Laborator ww.agvise.com) : (701) 587-6010 (320) 843-4109	ies	5 F (T	TIELD SAMPL TIELD COUNT TWP SECTIO PREV.	LE ID NAME TY ON	SW17 2 17	QTR	RANGE 2 SW A	2 3-W Acres	149	v	v 					E
SUBM Proposed SE-17-2	ITTED FOR: -23		S E	5 FAB 30X 1).		D BY:		51	REF =		69007 V2633)X #	314	8
Date Sampled						C	Date Re	eceived	12/14	4/202	1		Da	ite Re	porte	ed 12/ 3	15/202
Nutrient In	The Soil	In	terp	retati		1s	t Cro	p Choic	e	2n	d Cro	p Choic	e	3r	d Cr	op Cho	ice
0-6" 6-24"	14 lb/acre 12 lb/acre	VLow *****	Low	Med	High			ola-bu D GOAL BU			YIELD	-Spring GOAL BU			YIE	s/Pasture LD GOAL Tons	!
0-24'' Nitrate	26 lb/acre					SUG		O GUIDELIN	NES	SUGC		GUIDELIN	ES	SUG		ED GUIDE Band	LINES
						LB/A	CRE	APPLICA	TION	LB/A		APPLICA	FION	LB/A	CRE		CATION
Olsen Phosphorus	7 ppm	*****	*****	k		N	149			N	136			Ν	94		
Potassium Chloride	328 ppm	*****	*****	******	******	P ₂ O ₅ K ₂ O	45 0	Band	*	P ₂ O ₅ K ₂ O	37 10	Band Band Band Band Band Band	1	P ₂ O ₅ K ₂ O	31 0	Bar	nd *
0-6" 6-24"	10 lb/acre 42 lb/acre			******	*****	CI				CI				CI			
Sulfur Boron						S	17	Band		S	7	Band (Tr	ial)	S	7	Band	(Trial)
Zinc						В				В				В		_	
Iron						Zn				Zn				Zn			
Manganese						Fe				Fe				Fe		_	
Copper						Mn				Mn				Mn		_	
Magnesium						Cu				Cu				Cu			
Calcium						Mg				Mg				Mg			
Sodium						Lime				Lime				Lime			
Org.Matter						Cell			Cati	on Excl	nange	% Ba	se Satı	uratio	n (Ty	pical Ra	nge)
Carbonate(CCE)	0.34 mmho/cm					Soil p		Suffer pH		Capacit		% Ca	% M	g %	δK	% Na	% H
6-24" Sol. Salts	0.35 mmho/cm	*****	**			6-24" 8											

Crop 2: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.

					SO	IL TE	ST	REPOF	RT					N			
Soil Analysis b	Agvise Laborator	ies	S		.e ID NAME	SE17							- - - - - -				
Northwood	vww.agvise.com) d: (701) 587-6010 (320) 843-4109		٦ ع	COUNT FWP SECTIO PREV.	ON :	2 17	QTR	RANGE 2 Se A		109	V	V 					E
SUBM Proposed SE-17-2	IITTED FOR: 2-23		5 E	5 FAB 30X 1).		d by: Roa (51	REF ; LAB ;		69008 V2633		DX #	317	'3
Date Sampled						C	Date Re	eceived	12/1	4/202	L		Di	ate Re	porte	ed 12/ :	15/202
Nutrient Ir	n The Soil	In VLow	-	r etati _{Med}		1s		p Choic	2	2n	d Cro Wheat-	p Choic	e	3r		op Cho s/Pasture	
0-6" 6-24"	25 lb/acre 33 lb/acre			*****				BU			YIELD	GOAL			YIE	LD GOAL Tons	
0-24''	58 lb/acre					SUG		O GUIDELIN	IES	SUGC		GUIDELIN	ES	SUG		ED GUIDE Band	LINES
						LB/A		APPLICA	TION	LB/A		APPLICA	FION	LB/A	CRE		CATION
Olsen Phosphorus	11 ppm	*****	*****	******		N	117			N	104			N	62		
Potassium	372 ppm	*****	*****	******	*****	P ₂ O ₅ K ₂ O	35 0	Band	*	P ₂ O ₅ K ₂ O	29 10	Band Band		P ₂ O ₅ K ₂ O	21 0	Bar	nd *
Chloride 0-6" 6-24"	46 lb/acre 90 lb/acre					CI				CI		(Starteı	·)*	CI			
Sulfur						S	10	Band		S	0			S	0		
Boron Zinc						В				В				В			
ron						Zn				Zn				Zn			
1anganese						Fe				Fe				Fe			
Copper						Mn				Mn				Mn			
Magnesium						Cu				Cu				Cu			
Calcium						Mg				Mg				Mg			
Sodium						Lime				Lime				Lime			
Org.Matter						Soil p	и в	uffer pH	Cati	on Exch	ange	% Ba	se Sat	uratio	n (Ty	pical Ra	nge)
Carbonate(CCE) 0-6" 6-24" Sol. Salts	0.51 mmho/cm 0.44 mmho/cm	*****		k		0-6" 7 6-24" 8	·.4			Capacit	y	% Ca	% M	lg %	K	% Na	% H

