



PERRY AGRICULTURAL LABORATORY, INC.
 P.O. BOX 418, HIGHWAY 54 EAST
 BOWLING GREEN, MO 63334
 573/324-2931 | www.perryaglab.com

CONTROL ID	77387	REPORT NUMBER	D0241	DATE	04/18/2024
------------	-------	---------------	-------	------	------------

SUBMITTED FOR:

SEND TO:

DENNIS BARTCH
 1411 MEINERSHAGEN
 FORISTELL, MO 63348

SOIL REPORT

RATING

VERY LOW	LOW	MODERATE	DESIRED	VERY HIGH	EXCESS
----------	-----	----------	---------	-----------	--------

GROWER:		pH (Salt)	5.59	[Bar chart: Moderate]	
FARM:		PHOSPHORUS (P)	7 lbs/a	[Bar chart: Low]	
FIELD:		SULFUR (SO4-S)	8 lbs/a	[Bar chart: Low]	
SAMPLE:	BEANS	CALCIUM (Ca)	3319 lbs/a	[Bar chart: Excess]	
ACRES:	0.00	MAGNESIUM (Mg)	300 lbs/a	[Bar chart: Moderate]	
CEC:	10.86 me	POTASSIUM (K)	88 lbs/a	[Bar chart: Low]	
SOIL TEXTURE:	Silt Loam	SODIUM (Na)	lbs/a		
ORGANIC MATTER:	1.73 %	Salts	dS/m		
Neut. A:	1.20	BORON (B)	0.56 ppm	[Bar chart: Low]	
BASE SATURATION PERCENT		IRON (Fe)	455.60 ppm	[Bar chart: Excess]	
		MANGANESE (Mn)	34.93 ppm	[Bar chart: Moderate]	
CALCIUM:	76.40	COPPER (Cu)	1.00 ppm	[Bar chart: Moderate]	
MAGNESIUM:	11.51	ZINC (Zn)	4.35 ppm	[Bar chart: Low]	
POTASSIUM:	1.04	CHLORIDES (Cl)	ppm		

SOIL FERTILITY RECOMMENDATIONS

CROPPING OPTIONS	YIELD GOAL	SUGGESTED TREATMENT POUNDS / ACRE									
		NITROGEN N	PHOSPHATE P2O5	POTASH K2O	SULFUR S	BORON B	IRON Fe	MANGANESE Mn	COPPER Cu	ZINC Zn	
GAME PLOT Ton/AC	4	50	87	125	10	1	0	5	1	10	
SOYBEANS BU/AC	50	0	98	140	10	1	0	5	1	10	
DATE/AMOUNT APPLIED											

LIME RECOMMENDATIONS:

lbs ENM/A: 341
 Apply 2.0 tons of lime.

APPLIED:

COMMENTS:

*Lime recommendation calculated based on a 420 ENM Ag Lime.



PERRY AGRICULTURAL LABORATORY, INC.
 P.O. BOX 418, HIGHWAY 54 EAST
 BOWLING GREEN, MO 63334
 573/324-2931 | www.perryaglab.com

CONTROL ID	77387	REPORT NUMBER	D0242	DATE	04/18/2024
------------	-------	---------------	-------	------	------------

SUBMITTED FOR:

SEND TO:

