

mppbox

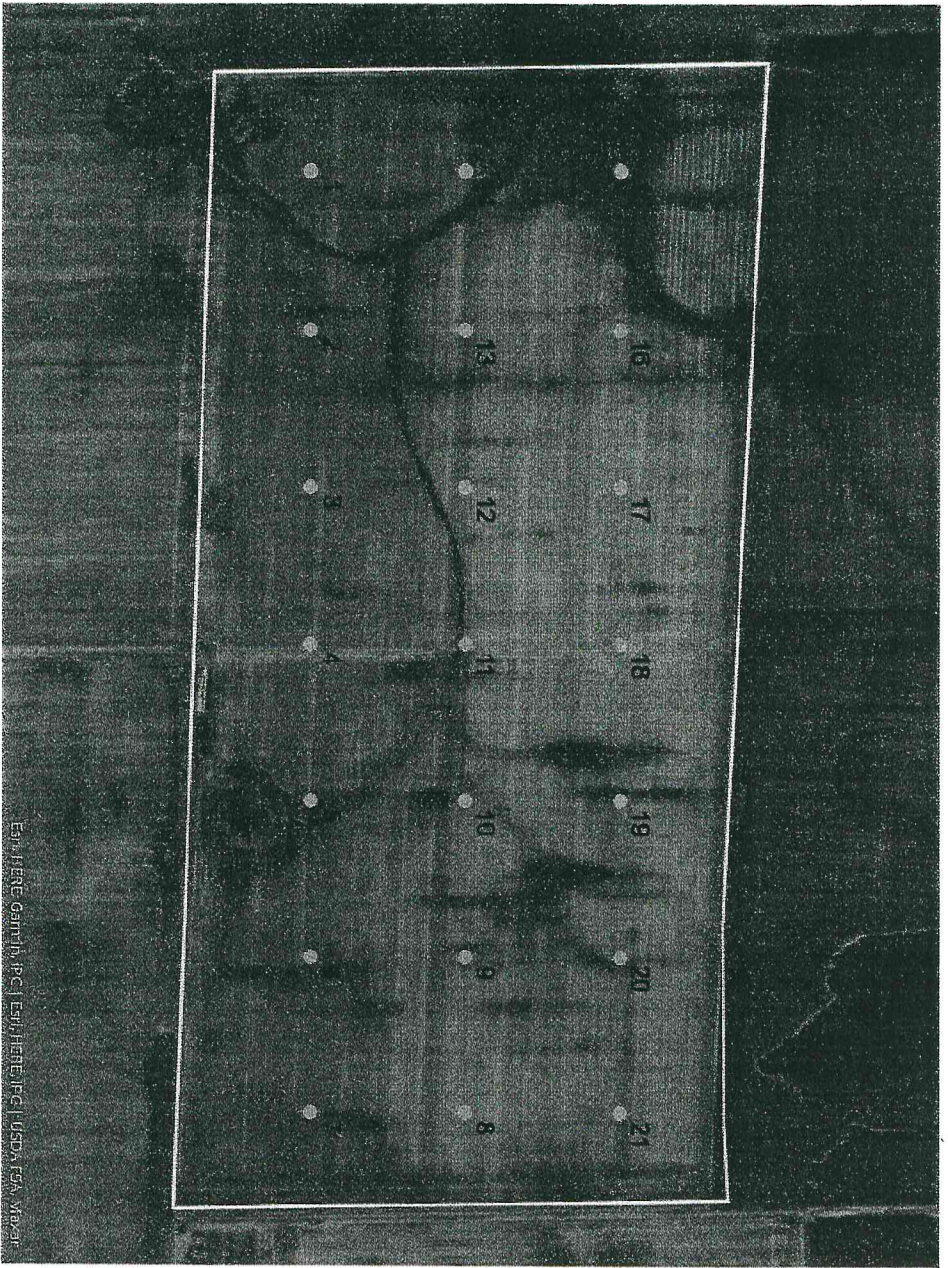
Boundary

avis Selby



The information contained herein was obtained from sources deemed to be reliable.