Crop 2: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.

					SO	IL TE	ST	REPOF	RT					N			
Soil Analysis b (http://w Northwood	y Agvise Laborator ww.agvise.com) I: (701) 587-6010 (320) 843-4109	ies	S F C T	FIELD SAMPL FIELD COUNT TWP SECTIO PREV.	E ID NAME Y ON	NE18 2 18	QTR	RANGE 2 NE 4		131	۷	v 					E
SUBM Proposed SE-17-2	ITTED FOR: - 23		5	5 FAB 30X 1				d by: Roa (51	REF : LAB :		69009 V2633)X #	318	8
Date Sampled						C	Date Re	eceived	12/1	4/202	L		Da	ite Re	porte	ed 12/ 3	15/202
Nutrient In	The Soil	In	terp	retati		15	t Cro	p Choic	e	2n	d Cro	p Choice	e	3r	d Cr	op Cho	ice
0-6" 6-24"	14 lb/acre 21 lb/acre	VLow *****	Low	Med	High			BU			YIELD	-Spring GOAL BU			YIE	s/Pasture LD GOAL Tons	
0-24'' Nitrate	35 lb/acre					SUG		GUIDELIN	NES	SUGO		GUIDELIN	ES	SUG		ED GUIDE Band	LINES
						LB/A	CRE	APPLICA	TION	LB/A	CRE	APPLICAT	TION	LB/A	CRE	APPLI	CATION
Olsen Phosphorus	17 ppm	*****	*****	******	*****	N	140			N	127			N	85		
Potassium Chloride	334 ppm	*****	*****	******	*****	P ₂ O ₅ K ₂ O	20 0	Band	*	P ₂ O ₅ K ₂ O	17 10	Band ³ Band (Starter	1	P ₂ O ₅ K ₂ O	6 0	Bar	nd *
0-6" 6-24"	120 +lb/acre 360 +lb/acre					CI				CI				CI			
Sulfur						S	10	Band		S	0			S	0		
3oron Zinc						В				В				В			
Iron						Zn				Zn				Zn			
Manganese						Fe				Fe				Fe			
Copper						Mn				Mn				Mn			
Magnesium						Cu				Cu				Cu			
Calcium						Mg				Mg				Mg			
Sodium						Lime				Lime				Lime			
Org.Matter								1	Cati	on Excl	ange	% Ba	se Sati	uratio	n (Tv	pical Ra	nge)
Carbonate(CCE)						Soil p	DH B	uffer pH		Capacit		% Ca	% M		δ K	% Na	% H
0-6" 6-24" Sol. Salts	0.62 mmho/cm 0.62 mmho/cm	*****				0-6" 7 6-24" 8											

Crop 2: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.

