

# Field Overview

**Grower:** Mike Hoffman  
**Farm:** Willy's Merchant Trust Farm  
**Field:** Willy's Merchant Trust North  
**Season:** 2021  
**Area:** 77.71 acre  
**Last sampled:** 03/15/2021



32 samples taken



Sample Sequence Number



# Soil pH

Grower: Mike Hoffman  
 Farm: Willy's Merchant Trust Farm  
 Field: Willy's Merchant Trust North  
 Season: 2021  
 Area: 77.71 acre  
 Last sampled: 03/15/2021



Min: 5.81  
 Max: 7.46  
 Average: 6.61  
 Std. Dev: 0.33  
 CV: 4.98%

Key	Area [ac]	% Area
5.7 - 5.7	0 acre	0%
5.7 - 6.0	2.47 acre	3.18%
6.0 - 6.5	26 acre	33.51%
6.5 - 7.0	40.32 acre	51.97%
≥ 7.0	8.8 acre	11.34%

# Soil CEC

Grower: Mike Hoffman  
 Farm: Willy's Merchant Trust Farm  
 Field: Willy's Merchant Trust North  
 Season: 2021  
 Area: 77.71 acre  
 Last sampled: 03/15/2021



Min:	9.77
Max:	25.32
Average:	18.19
Std. Dev:	3.37
CV:	18.54%

Key	Area [ac]	% Area
8.0 - 8.0	0 acre	0%
8.0 - 15.0	12.66 acre	16.32%
15.0 - 20.0	39.73 acre	51.21%
20.0 - 25.0	24.66 acre	31.79%
≥ 25.0	0.53 acre	0.687%

# Soil OM

**Grower:** Mike Hoffman  
**Farm:** Willy's Merchant Trust Farm  
**Field:** Willy's Merchant Trust North  
**Season:** 2021  
**Area:** 77.71 acre  
**Last sampled:** 03/15/2021



Min:	2.03
Max:	5.37
Average:	3.36
Std. Dev:	0.69
CV:	20.51%

Key	Area [ac]	% Area
< 2.31	2.38 acre	3.07 %
2.31 - 2.59	8.93 acre	11.51 %
2.59 - 2.87	11.22 acre	14.47 %
2.87 - 3.14	7.89 acre	10.17 %
3.14 - 3.42	14.41 acre	18.58 %
3.42 - 3.7	8.21 acre	10.58 %
3.7 - 3.98	10.62 acre	13.69 %
3.98 - 4.26	6.56 acre	8.45 %
4.26 - 4.53	2.2 acre	2.83 %
4.53 - 4.81	3.06 acre	3.94 %
4.81 - 5.09	0.77 acre	0.995 %
≥ 5.09	1.32 acre	1.71 %

# Soil P Bray 1

Grower: Mike Hoffman  
 Farm: Willy's Merchant Trust Farm  
 Field: Willy's Merchant Trust North  
 Season: 2021  
 Area: 77.71 acre  
 Last sampled: 03/15/2021



Min:	19.72
Max:	222.66
Average:	56.07
Std. Dev:	31.58
CV:	56.32%

Key	Area [ac]	% Area
< 30.0	3.13 acre	4.03 %
30.0 - 70.0	61.57 acre	79.37 %
70.0 - 100.0	7.66 acre	9.87 %
≥ 100.0	5.22 acre	6.73 %

# SoilK

**Grower:** Mike Hoffman  
**Farm:** Willy's Merchant Trust Farm  
**Field:** Willy's Merchant Trust North  
**Season:** 2021  
**Area:** 77.71 acre  
**Last sampled:** 03/15/2021



