					SO	IL TE	ST	REPOF	RT					N			
(http://w Northwood	by Agvise Laborator www.agvise.com) d: (701) 587-6010 (320) 843-4109	ies	F C T	FIELD SAMPL FIELD COUNT FWP SECTIO PREV.	E ID NAME 'Y ON	ELNE02 5 2	2 <b>160</b> QTR	RANGE 2	21W ACRES	0	v	v					E
SUBM Perkins	1ITTED FOR:		5 E	5 FAB 30X 1		-		D BY:		51	REF ; LAB ;		1676 V1797		)X #	382	2
Date Sampled						C	Date Re	eceived	10/20	0/202	D		C	ate Re	porte	d <b>10/</b> 2	26/202
Nutrient Ir	1 The Soil	In	terp	retati	on	1s	t Cro	p Choic	e	2n	d Cro	p Choic	e	3r	d Cro	op Cho	ice
0-6" 6-24"	22 lb/acre 18 lb/acre		Low	Med	High		YIELD	ola-bu D GOAL			YIELD	-Spring GOAL			YIEL	/Pasture D GOAL	
0-24''	40 lb/acre	*****	*****	****		SUG		O GUIDELII	IES	SUGO	GESTED	BU GUIDELIN	ES	SUG	GESTEI	Tons D GUIDE	LINES
Nitrate								and				ind				and	
Olsen	9 ppm	*****	*****	***		LB/A	CRE 135	APPLICA	TION	LB/A	CRE 122	APPLICA	TION	LB/A	CRE 80	APPLI	CATION
Phosphorus Potassium	258 ppm					P <sub>2</sub> O <sub>5</sub>	40	Band	*	P <sub>2</sub> O <sub>5</sub>	33	Band <sup>;</sup>	*	P <sub>2</sub> O <sub>5</sub>	26	Bar	nd *
Chloride	230 ppm	*****	*****	*****	*****	K <sub>2</sub> O	0	Dunu		K <sub>2</sub> O	10	Banc (Starter	1	K <sub>2</sub> O	0		
						CI				CI				CI			
Sulfur						S				S				S			
Boron						В				В				В			
Zinc						Zn				Zn				Zn			
(ron Manganese						Fe				Fe				Fe			
Copper						Mn				Mn				Mn			
Magnesium						Cu				Cu	1			Cu		1	
Calcium						Mg				Mg				Mg			
Sodium						Lime				Lime				Lime			
Org.Matter									0-1			0/2 P 2	50 <b>5</b> 0		n (Tvr	oical Ra	nge)
Carbonate(CCE)						Soil p	oH B	Suffer pH		on Excl Capacit		% Ва	se sa			% Na	nge) % H
0-6" 6-24" Sol. Salts	0.62 mmho/cm 1.03 mmho/cm				*	0-6" <b>8</b> 6-24" <b>8</b>											

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			
A	<b>SVISE</b>		F	IELD	ID	ELNE11	160						i I				
	BORATORIES			SAMPL									+				
	by Agvise Laborator	ies			NAME												
	www.agvise.com) d: (701) 587-6010			COUNT TWP		5		RANGE 2	21W/		V	/		_	_		E
	(320) 843-4109			SECTI		11	QTR		ACRES	0							
<			F	PREV.	CROP								÷				
SUBI	ITTED FOR:					SUBM	1ITTE	D BY:	HY485	51							
Perkins			•	IYLIF	E LTD	-								S			
					AS ST	REET					REF i	# 31	16764	<b>1</b> BC	)X #	389	0
				3OX 1		RIE, ME	2	ROA (	NWO		LAB a		v1797				•
					UQUL	<b>NIL</b> , PI	,	KUA (	,,,,,								
Date Sampled						C	Date Re	eceived	10/20	0/202	0		D	ate Re	porte	d <b>10/</b>	26/202
Nutrient I	n The Soil	In	terp	retati	on	1s	t Cro	p Choic	e	2n	d Cro	p Choice	e	3r	d Cro	op Cho	oice
			Low		High			ola-bu									
		VLOW	LOW	Mea	High						Wheat-					/Pasture	2
0-6" 6-24"	21 lb/acre 21 lb/acre						YIELD	D GOAL			YIELD	GOAL			YIEL	D GOAL	
		*****	*****	****			50	BU			60	BU			4	Tons	
0-24''	42 lb/acre					SUG	GESTED		IES	SUGO	GESTED	GUIDELIN	ES	SUG	GESTE	d guide	LINES
Nitrate							B	and			Ba	nd			E	Band	
						LB/A	CRE	APPLICA	TION	LB/A	CRE	APPLICA	ΓΙΟΝ	LB/A	CRE	APPLI	CATION
Olsen Phosphorus	8 ppm	*****	*****	c		N	133			Ν	120			N	78		
Potassium	287 ppm	*****	*****	*****	*****	P <sub>2</sub> O <sub>5</sub>	43	Band	*	P <sub>2</sub> O <sub>5</sub>	35	Band '	*	P <sub>2</sub> O <sub>5</sub>	28	Bai	nd *
Chloride						K <sub>2</sub> 0	o			K <sub>2</sub> O	10	Band (Starter		K <sub>2</sub> O	0		
Chionde						CI				CI		(	/	CI			
Sulfur						S				S				S			
Boron						В				В				В			
Zinc						Zn				Zn				Zn			
Iron Manganese						Fe				Fe				Fe			
Copper						Mn				Mn				Mn			
Magnesium						Cu				Cu				Cu			
Calcium						Mg				Mg				Mg			
Sodium						Lime				Lime				Lime			
Org.Matter									Catio	on Excl	ango	% Ba	se Sat	uratio	n (Tv	pical Ra	nae)
Carbonate(CCE)						Soil p	oH B	Suffer pH		Capacit		% Ca	% M			% Na	% H
0-6"	1.31 mmho/cm	*****			***	0-6" 8	0.0										

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 TI	ST	REPOF	RT					N			
A	<b>WISE</b>		F	IELD	ID I	ELNE23	8160						i I				
LA	BORATORIES			SAMPL									+				
	by Agvise Laborator	ies			NAME												
	www.agvise.com) d: (701) 587-6010			COUNT TWP		5		RANGE 2	> 1 \A/		V	v —	-	_	_		E
	(320) 843-4109			SECTIO		23	QTR		ACRES	0							
<			F	PREV.	CROP								<u>i</u>				
SUBM	1ITTED FOR:		$\overline{\gamma}$			SUBM	1ITTE	D BY:	HY48	51							
Perkins			ŀ	IYLIF	E LTD	-								S			
					AS ST	REET					REF i	# 31	1676!	5 BC	)X #	388	6
				BOX 1		RIE, MI		R0A (			LAB a		V1797				
				A DR	UQUE	<b>КІС,</b> РП		KUA									
Date Sampled						C	Date R	eceived	10/20	0/202	D		D	ate Re	porte	d <b>10/</b>	26/202
Nutrient In	ו The Soil	In	terp	retati	on	1s	t Cro	p Choic	е	2n	d Cro	p Choic	e	3r	d Cro	op Cho	ice
		VLow	Low	Med	High		Can	ola-bu			Wheat-	-Spring			Grass	/Pasture	
0-6"	4 lb/acre						YIEL	D GOAL			YIELD	GOAL			YIEL	D GOAL	
6-24"	6 lb/acre	****					50					BU				Tons	
0.041	40 H (																
0-24''	10 lb/acre					SUG	GESTED	D GUIDELIN	IES	SUGO	SESTED	GUIDELIN	ES	SUG	GESTE	D GUIDE	LINES
Nitrate							В	and			Ba	ind			E	Band	
						LB/A	CRE	APPLICA	TION	LB/A	CRE	APPLICA	TION	LB/A	CRE	APPLI	CATION
<b>Olsen</b> Phosphorus	6 ppm	*****	****			N	165			N	152			Ν	110		
Potassium	262 ppm	*****	*****	*****	*****	P <sub>2</sub> O <sub>5</sub>	48	Band	*	$P_2O_5$	39	Band	*	P <sub>2</sub> O <sub>5</sub>	33	Bai	nd *
Chloride						K <sub>2</sub> O	0			K <sub>2</sub> O	10	Band (Starte)		K <sub>2</sub> O	0		
						CI				CI			-	CI			
Sulfur						S				S				S			
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									Cati	on Excl	ango	% Ba	se Sat	uratio	n (Tv	pical Ra	nge)
Carbonate(CCE)						Soil p	DH B	Suffer pH		Capacit		% Ca	% M			% Na	% H
0-6" 6-24"	1.06 mmho/cm 2.43 mmho/cm					0-6" <b>8</b> 6-24" <b>8</b>								-			

