



Agri Technovation 

ITEST

SOIL

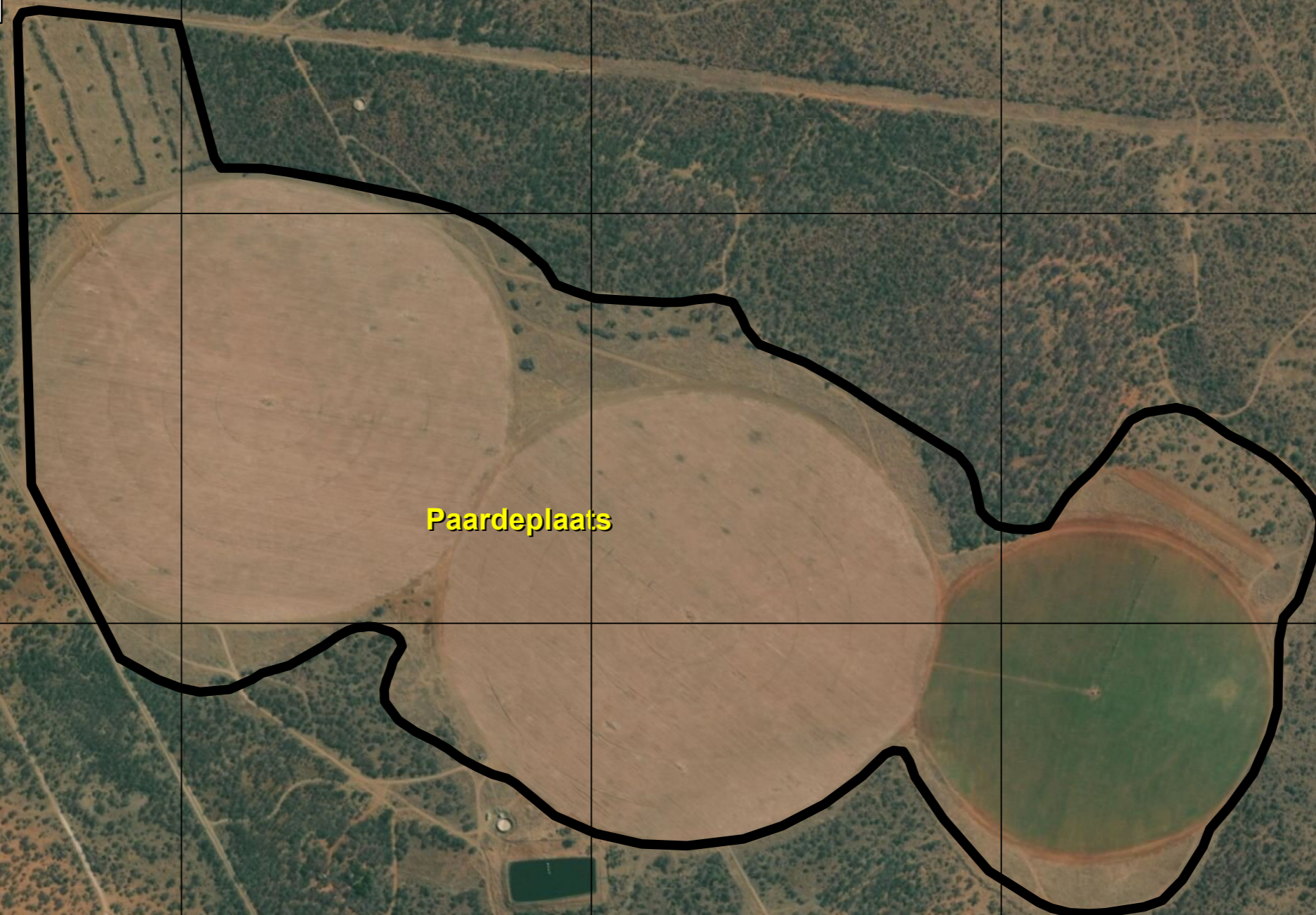
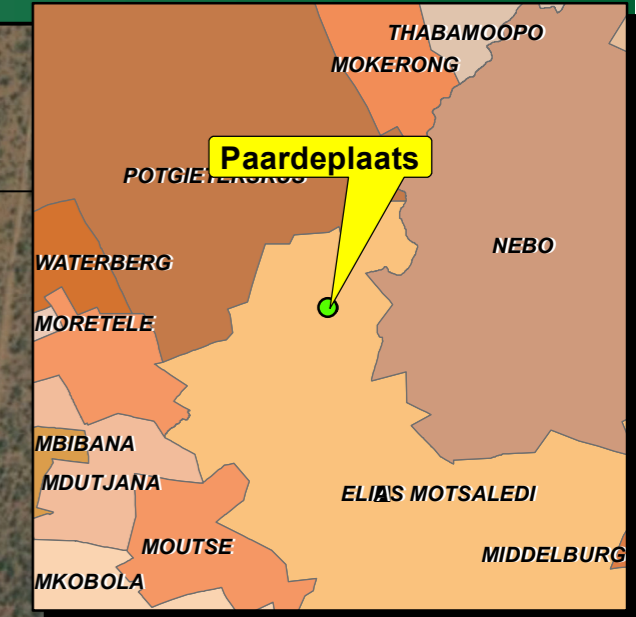
Farm Name:	Paardeplaats (Paardeplaats)
Client Name:	Manini Holdings
Agriculturalist:	Johnny Viviers
Agent:	Pieter Dreyer

