Sample Customer

ROAD MAP

Sample Customer

Maximum Farming

FIELD BOUNDARY

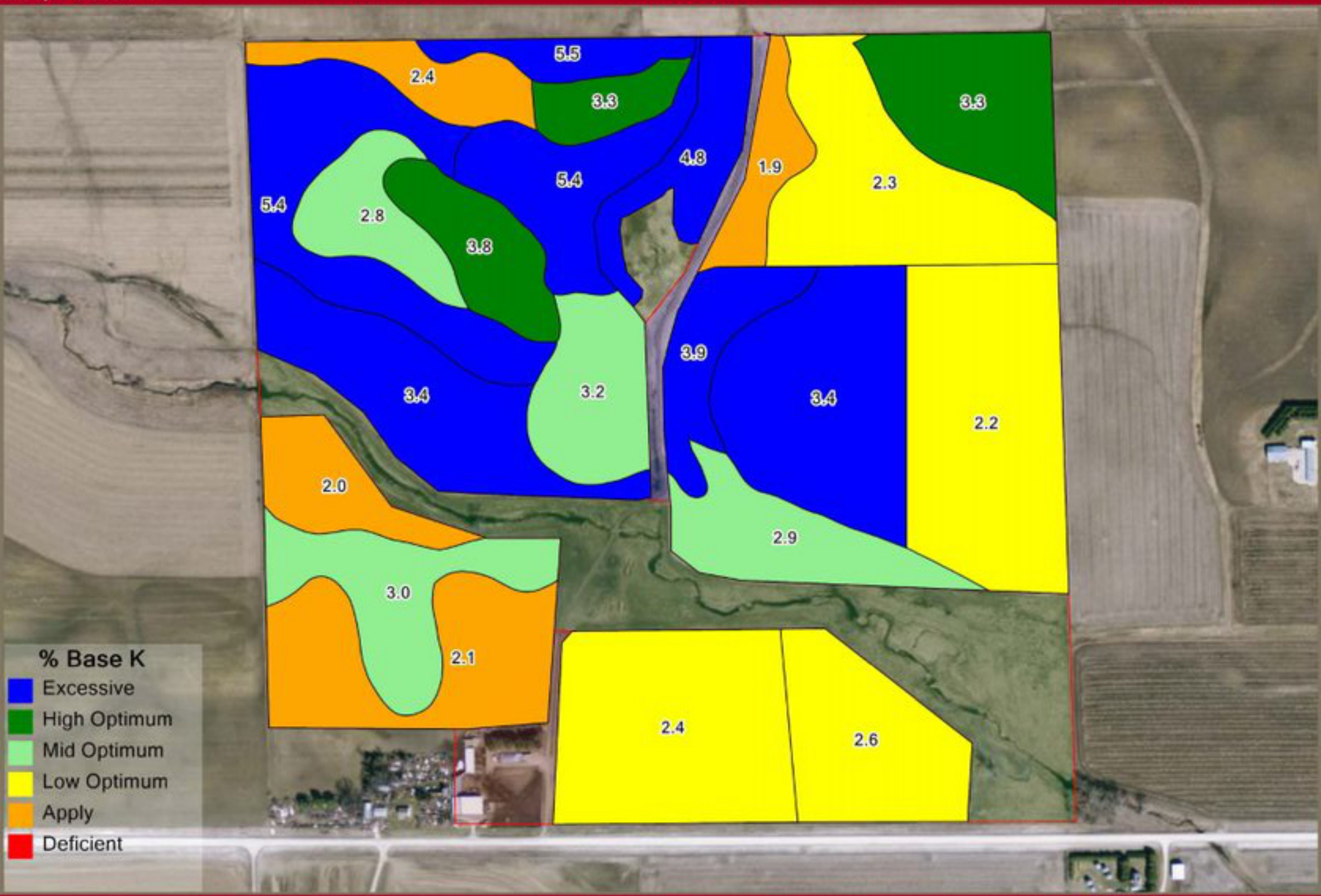
SAMPLE FIELD

Sample Customer

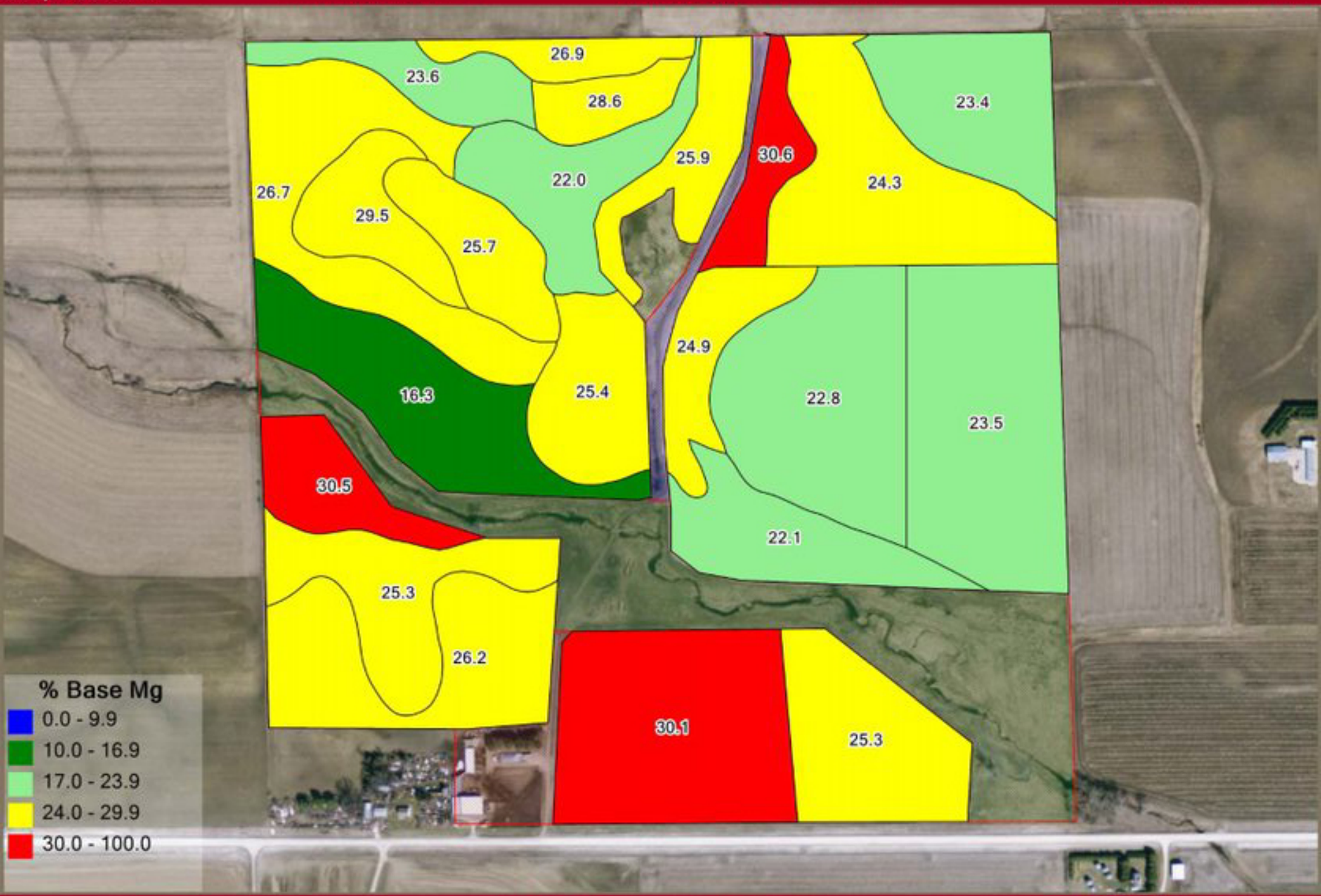

Soil Types
1152
1489B
162C
162D
162E2
178
198B
221
444B
480C2
480D2
480E2
482B
489
512C2
582B
582C
813B
98
162C
162D
162D
480E2
489
480C2
198B
1489B
489
482B
582C
582B
221
221
582C
198B
198B
489
1152
489
582C
482B
1152
1152
512C2
444B
813B
813B
162D
178
1152

