

Operator: John Werts  
 Field: DICKERSON 32  
 Acres: 32.6

Field ID: 182800  
 Date: 04/04/2023  
 Submitted By: MAROA AG

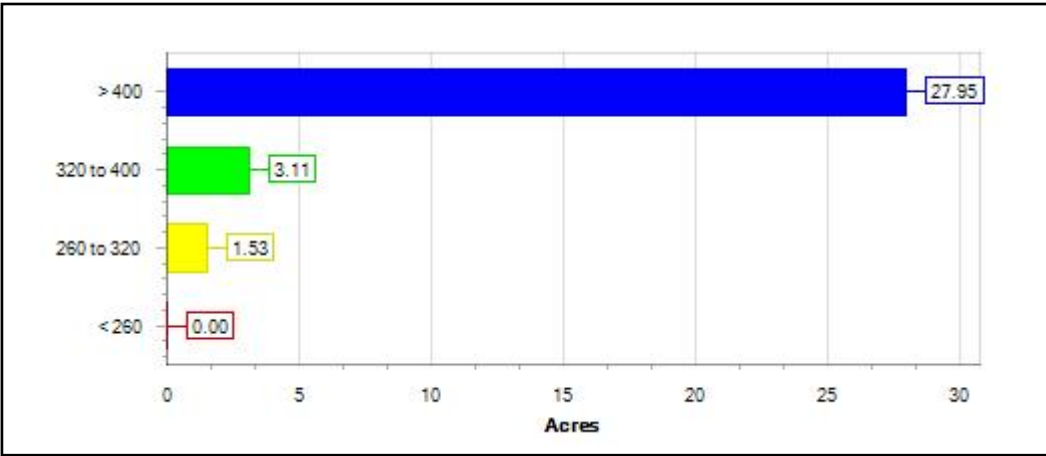
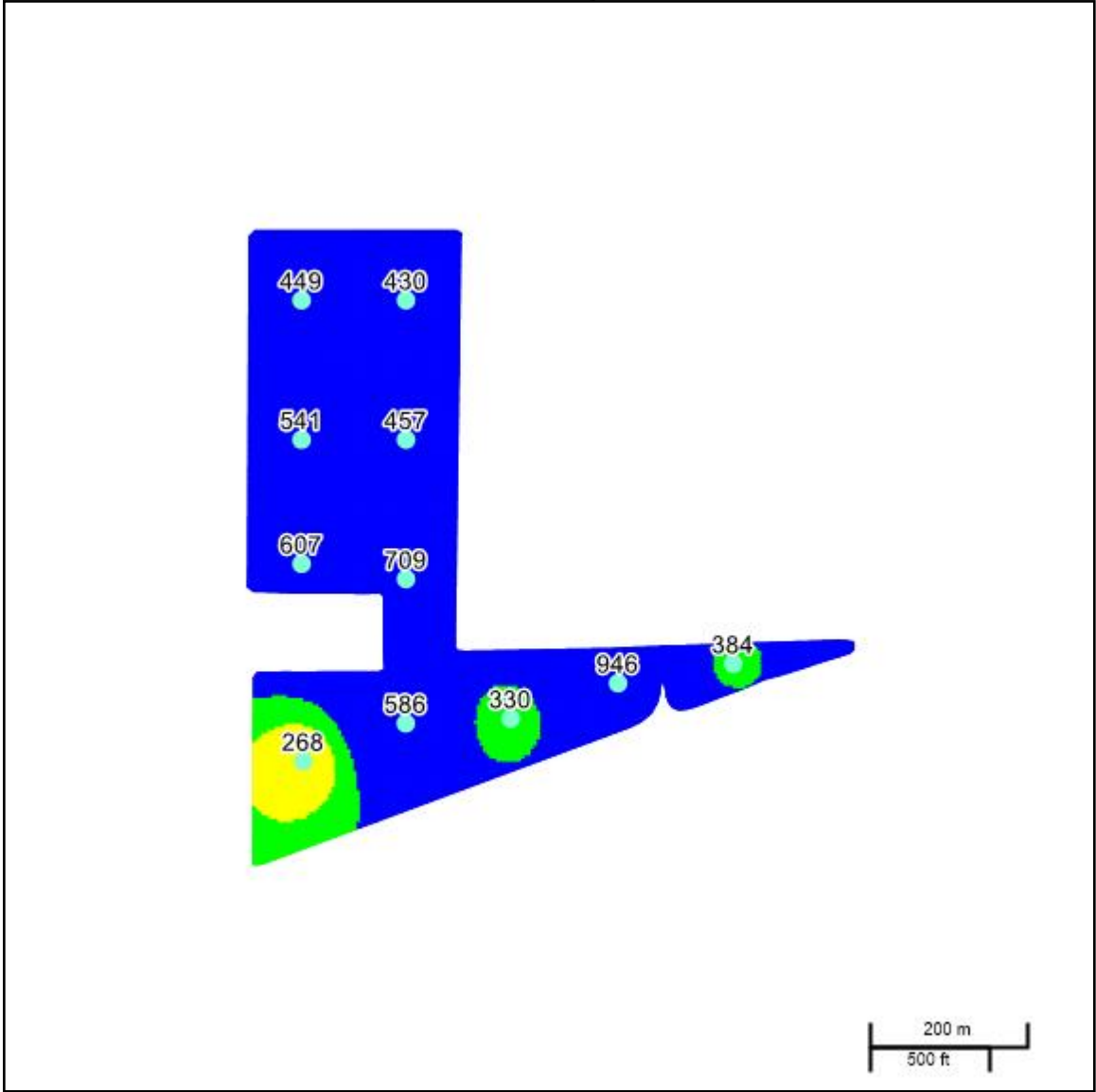
**Legend**

K Map

- Below 260  
Avg: Acres: 0.0
- 260 - 319  
Avg: 295 Acres: 1.5
- 320 - 399  
Avg: 361 Acres: 3.1
- 400 and Above  
Avg: 535 Acres: 28.0





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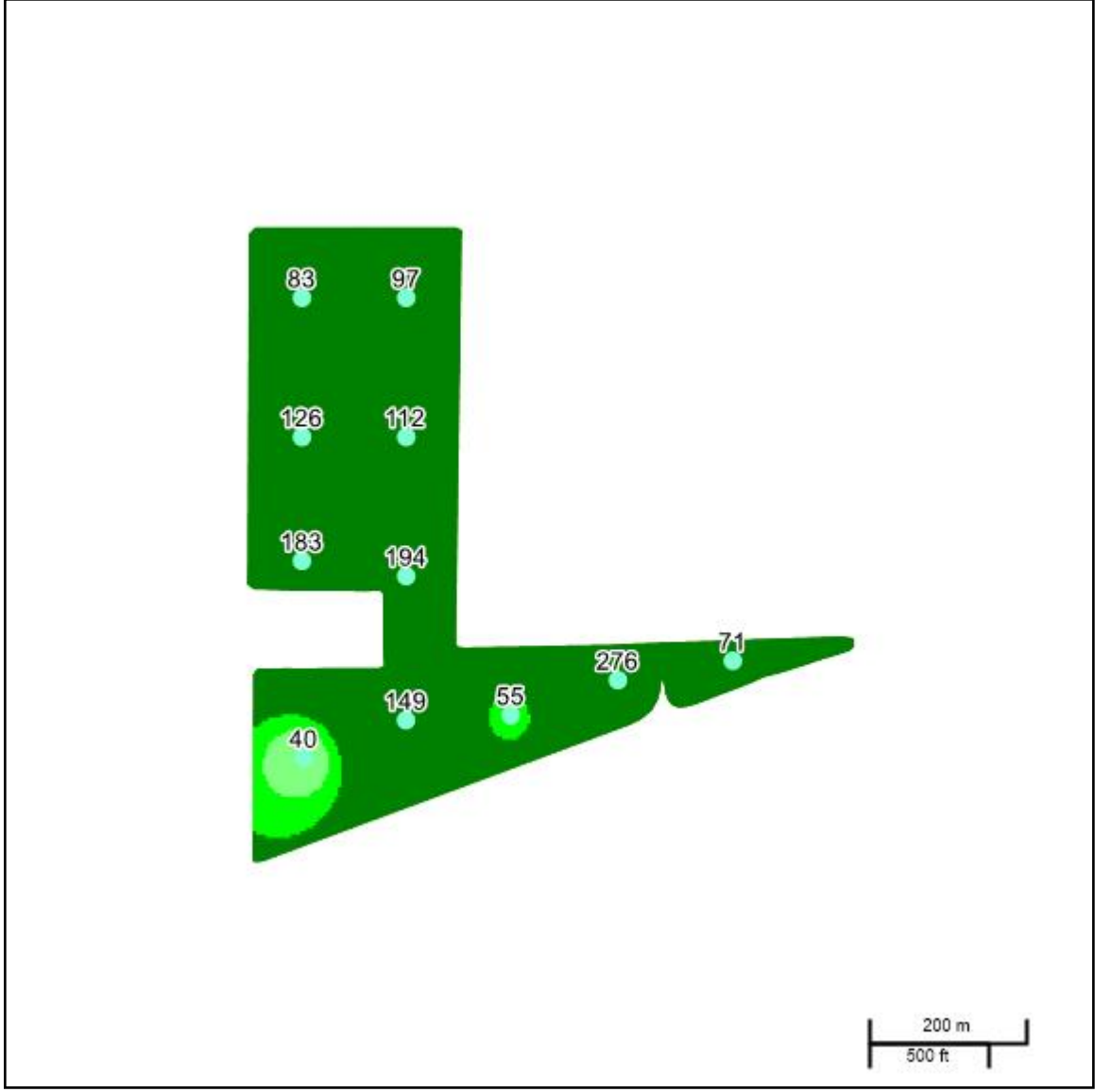
**Latitude:** 40.163637  
**Longitude:** -88.923388  
**Grid Size:** 440nsx330ew