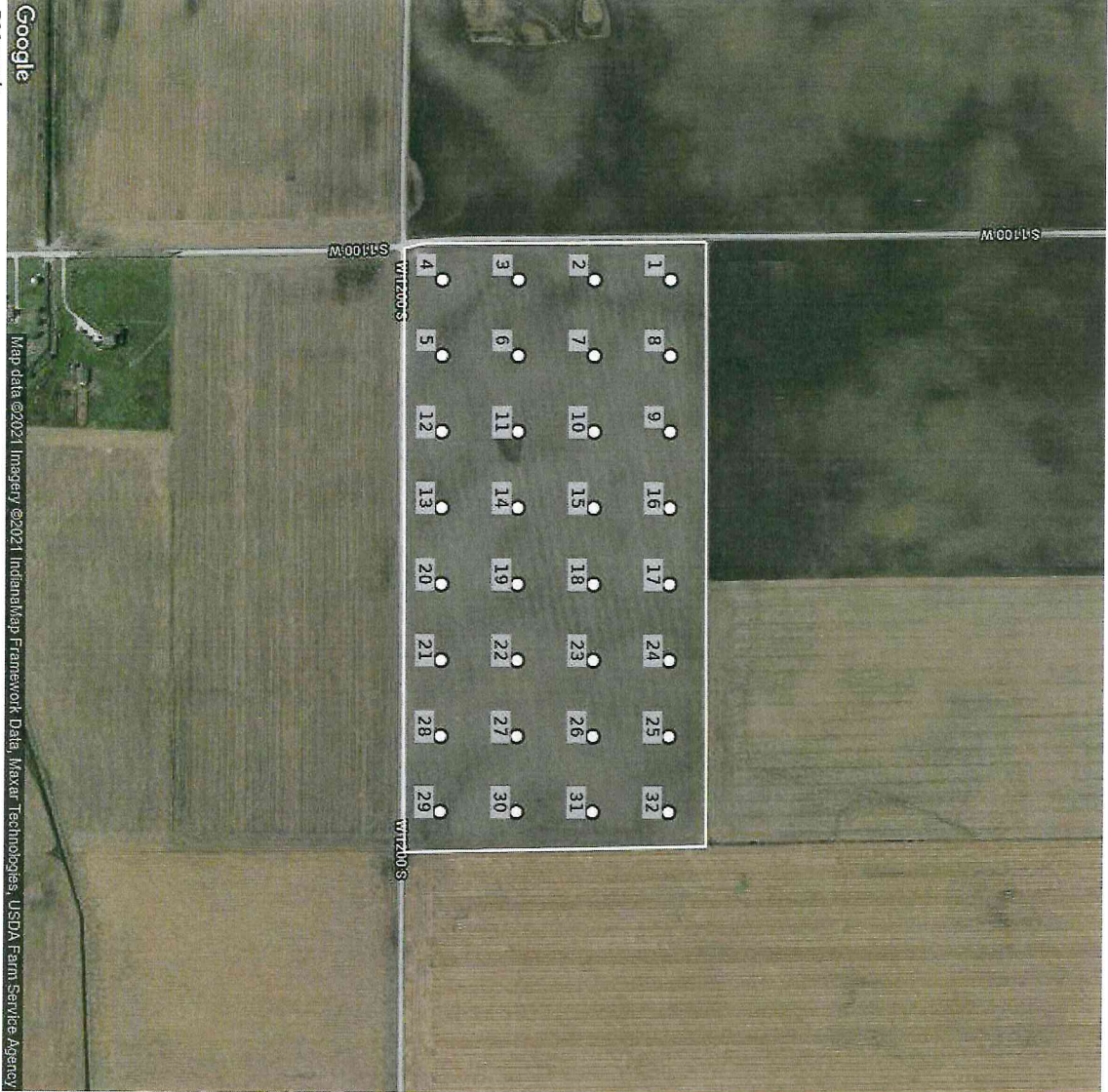
Min:	181.99
Max:	862.55
Average:	323.44
Std. Dev:	109.08
CV:	33.72%

Key	Area [ac]	% Area
< 200.0	1.12 acre	1.45 %
200.0 - 300.0	35.64 acre	45.94 %
300.0 - 400.0	31.25 acre	40.28 %
≥ 400.0	9.57 acre	12.34 %

Google  
 700 Yards  
 0 100 200 300 400 500 600  
 Map data ©2021 Imagery ©2021 IndianaMap Framework Data, Maxar Technologies, USDA Farm Service Agency  
 Routebush Ditch