MANINI HOLDINGS


Paardeplaats - Paardeplaats



Jan 2021

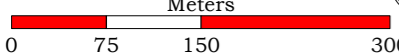


Paardeplaats

 **Paardeplaats - Paardeplaats (70.45 ha.)**

Scale 1:6000 when printed on A3 media (297mm wide x 420mm tall)

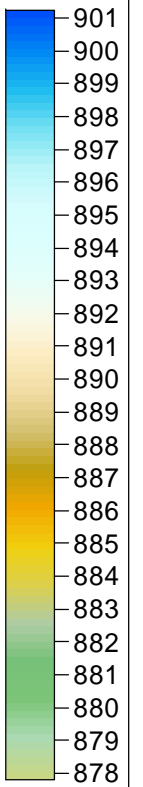
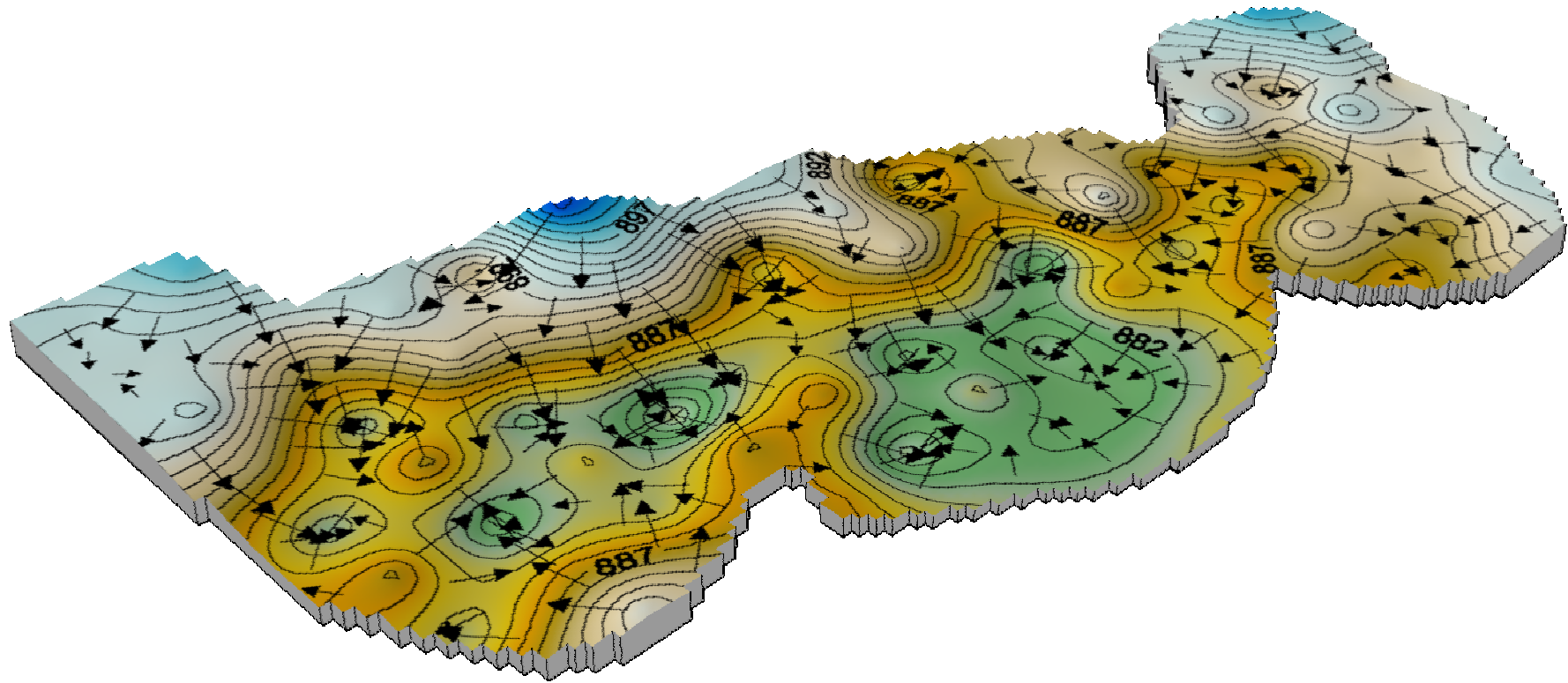
Datum: WGS84
Projection: Geographic Meters