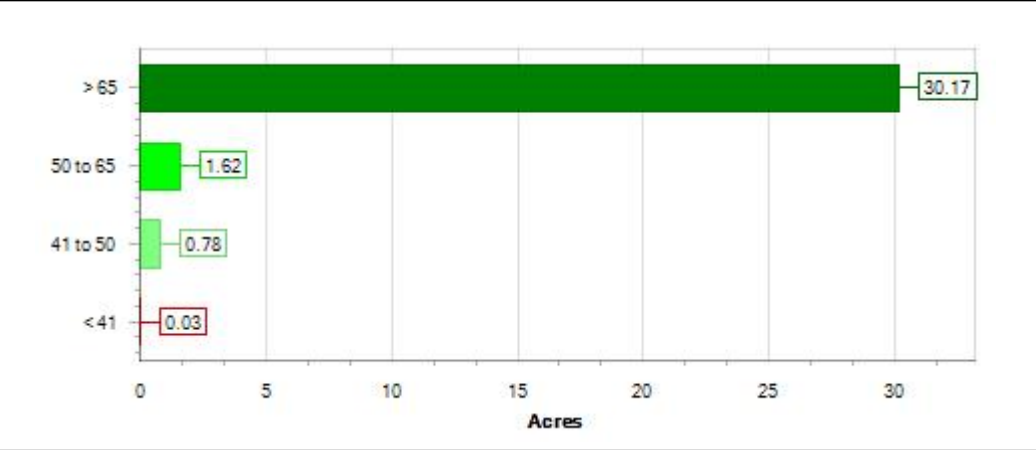
Operator: John Werts  
Field: DICKERSON 32  
Acres: 32.6

Field ID: 182800  
Date: 04/04/2023  
Submitted By: MAROA AG

Legend	
Phosphorus	
	40 and Below Avg: 40 Acres: 0.0
	41-50 Avg: 46 Acres: 0.8
	51 - 65 Avg: 58 Acres: 1.6
	Above 65 Avg: 127 Acres: 30.2









Latitude: 40.163637  
Longitude: -88.923388  
Grid Size: 440nsx330ew



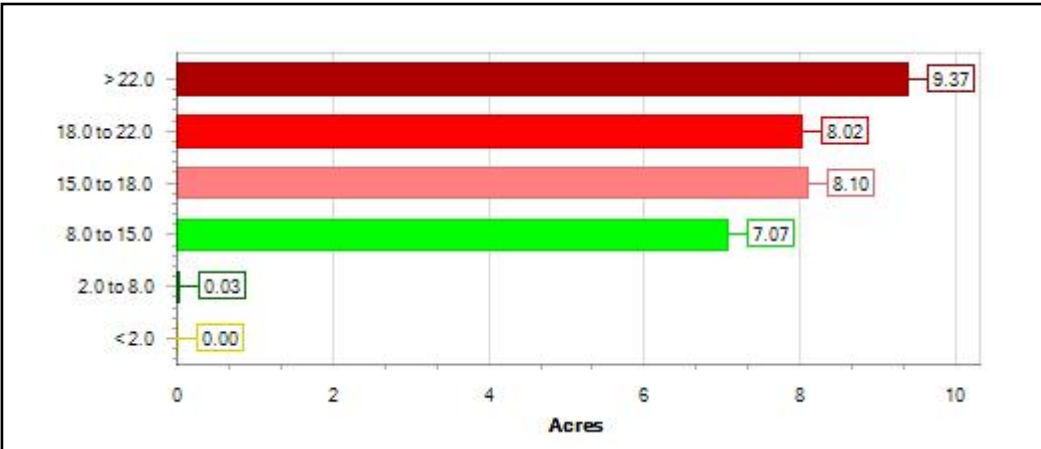
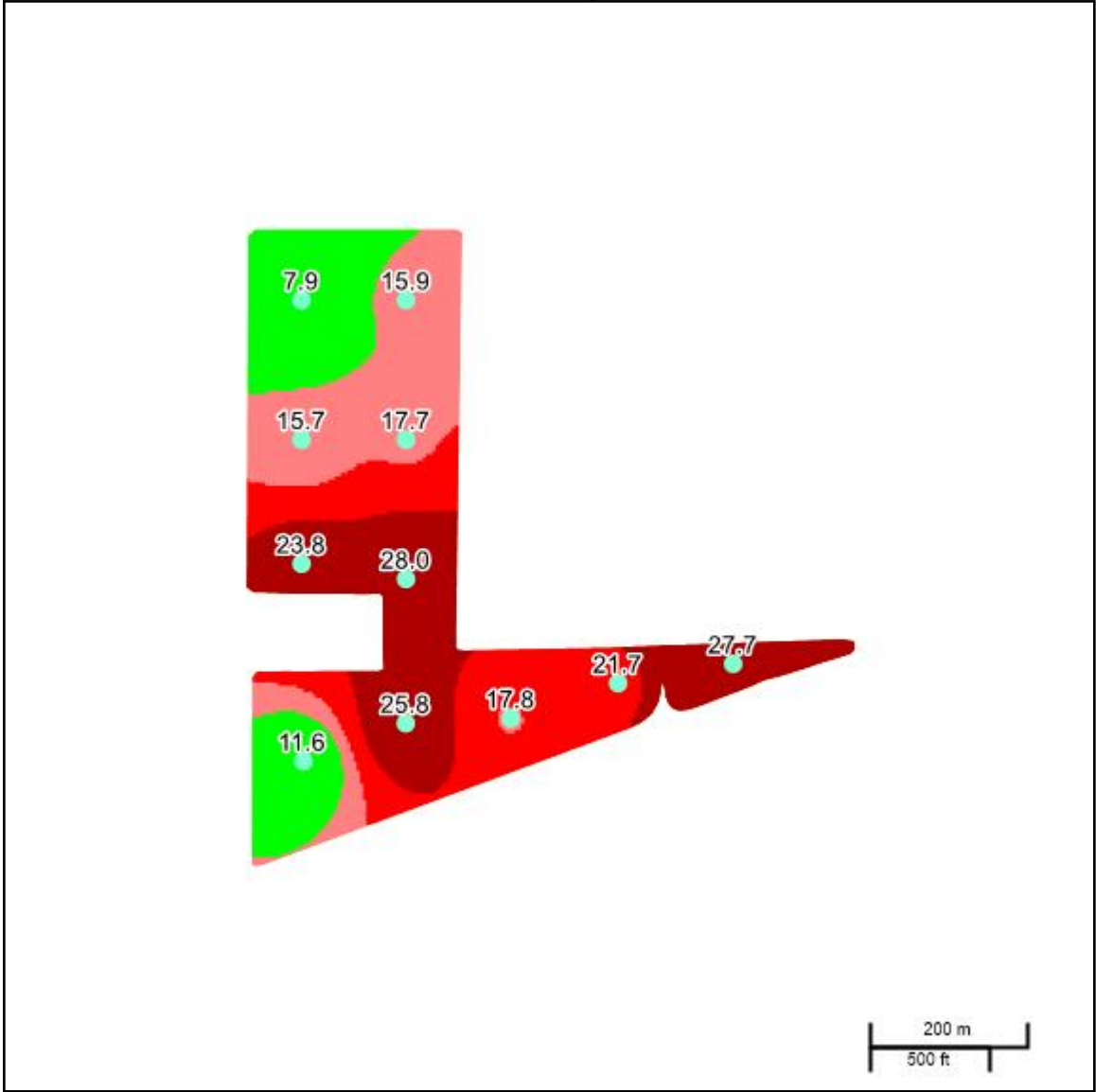
Operator: John Werts  
 Field: DICKERSON 32  
 Acres: 32.6