Soil Sample Points



For more details, please contact: ERM, HENRI, INC. | 950 N. 75th Ave, Suite 100

Grower: Greg Hawkins
Field: GP1 - 83 ac
Area: 83.81 ac





Grower: Greg Hawkins
Field: GP1 - 83 ac

Sample Date: 09/10/2020
Sample Depth: 6 in
Area: 83.81 ac

Season: 2020
Crop: Corn

	Field Averages			Field Averages												
	Min	Avg	Max	1	2	3	4	5	6	7	8	9	10	11	12	13
pH	5.6	6.52	7.3	6.4	6.5	6.5	5.6	6.6	7	7.2	6.5	6.9	6.9	6.4	6.7	6.6
P-Bray 1 (ppm)	14	35.1	81	32	59	19	44	81	39	31	15	26	33	35	20	50
K (ppm)	64	113	193	126	141	64	92	193	99	110	93	96	103	113	81	147
pH Buffer	6.6	6.94	7.2	6.8	6.8	6.9	6.6	6.9	7.2	7.2	6.9	7.2	7.2	6.8	6.7	6.8
CEC (meq/100g)	10.5	16.9	22	19.8	22	11.4	17.2	19.1	14.4	15.5	12.8	14.6	17.7	20.5	14	21.7
OM (%)	3.2	4.55	6.3	6.3	6	3.2	4.5	4.3	3.9	3.9	3.4	3.8	4.8	4.8	3.3	5
Ca (ppm)	1,400	2,374	3,150	2,700	2,950	1,700	2,050	2,750	2,250	2,400	1,750	2,300	2,750	2,900	1,650	3,150
Mg (ppm)	180	362	635	425	535	180	235	435	345	385	310	315	405	395	235	380
S (ppm)	6	7.62	10	9	8	8	10	8	6	8	7	8	7	7	9	8
Zn (ppm)	1.4	2.53	3.5	2.5	2.9	1.4	2.8	2.8	3.2	2.8	2.1	2.3	2.6	3	1.5	2.9
Mn (ppm)	12	24.2	39	15	12	31	23	16	25	37	35	39	22	12	19	23
B (ppm)	0.2	0.5	0.9	0.5	0.6	0.3	0.5	0.4	0.5	0.8	0.3	0.6	0.6	0.5	0.3	0.4
Cu (ppm)	1	1.51	2.2	1.4	1.9	1	1.6	2.2	1.5	1.4	1.2	1.4	1.5	1.9	1.2	1.7
Fe (ppm)	14	29	112	30	19	17	49	112	27	27	17	32	15	31	22	29
K %	1.4	1.71	2.6	1.6	1.6	1.4	1.4	2.6	1.8	1.8	1.9	1.7	1.5	1.4	1.5	1.7
Ca %	56.9	70.2	78.8	68.9	67.1	74.8	59.4	72.1	78.2	77.5	68.5	78.8	77.9	70.8	58.9	72.6
Mg %	11.4	17.7	26	17.9	20.3	13.2	11.4	19	20	20.7	20.2	18	19.1	16.1	14	14.6
H %	0	10.3	29.5	12.1	10.9	10.6	27.8	6.3	0	0	9.4	1.5	1.5	11.7	25.7	11.1
P/Zn	7.14	13.6	28.9	12.8	20.3	13.6	15.7	28.9	12.2	11.1	7.14	11.3	12.7	11.7	13.3	17.2
Mg %/K %	7.31	10.5	16.3	11.2	12.7	9.43	8.14	7.31	11.1	11.5	10.6	10.6	12.7	11.5	9.33	8.59
Ca %/Mg %	2.78	4.07	5.67	3.82	3.31	5.67	5.21	3.8	3.91	3.74	3.39	4.38	4.08	4.4	4.21	4.97





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Sample Date: 09/01/2020
Sample Depth: 6 in
Area: 83.81 ac