Sample Customer

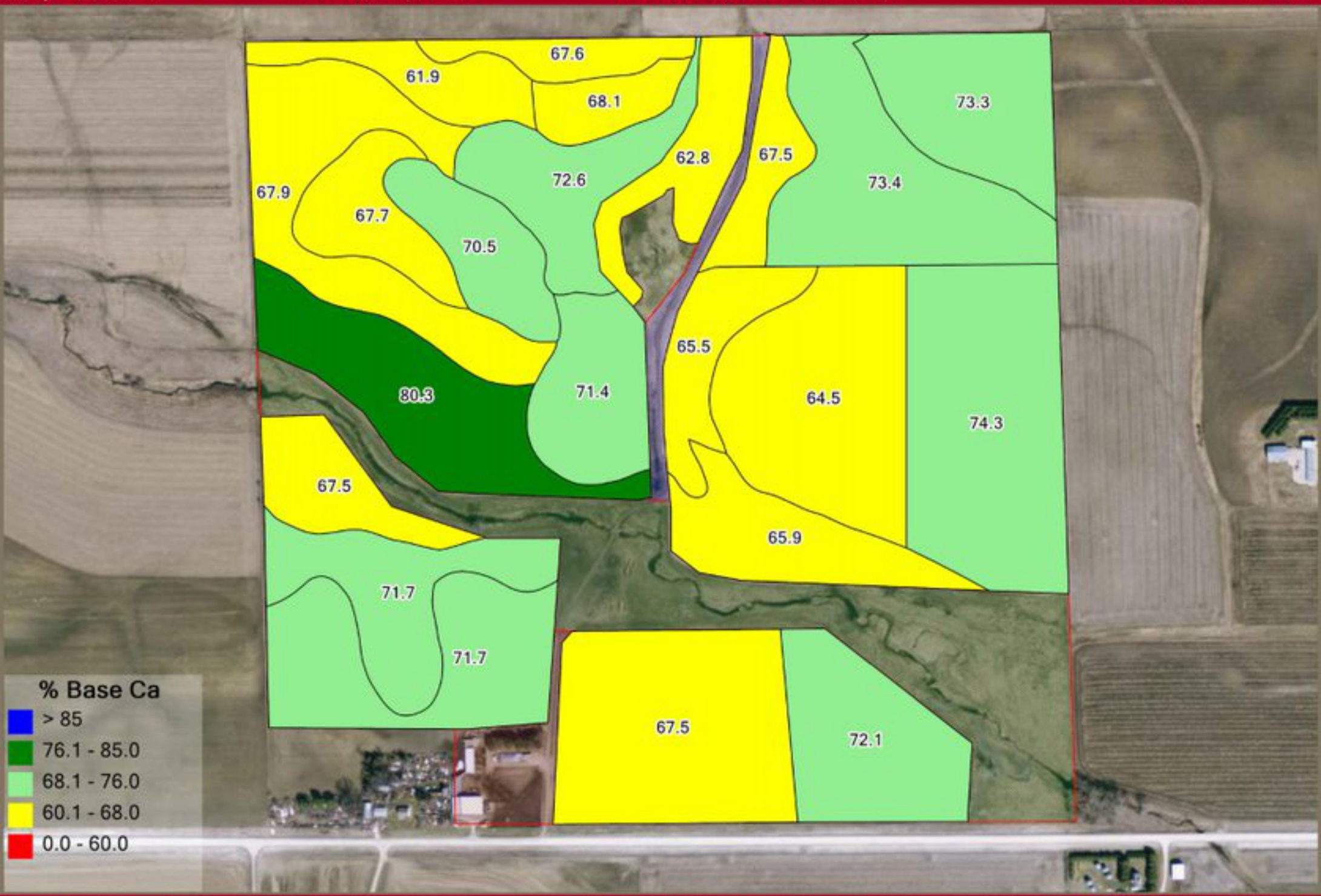
Map Symbol	Acres	% Of Field	Long Name
1152	18.5	14.5%	Marshan loam, 0 to 2 percent slopes, rarely flooded
1489B	4.1	3.2%	Lawson-Ossian complex, 0 to 4 percent slopes
162C	0.9	0.7%	Downs silt loam, 5 to 9 percent slopes
162D	4.6	3.6%	Downs silt loam, 9 to 14 percent slopes
162E2	0.2	0.1%	Downs silt loam, 14 to 18 percent slopes, moderately eroded
178	14.6	11.5%	Waukee loam, 0 to 2 percent slopes
198B	9.1	7.1%	Floyd loam, 1 to 4 percent slopes
221	1.9	1.5%	Klossner muck, 0 to 2 percent slopes
444B	4.5	3.5%	Jacwin loam, 2 to 5 percent slopes
480C2	5.5	4.3%	Orwood silt loam, 5 to 9 percent slopes, moderately eroded
480D2	0.2	0.2%	Orwood silt loam, 9 to 14 percent slopes, moderately eroded
480E2	2.1	1.7%	Orwood silt loam, 14 to 18 percent slopes, moderately eroded
482B	29.1	22.9%	Racine loam, 2 to 5 percent slopes
489	11.7	9.2%	Ossian silt loam, 0 to 3 percent slopes, occasionally flooded
512C2	1.3	1.0%	Marlean loam, 5 to 9 percent slopes, moderately eroded
582B	3.8	3.0%	Kasson loam, 2 to 5 percent slopes
582C	7.1	5.6%	Kasson loam, 5 to 9 percent slopes
813B	8.0	6.3%	Atkinson loam, 2 to 5 percent slopes
98	0.1	0.0%	Huntsville silt loam, 0 to 2 percent slopes, occasionally flooded