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					Ν			
	<b>BORATORIES</b>			IELD		ELNE24	115										
	oy Agvise Laborator	ies			NAME								+				
(http://w	www.agvise.com)		C	COUNT	Ϋ́						V	/					Е
	d: (701) 587-6010			WP		5		RANGE 2			v	<b>'</b>			i		
Benson:	(320) 843-4109			SECTIO PREV.		24	QTR	NE A	ACRES	0							
SUB	1ITTED FOR:					CUBM		D BY:					1				
Perkins	IIIILD FOR.			IYLIF	E LTD			ט טו.	n 1 40:	21				S			
			5	5 FAB	AS ST	REET					REF 7	4 21	1676		)X #	400	
				30X 1				<b>DO 4</b>			LAB #		V1797		JN #	400	
				A BR	OQUE	RIE, ME	5	R0A (	JWU								
Date Sampled						C	Date Re	eceived	10/20	0/2020	D		D	ate Re	porte	d <b>10/</b> 3	26/202
Nutrient I	n The Soil	In	terp	retati	on	1s	t Cro	p Choic	e	2n	d Cro	p Choic	e	3r	d Cro	op Cho	ice
		VLow	Low	Med	High		Can	ola-bu			Wheat-	Spring			Grass	/Pasture	1
0-6" 6-24"	5 lb/acre 6 lb/acre						YIELD	GOAL			YIELD	GOAL			YIEL	D GOAL	
	0.2, 200	****					50	BU			60	BU			4	Tons	
0-24''	11 lb/acre					SUG	GESTED	GUIDELIN	IES	SUGO	GESTED	GUIDELIN	ES	SUG	GESTEI	D GUIDE	LINES
Nitrate							Ba	and			Ba	nd			В	and	
						LB/A	CRE	APPLICA	TION	LB/A	CRE	APPLICA	TION	LB/A	CRE	APPLI	CATION
<b>Olsen</b> Phosphorus	5 ppm	*****	**			N	164			Ν	151			N	109		
Potassium	263 ppm	*****	*****	*****	*****	P <sub>2</sub> O <sub>5</sub>	50	Band	*	P <sub>2</sub> O <sub>5</sub>	41	Band	*	P <sub>2</sub> O <sub>5</sub>	36	Bar	nd *
Chloride						K <sub>2</sub> O	0			K <sub>2</sub> O	10	Band (Starte)		K <sub>2</sub> O	0		
						CI				CI		(		CI		+	
Sulfur						S				S				S			
Boron						В				В				В			
Zinc						Zn				Zn				Zn			
Iron						Fe				Fe				Fe			
Manganese						Mn				Mn				Mn			
Copper Magnesium						Cu				Cu				Cu		+	
Calcium						Mg				Mg				Mg			
Sodium						Lime				Lime							
Org.Matter						Linte								Lime			
Carbonate(CCE)						Soil p	он в	uffer pH		on Exch Capacit		% Ba % Ca	se Sat % M			oical Ra % Na	nge) % H
0-6" 6-24"	0.75 mmho/cm 2.16 mmho/cm					0-6" 7	·.8			apacit	.1	70 Ca	-70 M			70 110	-70 FI

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.

					SC	DIL TE	EST	REPOF	RT				1	١			
	BORATORIES			FIELD SAMPL		ELNE26	5154										
Soil Analysis b	oy Agvise Laborator	ries			NAME												
	www.agvise.com)			COUNT							v	/	i				E
	d: (701) 587-6010 (320) 843-4109			FWP SECTI		5 26	QTR	RANGE 2	21W ACRES	0			1				-
			F	PREV.	CROP												
	IITTED FOR:						1ITTE	D BY:	HY48	51				6			
Perkins					E LTD												
				30X 1						(	REF #		16768		X #	388	5
				A BR	OQUE	RIE, ME	3	R0A	owo		LAB ;	# <b>NV</b>	V179770	)			
Date Sampled		Tn	torn	retati	ion			eceived p Choic		-		p Choice				10/2 p Cho	26/202
	i me son	VLow	-	Med		15			-	211							
0-6"	19 lb/acre	VLO W		Meu	riigii			ola-bu				Spring				Pasture	
6-24"	15 lb/acre	*****	******					) GOAL				GOAL				GOAL	
0-24''	34 lb/acre	****	*****				50				60	BU				Tons	
Nitrate	54 15/ 46/ 6					SUG	GESTED	GUIDELI	IES	SUGO	GESTED	GUIDELIN	ES	SUGG	ESTED	GUIDE	LINES
Withde							Ba	and			Ba	nd			Ba	and T	
Olsen	10 ppm	*****	*****	****		LB/A	CRE	APPLICA	TION	LB/A	CRE	APPLICA	FION	LB/A(	CRE	APPLI	CATION
Phosphorus Potassium	167					N	141			N	128			N	86		
	167 ppm	*****	******	******	***	P <sub>2</sub> O <sub>5</sub>	38	Band	*	P <sub>2</sub> O <sub>5</sub>	31	Band <sup>3</sup>	* P;	05	23	Ban	nd *
Chloride						K <sub>2</sub> O	4	Band	*	K2O	14	Band <sup>3</sup>	* К	20	23	Ban	nd *
						CI				CI			(				
Sulfur						S				S				s			
Boron						В				В				В			
Zinc						Zn				Zn			Z	Zn			
Iron						Fe				Fe				-e			
Manganese						Mn				Mn			1	1n			
Copper Magnesium						Cu				Cu				Cu			
Calcium						Mg				Mg				1g			
Sodium						Lime				Lime				me			
Org.Matter						Linie											
Carbonate(CCE)						Soil p	он в	uffer pH		on Exch Capacit			se Satur	-			
0-6"	1.87 mmho/cm	*****	*****	*****	*****	0-6" 7				capacit	·y	% Ca	% Mg	%	K 9	% Na	% H

Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. High salinity may decrease crop yield. 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			
(http://v Northwood	by Agvise Laborator www.agvise.com) d: (701) 587-6010 (320) 843-4109	ies	S F C T S	FIELD SAMPL FIELD COUNT WP SECTIO PREV.	E ID NAME 'Y ON	ELNE27 5 27	<b>7115</b> QTR	RANGE 2 NE 4	21W ACRES	0	v	/					E
Perkins	1ITTED FOR:		5	5 FAB 30X 1		REET RIE, ME	3	D BY:	owo		REF ; LAB ;		16769 V1797	71	)X #	382	
Date Sampled	The Seil	Te	torn	retati	0.0			eceived p Choic		-		p Choice			-	d 10/: op Cho	26/202
	T THE Soli	VLow		Med		15		p choice	-	211			-	31		/Pasture	
0-6" 6-24"	24 lb/acre 39 lb/acre	VLOW	LUW	Meu	mgn		YIELD	) GOAL				GOAL			YIEL	D GOAL	
0-24''	63 lb/acre	*****	*****	*****	*****	<u> </u>	50			SUC	60		50	<u></u>			
Nitrate	05 10/ 2010					SUG		OGUIDELIN	NES	SUG		GUIDELIN	ES	SUG		D GUIDE	LINES
						IB/A		APPLICA	TION	LB/A		APPLICA		LB/A			CATION
Olsen	13 ppm	*****	*****	*****	**	N	112		lion	N	99			N	57		
Phosphorus Potassium	254 ppm	*****	*****	*****	*****	P <sub>2</sub> O <sub>5</sub>	30	Band	*	P <sub>2</sub> O <sub>5</sub>	25	Band <sup>,</sup>	*	P <sub>2</sub> O <sub>5</sub>	16	Bar	nd *
Chloride						K <sub>2</sub> O	0			K <sub>2</sub> O	10	Band (Starter		K <sub>2</sub> O	1	Bar	nd *
						CI				CI				CI			
Sulfur						S				S				S			
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 Errel		% R3	Se Sat	uratio	n (Tv:	oical Ra	nge)
Carbonate(CCE)						Soil p	oH B	uffer pH		on Exch Capacit		% Ca	se sat % M			% Na	% H
<b>0-6"</b> <b>6-24"</b> Sol. Salts	0.71 mmho/cm 1.08 mmho/cm				**	0-6" <b>8</b> 6-24" <b>8</b>											

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 I (http://w Northwoo	by Agvise Laborator www.agvise.com) d: (701) 587-6010 (320) 843-4109	ies	F C T	TELD SAMPL TELD COUNT WP SECTIO PREV.	E ID NAME 'Y DN	ELNW0 5 2		RANGE 2	21W ACRES	0	٧	v 					E
SUBN Perkins	1ITTED FOR:		5	5 FAB BOX 1		-		D BY:		51	REF ; LAB ;		1677( V1797		)X #	389	0
Date Sampled						C	Date Re	eceived	10/2	0/2020	D		D	ate Re	porte	d 10/:	26/202
Nutrient I	n The Soil	In	terpi	retati		1s	t Cro	p Choice	e	2n	d Cro	p Choice	e	3r	d Cro	op Cho	ice
0-6" 6-24"	16 lb/acre 24 lb/acre	VLow		Med	High		YIELD	ola-bu D GOAL				GOAL			YIEL	/Pasture D GOAL	
0-24''	40 lb/acre	*****	*****	****		SUG		BU O GUIDELIN	IES	SUGO		BU GUIDELIN	ES	SUG		Tons O GUIDE	LINES
Nitrate							B	and			Ba	ind			В	and	
Olsen	5 ppm					LB/A	CRE	APPLICA	TION	LB/A	CRE	APPLICA	TION	LB/A	CRE	APPLI	CATION
Phosphorus	5 ppm	****	**			N	135			N	122			N	80		
Potassium	271 ppm	*****	*****	*****	*****	P <sub>2</sub> O <sub>5</sub>	50 0	Band	*	P <sub>2</sub> O <sub>5</sub> K <sub>2</sub> O	41 10	Band <sup>3</sup> Banc	1	P <sub>2</sub> O <sub>5</sub> K <sub>2</sub> O	36 0	Bar	nd *
Chloride						CI				CI		(Starter	·)*	CI			
Sulfur						s				S				s			
Boron						В				B				 B			
Zinc						Zn				Zn				Zn		+	
ron						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-			. (	ical D-	
Carbonate(CCE)						Soil p	он в	uffer pH		on Exch Capacit		% Ba % Ca	se Sat % M			oical Ra % Na	nge) % H
<b>0-6"</b> <b>6-24"</b> Sol. Salts	0.77 mmho/cm 0.83 mmho/cm					0-6" <b>8</b> 6-24" <b>8</b>						, c cu					

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.