Field ID: 182800  
 Date: 04/04/2023  
 Submitted By: MAROA AG

Legend % Hydrogen	
	Below 2% (High pH) Avg: Acres: 0.0
	2% - 8% (Desired) Avg: 7.9 Acres: 0.0
	8%-15% (1 Ton Lime) Avg: 12.0 Acres: 7.1
	15-18 (1.5 Ton Lime) Avg: 16.3 Acres: 8.1
	18-22 (2 Ton Lime) Avg: 20.1 Acres: 8.0
	22% + (3 Ton Lime) Avg: 24.7 Acres: 9.4

We need to strive to get all of our %Hydrogen levels below 8%. Increased hydrogen levels make our soils acidic interfering with plant food availability to the crop. Ag-Lime will decrease elevated levels.

Latitude: 40.163637  
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 Grid Size: 440nsx330ew



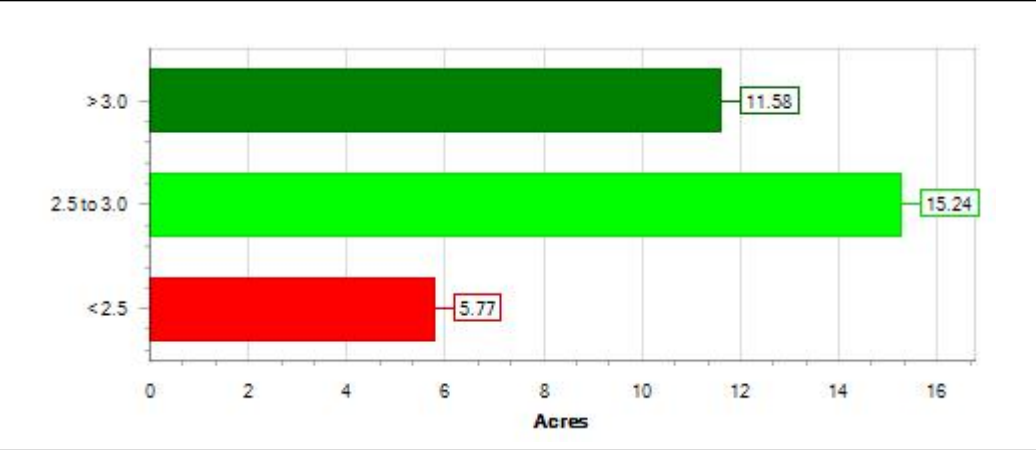
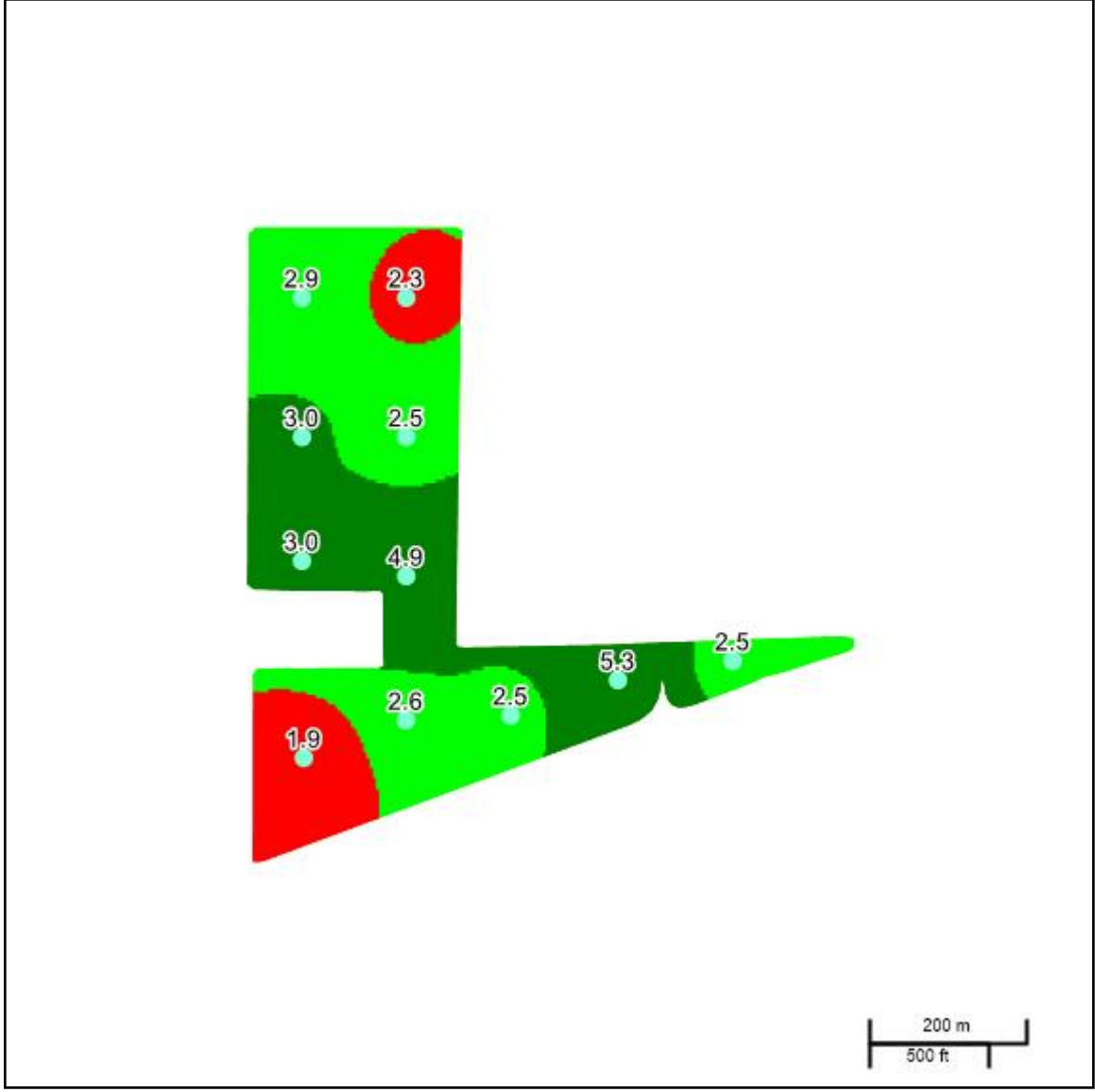
Operator: John Werts  
 Field: DICKERSON 32  
 Acres: 32.6

Field ID: 182800  
 Date: 04/04/2023  
 Submitted By: MAROA AG

Legend	
% Potassium	
<span style="color: red;">■</span>	2.4% and Below Avg: 2.2 Acres: 5.8
<span style="color: green;">■</span>	2.5% - 3.0% Avg: 2.7 Acres: 15.2
<span style="color: darkgreen;">■</span>	Above 3.0% Avg: 3.7 Acres: 11.6

The %K level is a more accurate snapshot of Potassium. This takes into consideration the variable soil types within a farm. A good level is 3.0% or higher. An average level would be 2.5% - 3.0%. Below 2.5% would be low.