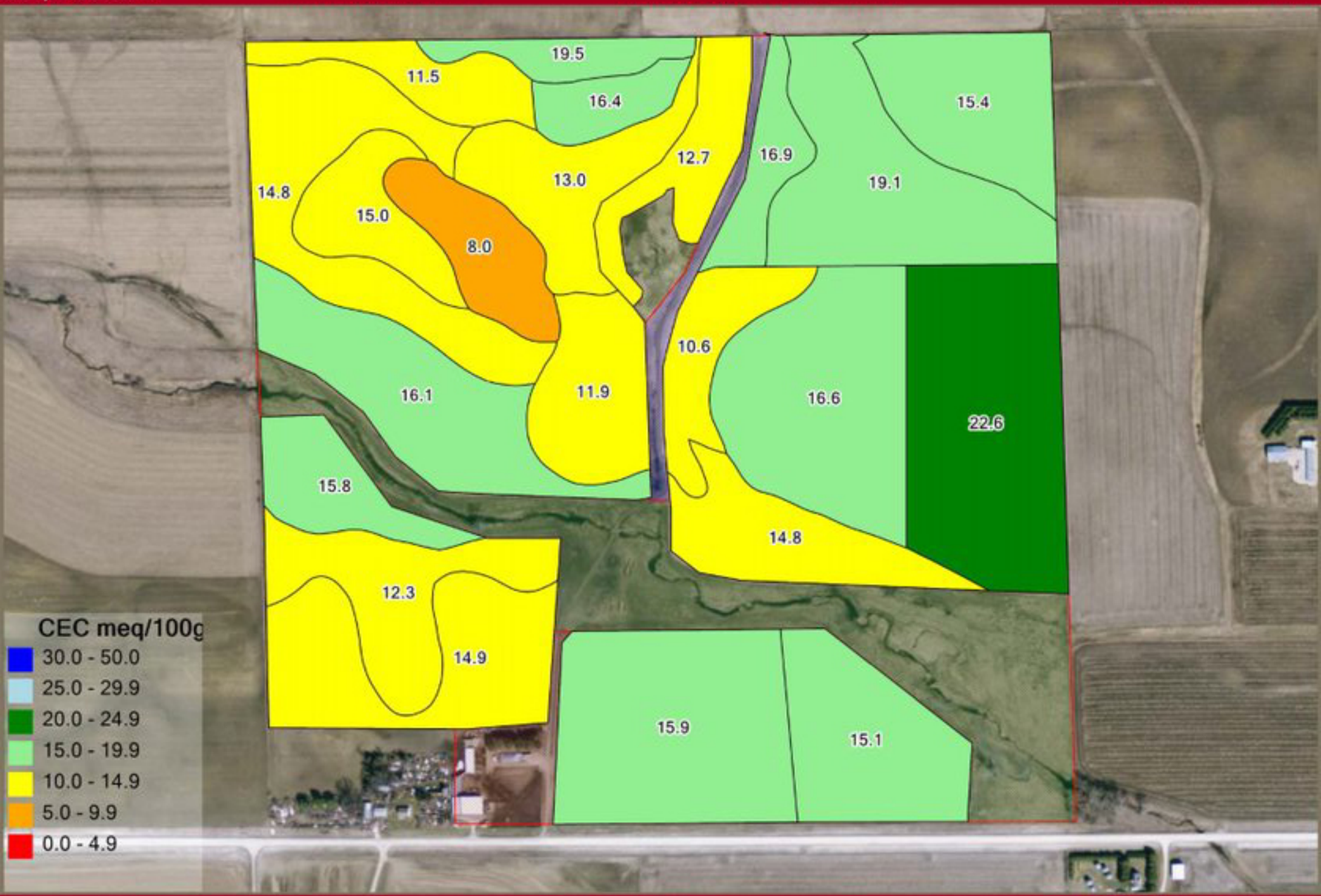

5.5
2.4
3.3
4.8
5.4
5.4
2.8
3.8
1.9
2.3
3.3
3.9
3.4
3.2
3.4
2.2
2.0
2.9
3.0
2.1
2.4
2.6
% Base K
Excessive
High Optimum
Mid Optimum
Low Optimum
Apply
Deficient

Sample Customer




0.0
% Base Na
0.0% - 0.1%
0.2% - 1.9%
2.0% - 3.9%
4.0% - 5.9%
6.0% - 7.9%
8.0% - 10%
> 10%