Season: 2020
Crop: Corn

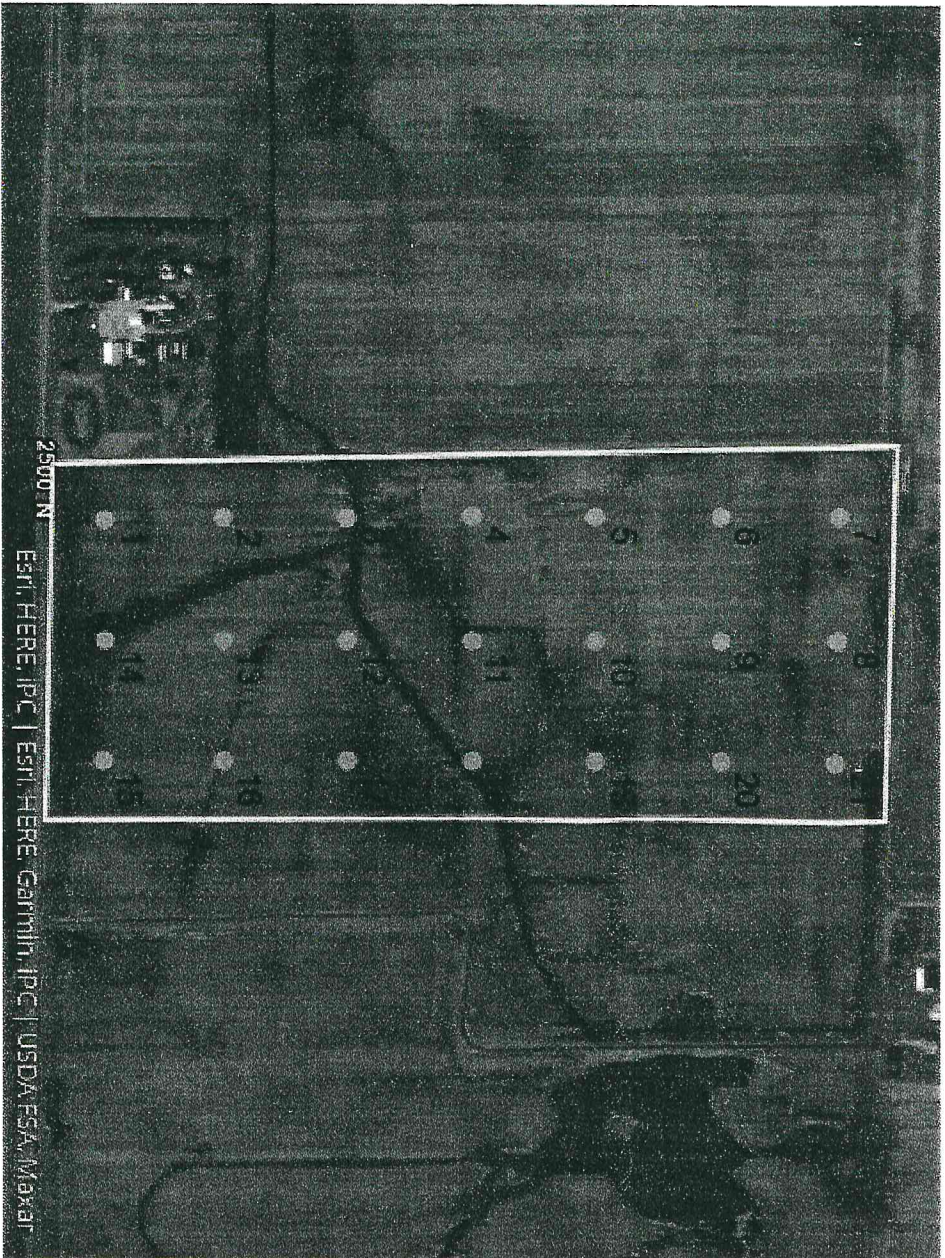
	14	15	16	17	18	19	20	21
pH	7.1	7.3	6.8	5.8	5.7	6.2	6.9	6.3
P-Bray 1 (ppm)	56	44	25	29	22	27	36	14
K (ppm)	139	127	104	109	95	112	144	78
pH Buffer	7.2	7.2	7.2	6.7	6.6	6.7	7.2	6.9
CEC (meq/100g)	18.1	20.4	15.7	15.3	16.3	18.4	19.4	10.5
OM (%)	5.6	5	4.9	4.3	3.8	5.2	6	3.6
Ca (ppm)	2,800	2,950	2,450	1,850	1,850	2,300	2,950	1,400
Mg (ppm)	456	635	330	265	235	365	475	255
S (ppm)	8	6	6	7	10	6	7	7
Zn (ppm)	3	3.1	2.4	2.3	2	2.3	3.5	1.7
Mn (ppm)	30	30	21	19	24	15	30	31
B (ppm)	0.8	0.9	0.5	0.2	0.3	0.3	0.8	0.3
Cu (ppm)	1.7	1.8	1.3	1.3	1.2	1.7	1.7	1.1
Fe (ppm)	23	20	14	28	33	24	26	16
K %	2	1.6	1.7	1.8	1.5	1.6	1.9	1.9
Ca %	77.1	72.4	77.8	60.3	56.9	62.4	76.2	66.5
Mg %	20.9	26	17.5	14.4	12	16.5	20.4	20.2
H %	0	0	3	23.5	29.5	19.5	1.5	11.4
P/Zn	18.7	14.2	10.4	12.6	11	11.7	10.3	8.24
Mg %/K %	10.5	16.3	10.3	8	8	10.3	10.7	10.6
Ca %/Mg %	3.69	2.79	4.45	4.19	4.74	3.78	3.74	3.29