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Operator: John Werts  
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 Acres: 32.6

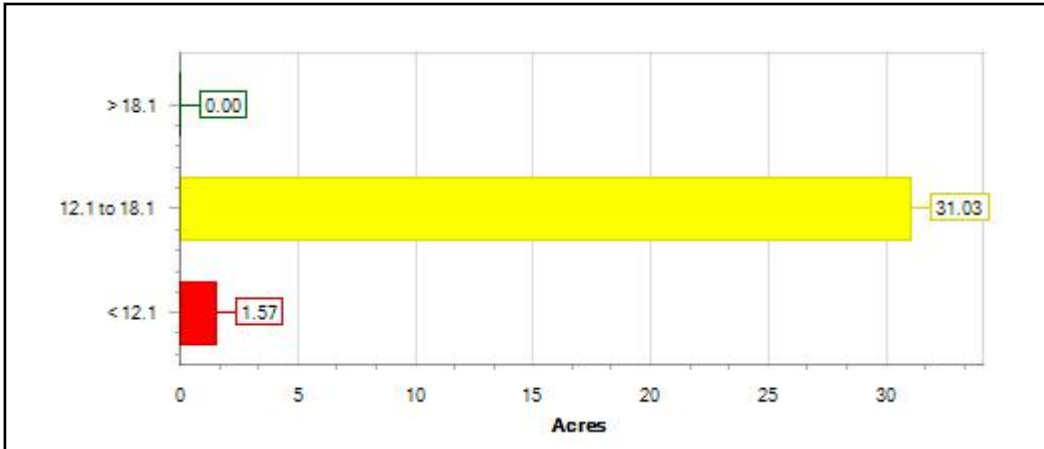
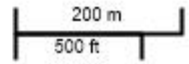
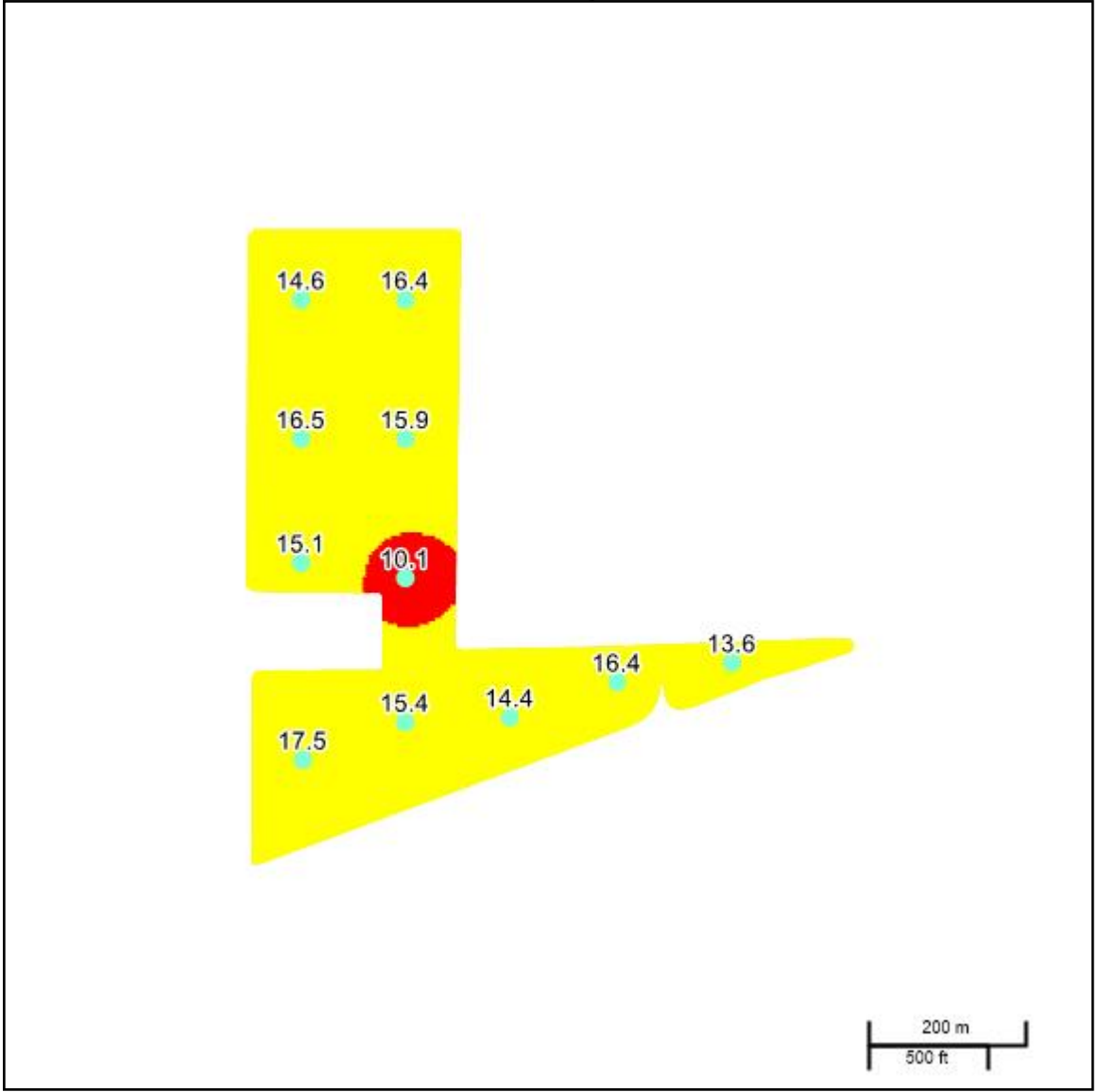
Field ID: 182800  
 Date: 04/04/2023  
 Submitted By: MAROA AG

**Legend**  
 % Magnesium

- 2.4% and Below  
 Avg: 11.1 Acres: 1.6
- 2.5% - 3.0%  
 Avg: 15.4 Acres: 31.0
- Above 3.0%  
 Avg: Acres: 0.0

The %K level is a more accurate snapshot of Potassium. This takes into consideration the variable soil types within a farm. A good level is 3.0% or higher. An average level would be 2.5% - 3.0%. Below 2.5% would be low.





