



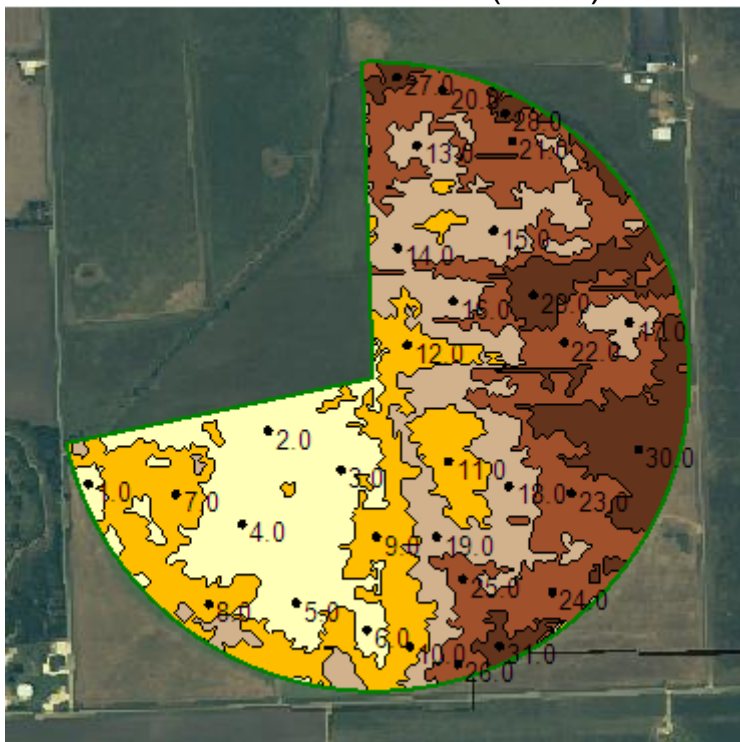
Windmill Farms

Hay

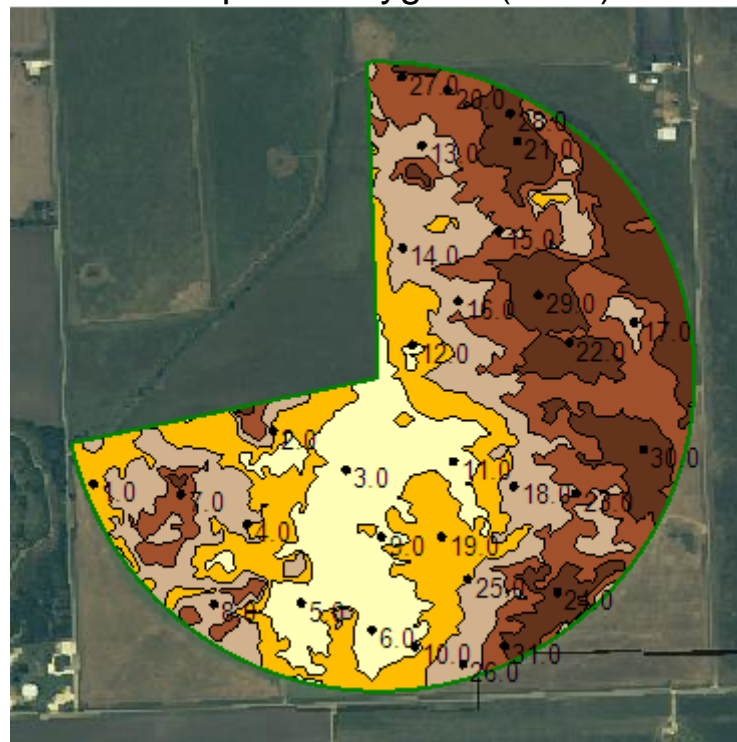
Hay

Area: 364.47 ac

Shallow EC Zones (2012)



Deep EC Polygons (2012)



Grower: Windmill Farms
 Farm: Hay
 Field: Hay
 Area: 364.47 ac

Season: 2012
 Min: 86.78 mS/meter
 Avg: 132.35 mS/meter
 Max: 175.62 mS/meter

	Field Boundary
Shallow EC Zones	
	1 (70.2 ac) (19.3 %)
	2 (73.9 ac) (20.3 %)
	3 (81.3 ac) (22.3 %)
	4 (88.7 ac) (24.3 %)
	5 (50.3 ac) (13.8 %)

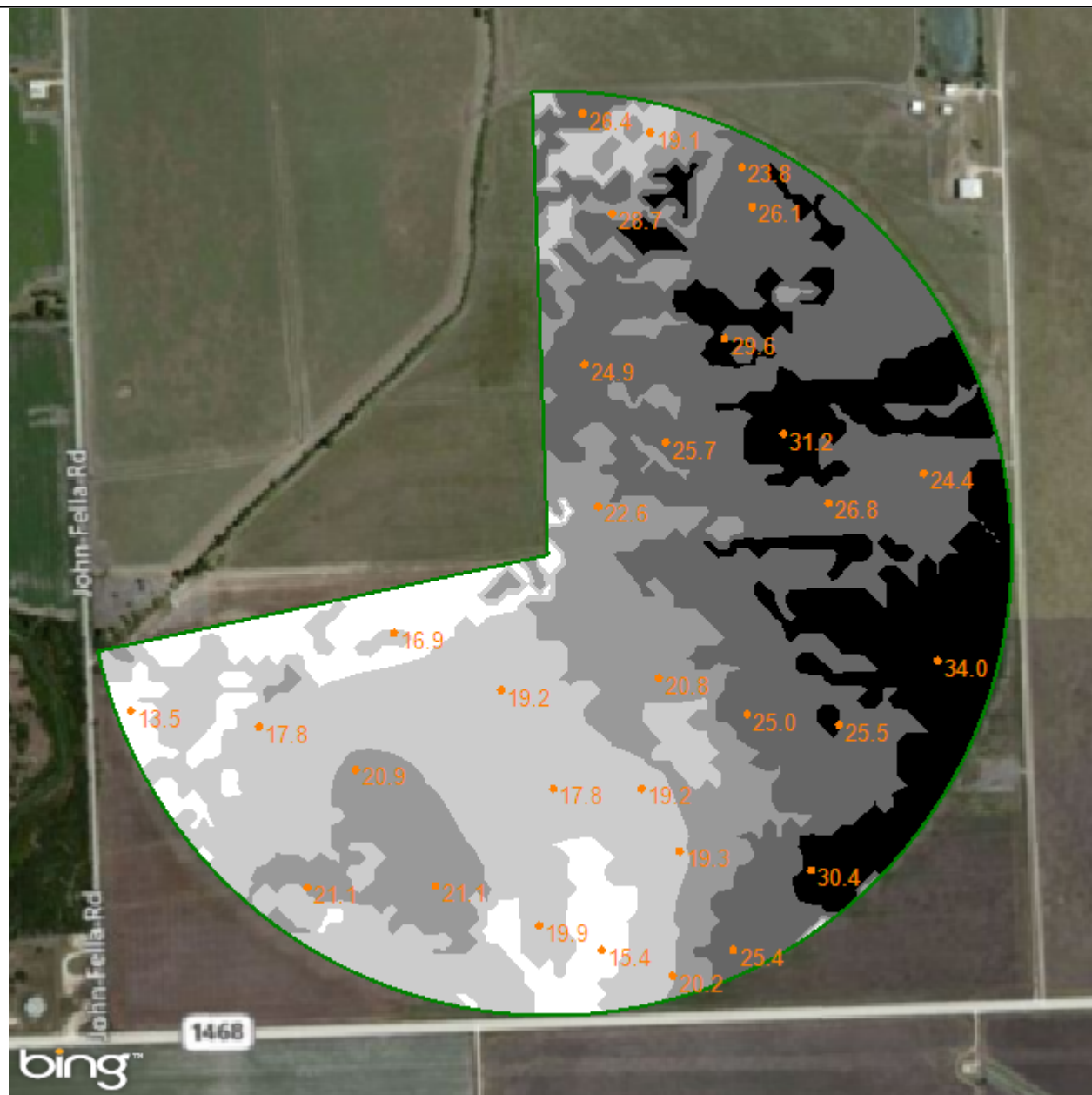
	Field Boundary
Deep EC Polygons mS/meter	
	86.8 - 113.3 (60.5 ac) (16.6 %)
	113.3 - 125.5 (77.8 ac) (21.3 %)
	125.6 - 138.3 (84.0 ac) (23.1 %)
	138.3 - 151 (78.9 ac) (21.6 %)
	151 - 175.6 (63.2 ac) (17.3 %)