			Ĩ		SC	DIL TI	EST	REPOF	RT					N			
A	<b>SVISE</b>		F	IELD	ID	ELNW1	1160						i I				
	BORATORIES			SAMPL									+				
	by Agvise Laborator	ies			NAME												
	www.agvise.com) d: (701) 587-6010			COUNT WP		5		RANGE 2	) 1 \A/		V	/	-	_			E
	(320) 843-4109			SECTI		J 11	OTR		ACRES	0							
<b>、</b>			F	PREV.	CROP								<u>+</u>				
SUBI	ITTED FOR:					SUBM	1ITTE	D BY:	HY485	51							
Perkins			1	IYLIF	E LTD	)_								S			
					AS ST	REET					REF i	# 31	1686	I BC	X #	389	0
				30X 1		RIE, MI		ROA (			LAB a		V1797			505	
				A DR	OQUE	<b>KIE</b> , M	5	KUA	J W U								
Date Sampled						C	Date Re	eceived	10/20	0/2020	)		D	ate Re	porte	d <b>10/</b> 3	26/202
Nutrient I	n The Soil	In	terp	retati	ion	1s	st Cro	p Choic	e	2n	d Cro	p Choic	e	3r	d Cro	op Cho	oice
		VLow	Low	Med	High		Can	ola-bu			Wheat-	Spring			Grass	s/Pasture	:
0-6"	11 lb/acre						YIELD	D GOAL			YIELD	GOAL			YIEL	.D GOAL	
6-24"	15 lb/acre	*****	****				50	BU			60	BU			4	Tons	
0-24''	26 lb/acre					SUC	CECTER	) GUIDELII		SUCC	ECTED	GUIDELIN	EC	SUC	CECTE	D GUIDE	
						3000				3060				3000			LINLS
Nitrate								and				nd				Band	
Olsen	10 ppm	*****	*****	****		LB/A	CRE	APPLICA	TION	LB/A		APPLICA	FION		CRE	APPLI	CATION
Phosphorus Potassium						N	149			N	136			N	94		
Fotassium	296 ppm	*****	*****	*****	*****	P <sub>2</sub> O <sub>5</sub>	38	Band	*	P <sub>2</sub> O <sub>5</sub>	31	Band	*	P <sub>2</sub> O <sub>5</sub>	23	Bai	nd *
Chloride						K <sub>2</sub> O	0			K <sub>2</sub> O	10	Band (Starte)		K <sub>2</sub> O	0		
						CI				CI		•		CI			
Sulfur						S				S				S			
Boron						В				В				В		-	
Zinc						Zn				Zn				Zn			
Iron						Fe				Fe				Fe			
Manganese Copper						Mn				Mn				Mn		-	
Magnesium						Cu				Cu				Cu		-	
Calcium						Mg				Mg				Mg			
Sodium						Lime				Lime				Lime			
Org.Matter												0/2 P -	50 <b>5</b> 0*		n (Tre	pical Ra	nae)
Carbonate(CCE)						Soil p	oH B	Suffer pH		on Exch Capacit		% Ва	se Sat % M		л (Ту s К	% Na	nge) % H
0-6"	1.31 mmho/cm	*****	*****	******		0-6" <b>8</b>	3.0				-			5 /			

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 TI	EST	REPOF	RT					Ņ			
(http://w Northwood	y Agvise Laborator ww.agvise.com) 4: (701) 587-6010 (320) 843-4109	ries	S F C T	TELD SAMPL TELD COUNT WP SECTIO PREV.	LE ID NAME TY ON	ELNW1 5 12		RANGE 2	21W ACRES	0	v	/					E
SUBM Perkins	ITTED FOR:		5	5 FAB BOX 1		).		d by: Roa (		51	REF 7 LAB 7		16772 V17977		X #	380	5
Date Sampled						C	Date Re	eceived	10/2	0/202	D		Dat	te Rej	oorteo	10/2	26/202
Nutrient In	The Soil		_	retati		15		p Choic	e	2n		p Choice	e			p Cho	
0-6" 6-24"	34 lb/acre 33 lb/acre	VLow	Low	Med	High		YIELD	GOAL				GOAL			YIEL	/Pasture D GOAL	
0-24''	67 lb/acre	*****	*****	*****	*****	SUG	50 GESTED	BU GUIDELIN	IES	SUGO	60 GESTED	BU GUIDELIN	ES	SUGG		Tons O GUIDE	LINES
litrate								and			Ba					and	
Olsen	21 ppm	*****	*****	*****	*****		CRE	APPLICA	TION	LB/A		APPLICAT	FION	LB/A		APPLI	CATION
hosphorus	389 ppm				*****	N P2O5	108 10	Ban (Starte		N P2O5	95 15	Band (Starter	F	N 205	53 0		
Chloride						K <sub>2</sub> O	o	(oturite)	.,	K <sub>2</sub> O	10	Band (Starter	1	K20	0		
						CI				CI				CI			
oron						S				S				S			
inc						В				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			L	ime			
Org.Matter									Cati	on Excl	nange	% Ba	se Satu	ratior	n (Тур	ical Ra	nge)
Carbonate(CCE)	2.12 mmho/cm					Soil p		uffer pH		Capacit		% Ca	% Mg	%	К	% Na	% H
<b>6-24"</b> Sol. Salts	3.52 mmho/cm	*****	*****	*****	*****	6-24" <b>8</b>											

Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. High salinity may decrease crop yield. 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					Ņ			
(http://w Northwood	by Agvise Laborator www.agvise.com) d: (701) 587-6010 (320) 843-4109	ies	F C T	TELD SAMPL TELD COUNT WP SECTIO PREV.	LE ID NAME TY	ELNW2 5 20	<b>0155</b> QTR	RANGE 2	2 <b>0W</b> ACRES	0	V	v					E
SUBN Perkins	1ITTED FOR:		5 E	5 FAB 30X 1		-		d by: Roa (		51	REF ; LAB ;		1677 V1793		)X #	400	4
Date Sampled						C	Date Re	eceived	10/2	0/202	D		C	Date Re	portec	10/2	26/202
Nutrient I	n The Soil	In	terp	retati	ion	1s	t Cro	p Choic	e	2n	d Cro	p Choic	e	3r	d Cro	p Cho	ice
0-6"	8 lb/acre	VLow	Low	Med	High			ola-bu O GOAL				-Spring GOAL				Pasture	
6-24"	6 lb/acre	*****					50	BU			60	BU				Tons	
0-24''	14 lb/acre					SUG	GESTED	GUIDELIN	IES	SUGO	GESTED	GUIDELIN	IES	SUG	GESTED	GUIDE	LINES
Nitrate							Ba	and			Ba	ind			В	and	
						LB/A	CRE	APPLICA	TION	LB/A	CRE	APPLICA	TION	LB/A	CRE	APPLI	CATION
Phosphorus	19 ppm	*****	*****	*****	*****	N	161			N	148			N	106		
Potassium	215 ppm	*****	*****	*****	*****	P2O5	15	Band	*	P2O5	15	Band (Starter		P2O5	1	Bar	nd *
Chloride						K2O	0			K2O	10	Band (Starte)		K2O	11	Bar	nd *
Sulfur						CI				CI				CI			
Sulfur Boron						S				S				S			
Zinc						В				В				В			
ron						Zn				Zn				Zn			
langanese						Fe				Fe				Fe			
Copper						Mn				Mn				Mn			
Magnesium						Cu				Cu				Cu			
Calcium						Mg				Mg				Mg			
Sodium						Lime				Lime				Lime			
Org.Matter									<b>C</b> -1			0/2 B 2	50 50	turatio	n (Tvr	ical Ra	nae)
Carbonate(CCE)						Soil p	DH B	uffer pH		on Excl Capacit		% Ca	% N			% Na	% H
<b>0-6"</b> <b>6-24"</b> Sol. Salts	1.65 mmho/cm 2.95 mmho/cm					0-6" <b>8</b> 6-24" <b>8</b>											

