

<https://soilplantlab.missouri.edu/>

FIELD INFORMATION			
Field ID SOUTH HAY		Sample no 1	
Acres 35	Last Limed < 1 yr	Irrigated No	
Last crop 18 COOL SEASON GRASS HAY		FSA Copy N	

Serial no. T13892-1	Lab no. C2113929
County Laclede	Region 7
Submitted 8/4/2021	Processed 8/11/2021

Soil sample submitted by: Firm Number: Outlet:

This report is for:

 DAVID RUGGLES
 14365 HWY Z
 FALCON MO 65470

KBRUGGLES@GMAIL.COM

SOIL TEST INFORMATION			RATING					
			Very Low	Low	Medium	High	Very High	Excess
pH _e (salt pH)	6.2		*****	*****	*****	*****	*****	*****
Phosphorus (P)	25 lbs/A		*****	*****	*****	*****	*****	*****
Potassium (K)	133 lbs/A		*****	*****	*****	*****	*****	*****
Calcium (Ca)	2547 lbs/A		*****	*****	*****	*****	*****	*****
Magnesium (Mg)	165 lbs/A		*****	*****	*****	*****	*****	*****
Sulfur (SO ₄ -S)	ppm							
Zinc (Zn)	ppm							
Manganese (Mn)	ppm							
Iron (Fe)	ppm							
Copper (Cu)	ppm							
Organic matter	3.8 %	Neutralizable acidity	1.0 meq/100g	Cation Exch. Capacity 8.2 meq/100g				
PH in water		Electrical Conductivity		Sodium (Na) lbs/A				
Nitrate (NO ₃ -N) Topsoil	ppm	Subsoil	ppm	Sampling Depth	Top	Inches	Subsoil	Inches
NUTRIENT REQUIREMENTS								
Cropping options		Yield goal	Pounds per acre					LIMESTONE SUGGESTIONS
			N	P ₂ O ₅	K ₂ O	Zn	S	
18 COOL SEASON GRASS HAY		2 T/A	80	35	95			Effective Neutralizing Material (ENM)
18 COOL SEASON GRASS HAY		3 T/A	120	45	125			0
6 OVERSEEDING LEGUMES		0	0	35	25			Effective magnesium (EMg)

Comments

- For hay production apply nitrogen just before spring growth begins (typically March). Consider splitting nitrogen applications if the rate exceeds 90 lbs N/acre, applying 60% in March and the balance in mid August.
- Some herbicide labels list restrictions based on soil pH in water. This sample has an estimated pH in water of 6.7. Use this estimated pH in water as a guide. If you wish to have soil pH in water analyzed, contact your dealer or Extension specialist listed below.
- No nitrogen fertilizer is recommended when establishing legumes because it promotes grass and weed competition.
- ***Limestone is not currently recommended. For a future limestone application, suggest using dolomitic limestone if readily available, but yield response to magnesium is not likely.

THIS FIELD LOOKS GOOD

Just follow your FERT. RECOMMENDATION.

Regional Agronomy Specialist William Halleran

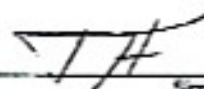
White-Farmer, Yellow-FSA, Blue-Firm, Pink-Extension

Phone 417-745-6767

MP 180 Revised 1/96

University of Missouri, Lincoln University, U.S. Department of Agriculture & Local University Extension Councils Cooperating

Equal opportunity institutions



 Signature
 Columbia

Conservation Plan Map

Customer(s): DAVID RUGGLES
 District: LACLEDE COUNTY SOIL & WATER CONSERVATION DISTRICT
 Legal Description: Section 25, T33N, R14W
 F5942, T8147
 HUC: 102902010304
 Scale: 1:7,601
 92°25'31.249"W 37°32'21.592"N

Assisted By: JIMMIE HAINES



Prepared with assistance from USDA-Natural Resources Conservation Service

770 0 770 1,540 2,310 3,080 Feet

DSP-3.4 Grazing System Lime completed on Fields 19E, 14W, 15, 18, & 20N (84 Acres) on 7/27/20

USDA DSP-3.5 Grazing System Seed Planned FY21 on Fields 14W (15.8 Acres) 14E (17.2 Acres)