CEC - Soil Test

Grower: Windmill Farms
 Farm: Hay
 Field: Hay
 Area: 364.47 ac

Season: 2012
 Min: 13.46 meq/100 g
 Avg: 23.31 meq/100 g
 Max: 33.98 meq/100 g



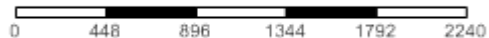
Field Boundary	
CEC - Soil Test meq/100 g	
Lightest Gray	13.5 - 17.9 (34.0 ac) (9.3 %)
Light Gray	17.9 - 20.3 (95.0 ac) (26.1 %)
Dark Gray	20.3 - 23.7 (70.3 ac) (19.3 %)
Black	23.7 - 28.5 (106.8 ac) (29.3 %)
Black	28.5 - 34 (58.3 ac) (16.0 %)

bing™

1468



One in = 957 feet



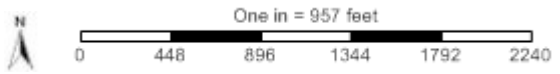
OM - Soil Test

Grower: Windmill Farms
 Farm: Hay
 Field: Hay
 Area: 364.47 ac

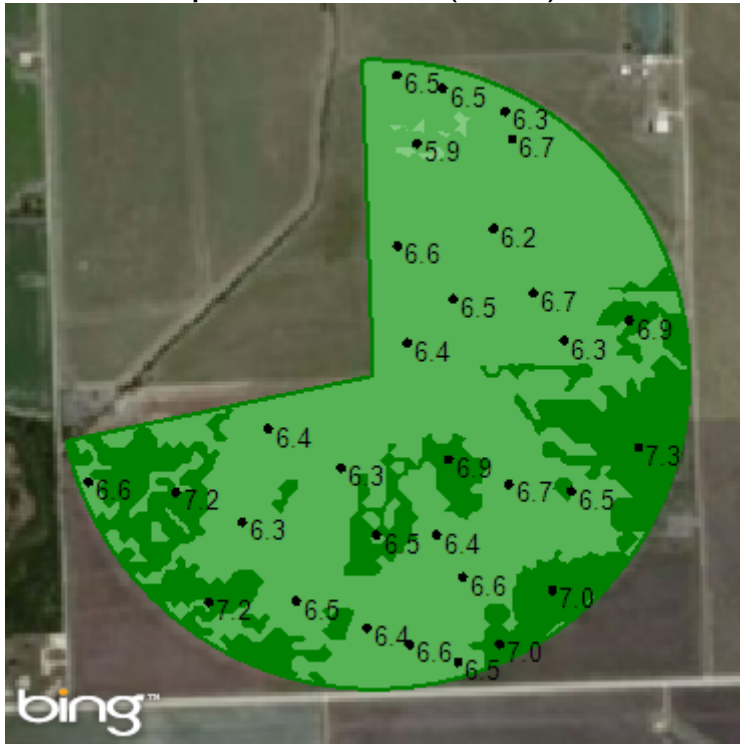
Season: 2012
 Min: 2.22 Percent
 Avg: 3.47 Percent
 Max: 4.80 Percent



	Field Boundary
OM - Soil Test Percent	
	< 2 Very Low (0.0 ac) (0.0 %)
	2 - 3 Low (112.1 ac) (30.8 %)
	3 - 5 Medium (252.3 ac) (69.2 %)
	5 - 10 Optimum (0.0 ac) (0.0 %)
	> 10 Very High (0.0 ac) (0.0 %)



pH - Soil Test (2012)



Lime Recommendation (2012)















Grower: Windmill Farms
 Farm: Hay
 Field: Hay
 Area: 364.47 ac

Season: 2012
 Min: 5.90 PH SCALE
 Avg: 6.62 PH SCALE
 Max: 7.30 PH SCALE

Season: 2012
 Min Rate: 0.00 lb/ac
 Avg Rate: 2,895.10 lb/ac
 Max Rate: 3,411.83 lb/ac
 Total Nutrient: 45,386.48 lb
 Applied Area: 15.68 ac

Order Id: 215603
 Order Task Id: 5021203
 Lime Rec Option: SMP Buffer pH
 pH Target: 6.5

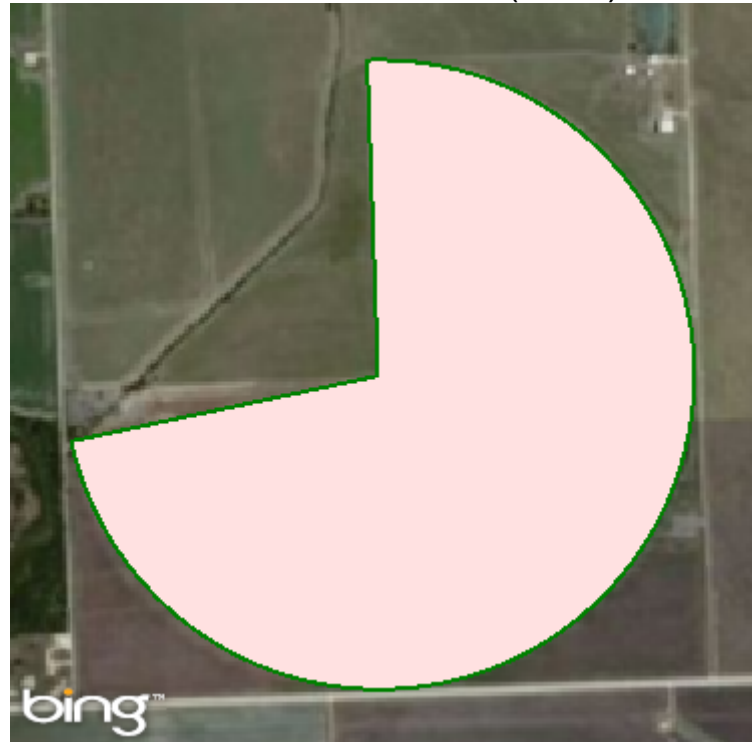
	Field Boundary
pH - Soil Test PH SCALE	
	< 5.3 Very Low (0.0 ac) (0.0 %)
	5.3 - 5.7 Low (0.0 ac) (0.0 %)
	5.7 - 6.0 Medium (3.7 ac) (1.0 %)
	6.0 - 6.8 Optimum (272.2 ac) (74.7 %)
	> 6.8 Very High (88.6 ac) (24.3 %)