# Field Overview

**Grower:** Mike Hoffman  
**Farm:** Willy's Merchant Trust Farm  
**Field:** Willy's Merchant Trust South  
**Season:** 2021  
**Area:** 79.34 acre  
**Last sampled:** 03/17/2021



32 samples taken



Sample Sequence Number



# Soil OM

**Grower:** Mike Hoffman  
**Farm:** Willy's Merchant Trust Farm  
**Field:** Willy's Merchant Trust South  
**Season:** 2021  
**Area:** 79.34 acre  
**Last sampled:** 03/17/2021



Min:	2.04
Max:	4.57
Average:	3.26
Std. Dev:	0.57
CV:	17.39%

Key	Area [ac]	% Area
< 2.25	1.1 acre	1.39 %
2.25 - 2.46	4.18 acre	5.27 %
2.46 - 2.67	11.41 acre	14.4 %
2.67 - 2.88	5.89 acre	7.44 %
2.88 - 3.09	10.25 acre	12.94 %
3.09 - 3.3	9.56 acre	12.06 %
3.3 - 3.51	9.31 acre	11.75 %
3.51 - 3.72	8.14 acre	10.28 %
3.72 - 3.93	7.07 acre	8.92 %
3.93 - 4.15	8.06 acre	10.18 %
4.15 - 4.36	2.98 acre	3.76 %
≥ 4.36	1.27 acre	1.6 %



# Soil CEC

**Grower:** Mike Hoffman  
**Farm:** Willy's Merchant Trust Farm  
**Field:** Willy's Merchant Trust South  
**Season:** 2021  
**Area:** 79.34 acre  
**Last sampled:** 03/17/2021



Min:	8.95
Max:	23.59
Average:	16.27
Std. Dev:	3.01
CV:	18.53%

Key	Area [ac]	% Area
8.0 - 8.0	0 acre	0%
8.0 - 15.0	29.87 acre	37.7%
15.0 - 20.0	39.01 acre	49.25%
20.0 - 25.0	10.34 acre	13.05%
25.0 - 25.0	0 acre	0%