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			
	BORATORIES			IELD		ELNW2	3157										
(http://w Northwood	y Agvise Laborator www.agvise.com) d: (701) 587-6010	ies	C T	COUNT FWP	!	5		RANGE			v	v					E
Denson:	(320) 843-4109			SECTIO		23	QTR	NW A	ACRES	0			$\frac{1}{1}$				
SUBM Perkins	IITTED FOR:				E LTD		1ITTE	D BY:	HY48	51				S	 		
			E	30X 1	00	RIE, MI	3	ROA	owo		REF ; LAB ;		1677 V179		DX #	382	22
Date Sampled						C	Date Re	eceived	10/2	0/202	D		C	Date Re	porte	d <b>10/</b> 3	26/20
Nutrient Ir	n The Soil	In	terp	retati	on	1s	t Cro	p Choic	e	2n	d Cro	p Choic	e	3r	d Cro	op Cho	oice
		VLow	Low	Med	High		Cano	ola-bu			Wheat-	-Spring			Grass	/Pasture	!
0-6" 6-24"	12 lb/acre 21 lb/acre						YIELD	GOAL				GOAL			YIEL	D GOAL	
		*****	*****	k <b>*</b>			50	BU			60	BU			4	Tons	
0-24''	33 lb/acre					SUG	GESTED	GUIDELIN	NES	SUGO	GESTED	GUIDELIN	IES	SUG	GESTE	D GUIDE	LINES
itrate							Ba	and			Ba	ind			B	and	
Olsen	11 ppm	*****	*****	*****			CRE	APPLICA	TION	LB/A		APPLICA	TION		CRE	APPLI	CATION
Phosphorus Potassium						N	142			N	129			N	87		
otassium	263 ppm	*****	*****	******	*****	P <sub>2</sub> O <sub>5</sub>	35	Band	*	P <sub>2</sub> O <sub>5</sub>	29	Band		P <sub>2</sub> O <sub>5</sub>	21	Bar	nd *
Chloride						K <sub>2</sub> O	0			K <sub>2</sub> O	10	Band (Starter		K <sub>2</sub> O	0		
						CI				CI				CI			
Sulfur						S				S				S			
inc						В				В				В			
ron						Zn				Zn				Zn			
langanese						Fe				Fe				Fe			
opper						Mn				Mn				Mn			
lagnesium						Cu				Cu				Cu			
Calcium						Mg				Mg				Mg			
Sodium						Lime				Lime				Lime			
Org.Matter									Cett	on Errel		% B3	se Sa	turatio	n (Tv:	oical Ra	nae)
Carbonate(CCE)						Soil p	DH B	uffer pH		on Excl Capacit		% Ca	% N			% Na	% H
<b>0-6"</b> <b>6-24"</b> Sol. Salts	0.35 mmho/cm 1.06 mmho/cm			******	*	0-6" <b>8</b> 6-24" <b>8</b>											

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			
(http://w Northwood	by Agvise Laborator www.agvise.com) d: (701) 587-6010 (320) 843-4109	ies	S F C T	COUNT WP SECTIO	LE ID NAME TY	ELNW2 5 24		RANGE 2	21W ACRES	0	۷	v 					E
SUBM Perkins	1ITTED FOR:		5	5 FAB BOX 1				D BY:		51	REF : LAB :		1677 V1797		)X #	404	2
Date Sampled								eceived		-					-		26/202
Nutrient II	n The Soil		_	retati		15		p Choic	e	2n		p Choic	e	3r		op Cho	
0-6" 6-24"	8 lb/acre 15 lb/acre		Low	Med	High		YIELD	ola-bu D GOAL			YIELD	-Spring GOAL			YIEL	/Pasture D GOAL	
0-24''	23 lb/acre	*****	***			<u> </u>	50					BU					
Nitrate	25 15/ 4010					SUG		O GUIDELIN	NES	SUG		GUIDELIN	ES	SUG		O GUIDE	LINES
						IB/A		APPLICA	TION	LB/A		APPLICA		IB/A	CRE		CATION
Olsen	7 ppm	*****	*****			N	152	AFFLICA	TION	N	139	AFFLICA	IION	N	97	AFFLI	CATION
Phosphorus Potassium	287 ppm	*****	*****	*****	*****	P <sub>2</sub> O <sub>5</sub>	45	Band	*	P <sub>2</sub> O <sub>5</sub>	37	Band	*	P <sub>2</sub> O <sub>5</sub>	31	Bar	nd *
Chloride						K <sub>2</sub> O	0			K <sub>2</sub> O	10	Band (Starter		K <sub>2</sub> O	0		
						CI				CI				CI		1	
Sulfur						S				S				S			
Boron						В				В				В			
Zinc						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								1	Cati	on Excl	nange	% Ba	se Sa	turatio	n (Typ	oical Ra	nge)
Carbonate(CCE)						Soil p	DH B	uffer pH		Capacit		% Ca	% N			% Na	% H
0-6" 6-24" Sol. Salts	1.31 mmho/cm 1.48 mmho/cm					0-6" <b>7</b> 6-24" <b>8</b>											

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			
	BORATORIES			IELD		ELNW2	6160										
(http://v Northwood	oy Agvise Laborator www.agvise.com) d: (701) 587-6010 (320) 843-4109	ies	F C T		NAME TY	5 26	OTR	RANGE 2	21W	0	v	v					E
	(320) 043 4103				CROP	20	QTR		ACRES	U							
SUBM Perkins	IITTED FOR:				E LTD		1ITTE	D BY:	HY48	51			1	S			
				BOX 1 _A BR		RIE, ME	3	R0A (	owo		REF =		1677 V1797		)X #	388	5
Date Sampled						D	Date Re	eceived	10/2	0/202	D		D	ate Re	porte	d 10/2	26/202
Nutrient Ir	n The Soil	In	terp	retati	ion	1s	t Cro	p Choic	e	2n	d Cro	p Choic	e	3r	d Cro	op Cho	ice
		VLow	Low	Med	High		Cano	ola-bu			Wheat	-Spring			Grass	/Pasture	!
0-6" 6-24"	12 lb/acre 9 lb/acre	*****						GOAL				GOAL				D GOAL	
0-24''	21 lb/acre	*****	**			SUGO		BU GUIDELIN	IFS	SUG		BU	IFS	SUG		Tons	
itrate	,					5000		and		3000		ind		5000		and	LINES
						LB/A		APPLICA	TION	LB/A		APPLICA	TION	LB/A			CATION
<b>Olsen</b> hosphorus	10 ppm	*****	*****	****		N	154			N	141			N	99		
otassium	225 ppm	*****	*****	*****	*****	P <sub>2</sub> O <sub>5</sub>	38	Band	*	P <sub>2</sub> O <sub>5</sub>	31	Band	*	P <sub>2</sub> O <sub>5</sub>	23	Bar	nd *
Chloride						K <sub>2</sub> O	0			K <sub>2</sub> O	10	Band (Starter		K <sub>2</sub> O	8	Bar	nd *
						CI				CI				CI		-	
ulfur						S				S				S			
oron						В				В				В			
ron						Zn				Zn				Zn			
anganese						Fe				Fe				Fe			
opper						Mn				Mn				Mn			
agnesium						Cu				Cu				Cu		1	
alcium						Mg				Mg				Mg			
odium						Lime				Lime				Lime			
rg.Matter									0			0/c D-	50 50		n (Tur	oical Ra	ngo)
Carbonate(CCE)						Soil p	oH B	uffer pH		on Excl Capacit		% Ва	se sa			% Na	nge) % H
<b>0-6"</b> <b>6-24"</b> Sol. Salts	1.26 mmho/cm 1.88 mmho/cm					0-6" <b>7</b> 6-24" <b>8</b>											