	Field Boundary
Lime Recommendation lb/ac	
	0 (348.8 ac) (95.7 %)
	2414.1 - 2639.2 (3.1 ac) (0.8 %)
	2642.7 - 2802.8 (4.4 ac) (1.2 %)
	2807.3 - 3057.9 (3.2 ac) (0.9 %)
	3081.4 - 3411.8 (5.0 ac) (1.4 %)



NO3-N - Soil Test

N Recommendation (2012)



Grower: Windmill Farms
Farm: Hay
Field: Hay
Area: 364.47 ac

— Field Boundary
N Recommendation lb/ac
270 (364.5 ac) (100.0 %)

Season: 2012
Min Rate: 270.00 lb/ac
Avg Rate: 270.00 lb/ac
Max Rate: 270.00 lb/ac
Total Nutrient: 98,405.84
lb
Applied Area: 364.47 ac

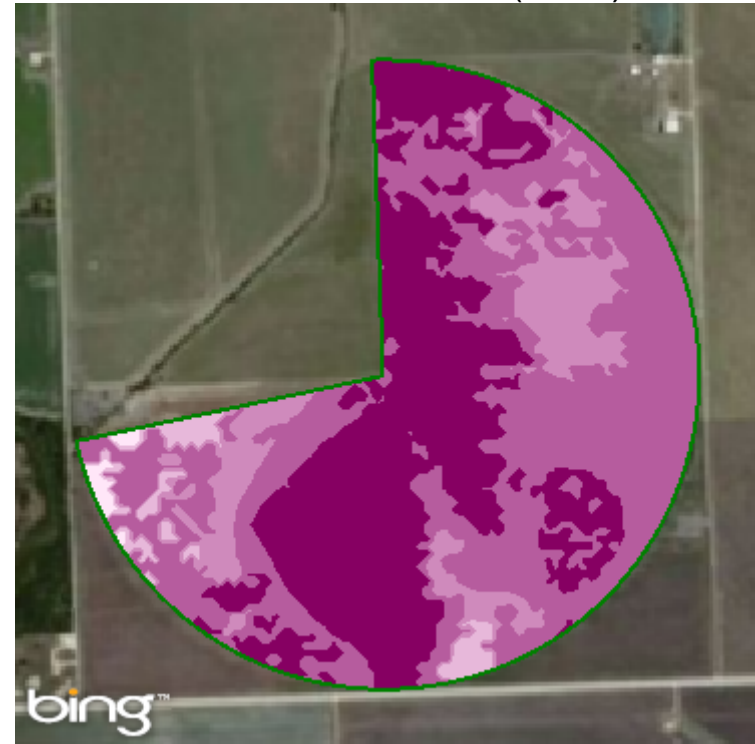
Order Id: 215603
Order Task Id: 5021194
Crop - Year 1:
Bermudagrass
Purpose - Year 1: Baled
Feed
Yield Goal - Year 1: 6



P - Soil Test (2012)



P Recommendation (2012)















Grower: Windmill Farms
 Farm: Hay
 Field: Hay
 Area: 364.47 ac

Season: 2012
 Min: 7.00 ppm
 Avg: 11.61 ppm
 Max: 35.98 ppm

Season: 2012
 Min Rate: 63.74 lb/ac
 Avg Rate: 102.57 lb/ac
 Max Rate: 114.07 lb/ac
 Total Nutrient: 37,383.26 lb
 Applied Area: 364.47 ac

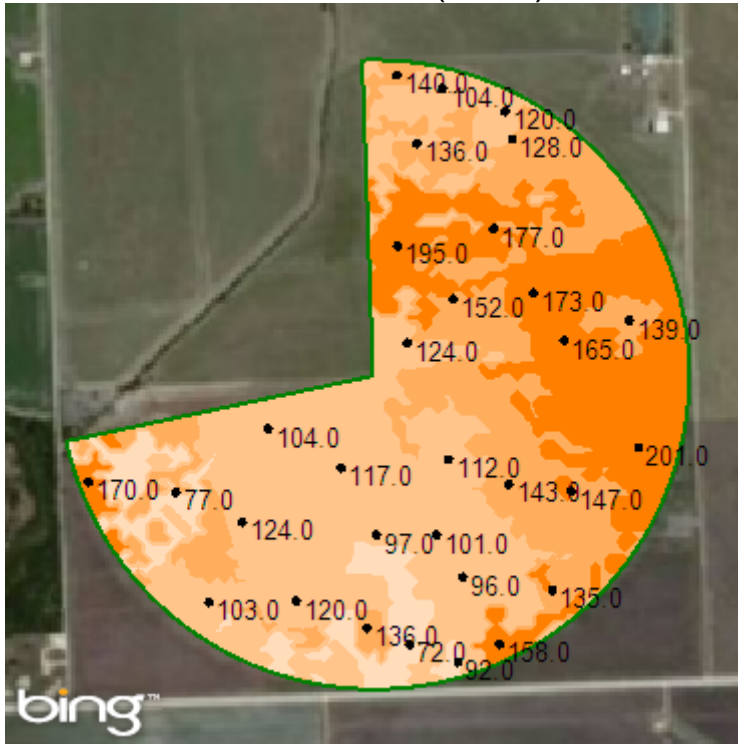
Order Id: 215603
 Order Task Id: 5021195
 Crop - Year 1: Bermudagrass
 Purpose - Year 1: Baled Feed
 Yield Goal - Year 1: 6
 P Rec Option: No Build

	Field Boundary
	P - Soil Test ppm
	< 3 Very Low (0.0 ac) (0.0 %)
	3 - 14 Low (333.9 ac) (91.6 %)
	14 - 30 Medium (27.6 ac) (7.6 %)
	30 - 50 Optimum (3.0 ac) (0.8 %)
	> 50 Very High (0.0 ac) (0.0 %)

