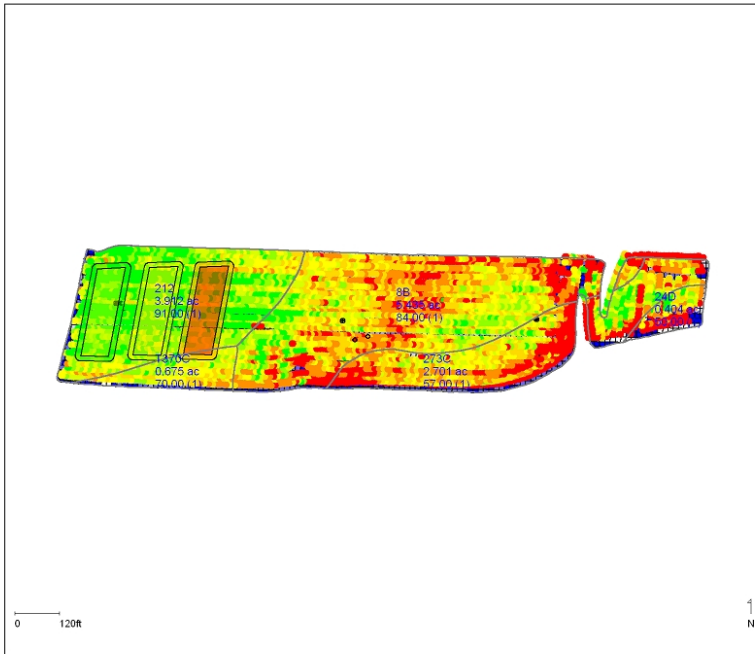


# Nitrogen Trials

Grain Harvest and Soil Type  
2006 - Tahoe Highway 71 Corn



Grower : Marty Mattes  
Farm : 4M Farm  
Field : Tahoe Highway 71  
Year : 2006  
Operation : Grain Harvest  
Op. Instance : Harvest - 1  
"As-harvested" Area : 12.74 ac  
Avg. Yield (Raw - Monitor) : 145.30 bu/ac  
Avg. Moisture (Raw - Monitor) : 16.11 %  
Average Speed : 3.247 mph  
Average Estimated Volume (Dry) : 150.21 bu/ac  
Average Moisture : 16.15 %

Grower : Marty Mattes  
Farm : 4M Farm  
Field : Tahoe Highway 71  
Year : NOYEAR  
Operation : SSURGO  
Crop / Product : NO PRODUCT  
Op. Instance : Instance - 1  
Area : 13.09 ac  
Count : 5  
Average CSR : 78.76 (1)  
Average CEC (Midpoint) : 28.31 meq/100g  
Average Organic Matter (Midpoint) : 3.947 %  
Average Yield Goal (Corn) : 150.45 bu/ac  
Average Yield Goal (Soybeans) : 50.26 bu/ac

Estimated Volume (Dry) (bu/ac)

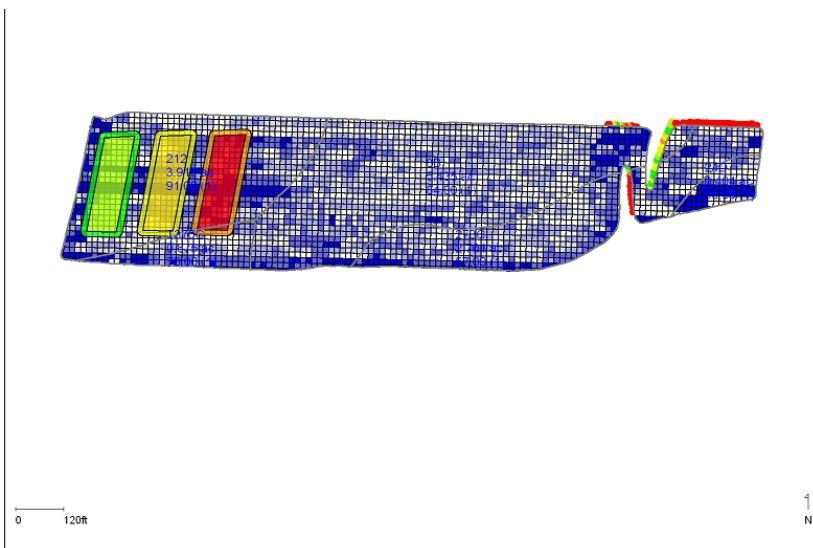
181.49 - 190.77	(1.697 ac)
169.67 - 181.49	(1.794 ac)
160.42 - 169.67	(1.897 ac)
150.70 - 160.42	(1.889 ac)
139.42 - 150.70	(1.899 ac)
122.81 - 139.42	(1.924 ac)
0.00 - 122.81	(1.712 ac)

Marks

- ✕ Rock (1)
- ◇ Strand (2)
- ⊙ Weed (2)



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# Summary – Nitrogen Trials

- Includes N from carrier, 10-34-0, and 32%
- “Whole-field” VRT N/P application (no soil samples collected)
- Accepted “whole-field” N-goals may leave untapped yield
  - Maximize N applied with georeferenced ISNT samples

Yield Summary

Avg Test Yield	N-Goal, lb-N/a	CSR	lb-N per Yield
191.68	135.29	91	1.42
182.78	130.11	91	1.40
189.39	134.83	86	1.40
183.64	133.62	88	1.37
182.96	135.39	87	1.35
182.6	136.25	89	1.34
190.71	142.34	87	1.34
172.64	129.11	87	1.34
Average =			<b>1.34</b>