Map layout by:
Agri Technovation
Agri Business Park
5 Louw Street
Wellington Industrial Area, 7654
South Africa
E-mail: info@agritechnovation.co.za
+27 21 300 0543

29° 19' 0" E 29° 19' 15" E 29° 19' 30" E
24° 54' 0" S 24° 54' 15" S 24° 54' 30" S

Topographic Map : Manini Holdings -Paardeplaats, Paardeplaats

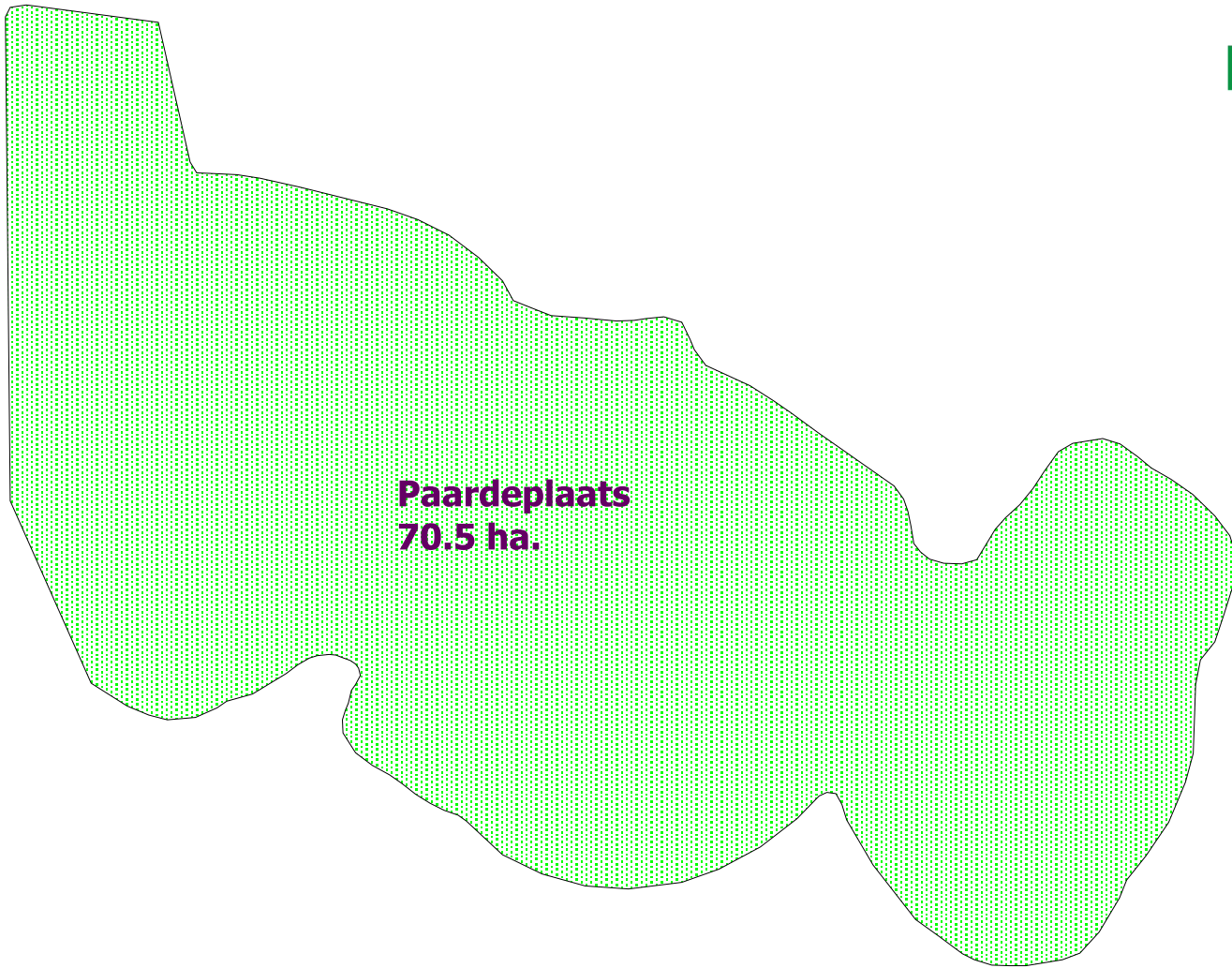


Manini Holdings - Paardeplaats
70.45 ha.

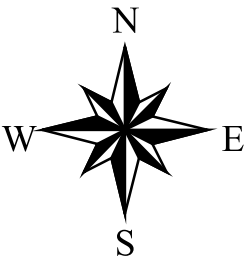



Technovation

Specialized to succeed



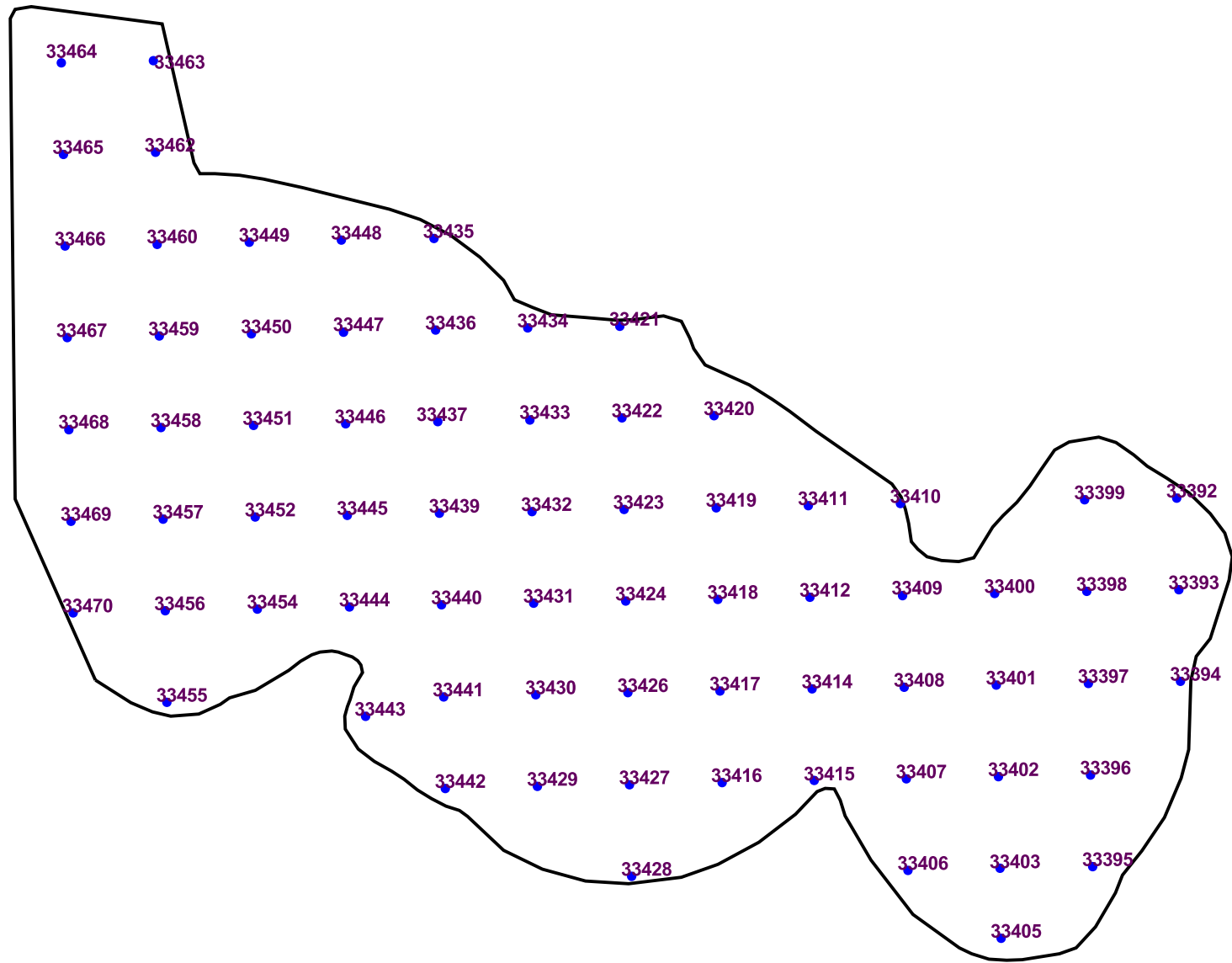
Paardeplaats
70.5 ha.