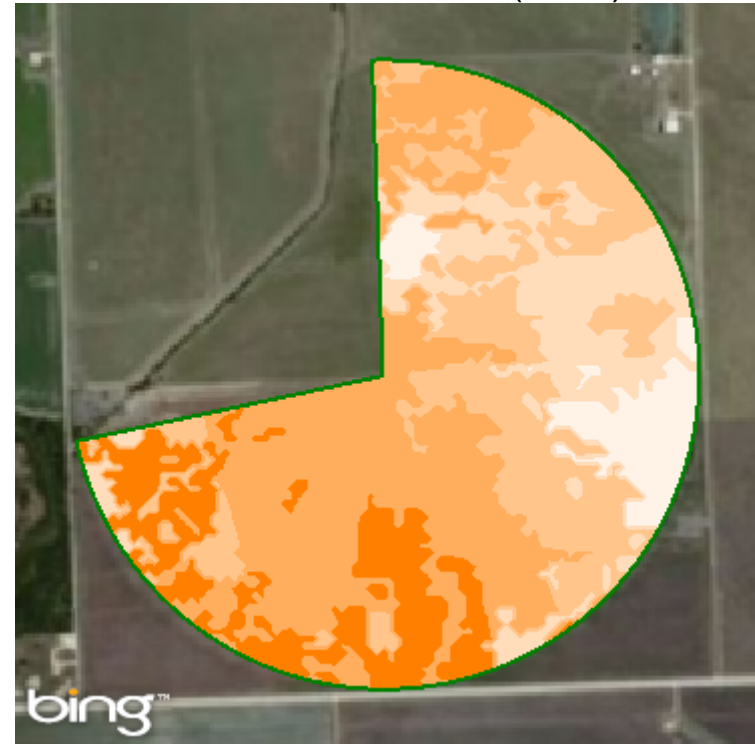
	Field Boundary
	P Recommendation lb/ac
	63.7 - 75.5 (3.8 ac) (1.0 %)
	75.9 - 89.1 (11.5 ac) (3.1 %)
	89.4 - 99.2 (51.6 ac) (14.2 %)
	99.2 - 105 (163.1 ac) (44.8 %)
	105 - 114.1 (134.5 ac) (36.9 %)



K - Soil Test (2012)



K Recommendation (2012)















Grower: Windmill Farms
 Farm: Hay
 Field: Hay
 Area: 364.47 ac

Season: 2012
 Min: 72.36 ppm
 Avg: 132.38 ppm
 Max: 200.87 ppm

Season: 2012
 Min Rate: 141.58 lb/ac
 Avg Rate: 211.01 lb/ac
 Max Rate: 263.67 lb/ac
 Total Nutrient: 76,904.87 lb
 Applied Area: 364.47 ac

Order Id: 215603
 Order Task Id: 5021196
 Crop - Year 1: Bermudagrass
 Purpose - Year 1: Baled Feed
 Yield Goal - Year 1: 6
 K Rec Option: No Build

	Field Boundary
	K - Soil Test ppm
	< 55 Very Low (0.0 ac) (0.0 %)
	55 - 93 Low (35.8 ac) (9.8 %)
	93 - 128 Medium (143.3 ac) (39.3 %)
	128 - 155 Optimum (95.8 ac) (26.3 %)
	> 155 Very High (89.5 ac) (24.6 %)

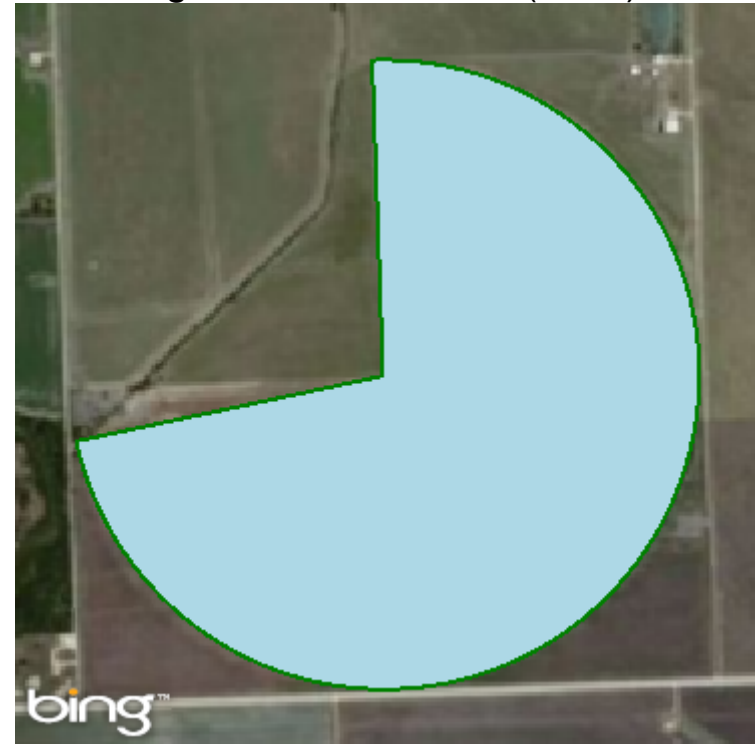
	Field Boundary
	K Recommendation lb/ac
	141.6 - 169.1 (31.9 ac) (8.7 %)
	169.5 - 194.8 (59.7 ac) (16.4 %)
	194.8 - 216.5 (92.8 ac) (25.5 %)
	216.5 - 237.4 (129.0 ac) (35.4 %)
	237.5 - 263.7 (51.0 ac) (14.0 %)



Mg - Soil Test (2012)



Mg Recommendation (2012)

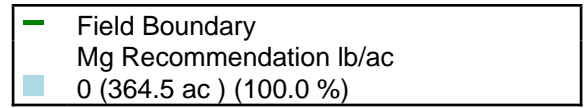
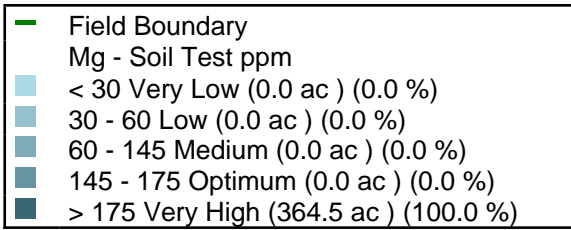


Grower: Windmill Farms
 Farm: Hay
 Field: Hay
 Area: 364.47 ac

Season: 2012
 Min: 480.20 ppm
 Avg: 1,082.67 ppm
 Max: 1,775.60 ppm

Season: 2012
 Min Rate: 0.00 lb/ac
 Avg Rate: 0.00 lb/ac
 Max Rate: 0.00 lb/ac
 Total Nutrient: 0.00 lb
 Applied Area: 0.00 ac

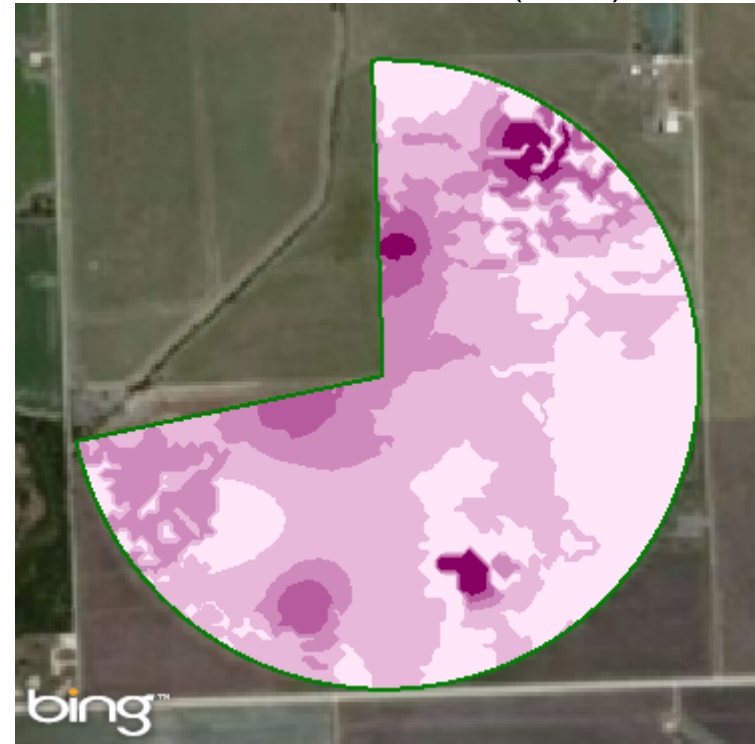
Order Id: 215603
 Order Task Id: 5021199
 Crop - Year 1: Bermudagrass
 Purpose - Year 1: Baled Feed