**Latitude:** 40.163637  
**Longitude:** -88.923388  
**Grid Size:** 440nsx330ew

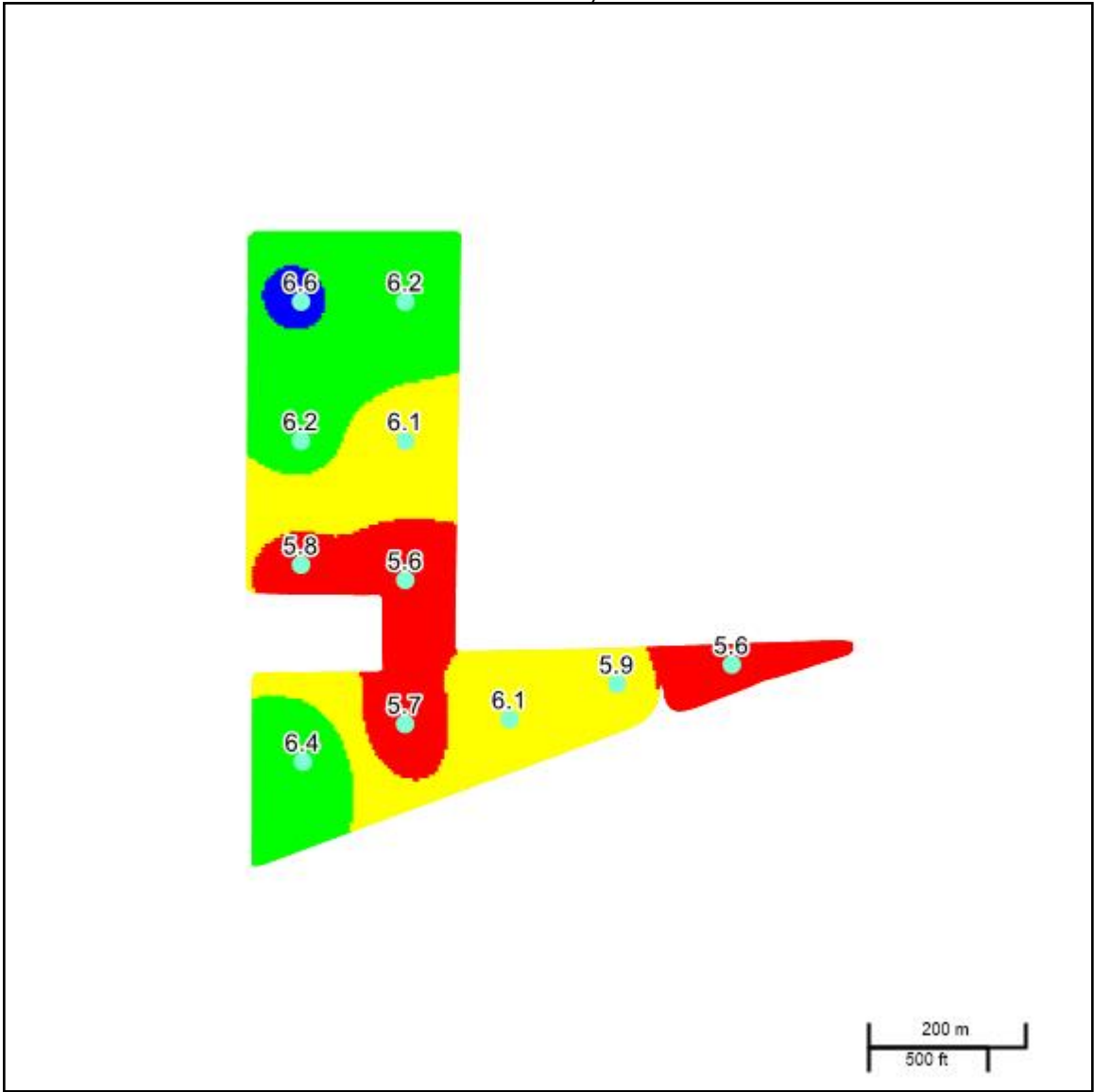


Operator: John Werts  
 Field: DICKERSON 32  
 Acres: 32.6

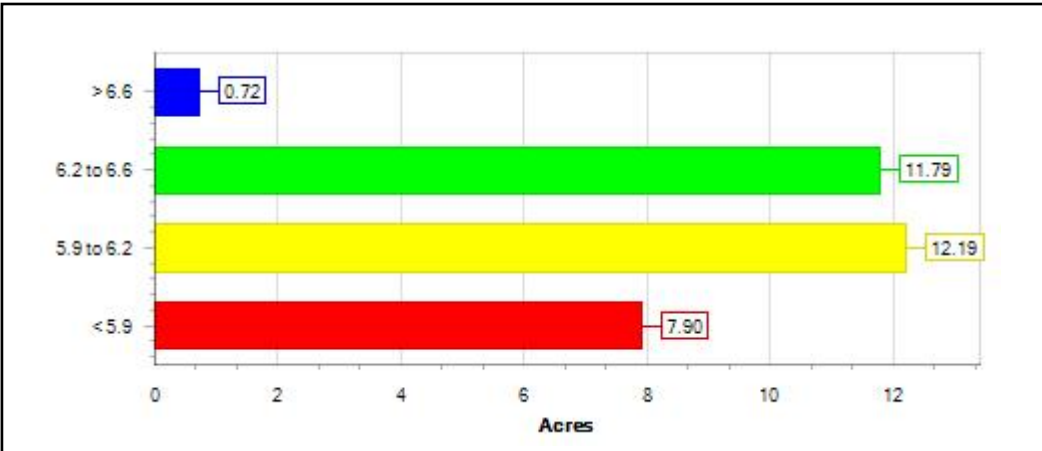
Field ID: 182800  
 Date: 04/04/2023  
 Submitted By: MAROA AG

Legend  
 PH Map

	Below 5.9 Avg: 5.7 Acres: 7.9
	5.9 - 6.1 Avg: 6.0 Acres: 12.2
	6.2 - 6.5 Avg: 6.3 Acres: 11.8
	6.6 and Above Avg: 6.6 Acres: 0.7








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 Grid Size: 440nsx330ew



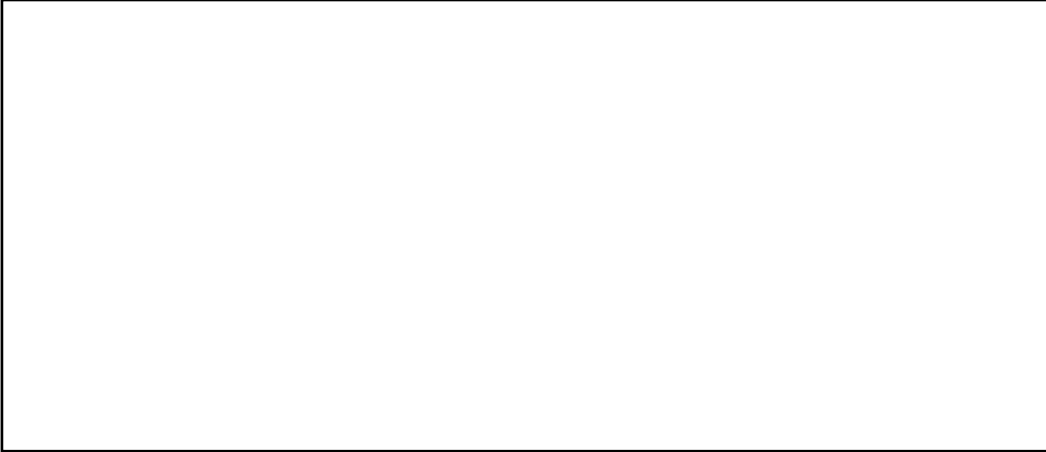
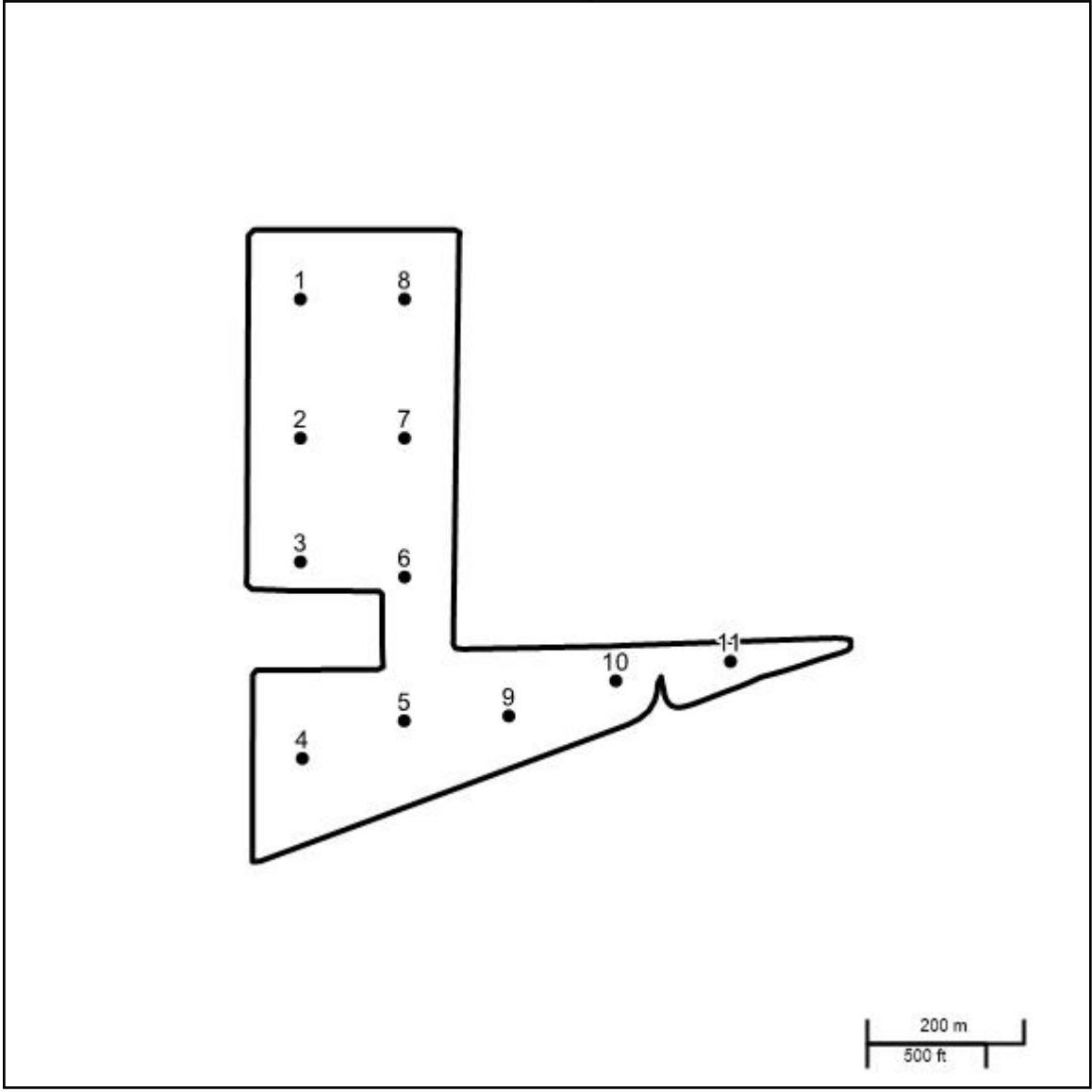
Operator: John Werts  
Field: DICKERSON 32  
Acres: 32.6