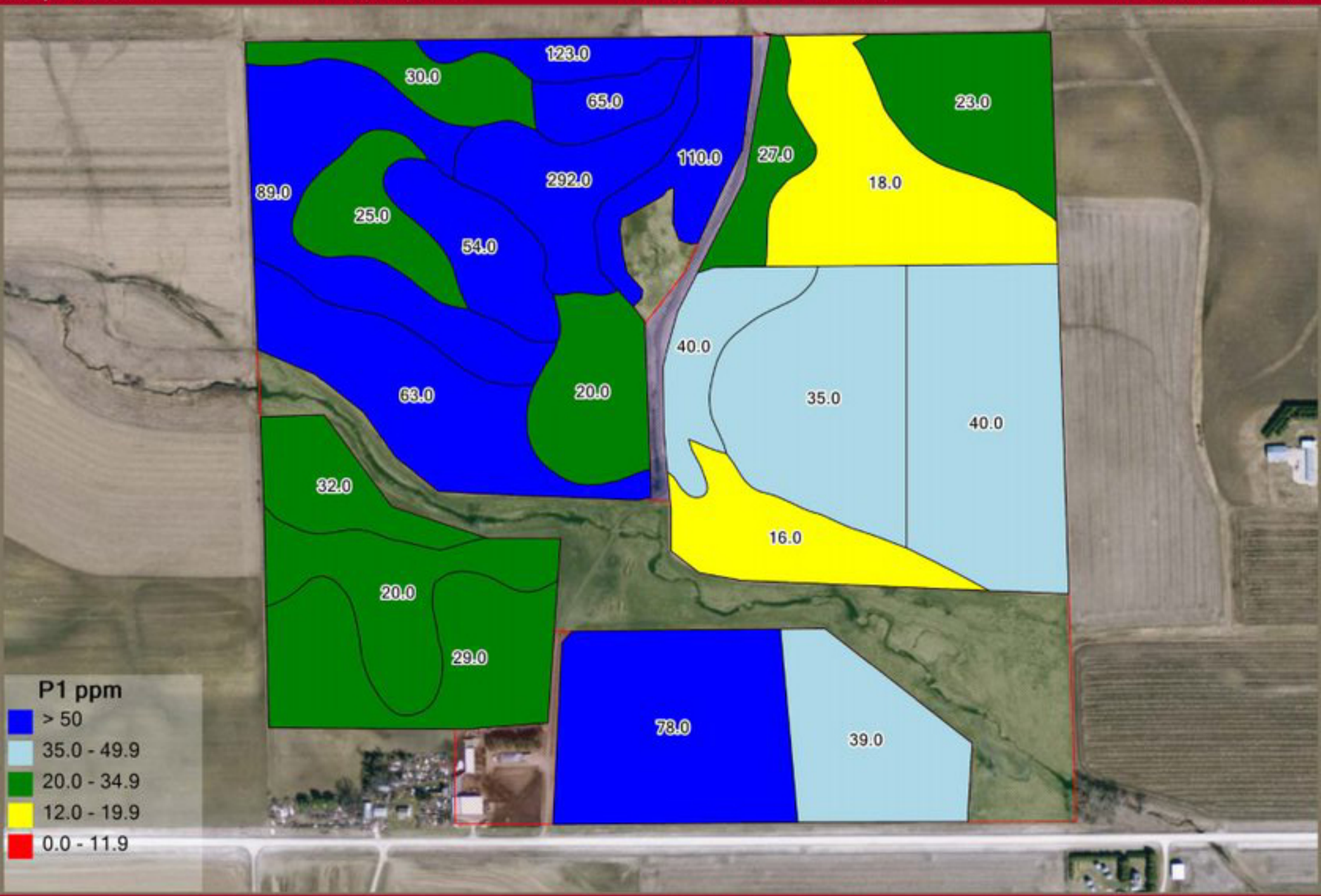

67.6
61.9
68.1
73.3
62.8
67.5
72.6
73.4
67.9
67.7
70.5
65.5
80.3
71.4
64.5
74.3
67.5
65.9
71.7
71.7
67.5
72.1
% Base Ca
> 85
76.1 - 85.0
68.1 - 76.0
60.1 - 68.0
0.0 - 60.0


19.5
11.5
16.4
15.4
12.7
16.9
13.0
19.1
14.8
15.0
8.0
10.6
16.1
11.9
16.6
22.6
15.8
14.8
12.3
14.9
15.9
15.1
CEC meq/100g
30.0 - 50.0
25.0 - 29.9
20.0 - 24.9
15.0 - 19.9
10.0 - 14.9
5.0 - 9.9
0.0 - 4.9

This recommendation is only valid when used in conjunction with all other elements of the Maximum Farming System as recommended by Ag Spectrum.


3.9
2.2
3.4
3.2
2.8
3.0
2.4
3.7
3.1
3.4
1.4
1.9
3.6
4.7
2.9
2.4
3.6
2.6
3.1
2.7
3.1
2.7
Organic Matter
6.0% - 15.0%
5.0% - 5.9%
4.0% - 4.9%
3.0% - 3.9%
2.0% - 2.9%
1.0% - 1.9%
0.0% - 0.9%


7.2
6.2
6.8
6.7
7.7
6.6
7.3
6.9
6.9
6.7
7.2
7.1
6.7
6.6
6.4
7.0
7.2
6.4
6.9
7.1
7.0
7.0
pH
> 7.2
7.0 - 7.2
6.2 - 6.9
5.4 - 6.1
< 5.4


123.0
30.0
65.0
23.0
110.0
27.0
89.0
292.0
18.0
25.0
54.0
40.0
35.0
40.0
63.0
20.0
32.0
16.0
20.0
29.0
78.0
39.0
P1 ppm
> 50
35.0 - 49.9
20.0 - 34.9
12.0 - 19.9
0.0 - 11.9

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Sample Customer

This recommendation is only valid when used in conjunction with all other elements of the Maximum Farming System as recommended by Ag Spectrum.