S - Soil Test (2012)



S Recommendation (2012)

















Grower: Windmill Farms
 Farm: Hay
 Field: Hay
 Area: 364.47 ac

Season: 2012
 Min: 4.25 ppm
 Avg: 10.90 ppm
 Max: 16.98 ppm

Season: 2012
 Min Rate: 8.73 lb/ac
 Avg Rate: 10.56 lb/ac
 Max Rate: 15.00 lb/ac
 Total Nutrient: 3,849.33 lb
 Applied Area: 364.47 ac

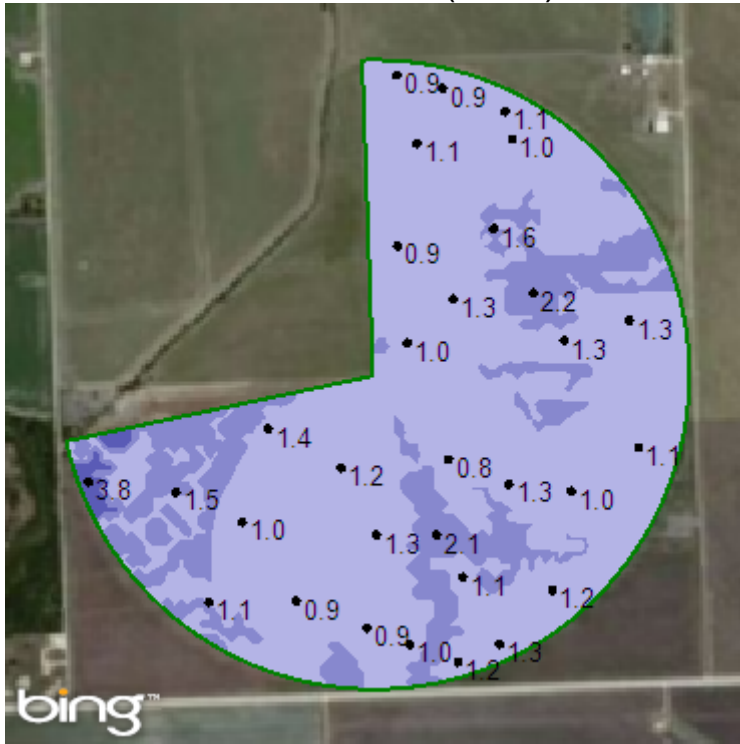
Order Id: 215603
 Order Task Id: 5021197
 Crop - Year 1: Bermudagrass
 Purpose - Year 1: Baled Feed

	Field Boundary
	S - Soil Test ppm
	< 4 Very Low (0.0 ac) (0.0 %)
	4 - 10 Low (149.4 ac) (41.0 %)
	10 - 20 Medium (215.1 ac) (59.0 %)
	20 - 40 Optimum (0.0 ac) (0.0 %)
	> 40 Very High (0.0 ac) (0.0 %)

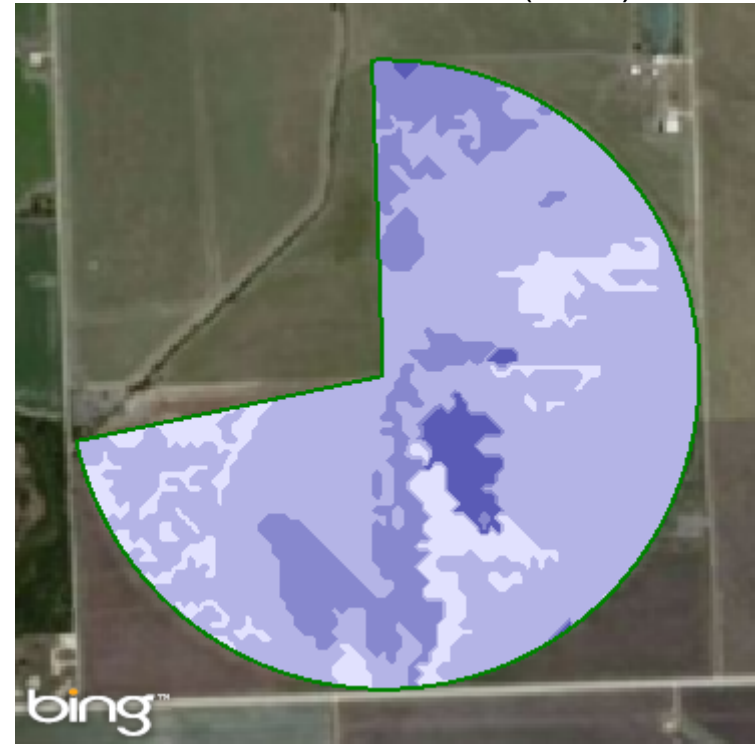
	Field Boundary
	S Recommendation lb/ac
	8.7 - 10.2 (138.6 ac) (38.0 %)
	10.2 - 11 (140.8 ac) (38.6 %)
	11 - 12 (59.3 ac) (16.3 %)
	12 - 13.2 (18.1 ac) (5.0 %)
	13.2 - 15 (7.6 ac) (2.1 %)



Zn - Soil Test (2012)



Zn Recommendation (2012)














Grower: Windmill Farms
 Farm: Hay
 Field: Hay
 Area: 364.47 ac

Season: 2012
 Min: 0.80 ppm
 Avg: 1.30 ppm
 Max: 3.80 ppm

Season: 2012
 Min Rate: 0.00 lb/ac
 Avg Rate: 2.05 lb/ac
 Max Rate: 2.40 lb/ac
 Total Nutrient: 638.63 lb
 Applied Area: 311.68 ac