Field ID: 182800  
Date: 04/04/2023  
Submitted By: MAROA AG

Legend  
Base Map

-  Water
-  Roads
-  Timber
-  Waterway
-  Buildings

Latitude: 40.163637  
Longitude: -88.923388  
Grid Size: 440nsx330ew

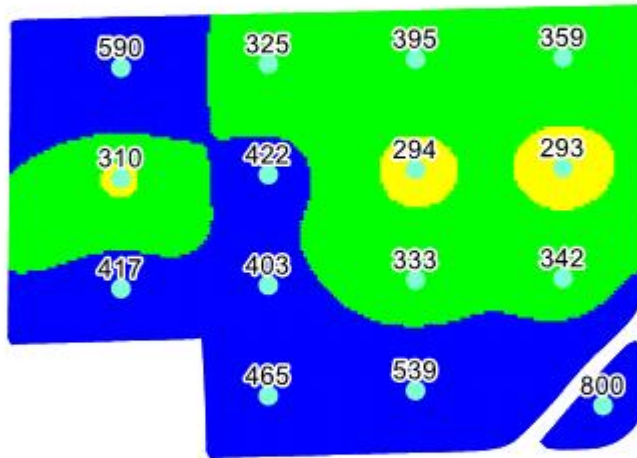


Operator: John Werts  
Field: HATCH 53  
Acres: 51.7

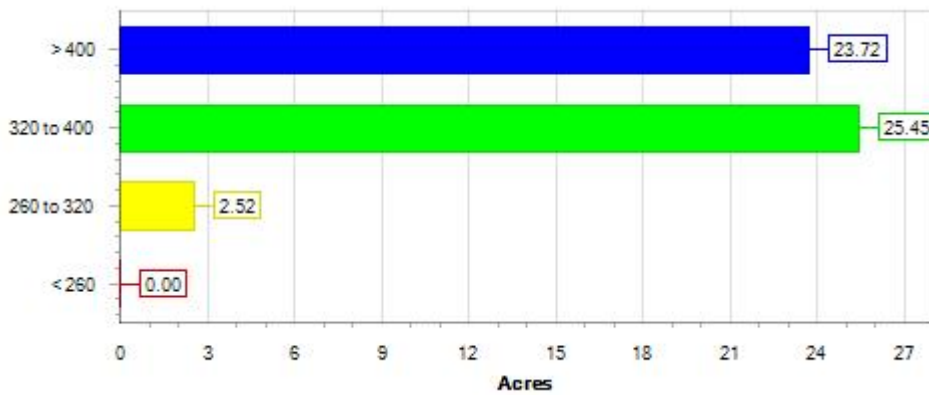
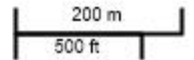
Field ID: 182801  
Date: 04/04/2023  
Submitted By: MAROA AG

Legend  
K Map

- Below 260  
Avg: Acres: 0.0
- 260 - 319  
Avg: 308 Acres: 2.5
- 320 - 399  
Avg: 360 Acres: 25.5
- 400 and Above  
Avg: 475 Acres: 23.7







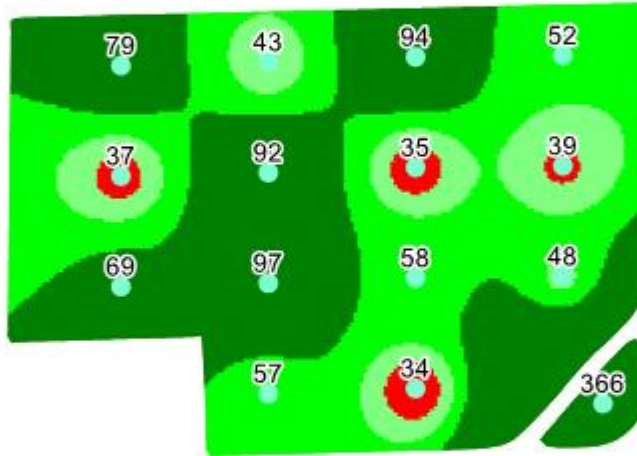
Latitude: 40.156230  
Longitude: -88.930351  
Grid Size: 330nsx440ew



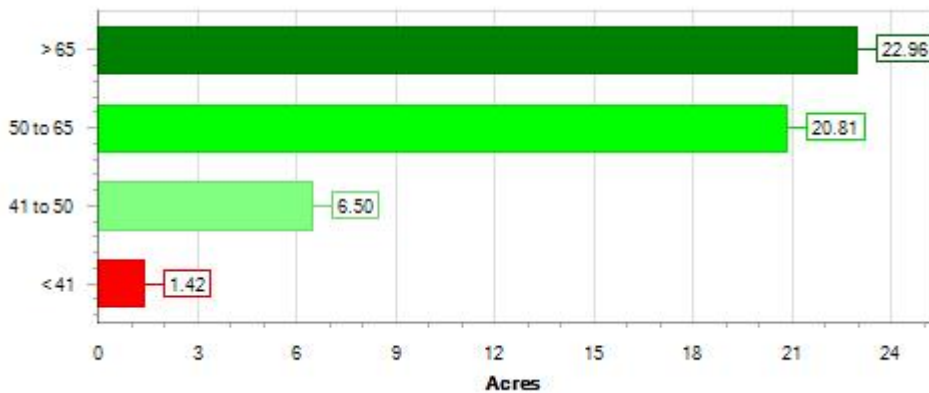
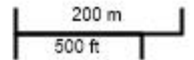
Operator: John Werts  
Field: HATCH 53  
Acres: 51.7