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			
	<b>EXISE</b>			- IELD SAMPL		ELSE11	148										
	by Agvise Laborator	ies			NAME								+ !				
(http://w	www.agvise.com)		(	COUNT	ΓY						v						Е
	d: (701) 587-6010 (320) 843-4109			ΓWP		5	OTD	RANGE 2			v	•	i i		i		
Delison.	(320) 843-4109			SECTI PREV.		11	QTR	SE /	ACRES	U			$\frac{1}{1}$				
SUBN	1ITTED FOR:					SUBM	1ITTE	D BY:	HY48	51							
Perkins					E LTD									S			
				5 FAB BOX 1	AS ST	REET					REF #	# 31	1677	<b>9</b> BC	)X #	388	5
						RIE, ME	3	R0A (	owo		LAB ;	# NV	V1797	78			
Date Sampled		_				C	Date Re	eceived	10/2	0/202	D		D	ate Re	porte	d <b>10/</b> 3	26/202
Nutrient I	n The Soil	In	terp	retati	ion	1s	t Cro	p Choic	e	2n	d Cro	p Choic	e	3r	d Cro	op Cho	oice
		VLow	Low	Med	High		Can	ola-bu			Wheat-	-Spring			Grass	/Pasture	!
0-6" 6-24"	21 lb/acre 21 lb/acre						YIELD	) GOAL			YIELD	GOAL			YIEL	D GOAL	
		*****	*****	*****			50	BU			60	BU			4	Tons	
0-24''	42 lb/acre					SUG	GESTED	GUIDELIN	NES	SUGO	GESTED	GUIDELIN	IES	SUG	GESTE	D GUIDE	LINES
Nitrate							Ba	and			Ba	ind			B	and	
						LB/A	CRE	APPLICA	TION	LB/A	CRE	APPLICA	TION	LB/A	CRE	APPLI	CATION
Olsen Phosphorus	10 ppm	*****	*****	****		N	133			N	120			Ν	78		
Potassium	316 ppm	*****	*****	*****	*****	P <sub>2</sub> O <sub>5</sub>	38	Band	*	P <sub>2</sub> O <sub>5</sub>	31	Band	*	P <sub>2</sub> O <sub>5</sub>	23	Baı	nd *
Chloride						K <sub>2</sub> O	0			K <sub>2</sub> O	10	Band (Starte)		K <sub>2</sub> O	0		
						CI				CI				CI			
Sulfur						S				S				S			
Boron						В				В				В			
Zinc						Zn				Zn				Zn			
Iron						Fe				Fe				Fe			
Manganese						Mn				Mn				Mn			
Copper Magnesium						Cu				Cu				Cu			
Calcium						Mg				Mg				Mg			
Sodium						Lime				Lime							
Org.Matter						Linte								Lime			
Carbonate(CCE)						Soil p	он в	uffer pH		on Exch Capacit						oical Ra	
0-6" 6-24"	1.41 mmho/cm 2.18 mmho/cm					0-6" <b>8</b>	8.0			capacit	.y	% Ca	% M		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	EST	REPOF	RT					Ν			
A	<b>FY ISE</b>		F	IELD	ID	ELSE23	8160						1				
	BORATORIES			SAMPL									+				
	by Agvise Laborator	ies			NAME												
	www.agvise.com) d: (701) 587-6010			COUNT TWP		5		RANGE 2	> 1 \A/		V	v —	-	_	_		E
	(320) 843-4109			SECTI(		23	QTR		ACRES	0							
			F	PREV.	CROP								÷				
SUBN	1ITTED FOR:					SUB№	1ITTE	D BY:	HY48	51							
Perkins			ŀ	IYLIF	E LTD	-								S			
					AS ST	REET					REF i	# 31	16780	) BC	)X #	388	15
				3OX 1		RIE, ME	2	R0A (			LAB ;		V1797			000	
					UQUL	<b>KIL</b> , PI	,	KUA (	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,								
Date Sampled						C	Date R	eceived	10/20	0/2020	D		D	ate Re	porte	d <b>10/</b> 3	26/202
Nutrient I	n The Soil	In	terpi	retati	on	1s	t Cro	p Choic	e	2n	d Cro	p Choic	e	3r	d Cro	op Cho	oice
		VLow	Low	Med	High		Can	ola-bu			Wheat-	-Spring			Grass	/Pasture	1
0-6"	4 lb/acre						YIEL	D GOAL			YIELD	GOAL			YIEL	D GOAL	
6-24"	12 lb/acre	*****					50	BU			60	BU			4	Tons	
0-24''	16 lb/acre					SUC		) GUIDELIN		SUCC		GUIDELIN	EC	SUC		D GUIDE	
	10 15/ 461 6					5060				5060			25	5060			LINES
Nitrate							В	and			Ва	ind			E	Sand	
Olsen	6 ppm					LB/A	CRE	APPLICA	TION	LB/A	CRE	APPLICA	TION	LB/A	CRE	APPLI	CATION
Phosphorus	0 ppm	*****	****			N	159			N	146			N	104		
Potassium	231 ppm	*****	*****	*****	*****	P <sub>2</sub> O <sub>5</sub>	48	Band	*	P <sub>2</sub> O <sub>5</sub>	39	Band '	*	P <sub>2</sub> O <sub>5</sub>	33	Bar	nd *
Chloride						K <sub>2</sub> O	0			K <sub>2</sub> O	10	Band (Starter		K <sub>2</sub> O	7	Bar	nd *
						CI				CI				CI			
Sulfur						S				S				S			
Boron						В				В				В			
Zinc						Zn				Zn				Zn			
Iron Manganese						Fe				Fe				Fe			
Copper						Mn				Mn				Mn			
Magnesium						Cu				Cu				Cu			
Calcium						Mg				Mg				Mg			
Sodium						Lime				Lime				Lime		_	
Org.Matter									Cati	on Evel	2000	% B3	se Sat	uratio	n (Tv	oical Ra	nge)
Carbonate(CCE)						Soil p	DH B	uffer pH		on Exch Capacit		% Ca	se sat % M		κ	% Na	% H
0-6" 6-24"	1.11 mmho/cm 2.0 mmho/cm					0-6" 8	3.0										

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.

			ĺ		SO	IL TE	EST	REPOF	RT					N			
A	<b>FY</b> ISE			IELD		ELSE24	124										
	BORATORIES	inc		SAMPL	le ID NAME								+				
-	by Agvise Laborator www.agvise.com)	les											1				_
	d: (701) 587-6010			WP		5		RANGE 2	21W		V	V	1	-			E
Benson:	(320) 843-4109			SECTI		24	QTR	R <b>SE</b> A	ACRES	0			1				
			F	PREV.	CROP								<u>_</u>	- +			
	ITTED FOR:		$\neg$				1ITTE	D BY:	HY48	51				S			
Perkins														3			
				5 FAB 30X 1	AS ST	REEI					REF ;	# 31	1678	<b>1</b> BC	DX #	406	53
						RIE, ME	3	ROA (	owo		LAB ;	# NV	V1797	780			
Date Sampled						C	Date Re	eceived	10/2	0/202	D		D	ate Re	porte	d <b>10/</b>	26/202
Nutrient I	n The Soil	In	terp	retati	ion	1s	st Cro	p Choic	e	2n	d Cro	p Choic	e	3r	d Cro	op Cho	oice
		VLow	Low	Med	High		Can	ola-bu			Wheat-	-Spring			Grass	/Pasture	2
0-6"	5 lb/acre						YIELD	D GOAL			YIELD	GOAL			YIEL	D GOAL	
6-24"	3 lb/acre	***					50	BU			60	BU			4	Tons	
0-24''	8 lb/acre					SUG	GESTER	) GUIDELIN	JES	SUGO	SESTED	GUIDELIN	IFS	SUG	GESTE	D GUIDE	
Nitrate																	
intrate								and				Ind				and	
Olsen	5 ppm	*****	**			LB/A	167	APPLICA	TION	LB/A	CRE 154	APPLICA	TION	LB/A	112	APPLI	CATION
Phosphorus Potassium	227 ppm	*****	*****	*****	*****	P <sub>2</sub> O <sub>5</sub>	50	Band	*	P <sub>2</sub> O <sub>5</sub>	41	Band	*	P <sub>2</sub> O <sub>5</sub>	36	Bai	nd *
	227 ppm	*****	*****	*****	*****	K <sub>2</sub> O	0			K <sub>2</sub> O	10	Band		K <sub>2</sub> O	8		nd *
Chloride						K20	Ŭ			120	10	(Starte	r)*	K20	Ů	Dai	
						CI				CI				CI			
Sulfur Boron						S				S				S			
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									<b>C</b> -1			0/2 B 2	50 6 7	turatio	n (Tvr	oical Ra	nge)
Carbonate(CCE)						Soil p	oH B	uffer pH		on Excl Capacit		% Ca	% N			% Na	% H
0-6" 6-24"						0-6" <b>8</b> 6-24" <b>8</b>								., ,			

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				1	N			
	BORATORIES			IELD SAMPL		ELSE26	524						   		   		
Soil Analysis b	y Agvise Laborator	ies			NAME										i		
	/ww.agvise.com) 1: (701) 587-6010			COUNT TWP		5		RANGE 2	) 1 \A/		v	v —	-				E
	(320) 843-4109		5	SECTION PREV.	NC	26	QTR		ACRES	0			         	1			
SUBM Perkins	ITTED FOR:				E LTD		1ITTE	D BY:	HY48	51				S			
reikiiis					AS ST												
			E	30X 1	00						REF :		16783		X #	388	6
			L	A BR	OQUE	RIE, ME	3	R0A (	owo		LAB	# <b>NV</b>	V17978	1			
Date Sampled						C	Date Re	eceived	10/2	0/2020	D		Dat	e Rep	orted	10/2	26/202
Nutrient In	The Soil		_	etati		1s		p Choic	9	2n		p Choice	e			p Cho	
0.6"	3 lb/acre	VLow	Low	Med	High			ola-bu				-Spring				/Pasture	
0-6" 6-24"	6 lb/acre						YIELD	D GOAL			YIELD	GOAL				) GOAL	
		****					50	BU			60	BU			4	Tons	
0-24''	9 lb/acre					SUG	GESTED	) GUIDELIN	IES	SUGO	GESTED	GUIDELIN	ES	SUGG	ESTED	GUIDE	LINES
Vitrate							Ba	and			Ba	ind			Ba	and	
						LB/A	CRE	APPLICA	TION	LB/A	CRE	APPLICAT	TION	LB/AC	CRE	APPLI	CATION
Phosphorus	7 ppm	*****	*****			N	166			N	153			N	111		
Potassium	178 ppm	*****	*****	*****	***	P <sub>2</sub> O <sub>5</sub>	45	Band	*	P <sub>2</sub> O <sub>5</sub>	37	Band <sup>3</sup>	* P	205	31	Ban	d *
Chloride						K <sub>2</sub> O	0			K <sub>2</sub> O	10	Band (Starter	II K	( <sub>2</sub> 0	20	Ban	id *
						CI				CI				СІ		1	
Sulfur						S				S				S			
3oron						В				В				в		1	
Zinc						Zn				Zn				Zn			
ron						Fe				Fe				Fe		+	
1anganese						Mn				Mn				Mn		+	
Copper																	
1agnesium						Cu				Cu				Cu			
Calcium						Mg				Mg			1	Мg			
Sodium						Lime				Lime			Li	ime			
Org.Matter						Soil p	и в	uffer pH	Catio	on Excl	nange	% Ba	se Satur	ation	(Тур	ical Ra	nge)
Carbonate(CCE)						5011	ЛВ	uner pH	(	Capacit	ÿ	% Ca	% Mg	%	К	% Na	% H
0-6" 6-24" Sol. Salts	1.87 mmho/cm 2.42 mmho/cm					0-6" <b>8</b> 6-24" <b>8</b>											

Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. High salinity may decrease crop yield. 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	t					N			
	<b>SVISE</b>		F	IELD	ID	ELSE26	5150						i I				
LA	BORATORIES			SAMPL									+				
	by Agvise Laborator	ies			NAME												
	www.agvise.com) d: (701) 587-6010			COUNT WP		5		RANGE 2	) 1 \A/		V	v		_			E
	(320) 843-4109			SECTI(		26	QTR		ACRES	0							
<			F	PREV.	CROP								÷				
SUBN	1ITTED FOR:					SUB№	1ITTE	D BY:	HY48!	51							
Perkins			ŀ	IYLIF	E LTD	-								S			
					AS ST	REET					REF i	# 31	16785	BC	)X #	389	0
				SOX 1		RIE, ME	2	ROA (	wo		LAB a		V1797				•
					ΟQUL		,	NOA	,	)							
Date Sampled						C	Date Re	eceived	10/20	0/202	D		Da	ate Re	porte	d <b>10/</b>	26/202
Nutrient I	n The Soil	In	terpi	retati	on	1s	t Cro	p Choic	e	2n	d Cro	p Choic	e	3r	d Cro	op Cho	oice
		VLow	Low	Med	High		Can	ola-bu			Wheat-	-Spring			Grass	/Pasture	:
0-6"	4 lb/acre						YIELD	D GOAL			YIELD	GOAL			YIEL	D GOAL	
6-24"	3 lb/acre	***					50	BU			60	BU			4	Tons	
0-24''	7 lb/acre							-	150								
	7 10/ 401 6					SUG	JESTEL	O GUIDELIN	IES	SUGC	ESTED	GUIDELIN	ES	SUG	JESTE	D GUIDE	LINES
Nitrate							B	and			Ba	ind			E	Band	
Olsen	7 ppm					LB/A	CRE	APPLICA	TION	LB/A	CRE	APPLICA	ΓΙΟΝ	LB/A	CRE	APPLI	CATION
Phosphorus	7 ppm	*****	*****			N	168			N	155			Ν	113		
Potassium	247 ppm	*****	*****	*****	*****	P <sub>2</sub> O <sub>5</sub>	45	Band	*	P <sub>2</sub> O <sub>5</sub>	37	Band	*	P <sub>2</sub> O <sub>5</sub>	31	Bai	nd *
Chloride						K <sub>2</sub> O	0			K <sub>2</sub> O	10	Band (Starte)		K <sub>2</sub> 0	3	Bai	nd *
						CI				CI				CI			
Sulfur						S				S				S			
Boron						В				В				В			
Zinc						Zn				Zn	1			Zn			
Iron Manganese						Fe				Fe				Fe			
Copper						Mn		1		Mn				Mn			
Magnesium						Cu		1		Cu				Cu			
Calcium						Mg				Mg				Mg			
Sodium						Lime				Lime				Lime			
Org.Matter									Cable	on Excl		% Ra	se Sat	uratio	n (Tv	pical Ra	nge)
Carbonate(CCE)						Soil p	DH B	Suffer pH		on Excr Capacit		% Ca	% M		к	% Na	% H
0-6" 6-24"	1.35 mmho/cm 1.14 mmho/cm					0-6" 7	.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	ILTE	ST	REPOF	RT					N			
(http://v Northwood	by Agvise Laborator www.agvise.com) d: (701) 587-6010 (320) 843-4109	ies	F C T	TIELD SAMPL TIELD COUNT WP SECTIO PREV.	E ID NAME 'Y ON	ELSE27 5 27	<b>'38</b> QTR	RANGE 2	21W ACRES	0	٧	v 					E
SUBM Perkins	1ITTED FOR:		5 E	5 FAB BOX 1				D BY:		51	REF ; LAB ;		16789 V1797		)X #	382	2
Date Sampled						C	Date Re	eceived	10/20	0/202	D		D	ate Re	porte	d 10/:	26/202
Nutrient In	n The Soil	In	terp	retati	on	1s	t Cro	p Choic	e	2n	d Cro	p Choic	e	3r	d Cro	op Cho	ice
0-6" 6-24"	11 lb/acre 12 lb/acre	VLow	Low	Med	High			ola-bu D GOAL				-Spring GOAL				/Pasture D GOAL	
		*****	***				50	BU			60	BU			4	Tons	
0-24''	23 lb/acre					SUGO		GUIDELI	IES	SUG		GUIDELIN	ES	SUG		) GUIDE	LINES
Vitrate								and				Ind				and	
Olsen	12 ppm	*****	*****	*****		LB/A	CRE 152	APPLICA	TION	LB/A	CRE 139	APPLICA	TION	LB/A	CRE 97	APPLI	CATION
Phosphorus Potassium	278 ppm	*****	*****	*****	*****	P <sub>2</sub> O <sub>5</sub>	33	Band	*	P <sub>2</sub> O <sub>5</sub>	27	Band <sup>;</sup>	*	P <sub>2</sub> O <sub>5</sub>	18	Bar	nd *
Chloride	270 ppm					K <sub>2</sub> O	0			K <sub>2</sub> O	10	Banc (Starter	1	K <sub>2</sub> O	0		
						CI				CI				CI			
Sulfur						S				S				S			
Boron						В				В				В			
Zinc						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									Cati	on Excl	ange	% Ba	se Sai	turatio	n (Tvr	oical Ra	nge)
Carbonate(CCE)						Soil p	DH B	uffer pH		Capacit		% Ca	% N			% Na	% H
<b>0-6"</b> <b>6-24"</b> Sol. Salts	1.11 mmho/cm 2.35 mmho/cm					0-6" <b>7</b> 6-24" <b>7</b>											

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			
	<b>SVISE</b>		F	IELD	ID I	ELSE27	'34						i I		i		
LA	BORATORIES			SAMPL									+				
	by Agvise Laborator	ies		IELD													
	www.agvise.com) d: (701) 587-6010			COUNT TWP		5		RANGE 2	) 1 \A/		V	/	-	_	_		E
	(320) 843-4109			SECTIO		27	QTR		ACRES	0							
<b>、</b>			F	PREV.	CROP								<u>i</u>				
SUBN	ITTED FOR:					SUBM	1ITTE	D BY:	HY48!	51							
Perkins			•	IYLIF	E LTD	-								S			
					AS ST	REET					REF i	# 31	16788	BC	X #	388	15
				30X 1		RIE, ME		R0A (			LAB a		V1797				
					UQUE	<b>KIE</b> , MI		KUA	7440								
Date Sampled						C	Date Re	eceived	10/20	0/2020	)		D	ate Re	porte	d <b>10/</b>	26/202
Nutrient I	n The Soil	In	terp	retati	on	1s	t Cro	p Choic	e	2n	d Cro	p Choice	e	3r	d Cro	op Cho	oice
		VLow	Low	Med	High		Can	ola-bu			Wheat-	Spring			Grass	/Pasture	:
0-6"	8 lb/acre						YIELD	D GOAL			YIELD	GOAL			YIEL	D GOAL	
6-24"	9 lb/acre	*****					50	BU			60					Tons	
0.041	( <b>-</b> 11 (																
0-24''	17 lb/acre					SUG	GESTED	) GUIDELIN	IES	SUGG	SESTED	GUIDELIN	ES	SUG	GESTE	D GUIDE	LINES
Nitrate							B	and			Ва	nd			E	Band	
						LB/A	CRE	APPLICA	TION	LB/A	CRE	APPLICAT	TION	LB/A	CRE	APPLI	CATION
Olsen Phosphorus	11 ppm	*****	*****	*****		N	158			N	145			N	103		
Potassium	292 ppm	*****	*****	*****	*****	P <sub>2</sub> O <sub>5</sub>	35	Band	*	P <sub>2</sub> O <sub>5</sub>	29	Band '	*	P <sub>2</sub> O <sub>5</sub>	21	Bai	nd *
Chloride						K <sub>2</sub> O	о			K <sub>2</sub> O	10	Band (Starter		K <sub>2</sub> O	0		
						CI				CI				CI			
Sulfur						S				S				S			
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									Catio	on Excl	2000	% Ba	se Sat	uratio	י ( דעי	pical Ra	nae)
Carbonate(CCE)						Soil p	oH B	uffer pH		on Excr Capacit		% Ca	% M			% Na	% H
0-6"				******		0-6" 7	.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.