Lime source 'Martin-Marietta - Cloverdale 3/15/17' has a pH of 8.6 and should be incorporated into the soil. Read and follow all pesticide labels paying specific attention to any pH related admonitions.
Lime source 'Boone Quarry - 2/22/17' has a pH of 7.7 and should be incorporated into the soil. Read and follow all pesticide labels paying specific attention to any pH related admonitions.

Sample Customer

All averages are weighted against acres

Field	OM ppm					P1 ppm					P2 ppm				
	2003	2005	2009	2014	2017	2003	2005	2009	2014	2017	2003	2005	2009	2014	2017
Sample Field	-	3.5	-	2.8	3.1	-	83.8	-	44.0	55.5	-	108.1	-	60.5	70.5
Sample Field Old	2.9	-	2.3	-	-	25.3	-	46.5	-	-	42.2	-	58.0	-	-

Field	K ppm					Mg ppm					Ca ppm				
	2003	2005	2009	2014	2017	2003	2005	2009	2014	2017	2003	2005	2009	2014	2017
Sample Field	-	231.1	-	202.2	187.3	-	316.9	-	515.8	466.8	-	1,836.1	-	2,239.2	2,208.6
Sample Field Old	194.8	-	247.6	-	-	343.1	-	208.4	-	-	1,912.3	-	1,161.1	-	-

Field	pH					CEC					%K				
	2003	2005	2009	2014	2017	2003	2005	2009	2014	2017	2003	2005	2009	2014	2017
Sample Field	-	6.8	-	6.6	6.9	-	12.8	-	17.0	15.7	-	4.7	-	3.1	3.2
Sample Field Old	6.9	-	6.0	-	-	13.2	-	9.7	-	-	3.8	-	6.5	-	-