 (70.5ha.)Paardeplaats; 21

Date: Jan 5, 2021
Farm Name: Paardeplaats
Client Name: Manini Holdings
Number of Fields: 1
Total Hectares: 70.45

Manini Holdings_Paardeplaats,Paardeplaats; 21 (70.45 ha.) - Top soil samples



● Soil Sampling Points
□ (70.5ha.)Field Boundary

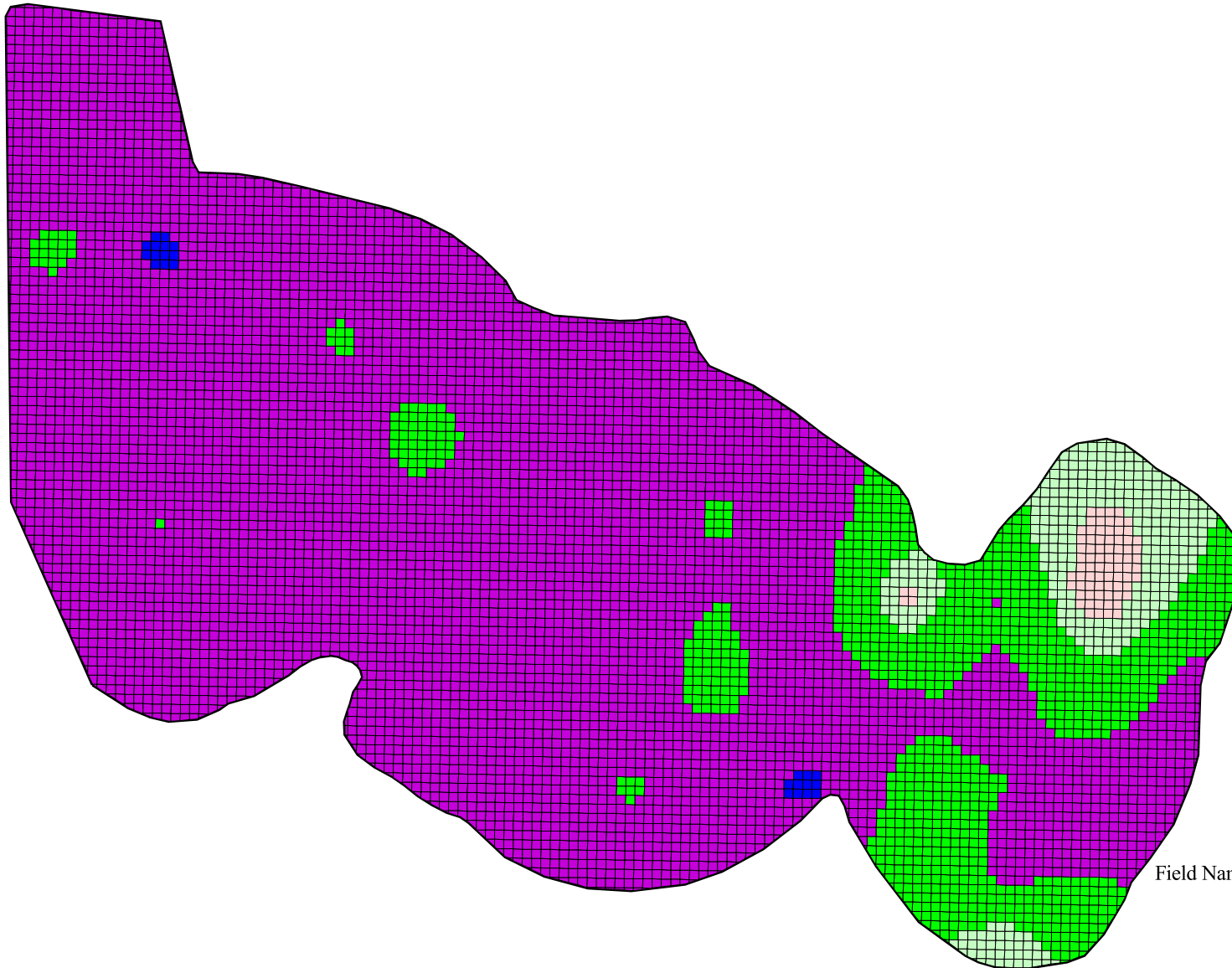
Date: Jan 12, 2021
Field Name: Manini Holdings_Paardeplaats,Paardeplaats; 21
Farm Name: Paardeplaats Chemic
Client Name: Manini Holdings
Total Hectares: 70.45
Field Boundary Start Location:
Latitude: -24.90452096
Longitude: 29.31603629

Manini Holdings_Paardeplaats,Paardeplaats; 21 (70.45 ha.) - Analysis: pH(KCL)



**Agri
Technovation**

Specialized to succeed



Analysis: Ph		
0 - 3.50	(0.0 ha. - 0.0%)	
3.50 - 4.00	(0.0 ha. - 0.0%)	
4.00 - 4.50	(0.0 ha. - 0.0%)	
4.50 - 5.00	(0.8 ha. - 1.1%)	
5.00 - 5.50	(3.2 ha. - 4.5%)	
5.50 - 6.50	(10.0 ha. - 14.1%)	
6.50 - 7.50	(56.5 ha. - 80.0%)	
>7.5	(0.2 ha. - 0.3%)	
(70.5ha.)	Field Boundary	