					SC	IL TE	EST	REPOF	RT					N			
	BORATORIES			IELD		ELSW1	1160						1				
	y Agvise Laborator	ies			NAME								+				
(http://w	ww.agvise.com)		C	COUNT							v	v					Е
	1: (701) 587-6010 (320) 843-4109			ΓWΡ SECTI		5 11	ОТП	RANGE 2	21W ACRES	•	•	•	1		I		-
Denson.	(320) 043 4103			PREV.		11	QTR	R <b>SW</b>	ACKES	U							
SUBM	ITTED FOR:					SUBM	1ITTE	D BY:	HY48	51							
Perkins					E LTD									S			
				5 FAB 30X 1	AS ST	REET					REF #	# 31	1679	<b>0</b> BC	)X #	389	0
						RIE, ME	3	ROA (	owo		LAB ;	# NV	V1797	785			
Date Sampled						C	Date Re	eceived	10/2	0/202	D		D	ate Re	porte	d <b>10/</b> 3	26/202
Nutrient Ir	n The Soil	In	terp	retati	ion	1s	st Cro	p Choic	e	2n	d Cro	p Choic	e	3r	d Cr	op Cho	oice
		VLow	Low	Med	High		Can	ola-bu			Wheat-	-Spring			Grass	s/Pasture	!
0-6" 6-24"	22 lb/acre 39 lb/acre						YIELD	D GOAL			YIELD	GOAL			YIEL	D GOAL	
		*****	*****	*****	*****		50	BU			60	BU			4	Tons	
0-24''	61 lb/acre					SUGO	GESTED	O GUIDELIN	NES	SUG	GESTED	GUIDELIN	IES	SUG	GESTE	D GUIDE	LINES
Nitrate							B	and			Ba	ind			E	Band	
						LB/A	CRE	APPLICA	TION	LB/A	CRE	APPLICA	TION	LB/A	CRE	APPLI	CATION
Olsen Phosphorus	14 ppm	*****	*****	******	****	N	114			N	101			Ν	59		
Potassium	271 ppm	*****	*****	*****	*****	P <sub>2</sub> O <sub>5</sub>	28	Band	*	P <sub>2</sub> O <sub>5</sub>	23	Band	*	$P_2O_5$	13	Bai	nd *
Chloride						K <sub>2</sub> O	0			K <sub>2</sub> O	10	Band (Starter		K <sub>2</sub> O	0		
						CI				CI				CI			
Sulfur						S				S				S			
Boron						В				В	1			В		1	
Zinc						Zn				Zn				Zn			
Iron						Fe				Fe				Fe			
Manganese Copper						Mn				Mn				Mn			
Magnesium						Cu				Cu				Cu		-	
Calcium						Mg				Mg				Mg			
Sodium						Lime				Lime				Lime			
Org.Matter						Linte											
Carbonate(CCE)						Soil p	он в	Suffer pH		on Excl Capacit		% Ba % Ca	se Sat % M		n (Ty o K	pical Ra % Na	nge) % H
0-6" 6-24" Sol. Salts	1.22 mmho/cm 0.86 mmho/cm					0-6" <b>8</b> 6-24" <b>8</b>						70 Cu	70 1			70 Ma	7011

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			
	BORATORIES			IELD		ELSW1	2160										
	oy Agvise Laborator vww.agvise.com)	ies	F		NAME								+				_
	d: (701) 587-6010 (320) 843-4109		5	TWP SECTIO PREV.	ON	5 12	QTF	RANGE 2 R <b>SW</b> A	21W ACRES	0	V	v 					E
SUBM Perkins	1ITTED FOR:				E LTD		IITTE	D BY:	HY48	51				S			
			E	30X 1	00	RIE, ME	3	R0A (	owo		REF : LAB :		16792 V1797		)X #	382	22
Date Sampled						D	ate R	eceived	10/2	0/202	D		D	ate Re	porte	ed <b>10/</b>	26/202
Nutrient I	n The Soil	In	terp	retati	on	1s	t Cro	p Choic	e	2n	d Cro	p Choice	e	3r	d Cr	op Cho	ice
0-6"	87 lb/acre	VLow	Low	Med	High			ola-bu D GOAL				-Spring GOAL				s/Pasture	!
6-24"	327 lb/acre	*****	*****	*****	*****		50					BU				Tons	
<b>0-24''</b> Nitrate	414 lb/acre					SUGO		O GUIDELIN	IES	SUGC		GUIDELIN	ES	SUG		D GUIDE	LINES
						LB/A		APPLICA	TION	LB/A		APPLICAT	TION	LB/A	CRE		CATION
Olsen Phosphorus	107 ppm	*****	*****	******	*****	N	0			N	10			N	0		
Potassium	650 ppm	*****	*****	* *****	*****	P <sub>2</sub> O <sub>5</sub> K <sub>2</sub> O	0			P <sub>2</sub> O <sub>5</sub> K <sub>2</sub> O	0	Banc		P <sub>2</sub> O <sub>5</sub> K <sub>2</sub> O	0		
Chloride						CI				CI		(Starter	-)*	CI			
Sulfur						S				S				S			
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	nange	% Ba	se Sat	turatio	n (Tv	pical Ra	nge)
Carbonate(CCE)						Soil p	DH B	Buffer pH		Capacit		% Ca	% M		δK	% Na	% H
<b>0-6"</b> <b>6-24"</b> Sol. Salts	0.99 mmho/cm 1.38 mmho/cm					0-6" <b>8</b> 6-24" <b>8</b>											

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					Ν			
A	<b>WISE</b>			IELD		ELSW1	9160						1				
	BORATORIES			SAMPL									+				
,	oy Agvise Laborator vww.agvise.com)	ies			NAME								1		i.		
	d: (701) 587-6010			WP		5		RANGE 2	20W		V	V	1		1		E
Benson:	(320) 843-4109		5	SECTIO	ON	19	QTR	SW /	ACRES	0			1		I.		
			F	PREV.	CROP								+				
SUBM	IITTED FOR:						1ITTE	D BY:	HY48	51			i I	S			
Perkins					ELTD									5			
				5 FAB 30X 1	AS ST	REET					REF #	# 31	1679	<b>3</b> BC	)X #	406	3
						RIE, ME	3	R0A (	owo		LAB ;	# NV	<b>N179</b> 2	787			
						,				)							
Date Sampled						D	Date Re	eceived	10/2	0/202	D		D	Date Re	porteo	d <b>10/</b>	26/202
·																	
Nutrient Ir	n The Soil	In	terp	retati	ion	1s	t Cro	p Choic	e	2n	d Cro	p Choic	e	3r	d Cro	op Cho	ice
		VLow	Low	Med	High		Can	ola-bu			Wheat-	-Spring			Grass	/Pasture	
0-6"	2 lb/acre						YIELD	GOAL			YIELD	GOAL			YIELI	D GOAL	
6-24"	15 lb/acre	*****	c				50	BU				BU				Tons	
0-24''	17 lb/acre																
	17 ib/acre					SUG	JESTED	GUIDELIN	NES	SUGG	SESTED	GUIDELIN	IES	SUG	GESTEL	D GUIDE	LINES
Nitrate							Ba	and			Ba	ind			В	and	
Olsen	8 ppm					LB/A	CRE	APPLICA	TION	LB/A	CRE	APPLICA	TION	LB/A	CRE	APPLI	CATION
Phosphorus	9 bhu	*****	*****			N	158			N	145			N	103		
Potassium	287 ppm	*****	*****	*****	*****	P <sub>2</sub> O <sub>5</sub>	43	Band	*	P <sub>2</sub> O <sub>5</sub>	35	Band	*	P <sub>2</sub> O <sub>5</sub>	28	Bai	nd *
						K <sub>2</sub> O	o			K <sub>2</sub> O	10	Band	d	K <sub>2</sub> O	o		
Chloride												(Starte	r)*				
						CI				CI				CI			
Sulfur						S				S				S			
Boron						В				В				В			
Zinc						Zn				Zn				Zn			
Iron						Fe				Fe				Fe			
Manganese						Mn				Mn				Mn			
Copper						Cu				Cu				Cu			
Magnesium																	
Calcium						Mg				Mg				Mg			
Sodium						Lime				Lime				Lime			
Org.Matter						0			Cati	on Excl	nange	% Ba	ise Sa	turatio	n (Typ	oical Ra	nge)
Carbonate(CCE)						Soil p	B	uffer pH		Capacit		% Ca	% N	1g %	δK	% Na	% H
0-6" 6-24"	0.9 mmho/cm 1.5 mmho/cm					0-6" 7											
Sol. Salts	.,					6-24" <b>8</b>	8.5										