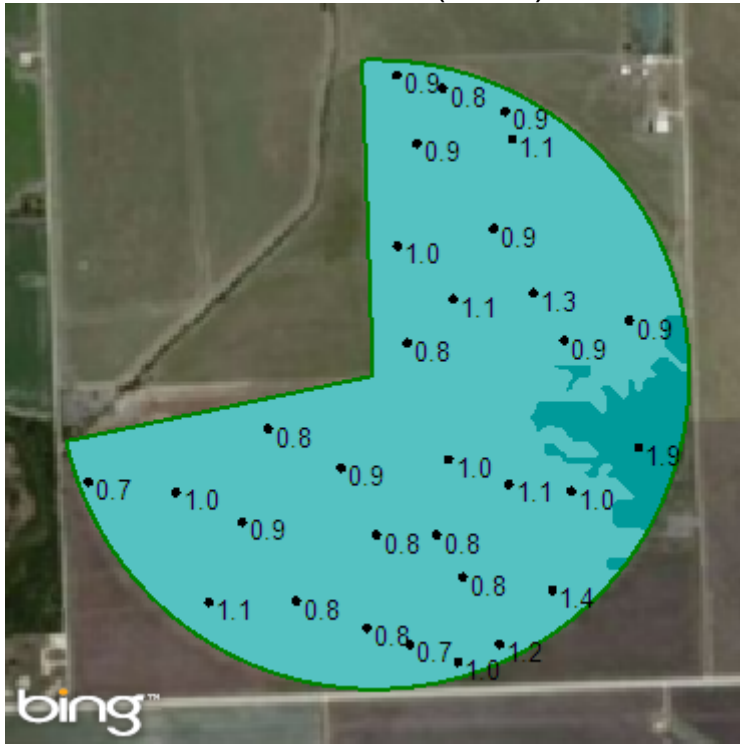
Order Id: 215603
 Order Task Id: 5021200
 Crop - Year 1: Bermudagrass
 Purpose - Year 1: Baled Feed

	Field Boundary
	Zn - Soil Test ppm
	< 0.5 Very Low (0.0 ac) (0.0 %)
	0.5 - 1.5 Low (297.0 ac) (81.5 %)
	1.5 - 3.0 Medium (63.9 ac) (17.5 %)
	3.0 - 9.0 Optimum (3.5 ac) (1.0 %)
	> 9.0 Very High (0.0 ac) (0.0 %)

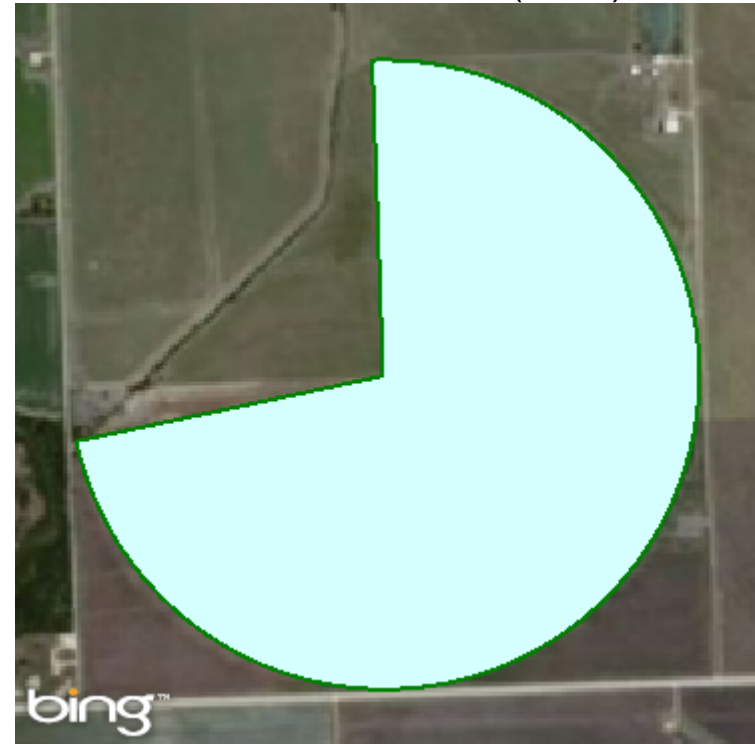
	Field Boundary
	Zn Recommendation lb/ac
	0 (52.8 ac) (14.5 %)
	2 (247.3 ac) (67.9 %)
	2.2 (52.3 ac) (14.4 %)
	2.4 (12.0 ac) (3.3 %)



B - Soil Test (2012)



B Recommendation (2012)

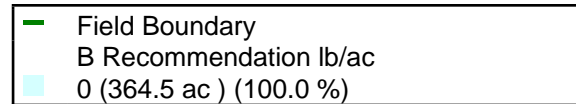
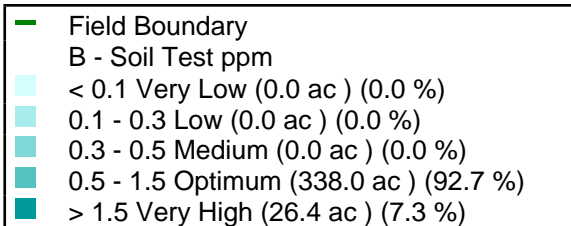


Grower: Windmill Farms
 Farm: Hay
 Field: Hay
 Area: 364.47 ac

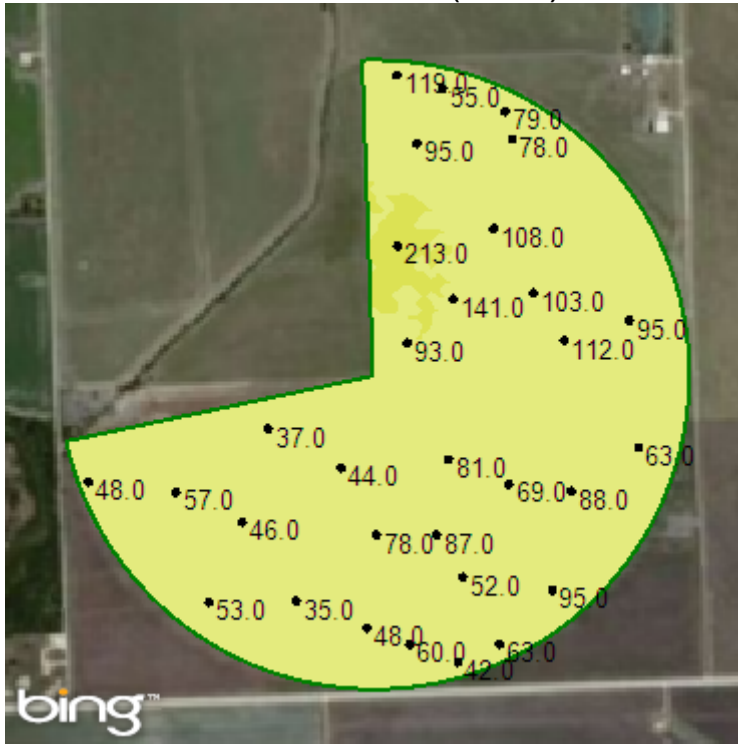
Season: 2012
 Min: 0.70 ppm
 Avg: 1.01 ppm
 Max: 1.90 ppm

Season: 2012
 Min Rate: 0.00 lb/ac
 Avg Rate: 0.00 lb/ac
 Max Rate: 0.00 lb/ac
 Total Nutrient: 0.00 lb
 Applied Area: 0.00 ac

Order Id: 215603
 Order Task Id: 5021202
 Crop - Year 1: Bermudagrass
 Purpose - Year 1: Baled Feed



Mn - Soil Test (2012)



Mn Recommendation (2012)