DENNIS BARTCH
 1411 MEINERSHAGEN
 FORISTELL, MO 63348

SOIL REPORT

RATING

VERY LOW	LOW	MODERATE	DESIRED	VERY HIGH	EXCESS
----------	-----	----------	---------	-----------	--------

GROWER:		pH (Salt)	5.58	
FARM:		PHOSPHORUS (P)	8 lbs/a	
FIELD:		SULFUR (SO4-S)	11 lbs/a	
SAMPLE:	CORN	CALCIUM (Ca)	3479 lbs/a	
ACRES:	0.00	MAGNESIUM (Mg)	324 lbs/a	
CEC:	12.28 me	POTASSIUM (K)	109 lbs/a	
SOIL TEXTURE:	Silt Loam	SODIUM (Na)	lbs/a	
ORGANIC MATTER:	1.93 %	Salts	dS/m	
Neut. A:	2.10	BORON (B)	0.55 ppm	
BASE SATURATION PERCENT		IRON (Fe)	453.58 ppm	
CALCIUM:	70.79	MANGANESE (Mn)	45.95 ppm	
MAGNESIUM:	10.97	COPPER (Cu)	1.13 ppm	
POTASSIUM:	1.14	ZINC (Zn)	4.47 ppm	
		CHLORIDES (Cl)	ppm	

SOIL FERTILITY RECOMMENDATIONS

CROPPING OPTIONS	YIELD GOAL	SUGGESTED TREATMENT POUNDS / ACRE										
		NITROGEN N	PHOSPHATE P2O5	POTASH K2O	SULFUR S	BORON B	IRON Fe	MANGANESE Mn	COPPER Cu	ZINC Zn		
GAME PLOT	Ton/AC	4	50	85	118	10	1	0	0	1	10	
CORN	BU/AC	150	171	121	105	10	1	0	0	1	10	
DATE/AMOUNT APPLIED												

LIME RECOMMENDATIONS:

lbs ENM/A: 600
 Apply 2.0 tons of lime.

APPLIED:

COMMENTS:

*Lime recommendation calculated based on a 420 ENM Ag Lime.



PERRY AGRICULTURAL LABORATORY, INC.
 P.O. BOX 418, HIGHWAY 54 EAST
 BOWLING GREEN, MO 63334
 573/324-2931 | www.perryaglab.com

CONTROL ID	77387	REPORT NUMBER	D0240	DATE	04/18/2024
------------	-------	---------------	-------	------	------------

SUBMITTED FOR:

SEND TO:

DENNIS BARTCH
 1411 MEINERSHAGEN
 FORISTELL, MO 63348

SOIL REPORT

RATING

VERY LOW	LOW	MODERATE	DESIRED	VERY HIGH	EXCESS
----------	-----	----------	---------	-----------	--------

GROWER:		pH (Salt)	4.67	
FARM:		PHOSPHORUS (P)	10 lbs/a	
FIELD:		SULFUR (SO4-S)	15 lbs/a	
SAMPLE:	ALFALFA	CALCIUM (Ca)	2393 lbs/a	
ACRES:	0.00	MAGNESIUM (Mg)	342 lbs/a	
CEC:	9.75 me	POTASSIUM (K)	111 lbs/a	
SOIL TEXTURE:	Sandy Loam	SODIUM (Na)	lbs/a	
ORGANIC MATTER:	1.96 %	Salts	dS/m	
Neut. A:	2.20	BORON (B)	0.54 ppm	
BASE SATURATION PERCENT		IRON (Fe)	421.12 ppm	
CALCIUM:	61.36	MANGANESE (Mn)	42.76 ppm	
MAGNESIUM:	14.61	COPPER (Cu)	1.07 ppm	
POTASSIUM:	1.46	ZINC (Zn)	4.90 ppm	
		CHLORIDES (Cl)	ppm	

SOIL FERTILITY RECOMMENDATIONS

CROPPING OPTIONS	YIELD GOAL	SUGGESTED TREATMENT POUNDS / ACRE										
		NITROGEN N	PHOSPHATE P2O5	POTASH K2O	SULFUR S	BORON B	IRON Fe	MANGANESE Mn	COPPER Cu	ZINC Zn		
GAME PLOT	Ton/AC	4	30	80	113	10	1	0	5	1	10	
ALFALFA-GRASS	EstAB	1	30	49	55	10	1	0	5	1	10	
DATE/AMOUNT APPLIED												

LIME RECOMMENDATIONS:

lbs ENM/A: 754
 Apply 2.0 tons of lime.

APPLIED:

COMMENTS:

*Lime recommendation calculated based on a 420 ENM Ag Lime.