					SO	IL TE	EST I	REPOF	۲					N			
Soil Analysis b (http://w Northwood	y Agvise Laborator ww.agvise.com) 4: (701) 587-6010 (320) 843-4109	ies	S F C T	FIELD SAMPL FIELD COUNT FWP SECTIO PREV.	E ID NAME Y ON	SE18 2 18	QTR	RANGE 2 SE /		136	۷	v 					E
SUBM Proposed SE-17-2	ITTED FOR: 2-23		5	5 FAB 30X 1				d by: Roa (51	REF : LAB :		69010 V2633		DX #	310	4
Date Sampled						D	Date Re	eceived	12/1	4/202	1		Da	ate Re	porte	ed 12/ 3	15/202
Nutrient In	The Soil	In	terp	retati		1s	t Cro	p Choic	9	2n	d Cro	p Choic	e	3r	d Cr	op Cho	oice
0-6" 6-24"	17 lb/acre 15 lb/acre	VLow *****	Low	Med	High			BU			YIELD	-Spring GOAL BU			YIE	s/Pasture LD GOAL Tons	
0-24''	32 lb/acre					SUGO		GUIDELIN	IES	SUGO		GUIDELIN	ES	SUG		ED GUIDE	LINES
Nitrate						IB/A		APPLICA	TION	LB/A		APPLICA	ΓΙΟΝ	LB/A	CRE	Band APPLT	CATION
Olsen	25 ppm	*****	*****	*****	*****	N	143			N	130			N	88		
Phosphorus Potassium	406 ppm	*****	*****	*****	*****	P ₂ O ₅	10	Ban (Starte		P ₂ O ₅	15	Band (Starter		P ₂ O ₅	0		
Chloride						K ₂ O	0			K ₂ O	10	Band (Starter		K20	0		
0-6" 6-24" Sulfur	18 lb/acre 54 lb/acre				*****	CI				CI				CI			
Boron						S	15	Band		S	5	Band (Tr	ial)	S	5	Band	(Trial)
Zinc						В				В				В			
Iron						Zn				Zn				Zn			
Manganese						Fe				Fe				Fe			
Copper						Mn				Mn				Mn			
Magnesium						Cu				Cu				Cu			
Calcium						Mg				Mg				Mg		_	
Sodium						Lime				Lime				Lime			
Org.Matter Carbonate(CCE)						Soil p	oH B	uffer pH		on Excl						pical Ra	
0-6" 6-24" Sol. Salts	0.39 mmho/cm 0.38 mmho/cm	*****				0-6" 7 6-24" 8	v.9			Capacit	S y	% Ca	% M	g %	K	% Na	% H

Crop 2: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.

					SO	IL TE	ST	REPOF	۲					N			
Soil Analysis b (http://w Northwood	y Agvise Laborator ww.agvise.com) 1: (701) 587-6010 (320) 843-4109	ies	S F C T	FIELD SAMPL FIELD COUNT COUNT FWP SECTIO PREV.	E ID NAME Y ON	NW8 2 8	QTR	RANGE 2 NW A	2 3-W ACRES	109	۷	v 					E
SUBM Proposed SE-17-2	ITTED FOR: - 23		5	5 FAB 30X 1				d by:		51	REF =		69011 V2633)X #	317	3
Date Sampled						C	ate Re	eceived	12/14	4/202	1		Da	ite Re	porte	d 12/ 3	15/202
Nutrient In	The Soil	In	terp	retati		1s	t Cro	p Choice	9	2n	d Cro	p Choice	e	3r	d Cr	op Cho	ice
0-6" 6-24"	25 lb/acre 33 lb/acre	VLow *****	Low	Med				BU			YIELD	-Spring GOAL BU			YIEL	s/Pasture D GOAL Tons	
0-24'' Nitrate	58 lb/acre					SUG		GUIDELIN	IES	SUGO		GUIDELIN	ES	SUG		D GUIDE 3and	LINES
01	12					LB/A	CRE	APPLICA	TION	LB/A	CRE	APPLICA	TION	LB/A	CRE	APPLI	CATION
Olsen Phosphorus Potassium	13 ppm			******		N	117			N	104			N	62		•
Chloride	494 ppm	*****	*****	*****	*****	P ₂ O ₅ K ₂ O	30 0	Band	*	P ₂ O ₅ K ₂ O	25 10	Band ³ Banc (Starter	1	P ₂ O ₅ K ₂ O	16 0	Bar	nd *
0-6" 6-24"	120 +lb/acre 360 +lb/acre					CI				CI				CI			
Sulfur Boron						S	10	Band		S	0			S	0		
Zinc						В				В				В			
ron						Zn				Zn				Zn			
Manganese						Fe				Fe				Fe			
Copper						Mn				Mn				Mn			
Magnesium						Cu				Cu				Cu			
Calcium						Mg				Mg				Mg			
Sodium						Lime				Lime				Lime			
Org.Matter								1	Catio	on Excl	nange	% Ba	se Sati	uratio	n (Ty	pical Ra	nge)
Carbonate(CCE)						Soil p	DH B	uffer pH		Capacit		% Ca	% M		δK	% Na	% H
0-6" 6-24" Sol. Salts	0.77 mmho/cm 1.49 mmho/cm			* * * * * * * * * * * * * * * * * * *		0-6" 7 6-24" 7											