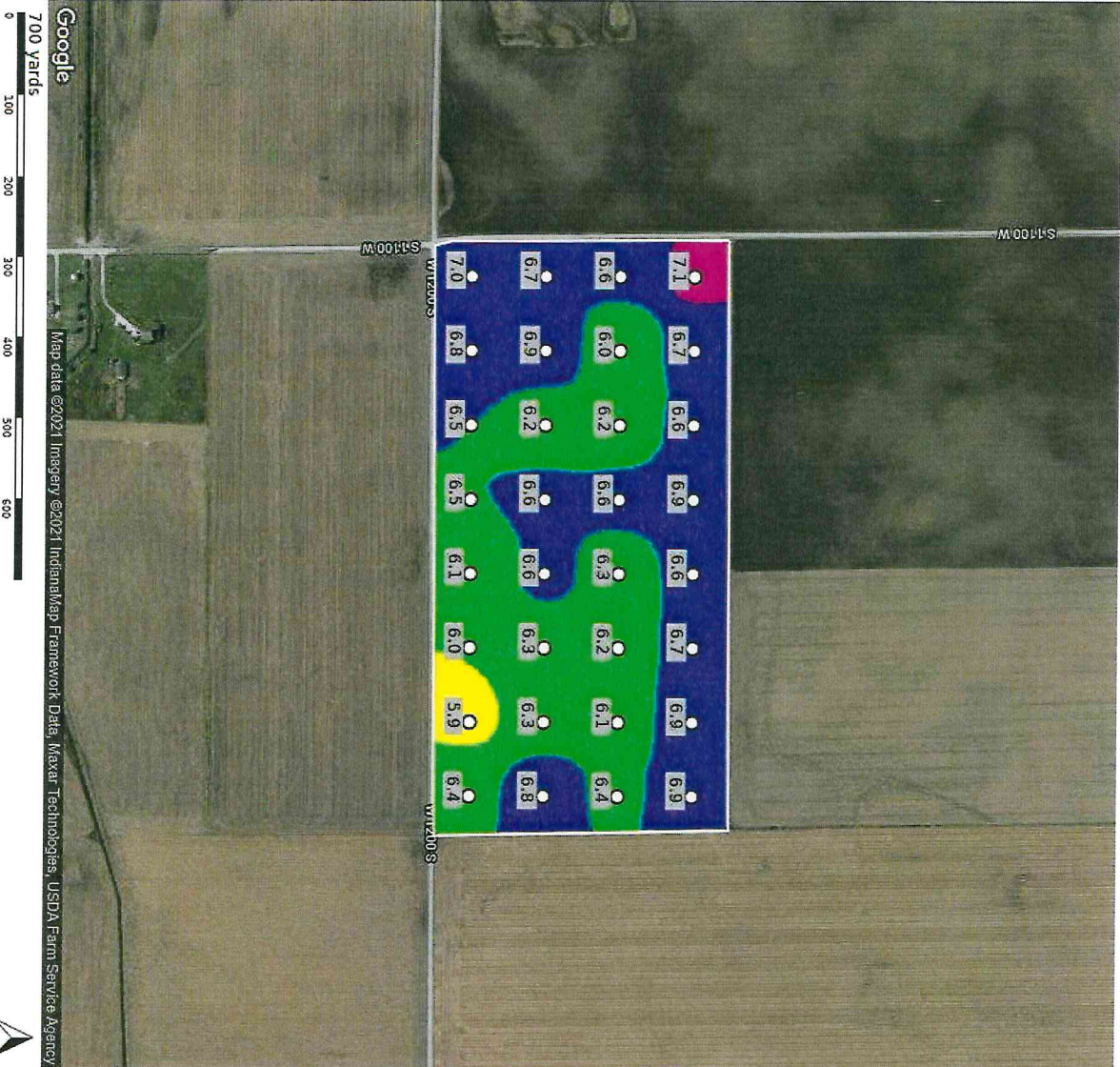
# Soil pH

**Grower:** Mike Hoffman  
**Farm:** Willy's Merchant Trust Farm  
**Field:** Willy's Merchant Trust South  
**Season:** 2021  
**Area:** 79.34 acre  
**Last sampled:** 03/17/2021



**Min:** 5.91  
**Max:** 7.09  
**Average:** 6.51  
**Std. Dev:** 0.27  
**CV:** 4.14%

Key	Area [ac]	% Area
5.7 - 5.7	0 acre	0 %
5.7 - 6.0	2.11 acre	2.66 %
6.0 - 6.5	35.15 acre	44.37 %
6.5 - 7.0	40.34 acre	50.92 %
≥ 7.0	1.62 acre	2.05 %



**Google**  
 700 yards  
 0 100 200 300 400 500 600  
 Map data ©2021 Imagery ©2021 Infomaniak, Framework, Data, Maxar Technologies, USDA Farm Service Agency



# Soil P Bray 1

Grower: Mike Hoffman  
 Farm: Willy's Merchant Trust Farm  
 Field: Willy's Merchant Trust South  
 Season: 2021  
 Area: 79.34 acre  
 Last sampled: 03/17/2021



Min:	26.3
Max:	91.58
Average:	51.44
Std. Dev:	12.23
CV:	23.77%

Key	Area [ac]	% Area
< 30.0	1.6 acre	2.02 %
30.0 - 70.0	71.34 acre	90.05 %
70.0 - 100.0	6.28 acre	7.93 %
100.0 - 100.0	0 acre	0 %

# Soil K

**Grower:** Mike Hoffman  
**Farm:** Willy's Merchant Trust Farm  
**Field:** Willy's Merchant Trust South  
**Season:** 2021  
**Area:** 79.34 acre  
**Last sampled:** 03/17/2021



Min:	163.92
Max:	372.53
Average:	266.5
Std. Dev:	39.47
CV:	14.81%

Key	Area [ac]	% Area
< 200.0	4.62 acre	5.84 %
200.0 - 300.0	60.03 acre	75.77 %
300.0 - 400.0	14.57 acre	18.39 %
400.0 - 400.0	0 acre	0 %

**Google**  
 700 yards  
 0 100 200 300 400 500 600  
 Map data ©2021 Imagery ©2021 IndianaMap Framework Data, Maxar Technologies, USDA Farm Service Agency