Field ID: 182801  
Date: 04/04/2023  
Submitted By: MAROA AG

Legend	
Phosphorus	
	40 and Below Avg: 38 Acres: 1.4
	41-50 Avg: 46 Acres: 6.5
	51 - 65 Avg: 57 Acres: 20.8
	Above 65 Avg: 97 Acres: 23.0









Latitude: 40.156230  
Longitude: -88.930351  
Grid Size: 330nsx440ew



Operator: John Werts  
 Field: HATCH 53  
 Acres: 51.7

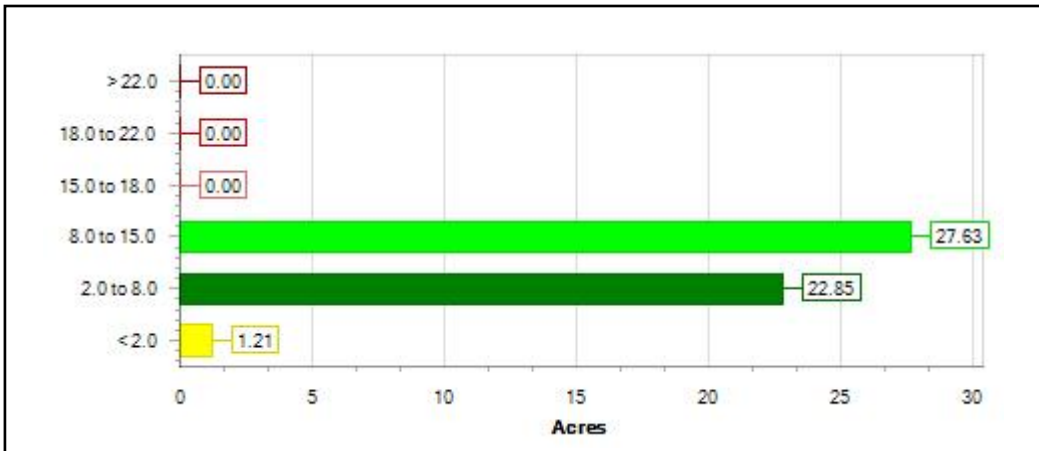
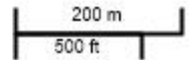
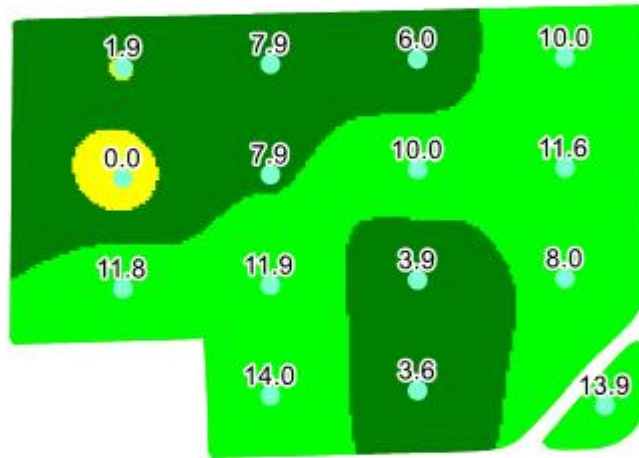
Field ID: 182801  
 Date: 04/04/2023  
 Submitted By: MAROA AG

**Legend**  
 % Hydrogen

	Below 2% (High pH) Avg: 1.2 Acres: 1.2
	2% - 8% (Desired) Avg: 5.6 Acres: 22.8
	8%-15% (1 Ton Lime) Avg: 10.1 Acres: 27.6
	15-18 (1.5 Ton Lime) Avg: Acres: 0.0
	18-22 (2 Ton Lime) Avg: Acres: 0.0
	22% + (3 Ton Lime) Avg: Acres: 0.0




We need to strive to get all of our %Hydrogen levels below 8%. Increased hydrogen levels make our soils acidic interfering with plant food availability to the crop. Ag-Lime will decrease elevated levels.

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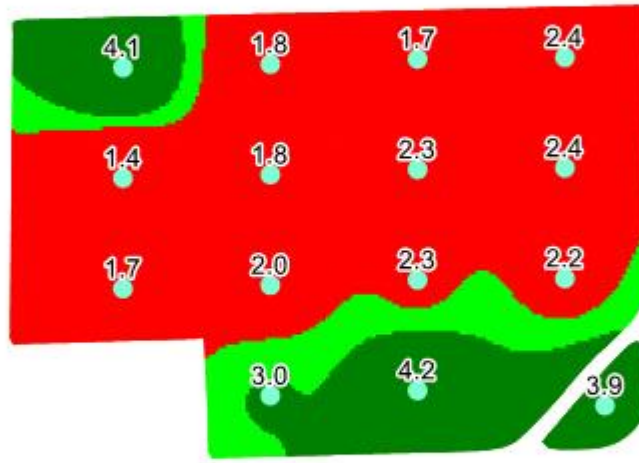


Operator: John Werts  
 Field: HATCH 53  
 Acres: 51.7

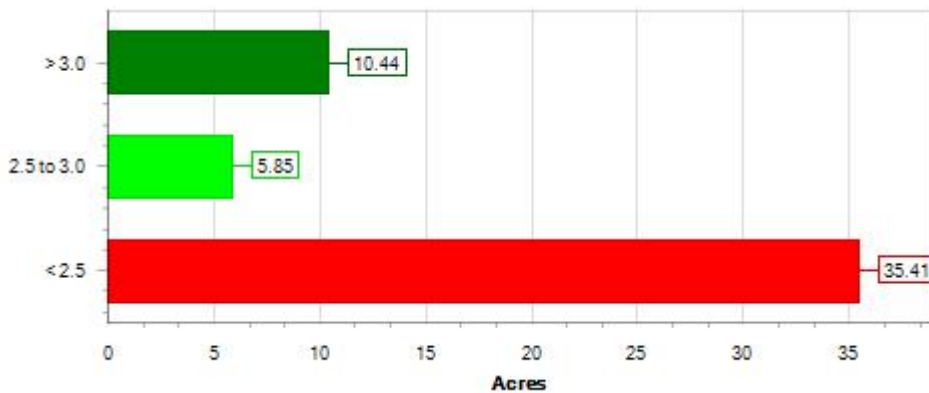
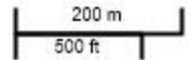
Field ID: 182801  
 Date: 04/04/2023  
 Submitted By: MAROA AG

Legend % Potassium	
	2.4% and Below Avg: 2.1 Acres: 35.4
	2.5% - 3.0% Avg: 2.7 Acres: 5.8
	Above 3.0% Avg: 3.5 Acres: 10.4

The %K level is a more accurate snapshot of Potassium. This takes into consideration the variable soil types within a farm. A good level is 3.0% or higher. An average level would be 2.5% - 3.0%. Below 2.5% would be low.