Crop 2: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.

					SO	IL TE	EST	REPOF	RT					N			
	BORATORIES		9	FIELD SAMPL	E ID	NE8							 				
(http://v Northwood	y Agvise Laborator www.agvise.com) d: (701) 587-6010 (320) 843-4109	ies) ר פ	FIELD COUNT FWP SECTIO PREV.	ON 8	2 3	QTR	RANGE 2 Ne A		178	v	v					E
SUBM Proposed SE-17-2	IITTED FOR: 2-23			HYLIF	E LTD		1ITTE	D BY:	HY48	51				S			
			E	30X 1	.00	RIE, ME	3	R0A (owo		REF 7		56901 N263		DX #	317	'3
Date Sampled						C	Date Re	eceived	12/1	4/202	1		۵	Date Re	porte	d 12/	15/202
Nutrient Ir	n The Soil	In	terp	retati	on	1s	t Cro	p Choic	e	2n	d Cro	p Choic	e	3r	d Cr	op Cho	oice
0-6" 6-24"	18 lb/acre 18 lb/acre	VLow	Low	Med	High			BU				-Spring GOAL BU			YIEL	s/Pasture D GOAL Tons	!
0-24'' Nitrate	36 lb/acre					SUG		GUIDELIN	IES	SUGC	GESTED	GUIDELIN	IES	SUG		D GUIDE Band	LINES
						LB/A		APPLICA	TION	LB/A		APPLICA	TION	LB/A	ACRE		CATION
Olsen Phosphorus	14 ppm	*****	*****	*****	****	N	139			N	126			N	84		
Potassium	375 ppm	*****	*****	*****	*****	P ₂ O ₅	28	Band	*	P ₂ O ₅	23	Band	*	P ₂ O ₅	13	Bai	nd *
Chloride						K ₂ O	0			K ₂ O	10	Band (Starter		K ₂ O	0		
0-6" 6-24"	44 lb/acre 264 lb/acre					CI				CI				CI			
Sulfur Boron						S	10	Band		S	0			S	0	_	
linc						B				В				В		_	
ron						Zn				Zn				Zn			
langanese						Fe				Fe				Fe		_	
Copper						Mn				Mn				Mn		_	
1agnesium						Cu				Cu				Cu			
Calcium						Mg				Mg				Mg		_	
Sodium						Lime				Lime				Lime			
Org.Matter						Soil p	OH B	uffer pH		on Excl		% Ba	ise Sa	turatio	n (Ty	pical Ra	nge)
Carbonate(CCE) 0-6" 6-24"	0.45 mmho/cm 0.7 mmho/cm	*****		*****		0-6" 7 6-24" 8	7.4		(Capacit	y	% Ca	%	4g %	6 K	% Na	% H

Crop 2: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.