Very Low Low Medium Optimal Very High



Soil Sample Points



2500' N
ESRI, HERE, IFC | ESRI, HERE, Garmin, IFC | USDA, ESA, Maxar

Grower: Greg Hawkins

Field: GP2 - 63 ac

Area: 64.74 ac





Grower: Greg Hawkins
Field: GP2 - 63 ac

Sample Date: 11/12/2020
Sample Depth: 6 in
Area: 64.74 ac

Season: 2020
Crop: Soybeans

	Field Averages																
	Min	Avg	Max	1	2	3	4	5	6	7	8	9	10	11	12	13	
pH	5.8	6.3	6.7	6.5	6.8	6.5	5.8	6.4	6.5	6.5	6.5	6.2	6.1	6.2	5.9	6.2	6.1
P-Bray 1 (ppm)	17	41	92	27	17	92	29	31	18	37	28	23	32	34	50	30	30
K (ppm)	78	139	207	126	78	198	125	154	95	136	134	124	97	130	172	106	106
pH Buffer	6.6	6.77	6.9	6.8	6.9	6.8	6.6	6.8	6.9	6.8	6.7	6.7	6.8	6.6	6.7	6.7	6.7
CEC (meq/100g)	11.5	17.8	22.9	17.2	11.5	22.9	17.4	19	13.1	17.2	17.7	19.5	13.1	19.8	21.5	16.3	16.3
OM (%)	2.5	3.46	4.9	3.1	2.5	4.3	3	3.5	2.6	3.1	3.1	3.8	2.7	3.5	3.8	3	3
Ca (ppm)	1,550	2,260	3,050	2,200	1,550	3,050	1,900	2,500	1,850	2,300	2,100	2,350	1,650	2,250	2,650	1,950	1,950
Mg (ppm)	270	401	590	415	285	565	330	450	290	360	390	455	270	405	510	325	325
S (ppm)	4	5.95	8	7	5	8	8	8	6	7	8	6	8	7	6	4	4
Zn (ppm)	1.6	2.36	3.4	2.3	1.8	3.4	2.2	2	1.8	2	2.1	2.1	1.6	1.9	2.6	2.4	2.4
Mn (ppm)	12	23.9	37	30	30	19	25	25	37	31	29	18	31	24	18	16	16
B (ppm)	0.2	0.57	1.1	0.4	0.3	0.6	0.3	0.5	0.2	0.4	0.4	0.4	0.4	0.3	0.8	0.9	0.9
Cu (ppm)	1	1.65	2.3	1.5	1	2.1	1.7	1.6	1.3	1.2	1.4	1.8	1.2	1.7	2.1	1.5	1.5
Fe (ppm)	24	42.2	96	31	30	55	48	35	24	31	27	39	28	52	56	36	36
K %	1.6	1.96	2.5	1.9	1.7	2.2	1.8	2.1	1.9	2	1.9	1.6	1.9	1.7	2	1.6	1.6
Ca %	54.7	63.6	70.8	64	67.2	66.7	54.7	65.6	70.6	66.7	59.3	60.4	62.7	56.9	61.5	59.7	59.7