# Field Overview

Grower: Mike Hoffman  
Farm: Willy's Merchant Trust Farm  
Field: Willy's Merchant Trust West  
Season: 2021  
Area: 78.32 acre  
Last sampled: 03/17/2021



31 samples taken



Sample Sequence Number



# Soil OM

**Grower:** Mike Hoffman  
**Farm:** Willy's Merchant Trust Farm  
**Field:** Willy's Merchant Trust West  
**Season:** 2021  
**Area:** 78.32 acre  
**Last sampled:** 03/17/2021



Min:	0.56
Max:	10.52
Average:	3.91
Std. Dev:	1.31
CV:	33.45%

Key	Area [ac]	% Area
< 1.39	1.37 acre	1.76 %
1.39 - 2.22	0.91 acre	1.16 %
2.22 - 3.05	16.54 acre	21.17 %
3.05 - 3.88	21.3 acre	27.26 %
3.88 - 4.71	23.82 acre	30.5 %
4.71 - 5.54	10.84 acre	13.88 %
5.54 - 6.37	0.92 acre	1.18 %
6.37 - 7.2	0.4 acre	0.515 %
7.2 - 8.03	0.32 acre	0.405 %
8.03 - 8.86	0.27 acre	0.347 %
8.86 - 9.69	0.34 acre	0.44 %
≥ 9.69	1.07 acre	1.37 %

# Soil CEC

**Grower:** Mike Hoffman  
**Farm:** Willy's Merchant Trust Farm  
**Field:** Willy's Merchant Trust West  
**Season:** 2021  
**Area:** 78.32 acre  
**Last sampled:** 03/17/2021



Min:	8.92
Max:	25.66
Average:	18.23
Std. Dev:	4.18
CV:	22.95%



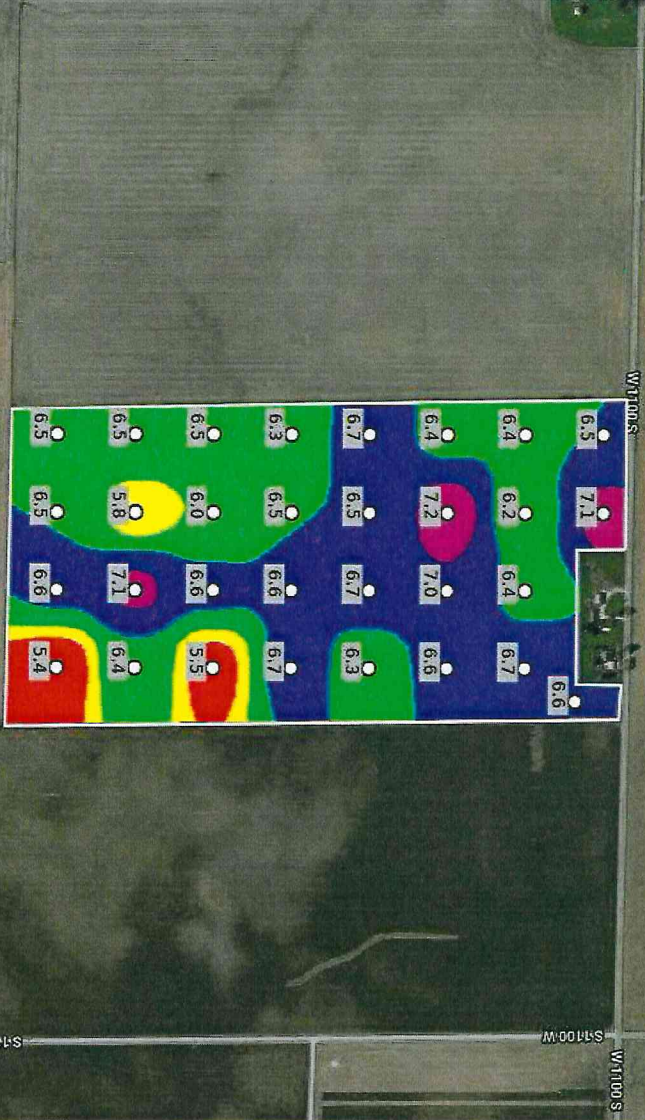
Key	Area [ac]	% Area
8.0 - 8.0	0 acre	0%
8.0 - 15.0	22.98 acre	29.42%
15.0 - 20.0	28.65 acre	36.67%
20.0 - 25.0	23.53 acre	30.12%
≥ 25.0	2.96 acre	3.79%