					SO	IL TE	ST	REPOF	RT					N			
Soil Analysis b (http://w Northwood	y Agvise Laborator www.agvise.com) I: (701) 587-6010 (320) 843-4109	ies	5 F C T	TIELD SAMPL TIELD COUNT WP SECTIO PREV.	E ID NAME Y ON	SW15 2 15	QTR	RANGE 2 SW A		138	v	v 					E
SUBM Proposed SE-17-2	ITTED FOR: -23		5 E	5 FAB BOX 1		-		d by: Roa (51	REF =		69013 V2633)X #	318	:0
Date Sampled						C	Date Re	eceived	12/1	4/202	1		Da	ite Re	porte	ed 12/ 3	15/202
Nutrient In	The Soil		_	retati		1s		p Choic	e	2n		p Choice	e	3r		op Cho	
0-6" 6-24"	13 lb/acre 12 lb/acre	VLow *****	Low ****	Med	High			BU			YIELD	-Spring GOAL BU			YIE	LD GOAL Tons	
0-24'' Nitrate	25 lb/acre					SUG		GUIDELIN	IES	SUGO		GUIDELIN	ES	SUG		ED GUIDE Band	LINES
Olsen	10 ppm	*****	*****	****			CRE	APPLICA	TION	LB/A		APPLICA	TION		CRE	APPLI	CATION
Phosphorus Potassium	380 ppm	*****	*****	*****	*****	N P ₂ O ₅	150 38	Band	*	N P ₂ O ₅	137 31	Band ³	ĸ	N P ₂ O ₅	95 23	Bar	1d *
Chloride						K ₂ O	0			K ₂ O	10	Band (Starter		K ₂ O	o		
0-6" 6-24"	86 lb/acre 360 +lb/acre					CI				CI				CI			
Sulfur Boron						S	10	Band		S	0			S	0	_	
Zinc						В				В				В			
Iron						Zn				Zn				Zn			
Manganese						Fe				Fe				Fe		_	
Copper						Mn				Mn				Mn			
Magnesium						Cu				Cu				Cu			
Calcium						Mg				Mg				Mg			
Sodium						Lime				Lime				Lime			
Org.Matter								1	Cati	on Excl	ango	% Ba	se Sati	uratio	n (Ty	pical Ra	nge)
Carbonate(CCE)						Soil p	DH B	uffer pH		on Excr Capacit		% Ca	% M		6 K	% Na	% H
0-6" 6-24" Sol. Salts	0.52 mmho/cm 1.07 mmho/cm	***** *****		c ******	**	0-6" 7 6-24" 7											

Crop 2: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.

			γ		SO	IL TI	EST	REPOF	RT				1	N			
AC	MISE		F	IELD	ID	NW10											
LAE	ORATORIES		9	SAMPL	E ID								+				
	y Agvise Laborator	ies			NAME												
	ww.agvise.com)					•					V	v —					E
	: (701) 587-6010 (320) 843-4109			FWP SECTI		2 10	OTP	RANGE 2		149							_
20100111	(020) 0.0 .200				CROP	10	QIN		NCINES	149			⊥ ⊥				
SUBM	ITTED FOR:					SUBM	1ITTE	D BY:	HY48	51							
Proposed SE-17-2	-23		- I I	HYLIF	E LTD	-								S			
					AS ST	REET					REF	# 35	69014	BO	<i>/</i> #	317	3
				30X 1		RIE, MI	B	R0A (LAB		N26338		X II	517	
					OQUL	KIL , M		NUA (,,,,,)							
Date Sampled						C	Date R	eceived	12/1	4/202	1		Dat	e Rep	orted	12/:	15/20
Nutrient In	The Soil	In	terp	retati	ion	15	st Cro	p Choic	e	2n	d Cro	p Choic	e	3rd	Cro	p Cho	ice
		VLow	Low	Med	High		Can	ola-bu			Wheat	-Spring			Grass/	Pasture	
0-6"	13 lb/acre						YIEL	D GOAL			YIELD	GOAL			YIELD	GOAL	
6-24"	12 lb/acre	*****	****				50	BU			60	BU			4	Tons	
0-24''	25 lb/acre											-		<u></u>			
	25 15/ 461 6					SUG	GESTEL) GUIDELI	NES	SUGG	JESTED	GUIDELIN	IES	SUGG	ESTED	GUIDE	LINES
litrate							В	and			Ba	and			Ba	and	
01	0					LB/A	ACRE	APPLICA	TION	LB/A	CRE	APPLICA	TION	LB/AC	CRE	APPLI	CATIO
Olsen hosphorus	8 ppm	*****	*****	K		N	150			Ν	137			Ν	95		
otassium	357 ppm	*****	*****	******	*****	P ₂ O ₅	43	Band	*	P ₂ O ₅	35	Band	* Р	205	28	Bar	nd *
						K ₂ O	0			K ₂ O	10	Band	:	< ₂ 0	0		
Chloride						K20	Ŭ			K20	10	(Starter	r)*	(20	U		
0-6" 6-24"	28 lb/acre 102 lb/acre				*****	CI				CI				СІ			
Sulfur	102 10/ 0010					S	15	Band		S	0			S	0		
oron						В				В				В			
inc						Zn				Zn				Zn			
ron																	
langanese						Fe				Fe				Fe			
Copper						Mn				Mn				Mn			
1agnesium						Cu				Cu			(Cu			
Calcium						Mg				Mg				Mg			
Sodium						Lime				Lime			L	ime			
)rg.Matter								1				0/- P-			(Two	ical Da	
Carbonate(CCE)						Soil p	DH B	uffer pH		on Excl Capacit		% Ba	se Satur % Mg			% Na	nge) % H
0-6" 6-24"	0.41 mmho/cm 0.35 mmho/cm					0-6" 7				Capacit	- /	-/o Ca	-70 Mg	-70		/0 110	-70 M
Sol. Salts						6-24" 8	s.u										