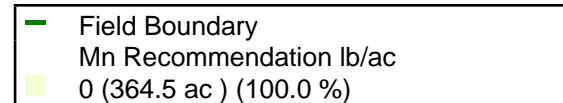
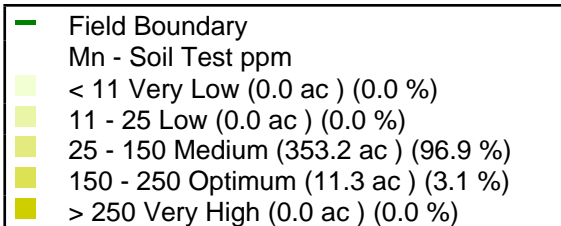


Grower: Windmill Farms
 Farm: Hay
 Field: Hay
 Area: 364.47 ac

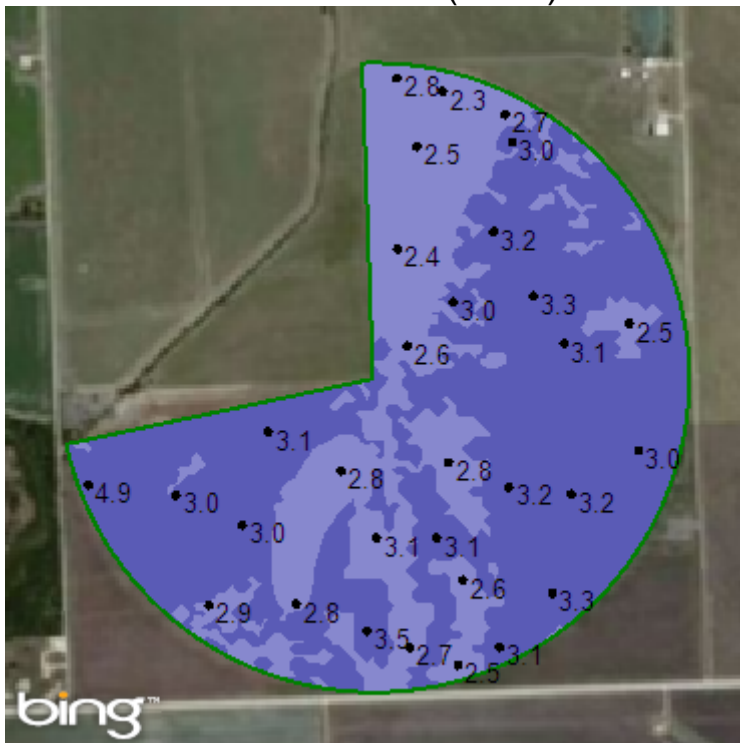
Season: 2012
 Min: 35.14 ppm
 Avg: 78.64 ppm
 Max: 210.86 ppm

Season: 2012
 Min Rate: 0.00 lb/ac
 Avg Rate: 0.00 lb/ac
 Max Rate: 0.00 lb/ac
 Total Nutrient: 0.00 lb
 Applied Area: 0.00 ac

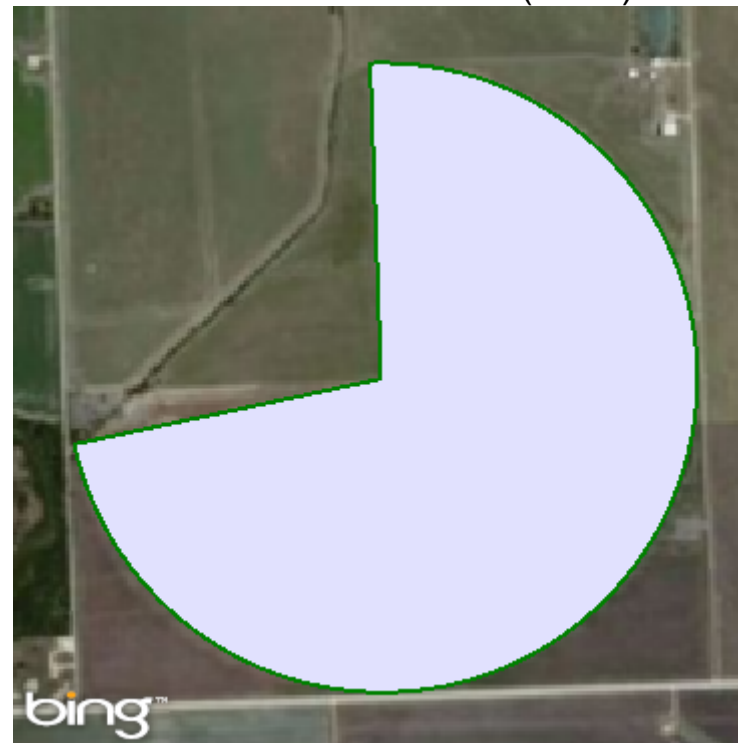
Order Id: 215603
 Order Task Id: 5021198
 Crop - Year 1: Bermudagrass
 Purpose - Year 1: Baled Feed



Cu - Soil Test (2012)



Cu Recommendation (2012)











Grower: Windmill Farms
 Farm: Hay
 Field: Hay
 Area: 364.47 ac

Season: 2012
 Min: 2.26 ppm
 Avg: 2.97 ppm
 Max: 4.90 ppm

Season: 2012
 Min Rate: 0.00 lb/ac
 Avg Rate: 0.00 lb/ac
 Max Rate: 0.00 lb/ac
 Total Nutrient: 0.00 lb
 Applied Area: 0.00 ac

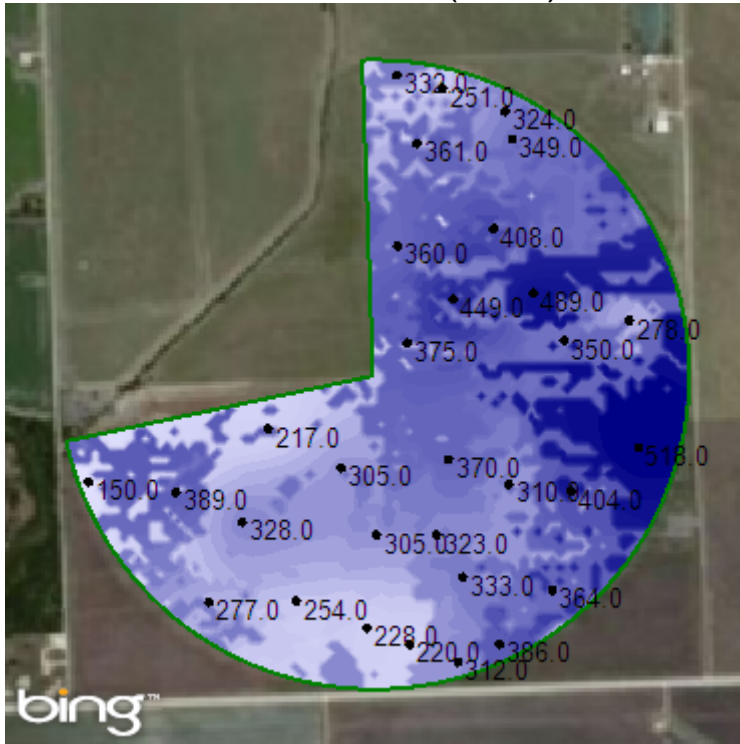
Order Id: 215603
 Order Task Id: 5021201
 Crop - Year 1: Bermudagrass
 Purpose - Year 1: Baled Feed