# Soil pH

Grower: Mike Hoffman  
 Farm: Willy's Merchant Trust Farm  
 Field: Willy's Merchant Trust West  
 Season: 2021  
 Area: 78.32 acre  
 Last sampled: 03/17/2021



Google  
 700 Yards  
 Map data ©2021 Imagery ©2021 Indianapolis Framework Data, Maxar Technologies, USDA Farm Service Agency



Min:	5.42
Max:	7.18
Average:	6.45
Std. Dev:	0.33
CV:	5.14%

Key	Area [ac]	% Area
< 5.7	4.23 acre	5.41 %
5.7 - 6.0	3.35 acre	4.28 %
6.0 - 6.5	33.29 acre	42.61 %
6.5 - 7.0	34.27 acre	43.87 %
≥ 7.0	2.99 acre	3.82 %





# Soil P Bray 1

Grower: Mike Hoffman  
 Farm: Willy's Merchant Trust Farm  
 Field: Willy's Merchant Trust West  
 Season: 2021  
 Area: 78.32 acre  
 Last sampled: 03/17/2021



Min:	30.66
Max:	153.68
Average:	60.78
Std. Dev:	25.57
CV:	42.08%

Key	Area [ac]	% Area
30.0 - 30.0	0 acre	0%
30.0 - 70.0	59.93 acre	76.72%
70.0 - 100.0	11.71 acre	15%
≥ 100.0	6.47 acre	8.28%



Google  
 700 yards  
 0 100 200 300 400 500 600  
 Map data ©2021 Imagery ©2021 Infomaniak, Framework, Data, Maxar Technologies, USDA Farm Service Agency  
 W11000 S  
 S4100 W

# Soil K

Grower: Mike Hoffman  
 Farm: Willy's Merchant Trust Farm  
 Field: Willy's Merchant Trust West  
 Season: 2021  
 Area: 78.32 acre  
 Last sampled: 03/17/2021



Min:	226.38
Max:	549.58
Average:	329.94
Std. Dev:	60.47
CV:	18.33%

Key	Area [ac]	% Area
200.0 - 200.0	0 acre	0%
200.0 - 300.0	24.48 acre	31.33%
300.0 - 400.0	44.1 acre	56.46%
≥ 400.0	9.53 acre	12.21%

# Field Overview

**Grower:** Mike Hoffman  
**Farm:** Willy's Merchant Trust Farm  
**Field:** Tippecanoe 80  
**Season:** 2021  
**Area:** 74.5 acre  
**Last sampled:** 03/17/2021



28 samples taken



Sample Sequence Number

# Soil OM

**Grower:** Mike Hoffman  
**Farm:** Willy's Merchant Trust Farm  
**Field:** Tippecanoe 80  
**Season:** 2021  
**Area:** 74.5 acre  
**Last sampled:** 03/17/2021