Crop 2: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.

					SO	ILTE	EST I	REPOF	RT					N			
Soil Analysis b (http://w Northwood Benson:	y Agvise Laborator ww.agvise.com) I: (701) 587-6010 (320) 843-4109	ies	S F C T	TELD SAMPL TELD COUNT WP SECTIO PREV.	E ID NAME 'Y ON	SE21 2 21	QTR	_	CRES	153	v	v 					E
Proposed SE-17-2	ITTED FOR: 2-23		5 E	5 FAB BOX 1				D BY:		51	REF 7 LAB 7		69015 V2633)X #	318	0
Date Sampled						C	Date Re	eceived	12/14	4/202	1		Da	ate Re	porte	ed 12/ 3	15/202
Nutrient In	The Soil	In	terpi	retati	on	1s	t Cro	p Choic	e	2n	d Cro	p Choice	e	3r	d Cr	op Cho	ice
0-6" 6-24"	21 lb/acre 42 lb/acre	VLow	Low	Med				BU				-Spring GOAL BU			YIE	ss/Pasture LD GOAL Tons	
0-24''	63 lb/acre					SUG		GUIDELIN	IES	SUGO		GUIDELIN	ES	SUG		ED GUIDE	LINES
Nitrate							Ba	and			Ba	nd				Band	
Olsen	7 ppm	*****	*****			LB/A	CRE	APPLICA	TION	LB/A	CRE	APPLICAT	FION	LB/A	CRE	APPLI	CATION
Phosphorus						N	112			N	99			N	57	_	
Potassium	323 ppm	*****	*****	*****	*****	P ₂ O ₅ K ₂ O	45 0	Band	*	P ₂ O ₅ K ₂ O	37 10	Band [*] Band (Starter	1	P ₂ O ₅ K ₂ O	31 0	Bar	nd *
0-6" 6-24"	74 lb/acre 198 lb/acre					CI				CI				CI			
Sulfur	190 10/ 2010	*****	*****	*****	*****	S	10	Band		S	0			S	0		
Boron						В				В				В			
Zinc						Zn				Zn				Zn			
Manganese						Fe				Fe				Fe			
Copper						Mn				Mn				Mn			
Magnesium						Cu				Cu				Cu			
Calcium						Mg				Mg				Mg			
Sodium						Lime				Lime				Lime			
O rg.Matter								1	Cati	on Excl	nange	% Ba	se Sati	uratio	n (Ty	pical Ra	nge)
Carbonate(CCE)						Soil p	DH B	uffer pH		Capacit		% Ca	% M		κ	% Na	% H
0-6" 6-24" Sol. Salts	0.53 mmho/cm 0.55 mmho/cm	*****				0-6" 7 6-24" 8											

Crop 2: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.

