# SOIL TEST REPORT

			SOIL TEST	ING LAB	NDSU I	DEPT 76 Pl	80 hone:	P.O. BO	X 6050 231-8942	FARC	GO, ND	58108	-6050					
To: ERIN 7465	GAU 88T	JGLER H ST	SW			Сору То:							<b>La</b> Cou Count	Lab No.: 3954 County: South Dakota County Agent:				
LEMMON SD 57638														Date Sampled: 11/3/2019 Date Received: 11/20/2019				
Sample Notes:										Dat	te Reported	a: 11,	/21/2019					
Section	: 28	Τ:	131 F		SC	TEST	RESUL	TS				Acres:						
Sample Number	рН 0-6"	Nitrogen N03-N lb/acre 0-6"0-24"2-4		Organic Matter % 0-6"	P ppm 0-6"	K ppm 0-6"	0-6"	Soluble Salts mmhos/cm 0-6" 24"24-48"		Zinc Zn ppm 0-6"	Iron Fe ppm 0-6"	Mn ppm 0-6"	Copper Cu ppm 0-6"	Sulfur SO4-S lb/acre 0-6"0-24"	Chlc C 1b/	oride 1 acre 0-24"		
1	7.6	4		2.9	4	201	0.27			0.5			0.4	8	10.4			
	SOIL TEST LEVELS																	
Very LowLowMedium(Response)(Likely Response)(Possible Response)									ise)	High (Occasiona ( Response	Ver 1) ( ) (Re	y High No ) sponse)						
рН PHOSPHORU POTASSIU	JS	The PPPF KKKK	Soil in th PPPPPPPPPPP KKKKKKKKKK	nis field PPPPPPPPP KKKKKKKKK	is MIL PPPPP KKKKKKK	DLY ALE	KALINE KKKKKP	KKKKKK	KKKKKKK	KKKKK	KKKKK	KKKKK	KKKKKKK	XKKKKKKKK	KKKKKK	KKKK++		
					REC	OMMEN	DATI	ons an	ID COM	MENTS	5							

For a 3 ton/acre goal of Grass (new seeding), apply:

95 lbs of P2O5 per acre

0 lbs of K2O per acre

Soil organic matter and clay content affect the performance of several herbicides. The organic matter level given above can be used as a guide in selecting herbicides and herbicide rates.

Apply 10 lbs of nitrogen per acre at seeding time.

If your soil has less than 2 ppm iron, 1 ppm manganese or 0.2 ppm copper it may be deficient in these nutrients. Since we do not have field response data from North Dakota on these nutrients we can not make a fertilizer recommendation.

#### SOIL TESTING METHODS

pH in water; NO3-N (lb/acre) extracted with water; OM (%) by ignition; P=Phosphorus; P(ppm) by Olson procedure; K(ppm) by 1N ammonium acetate; soluble salts (EC-mmhos/cm) in 1:1 soil:water; Zn, Fe, Mn, and Cu by DTPA; SO4-S (lb/acre) extracted with 500 ppm P as monobasic calcium phosphate; Cl (lb/acre) extracted with .01M Ca(NO3)2; Ca, Mg, Na by 1N ammonium acetate; NH4-N (ppm); CEC=Cation Exchange Capacity; CCE= % CaCO3 Equivalent; SAR= Sodium Absorption Ratio.

# SOIL TEST REPORT

			SOIL	TEST	ING LAB	NDSU I	DEPT 76 Pł	80 i none:	Р.О. ВО (701) :	x 6050 231-8942	FARG	GO, ND	58108	-6050					
TO . ERIN GAUGLER							Сору							La	ab No.:		3955		
7465 88TH ST SW						То:									County: South Dakota				
7403 00111 51 5W														Count	y Age	ent:			
LEMM	ON				SD 576	538								Dat	te Sa	mpled:	11/	3/2019	
														Dat	ce Re	ceived	: 11/2	20/2019	
Sample 1	Sample Notes: Date Reported: 11/21/2019																		
Section: 28 T: 131 R: 90							SC	IL	TEST	RESUL	TS					Acr	es:	80	
Sample Number	рН	Nitrogen N03-N			Organic Matter		K K		Soluble Salts mmhos/cm		Zinc Zn	Iron Fe ppm	Mn	Copper Cu	r Sulfur Ch SO4-S lb/acre lb		Chlor Cl	ide	
	lb/acre		e 2-4 '	% 0 { "	ppin o c"	Sur bbu		ppm			ppm 0-6"		ppm				ID/acre		
2	67	74	0 24	2 7	2 9	13	790	0 0	24	24-40	1 8	0-0	67.2	1 0	26	0-24	18.3	0-24	
2	0.7	/ 4			2.5	13	, 90	0.50		_	1.0		07.2	1.0	20		10.5		
SOIL TEST LEVELS																			
Very Low								Low				Medi	ım		High Very High				
(Response)								(Likely Response) (Po:					Respon	se)	(Occasional) ( No )				
															( Response ) (Response)				

рH	The Soil in this field is NEUTRAL
PHOSPHORUS POTASSIUM	₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽₽
	RECOMMENDATIONS AND COMMENTS

For a 3 ton/acre goal of Grass (new seeding), apply:

0 lbs of P2O5 per acre 0 lbs of K2O per acre

Soil organic matter and clay content affect the performance of several herbicides. The organic matter level given above can be used as a guide in selecting herbicides and herbicide rates.