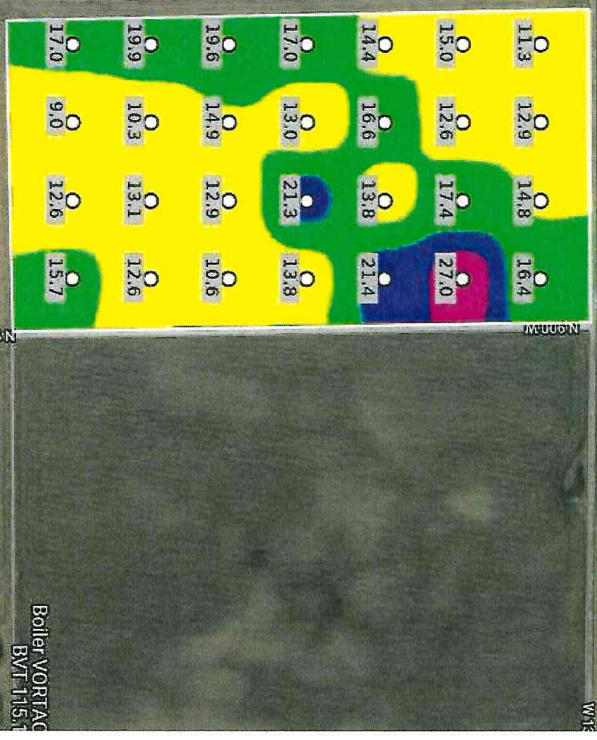


**Min:** 1.91  
**Max:** 3.67  
**Average:** 2.64  
**Std. Dev:** 0.42  
**CV:** 15.89%

Key	Area [ac]	% Area
< 2.06	5.15 acre	6.92 %
2.06 - 2.2	10.08 acre	13.56 %
2.2 - 2.35	5.7 acre	7.66 %
2.35 - 2.5	9.01 acre	12.12 %
2.5 - 2.64	9.29 acre	12.5 %
2.64 - 2.79	11.33 acre	15.24 %
2.79 - 2.94	5.72 acre	7.7 %
2.94 - 3.08	5.16 acre	6.94 %
3.08 - 3.23	5.12 acre	6.89 %
3.23 - 3.38	3.21 acre	4.32 %
3.38 - 3.52	2.88 acre	3.88 %
≥ 3.52	1.69 acre	2.27 %

# Soil CEC

**Grower:** Mike Hoffman  
**Farm:** Willy's Merchant Trust Farm  
**Field:** Tippecanoe 80  
**Season:** 2021  
**Area:** 74.5 acre  
**Last sampled:** 03/17/2021



**Min:** 9.1  
**Max:** 26.81  
**Average:** 15.12  
**Std. Dev:** 3.27  
**CV:** 21.65%

Key	Area [ac]	% Area
8.0 - 8.0	0 acre	0 %
8.0 - 15.0	41.72 acre	56.11 %
15.0 - 20.0	26.97 acre	36.27 %
20.0 - 25.0	4.13 acre	5.55 %
≥ 25.0	1.54 acre	2.07 %

# Soil pH

**Grower:** Mike Hoffman  
**Farm:** Willy's Merchant Trust Farm  
**Field:** Tippecanoe 80  
**Season:** 2021  
**Area:** 74.5 acre  
**Last sampled:** 03/17/2021