					SO	IL TE	EST	REPOF	T					N			
Soil Analysis b (http://w Northwood	y Agvise Laborator ww.agvise.com) 1: (701) 587-6010 (320) 843-4109	ies	S F C T	TELD SAMPL TELD COUNT WP SECTIO PREV.	E ID NAME Y ON	SW21 2 21	QTR	RANGE 2 SW A		136	v	v 					E
SUBM Proposed SE-17-2	ITTED FOR:		5 E	5 FAB BOX 1				D BY:		51	REF ; LAB ;		69016 V2633)X #	316	8
Date Sampled						C	Date Re	eceived	12/1	4/202	1		Da	ate Re	porte	ed 12/ 3	15/202
Nutrient In	The Soil	In	terpi	retati	on	1s	t Cro	p Choice	9	2n	d Cro	p Choice	e	3r	d Cı	rop Cho	ice
0-6" 6-24"	21 lb/acre 33 lb/acre	VLow	Low	Med				BU			YIELD	-Spring GOAL BU			YIE	SS/Pasture LD GOAL Tons	
0-24''	54 lb/acre					SUG		GUIDELIN	IES	SUGO		GUIDELIN	ES	SUG		ED GUIDE	LINES
Nitrate							Ba	and			Ba	nd				Band	
						LB/A	CRE	APPLICA	TION	LB/A	CRE	APPLICAT	TION	LB/A	CRE	APPLI	CATION
Olsen Phosphorus	8 ppm	*****	*****			N	121			N	108			Ν	66		
Potassium	407 ppm	*****	*****	*****	*****	P ₂ O ₅	43	Band	*	P ₂ O ₅	35	Band '	ĸ	P ₂ O ₅	28	Bar	nd *
Chloride						K ₂ O	0			K ₂ O	10	Band (Starter		K ₂ O	0		
0-6" 6-24"	64 lb/acre 258 lb/acre					CI				CI				CI			
Sulfur						S	10	Band		S	0			S	0		
Boron						В				В				В			
Zinc						Zn				Zn				Zn			
Manganese						Fe				Fe				Fe			
Copper						Mn				Mn				Mn			
Magnesium						Cu				Cu				Cu			
Calcium						Mg				Mg				Mg			
Sodium						Lime				Lime				Lime			
Org.Matter									Cati	on Excl	ango	% Ba	se Sati	uratio	n (Ty	/pical Ra	nge)
Carbonate(CCE)						Soil p	DH B	uffer pH		on excr Capacit		% Ca	% M		ъ К	% Na	% H
0-6" 6-24" Sol. Salts	0.51 mmho/cm 0.54 mmho/cm	*****				0-6" 7 6-24" 8											

Crop 2: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.

		SOIL TEST REPORT										N						
Soil Analysis by Agvise Laboratories (http://www.agvise.com) Northwood: (701) 587-6010 Benson: (320) 843-4109				FIELD ID SE20 SAMPLE ID FIELD NAME COUNTY TWP 2 RANGE 23-W SECTION 20 QTR SE ACRES 133 PREV. CROP							v	v 		E			E	
SUBMITTED FOR: Proposed SE-17-2-23					SUBMITTED BY: HY4851 HYLIFE LTD. 5 FABAS STREET BOX 100 LA BROQUERIE, MB ROA OWO							S REF # 3569017 BOX # 3144 LAB # NW263388						
Date Sampled						C	Date Re	eceived	12/14	4/202	1		Da	ate Re	porte	ed 12/	15/202	
Nutrient In	n The Soil Int			retati	on	1st Crop Choice 2r					d Cro	e	3rd Crop Choice					
0-6" 6-24"	17 lb/acre 27 lb/acre	VLow *****	Low	Med		Canola-bu YIELD GOAL 50 BU					YIELD	Wheat-Spring YIELD GOAL 60 BU			Grass/Pasture YIELD GOAL 4 Tons			
0-24''	44 lb/acre										GESTED GUIDELINES			SUGGESTED GUIDELINES				
litrate				Band LB/ACRE APPLICATIO					TION		and		Band LB/ACRE APPLICATION					
Olsen	5 ppm	*****	**			N	131	APPLICA	TION	LB/A	118	APPLICA	TION	N N	76	APPLI	CATION	
Phosphorus Potassium	390 ppm	*****	*****	*****	*****	P ₂ O ₅	50	Band	*	P ₂ O ₅	41	Band	*	P ₂ O ₅	36	Bai	nd *	
Chloride						K ₂ O	0			K ₂ O	10	Band (Starte)		K ₂ O	o			
0-6" 6-24"	120 +lb/acre 360 +lb/acre					CI				CI				CI				
Sulfur	500 115/ 4010	*****	*****	*****	*****	S	10	Band		S	0			S	0			
Boron						В				В				В				
Zinc Iron						Zn				Zn				Zn				
Manganese						Fe				Fe				Fe				
Copper						Mn				Mn				Mn				
Magnesium						Cu				Cu				Cu				
Calcium						Mg				Mg				Mg				
Sodium						Lime				Lime				Lime				
Org.Matter						Cation Exe					ange	% Ba	se Sati	turation (Typical Range)				
Carbonate(CCE)						Soil pH Buffer pH		Capacit		% Ca	% M		6 K	% Na	% H			
0-6" 6-24" Sol. Salts	0.78 mmho/cm 1.11 mmho/cm			****** ******		0-6" 7 6-24" 8												