Field	%Mg					%Ca					H				
	2003	2005	2009	2014	2017	2003	2005	2009	2014	2017	2003	2005	2009	2014	2017
Sample Field	-	20.8	-	25.2	24.9	-	72.1	-	65.5	70.2	-	0.0	-	6.2	1.7
Sample Field Old	21.5	-	17.9	-	-	72.8	-	59.8	-	-	1.8	-	15.8	-	-

Sample Customer

Sample ID	%OM	P1 ppm	P2 ppm	Bi P ppm	K ppm	Mg ppm	Ca ppm	pH	Bph	CEC meq/100g	%K	%Mg	%Ca	%H	%Na	S ppm	Fe ppm
A1	4.7	40	67	0	195	637	3,363	7.0	7.1	22.6	2.2	23.5	74.3	0.0	0.0	8	0
A2	3.7	18	26	0	169	556	2,815	6.9	7.1	19.1	2.3	24.3	73.4	0.0	0.0	7	0
A3	3.2	23	32	0	198	433	2,255	6.7	7.1	15.4	3.3	23.4	73.3	0.0	0.0	8	0
A4	2.6	16	21	0	166	393	1,950	6.4	6.8	14.8	2.9	22.1	65.9	9.1	0.0	9	0
A5	2.7	39	55	0	152	458	2,171	7.0	7.1	15.1	2.6	25.3	72.1	0.0	0.0	8	0
A6	3.6	35	44	0	221	454	2,141	6.4	6.8	16.6	3.4	22.8	64.5	9.3	0.0	8	0
A7	1.9	40	45	0	160	317	1,389	6.6	6.9	10.6	3.9	24.9	65.5	5.7	0.0	7	0
A8	3.0	27	35	0	122	621	2,287	7.3	7.1	16.9	1.9	30.6	67.5	0.0	0.0	6	0
A9	3.1	78	116	0	151	574	2,152	7.0	7.1	15.9	2.4	30.1	67.5	0.0	0.0	7	0
A10	2.8	110	117	0	237	395	1,596	6.6	6.9	12.7	4.8	25.9	62.8	6.5	0.0	7	0
A11	2.4	292	293	0	272	343	1,884	7.7	7.1	13.0	5.4	22.0	72.6	0.0	0.0	6	0
A12	3.9	123	142	0	415	630	2,640	7.2	7.1	19.5	5.5	26.9	67.6	0.0	0.0	7	0
A13	3.4	65	76	0	209	562	2,240	6.8	7.1	16.4	3.3	28.6	68.1	0.0	0.0	6	0
A14	2.9	63	68	0	212	315	2,579	7.1	7.1	16.1	3.4	16.3	80.3	0.0	0.0	7	0
A15	2.4	20	28	0	149	363	1,708	6.7	7.1	11.9	3.2	25.4	71.4	0.0	0.0	7	0
A16	1.4	54	56	0	119	247	1,118	7.2	7.1	8.0	3.8	25.7	70.5	0.0	0.0	7	0
A17	3.1	20	25	0	144	373	1,760	6.9	7.1	12.3	3.0	25.3	71.7	0.0	0.0	7	0
A18	3.1	89	126	0	311	474	2,006	6.9	7.1	14.8	5.4	26.7	67.9	0.0	0.0	8	0
A19	2.7	29	47	0	122	468	2,129	7.1	7.1	14.9	2.1	26.2	71.7	0.0	0.0	6	0
A20	2.2	30	34	0	107	326	1,424	6.2	6.8	11.5	2.4	23.6	61.9	12.1	0.0	9	0
A21	3.6	32	51	0	122	579	2,139	7.2	7.1	15.8	2.0	30.5	67.5	0.0	0.0	11	0
A22	3.4	25	32	0	161	531	2,039	6.7	7.1	15.0	2.8	29.5	67.7	0.0	0.0	16	0

Sample Customer

All totals are estimates.

Field	Lime Tons	Ac	Dolomitic Lime Tons	Ac	Lbs 0-0-60	0-0-60 Ac	Lbs MAP/DAP	MAP/DAP Ac
Sample Field	0	0	0	0	1,654	17	0	0
Totals	0	0	0	0	1,654	17	0	0