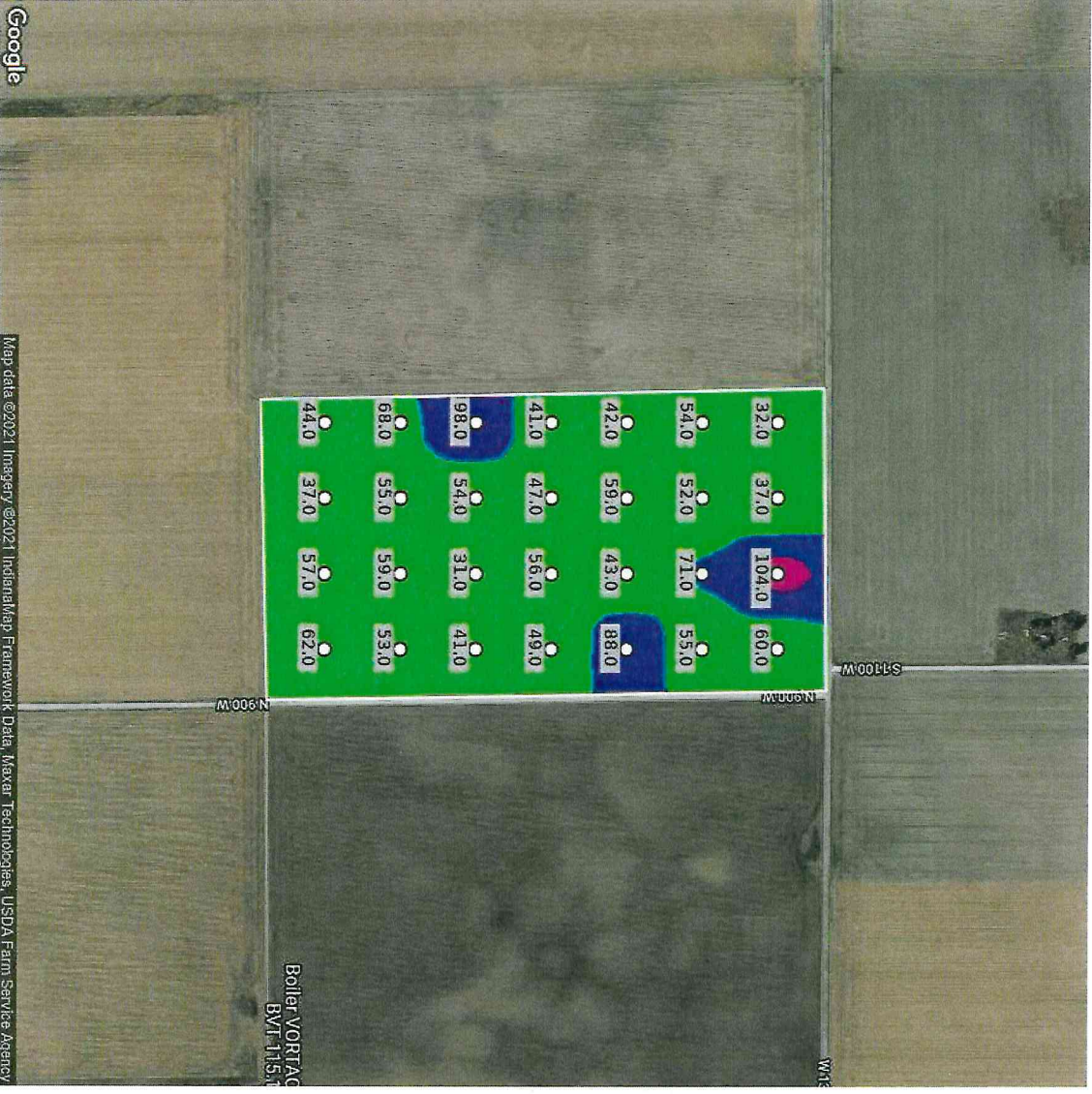


Min:	5.91
Max:	7.87
Average:	6.52
Std. Dev:	0.35
CV:	5.37%

Key	Area [ac]	% Area
5.7 - 5.7	0 acre	0%
5.7 - 6.0	2.26 acre	3.04%
6.0 - 6.5	39.05 acre	52.52%
6.5 - 7.0	28.27 acre	38.02%
≥ 7.0	4.77 acre	6.42%

# Soil P Bray 1

Grower: Mike Hoffman  
 Farm: Willy's Merchant Trust Farm  
 Field: Tippecanoe 80  
 Season: 2021  
 Area: 74.5 acre  
 Last sampled: 03/17/2021

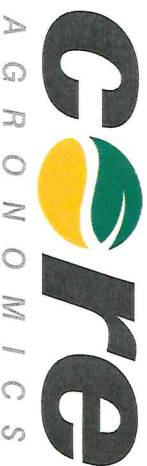


Min:	31.65
Max:	102.95
Average:	55.21
Std. Dev:	14.06
CV:	25.47%

Key	Area [ac]	% Area
30.0 - 30.0	0 acre	0%
30.0 - 70.0	65.13 acre	87.6%
70.0 - 100.0	8.67 acre	11.66%
≥ 100.0	0.55 acre	0.734%

# Soil K

**Grower:** Mike Hoffman  
**Farm:** Willy's Merchant Trust Farm  
**Field:** Tippecanoe 80  
**Season:** 2021  
**Area:** 74.5 acre  
**Last sampled:** 03/17/2021



Min:	168.22
Max:	295.44
Average:	236.23
Std. Dev:	29.39
CV:	12.44%

Key	Area [ac]	% Area
< 200.0	9.68 acre	13.02 %
200.0 - 300.0	64.67 acre	86.98 %
300.0 - 400.0	0 acre	0 %
400.0 - 400.0	0 acre	0 %