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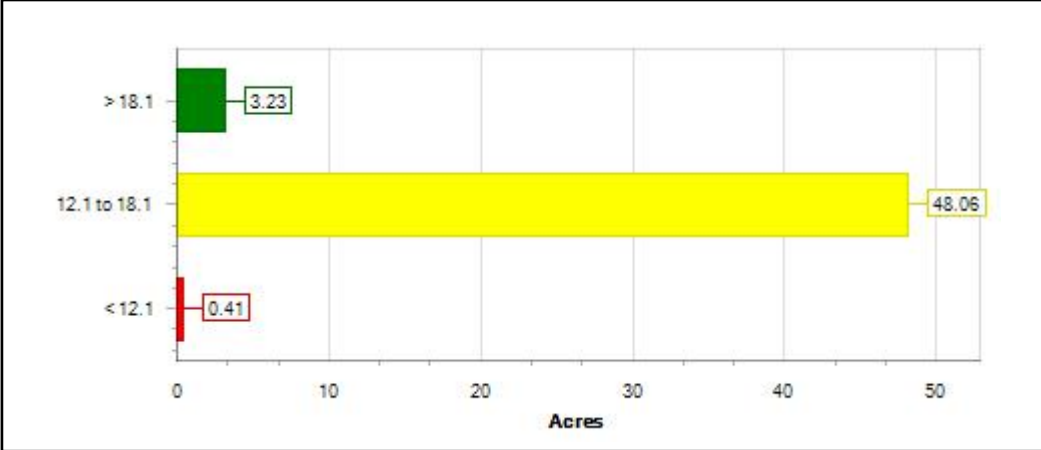
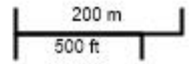
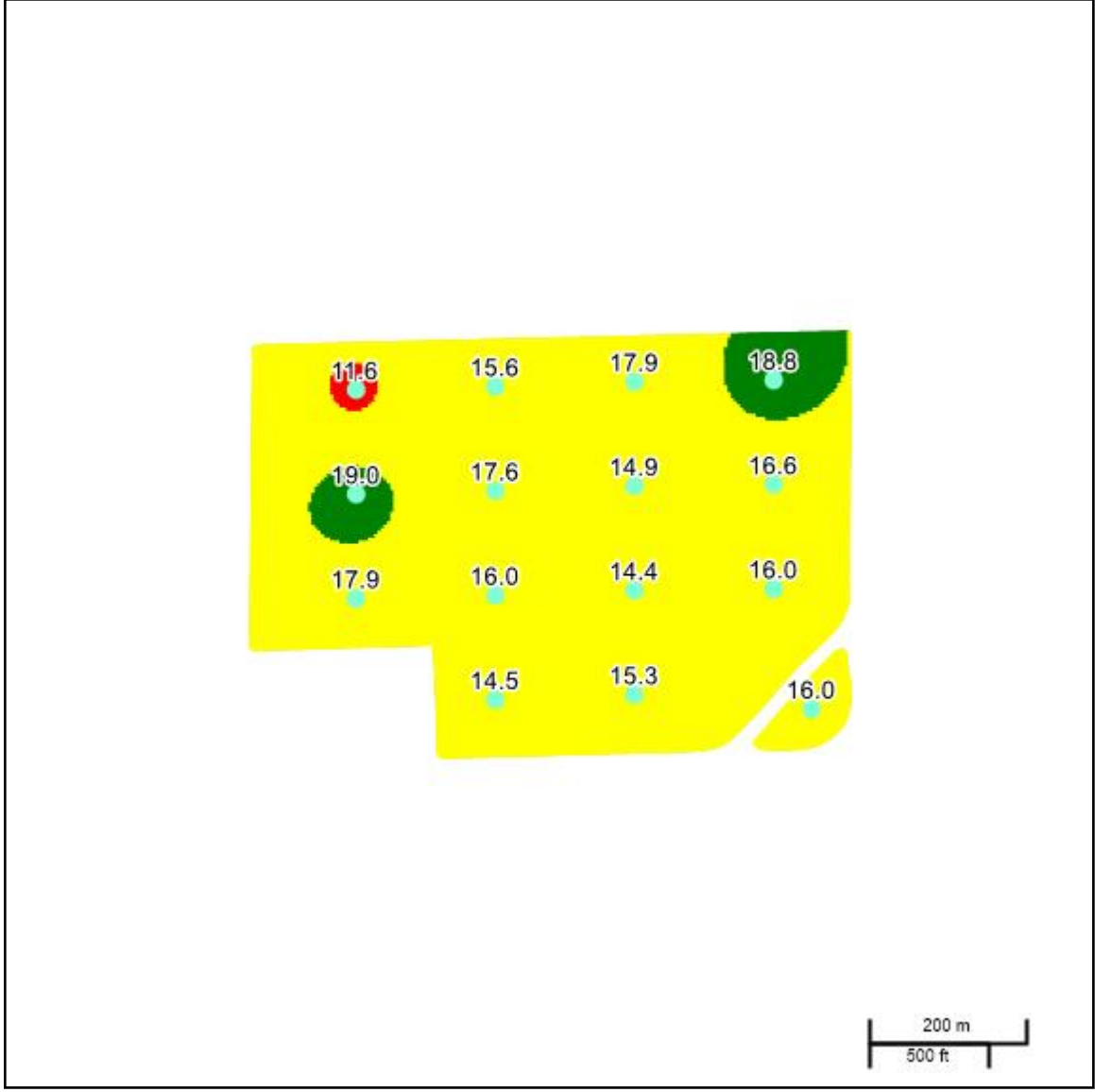
Operator: John Werts  
 Field: HATCH 53  
 Acres: 51.7

Field ID: 182801  
 Date: 04/04/2023  
 Submitted By: MAROA AG

Legend % Magnesium	
<span style="color: red;">■</span>	2.4% and Below Avg: 11.8 Acres: 0.4
<span style="color: yellow;">■</span>	2.5% - 3.0% Avg: 16.0 Acres: 48.1
<span style="color: green;">■</span>	Above 3.0% Avg: 18.4 Acres: 3.2

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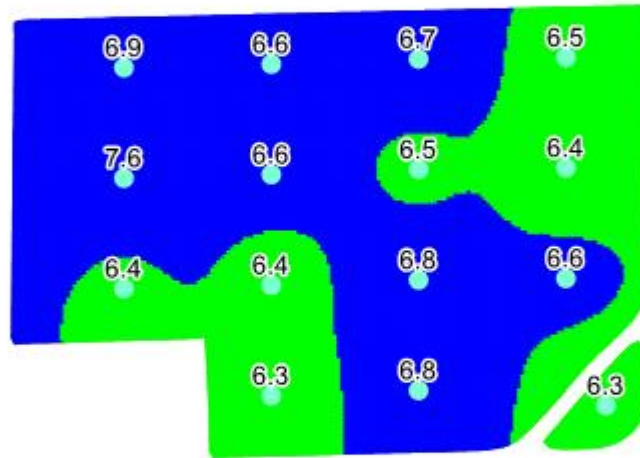


Operator: John Werts  
Field: HATCH 53  
Acres: 51.7

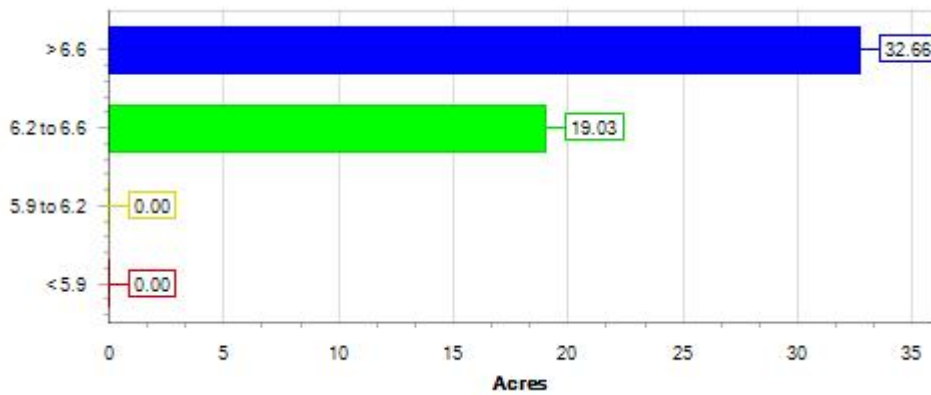
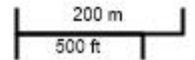
Field ID: 182801  
Date: 04/04/2023  
Submitted By: MAROA AG

Legend  
PH Map

- Below 5.9  
Avg: Acres: 0.0
- 5.9 - 6.1  
Avg: Acres: 0.0
- 6.2 - 6.5  
Avg: 6.5 Acres: 19.0
- 6.6 and Above  
Avg: 6.8 Acres: 32.7



Latitude: 40.156230  
Longitude: -88.930351  
Grid Size: 330nsx440ew








Operator: John Werts  
Field: HATCH 53  
Acres: 51.7

Field ID: 182801  
Date: 04/04/2023  
Submitted By: MAROA AG

Legend

Base Map

-  Water
-  Roads
-  Timber
-  Waterway
-  Buildings

Latitude: 40.156230  
Longitude: -88.930351  
Grid Size: 330nsx440ew