Apply 10 lbs of nitrogen per acre at seeding time.

It is unlikely that a response will occur to applied zinc on this field.

If your soil has less than 2 ppm iron, 1 ppm manganese or 0.2 ppm copper it may be deficient in these nutrients. Since we do not have field response data from North Dakota on these nutrients we can not make a fertilizer recommendation.

### SOIL TESTING METHODS

pH in water; NO3-N (lb/acre) extracted with water; OM (%) by ignition; P=Phosphorus; P(ppm) by Olson procedure; K(ppm) by 1N ammonium acetate; soluble salts (EC-mmhos/cm) in 1:1 soil:water; Zn, Fe, Mn, and Cu by DTPA; SO4-S (lb/acre) extracted with 500 ppm P as monobasic calcium phosphate; Cl (lb/acre) extracted with .01M Ca(NO3)2; Ca, Mg, Na by 1N ammonium acetate; NH4-N (ppm); CEC=Cation Exchange Capacity; CCE= % CaCO3 Equivalent; SAR= Sodium Absorption Ratio.

# SOIL TEST REPORT

		SOIL TEST	ING LAB	NDSU I	)EPT 76 Pl	80 1 hone:	P.O. BO	X 6050 231-8942	FARG	GO, ND	58108	-6050					
To: ERIN GA 7465 88	AUGLER TH ST	SW		Сору То:								Lab No.: 3956 County: South Dakota					
LEMMON Sample Note	23.		SD 576	38									Date Sampled: 11/3/2019 Date Received: 11/20/2019 Date Reported: 11/21/2019				
Section: 2	8 T:	131 R	: 90		SOIL TEST RESULTS							Dat	Acres:				
Sample pH Number 0-6	pH Nitrogen N03-N lb/acre 0-6"0-24"2-4'			P ppm 0-6"	K ppm 0-6"	Soluble Salts mmhos/cm 0-6"   -24" 24-48"		e cm 24-48"	Zinc Zn ppm 0-6"	Iron Fe ppm 0-6"	Mn ppm 0-6"	Copper Cu ppm 0-6"	Sulfur SO4-S lb/acre 0-6"0-24"	Chlo C lb/a 0-6"	oride 1 acre 0-24"		
3 6.2	2 4		2.9	4	280	0.13			0.8		19.4	0.5	3	14.3	-		
SOIL TEST LEVELS																	
		Very (Resp	Low onse)		Low Medium High (Likely Response) (Possible Response) (Occasional) ( Response )								Ver 1) ( ) (Res	y High No ) sponse)			
ph Phosphorus Potassium	The PPPF KKKK	Soil in tř PPPPPPPPPP KKKKKKKKK	nis field PPPPPPPPP KKKKKKKKK	is SLI PPPP KKKKKK	GHTLY Z	ACID		KKKKKK	(KKKKK	KKKKK	KKKKK	XKKKKKKK	KKKKKKKKK	KKKKK	KKKK++		

For a 3 ton/acre goal of Grass (new seeding), apply:

95 lbs of P2O5 per acre 0 lbs of K20 per acre

Soil organic matter and clay content affect the performance of several herbicides. The organic matter level given above can be used as a guide in selecting herbicides and herbicide rates.

Apply 10 lbs of nitrogen per acre at seeding time.

If your soil has less than 2 ppm iron, 1 ppm manganese or 0.2 ppm copper it may be deficient in these nutrients. Since we do not have field response data from North Dakota on these nutrients we can not make a fertilizer recommendation.

### SOIL TESTING METHODS

pH in water; NO3-N (lb/acre) extracted with water; OM (%) by ignition; P=Phosphorus; P(ppm) by Olson procedure; K(ppm) by 1N ammonium acetate; soluble salts (EC-mmhos/cm) in 1:1 soil:water; Zn, Fe, Mn, and Cu by DTPA; SO4-S (lb/acre) extracted with 500 ppm P as monobasic calcium phosphate; Cl (lb/acre) extracted with .01M Ca(NO3)2; Ca, Mg, Na by 1N ammonium acetate; NH4-N (ppm); CEC=Cation Exchange Capacity; CCE= % CaCO3 Equivalent; SAR= Sodium Absorption Ratio.