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			
	BORATORIES		S	ield II Ample ield N	ID	ELSW2	0160						     +				
(http://w Northwood	y Agvise Laboratorie ww.agvise.com) : (701) 587-6010 (320) 843-4109	es	C( T) SI	OUNT WP ECTIO REV. C	Y I N I	5 20	QTR	RANGE 2 SW A	20W ACRES	0	V	v					E
SUBM Perkins	ITTED FOR:		5 B	YLIFE FABA OX 10 A BRO	AS ST			D BY:		51	REF =		1679 V179		)X #	404	2
Date Sampled						D	ate Re	eceived	10/2	0/2020	)		C	Date Re	ported	10/2	26/202
Nutrient Ir	1 The Soil	Int VLow	-	etati	<b>on</b> High	1s		p Choice	9	2n		p Choice	e	3r		p Cho	
0-6" 6-24"	8 lb/acre 9 lb/acre			Mea	High			ola-bu O GOAL				-Spring GOAL				'Pasture O GOAL	
0-24''	17 lb/acre	*****	:			SUGO	50 GESTED	BU GUIDELIN	IES	SUGO		BU GUIDELIN	ES	SUG		Tons GUIDE	LINES
litrate							Ba	and			Ba	and			Ba	and	
Olsen	4 ppm	*****				LB/A		APPLICA	TION	LB/A		APPLICAT	TION		CRE	APPLI	CATION
Phosphorus Potassium	169 ppm	*****	*****	* *****	***	N P <sub>2</sub> O <sub>5</sub>	158 53	Band	*	N P <sub>2</sub> O <sub>5</sub>	145 43	Band <sup>3</sup>	*	N P <sub>2</sub> O <sub>5</sub>	103 38	Bar	nd *
Chloride						K₂O CI	3	Band	*	K <sub>2</sub> O CI	13	Band <sup>3</sup>	*	K <sub>2</sub> O CI	23	Bar	nd *
Sulfur						S				S				S			
Boron Zinc						В				В				В			
ron						Zn				Zn				Zn			
langanese						Fe				Fe				Fe			
Copper						Mn				Mn				Mn			
lagnesium						Cu				Cu				Cu			
Calcium						Mg				Mg				Mg			
Sodium Org.Matter						Lime				Lime				Lime			
Carbonate(CCE)						Soil p	он в	uffer pH		on Exch				turatio			
0-6" 6-24" Sol. Salts	0.32 mmho/cm 0.51 mmho/cm			*		0-6" <b>8</b> 6-24" <b>8</b>				Capacit	ý	% Ca	%	ng %	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 TI	ST	REPOF	RT					N						
		FIELD ID ELSW24154 SAMPLE ID									i   							
Soil Analysis by Agvise Laboratories (http://www.agvise.com) Northwood: (701) 587-6010 Benson: (320) 843-4109					NAME								1					
					ΓY						v						Е	
					TWP         5         RANGE         21W           SECTION         24         QTR SW         ACRES         0           PREV. CROP										i			
				'KEV.	CRUP								1	-				
SUBMITTED FOR:						SUBM	1ITTE	D BY:	HY485	51								
Perkins					E LTD									S	2			
					AS ST	REET					REF #	# 31	1679	<b>6</b> BC	X #	406	3	
				3OX 1		RIE, MI	3	R0A (	owo		LAB #	# <b>NV</b>	V1797	789				
Date Sampled		T	•							-					-	d 10/2		
Nutrient Ir	Nutrient In The Soil Inte					1st Crop Choice 2r					a Cro	p Choic	9	3rd Crop Choice				
	0-6" 4 lb/acre 6-24" 3 lb/acre		Low	Med	High		Cano	ola-bu			Wheat-	Spring			Grass	/Pasture		
							YIELD	GOAL			YIELD	GOAL			YIEL	D GOAL		
0 24	***					50 BU					60 BU			4 Tons				
0-24''	7 lb/acre				SUGGESTED GUIDELINES SU						SESTED	GUIDELIN	ES	SUGGESTED GUIDELINES				
litrate						Band				Ba			Band					
Olsen	6 ppm	*****	****			LB/A	168	APPLICA	TION	LB/A	155	APPLICA	IION	LB/A	113	APPLI	CATION	
Phosphorus Potassium	203 ppm	*****			*****	P <sub>2</sub> O <sub>5</sub>	48	Band	*	P <sub>2</sub> O <sub>5</sub>	39	Band	*	P <sub>2</sub> O <sub>5</sub>	33	Bar	nd *	
	203 ppm	****	*****	******	*****	. 205				. 205		Band		. 20 5				
Chloride						K <sub>2</sub> O	0			K <sub>2</sub> O	10	(Starter		K <sub>2</sub> O	14	Bar	nd *	
						CI				CI		-	-	CI				
Sulfur						S				S				S				
3oron																		
linc						В				В				В				
ron						Zn				Zn				Zn				
langanese						Fe				Fe				Fe				
						Mn				Mn				Mn				
Copper						Cu				Cu				Cu				
								+			1					+		
Copper Magnesium Calcium						Mg				Mg				Mg				
Magnesium										-				Mg				
Magnesium Calcium Sodium						Mg Lime				Lime				Lime				
Magnesium Calcium Sodium Drg.Matter							oH B	uffer pH	Catio	Lime n Exch				Lime turatio		oical Ra		
Magnesium Calcium Sodium	0.61 mmho/cm					Lime		uffer pH	Catio	Lime		% Ba % Ca	se Sa % N	Lime turatio		oical Ra % Na	nge) % 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	REPOF	RT				Ņ									
Soil Analysis by Agvise Laboratories (http://www.agvise.com) Northwood: (701) 587-6010 Benson: (320) 843-4109					FIELD ID ELSW26151 SAMPLE ID FIELD NAME COUNTY TWP 5 RANGE 21W SECTION 26 QTR SW ACRES 0 PREV. CROP									E							
SUBM Perkins	5 E	SUBMITTED BY: HY4851 HYLIFE LTD. 5 FABAS STREET BOX 100 LA BROQUERIE, MB R0A 0W0									16799 V17979										
Date Sampled						C	Date Re	eceived	10/20	0/202	D		Dat	te Rep	oorteo	10/2	26/202				
Nutrient In	The Soil	In	terp	retati	on	1st Crop Choice 2r					nd Crop Choice			3rd Crop Choice							
0-6" 6-24"	14 lb/acre 9 lb/acre	VLow	Low	Med	High			ola-bu ) GOAL				-Spring GOAL				'Pasture O GOAL					
0-24''	23 lb/acre	*****	***		50 BU SUGGESTED GUIDELINES SU					SUGO	60 GESTED	BU GUIDELIN	ES	4 Tons SUGGESTED GUIDELINES							
itrate						Band					Band			Band							
Olsen	11 ppm	*****	*****			*****		*****		LB/A	CRE	APPLICA	TION	LB/A	CRE	APPLICAT	TION	LB/A	CRE	APPLI	CATION
hosphorus						N	152			N	139			N	97						
otassium	207 ppm	*****	*****	*****	*****	P <sub>2</sub> O <sub>5</sub> K <sub>2</sub> O	35 0	Band	*	P <sub>2</sub> O <sub>5</sub> K <sub>2</sub> O	29 10	Band <sup>*</sup> Band (Starter	I I	P <sub>2</sub> O <sub>5</sub> K <sub>2</sub> O	21 13	Ban	nd *				
Chloride						CI				CI		(oturter	,	CI							
ulfur						S				S				S							
oron						В				В				в							
ron						Zn				Zn				Zn							
anganese						Fe				Fe				Fe							
opper						Mn				Mn				Mn							
agnesium						Cu				Cu				Cu							
alcium						Mg				Mg				Mg							
Sodium						Lime				Lime			L	ime							
)rg.Matter								1	Catic	on Excl	ange	% Ba	se Satu	ration	(Typ	ical Ra	nge)				
Carbonate(CCE)						Soil p	oH B	uffer pH		Capacit		% Ca		% Mg % K		% Na	% H				
<b>0-6"</b> <b>6-24"</b> Sol. Salts	2.28 mmho/cm 3.64 mmho/cm	*****				0-6" <b>7</b> 6-24" <b>8</b>															

Crop 2: \*CAUTION: Seed-placed fertilizer can cause injury.\* May respond to starter P & K, even on high soil tests. High salinity may decrease crop yield. 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					
Soil Analysis by Agvise Laboratories (http://www.agvise.com) Northwood: (701) 587-6010 Benson: (320) 843-4109				FIELD FIELD COUNT FWP SECTIO PREV.	E ID NAME 'Y ON	ELSW2 5 26	<b>6101</b> QTR	RANGE 2 SW A	21W ACRES	V	v 			E			
SUBM Perkins	5 E	SUBMITTED BY: HY4851 HYLIFE LTD. 5 FABAS STREET BOX 100 LA BROQUERIE, MB ROA OWO															
Date Sampled						C	Date Re	eceived	10/20	0/2020	D		C	Date Re	porteo	10/	26/202
Nutrient In	Nutrient In The Soil Inte			rpretation 1st Crop Choice 2						2n	d Cro	p Choic	e	3rd Crop Choice			
0-6" 6-24"	11 lb/acre 12 lb/acre	VLow	Low	Med	High			ola-bu D GOAL BU			YIELD	-Spring GOAL BU			YIEL	/Pasture D GOAL Tons	
0-24''	23 lb/acre											GUIDELIN	SUGGESTED GUIDELINES				
Nitrate					Band						and		Band				
Olsen	11 ppm	*****	*****	*****	:	LB/A	CRE 152	APPLICA	TION	LB/A	CRE 139	APPLICA	TION	LB/A	00000000000000000000000000000000000000	APPLI	CATION
Phosphorus Potassium	263 ppm	*****	*****		*****	P <sub>2</sub> O <sub>5</sub>	35	Band	*	P <sub>2</sub> O <sub>5</sub>	29	Band	*	P <sub>2</sub> O <sub>5</sub>	21	Bar	nd *
Chloride	200 pp					K <sub>2</sub> O	0			K <sub>2</sub> O	10	Band (Starter	ł	K <sub>2</sub> O	0		
						CI				CI				CI			
Sulfur						S				S				S			
3oron						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									Cart			0/2 B 2	50 60		n (Tvr	ical Ra	nge)
Carbonate(CCE)						Soil p	DH B	uffer pH		on Exch Capacit		% Ca	% N			% Na	% H
<b>0-6"</b> <b>6-24"</b> Sol. Salts	0.94 mmho/cm 1.79 mmho/cm					0-6" <b>7</b> 6-24" <b>8</b>											

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.