	Field Boundary
	Cu - Soil Test ppm
	< 0.3 Very Low (0.0 ac) (0.0 %)
	0.3 - 0.8 Low (0.0 ac) (0.0 %)
	0.8 - 2.9 Medium (136.2 ac) (37.4 %)
	2.9 - 6.0 Optimum (228.3 ac) (62.6 %)
	> 6.0 Very High (0.0 ac) (0.0 %)

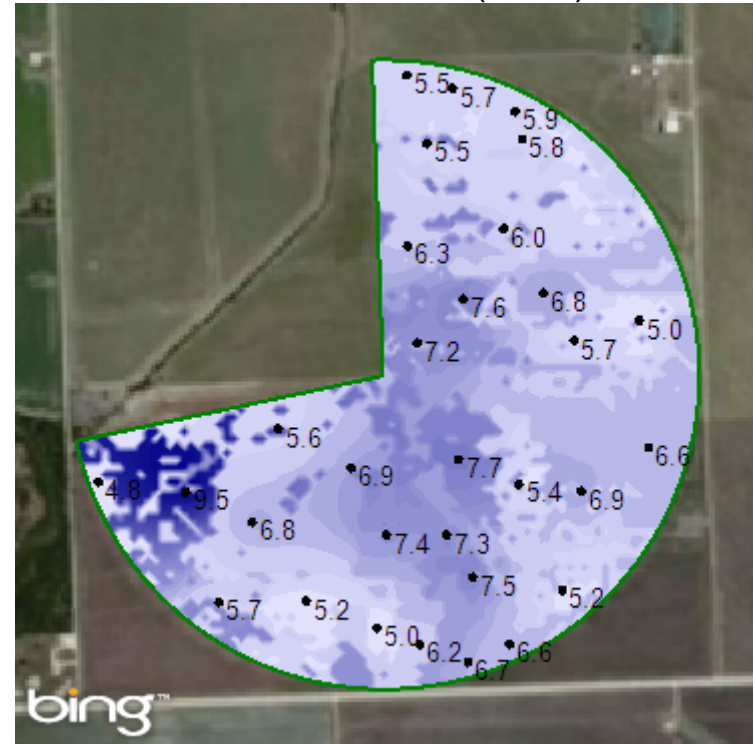
	Field Boundary
	Cu Recommendation lb/ac
	0 (364.5 ac) (100.0 %)



Na - Soil Test (2012)









Na% - Soil Test (2012)









Grower: Windmill Farms
 Farm: Hay
 Field: Hay
 Area: 364.47 ac

Season: 2012
 Min: 148.60 ppm
 Avg: 343.90 ppm
 Max: 517.77 ppm

Season: 2012
 Min: 4.78 Percent
 Avg: 6.45 Percent
 Max: 9.47 Percent

	Field Boundary
	Na - Soil Test ppm
	148.6 - 249.9 (33.4 ac) (9.2 %)
	250 - 296.3 (60.7 ac) (16.7 %)
	296.6 - 345.8 (87.3 ac) (23.9 %)
	345.8 - 431.8 (141.0 ac) (38.7 %)
	432.6 - 517.8 (42.1 ac) (11.5 %)

	Field Boundary
	Na% - Soil Test Percent
	4.8 - 6.2 (157.5 ac) (43.2 %)
	6.2 - 7 (129.1 ac) (35.4 %)
	7 - 7.9 (62.6 ac) (17.2 %)
	7.9 - 8.8 (5.0 ac) (1.4 %)
	8.8 - 9.5 (10.3 ac) (2.8 %)



Soil Test Results

Grower: Windmill Farms

Farm: Hay

Field: Hay

Area: 364.47 ac

Event Date(s): 06/06/2012

Min:	7	72	5.9	0.8	4.0	0.7	480	35.0	2.3	13.5	2.2
Max:	36	201	7.3	3.8	17.0	1.9	1,777	213.0	4.9	34.0	4.8
Avg:	12	131	6.6	1.3	10.8	1.0	1,052	78.6	3.0	23.0	3.5

Sample ID	P Mehlich III	K	pH	Zn	S	B	Mg	Mn	Cu	CEC	OM
1	36	170	6.6	3.8	12.0	0.7	480	48.0	4.9	13.5	3.0
2	13	104	6.4	1.4	7.0	0.8	777	37.0	3.1	16.9	2.2
3	9	117	6.3	1.2	9.0	0.9	852	44.0	2.8	19.2	3.8
4	10	124	6.3	1.0	14.0	0.9	970	46.0	3.0	20.9	2.8
5	10	120	6.5	0.9	6.0	0.8	998	35.0	2.8	21.1	2.9
6	10	136	6.4	0.9	11.0	0.8	793	48.0	3.5	19.9	2.6
7	13	77	7.2	1.5	8.0	1.0	778	57.0	3.0	17.8	2.3
8	10	103	7.2	1.1	10.0	1.1	815	53.0	2.9	21.1	2.5
9	8	97	6.5	1.3	11.0	0.8	690	78.0	3.1	17.8	2.8
10	10	72	6.6	1.0	9.0	0.7	719	60.0	2.7	15.4	2.4
11	8	112	6.9	0.8	12.0	1.0	984	81.0	2.8	20.8	3.1
12	7	124	6.4	1.0	8.0	0.8	1,077	93.0	2.6	22.6	3.5
13	12	136	5.9	1.1	10.0	0.9	1,135	95.0	2.5	28.7	4.7
14	8	195	6.6	0.9	6.0	1.0	1,274	213.0	2.4	24.9	3.8
15	15	177	6.2	1.6	13.0	0.9	1,301	108.0	3.2	29.6	4.8
16	9	152	6.5	1.3	10.0	1.1	1,250	141.0	3.0	25.7	4.0
17	11	139	6.9	1.3	9.0	0.9	1,217	95.0	2.5	24.4	3.8
18	11	143	6.7	1.3	10.0	1.1	1,213	69.0	3.2	25.0	3.4
19	13	101	6.4	2.1	14.0	0.8	847	87.0	3.1	19.2	3.0
20	9	104	6.5	0.9	13.0	0.8	886	55.0	2.3	19.1	4.1



21	10	128	6.7	1.0	5.0	1.1	1,135	78.0	3.0	26.1	4.7
22	14	165	6.3	1.3	12.0	0.9	1,331	112.0	3.1	26.8	4.3
23	10	147	6.5	1.0	13.0	1.0	1,298	88.0	3.2	25.5	3.6
24	10	135	7.0	1.2	13.0	1.4	1,109	95.0	3.3	30.4	3.6
25	11	96	6.6	1.1	4.0	0.8	893	52.0	2.6	19.3	3.5
26	26	92	6.5	1.2	16.0	1.0	888	42.0	2.5	20.2	3.4
27	10	140	6.5	0.9	12.0	0.9	1,248	119.0	2.8	26.4	3.9
28	11	120	6.3	1.1	15.0	0.9	1,084	79.0	2.7	23.8	4.2
29	14	173	6.7	2.2	14.0	1.3	1,513	103.0	3.3	31.2	4.2
30	11	201	7.3	1.1	17.0	1.9	1,777	63.0	3.0	34.0	3.8
31	11	158	7.0	1.3	11.0	1.2	1,273	63.0	3.1	25.4	3.1