Crop 2: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.

		SOIL TEST REPORT										Ν						
Soil Analysis by Agvise Laboratories (http://www.agvise.com) Northwood: (701) 587-6010 Benson: (320) 843-4109				FIELD ID NE20 SAMPLE ID FIELD NAME COUNTY TWP 2 RANGE 23-W SECTION 20 QTR NE ACRES 175 PREV. CROP														
											v	V					E	
SUBMITTED FOR: Proposed SE-17-2-23					SUBMITTED BY: HY4851 HYLIFE LTD. 5 FABAS STREET BOX 100 LA BROQUERIE, MB ROA OWO							REF # 3569018 BOX # 3148 LAB # NW263389						
Date Sampled						C	Date Re	eceived	12/1	4/202	1		C	Date Re	porte	d 12/ 3	15/202	
Nutrient In	The Soil		-	pretation							nd Crop Choice			3rd Crop Choice				
0-6" 6-24"	25 lb/acre 54 lb/acre	VLow *****	Low	Med		Canola-bu YIELD GOAL					YIELD	Wheat-Spring YIELD GOAL 60 BU			Grass/Pasture YIELD GOAL 4 Tons			
0-24''	79 lb/acre										GESTED GUIDELINES			SUGGESTED GUIDELINES Band				
						Band LB/ACRE APPLICATION LB/					B/ACRE APPLICATION			LB/ACRE APPLICATION				
Olsen Phosphorus	15 ppm	*****	*****	*****	*****	N	96			N	83			N	41			
otassium	495 ppm	*****	*****	*****	*****	P ₂ O ₅	25	Band	*	P ₂ O ₅	21	Band	*	P ₂ O ₅	11	Bar	nd *	
Chloride						K ₂ O	0			K ₂ O	10	Band (Starter		K ₂ O	O			
0-6" 6-24" Sulfur	120 +lb/acre 360 +lb/acre					CI				CI	-			CI				
Boron						S	10	Band		S	0			S	0			
inc						B				B				B				
ron						Zn Fe				Zn Fe				Zn Fe				
langanese						Mn				Mn				Mn				
opper																		
1agnesium Calcium						Cu				Cu				Cu				
Sodium						Mg				Mg				Mg				
Org.Matter						Lime	Lime				Lime							
Carbonate(CCE)						Soil pH Buffer pH			on Excl Capacit		% Ba % Ca	ise Sa % N		uration (Typical Ran g % K % Na				
0-6" 6-24" Sol. Salts	0.81 mmho/cm 2.41 mmho/cm			• ****** • *****		0-6" 7 6-24" 8				Supach		70 Ca	-70 Г	''y %		70 Nd	% H	

Crop 2: *CAUTION: Seed-placed fertilizer can cause injury.* May respond to starter P & K, even on high soil tests. Crop nutrient removal: P2O5 = 38 K2O = 23 AGVISE Band guideline will build P & K test levels to the medium range over several years.