Mg %	14.4	18.8	21.8	20.1	20.6	20.6	15.8	19.7	18.4	17.4	18.4	19.5	17.1	17.1	19.7	16.6	16.6
H %	6.5	15.7	27.6	14	10.4	10.5	27.6	12.6	9.2	13.9	20.3	18.5	18.3	24.3	16.7	22	22
P/Zn	9.44	16.8	27.1	11.7	9.44	27.1	13.2	15.5	10	18.5	13.3	11	20	17.9	19.2	12.5	12.5
Mg %/K %	5.76	9.67	12.2	10.6	12.1	9.36	8.78	9.38	9.68	8.7	9.68	12.2	9	10.1	9.85	10.4	10.4
Ca %/Mg %	3	3.41	4.56	3.18	3.26	3.24	3.46	3.33	3.84	3.83	3.22	3.1	3.67	3.33	3.12	3.6	3.6



Very Low Low Medium Optional Very High





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Field: GP2 - 63 ac

Sample Date: 11/12/2020
Sample Depth: 6 in
Area: 64.74 ac

Season: 2020
Crop: Soybeans

	14	15	16	17	18	19	20	21
pH	6.3	6.3	5.9	6.5	6.4	6.8	6.7	6.3
P-Bray 1 (ppm)	64	34	41	34	67	72	32	68
K (ppm)	168	114	119	112	154	207	159	203
pH Buffer	6.7	6.8	6.7	6.9	6.8	6.8	6.9	6.7
CEC (meq/100g)	20.8	15.9	15.4	14.8	19	22.6	18.4	20.6
OM (%)	4.6	3.3	3.2	3.1	3.9	4.9	3.7	4
Ca (ppm)	2,550	2,000	1,750	2,050	2,550	2,950	2,600	2,700
Mg (ppm)	480	385	325	370	420	590	450	355
S (ppm)	5	4	5	4	4	5	5	5
Zn (ppm)	3	2.6	2.2	2.1	3	2.7	3	2.8
Mn (ppm)	21	21	15	31	21	17	31	12
B (ppm)	0.8	0.7	0.4	0.6	0.9	0.8	1.1	0.7
Cu (ppm)	2	1.5	1.5	1.5	2.1	2.3	1.7	2
Fe (ppm)	36	42	40	60	42	52	27	96
K %	2.1	1.8	2	1.9	2.1	2.3	2.2	2.5
Ca %	61.4	62.9	57	69.2	66.9	65.3	70.8	65.6
Mg %	19.2	20.2	17.6	20.8	18.4	21.8	20.4	14.4
H %	17.3	15.1	23.4	8.1	12.6	10.6	6.5	17.5
P/Zn	21.3	13.1	18.6	16.2	22.3	26.7	10.7	24.3
Mg %/K %	9.14	11.2	8.8	10.9	8.76	9.48	9.27	5.76
Ca %/Mg %	3.2	3.11	3.24	3.33	3.64	3	3.47	4.56



Very Low Low Medium Optimal Very High