10 m

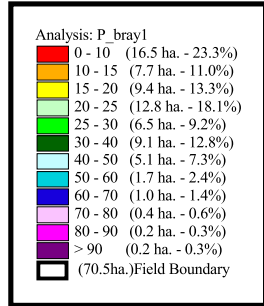
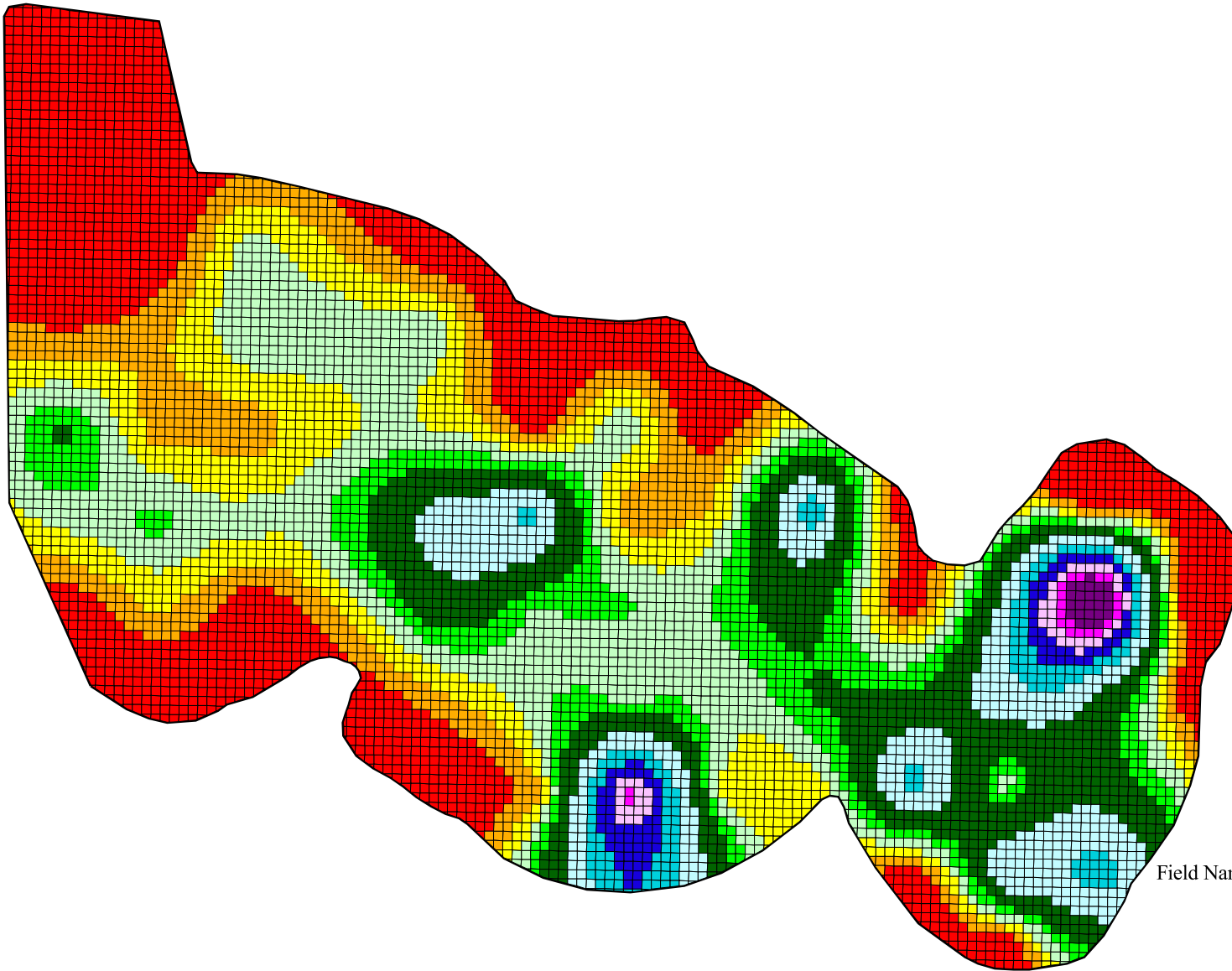
Date: Jan 12, 2021
Field Name: Manini Holdings_Paardeplaats,Paardeplaats; 21
Farm Name: Paardeplaats Chemie
Client Name: Manini Holdings
Total Hectares: 70.45
Field Boundary Start Location:
Latitude: -24.90452096
Longitude: 29.31603629
No. of Observations: 7334
Minimum Ph: 4.56
Maximum Ph: 7.65
Average Ph: 6.73

Manini Holdings_Paardeplaats,Paardeplaats; 21 (70.45 ha.) - Analysis: P Bray1(mg/kg)



Technovation

Specialized to succeed



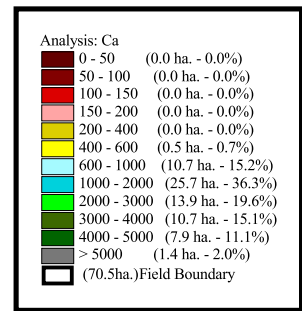
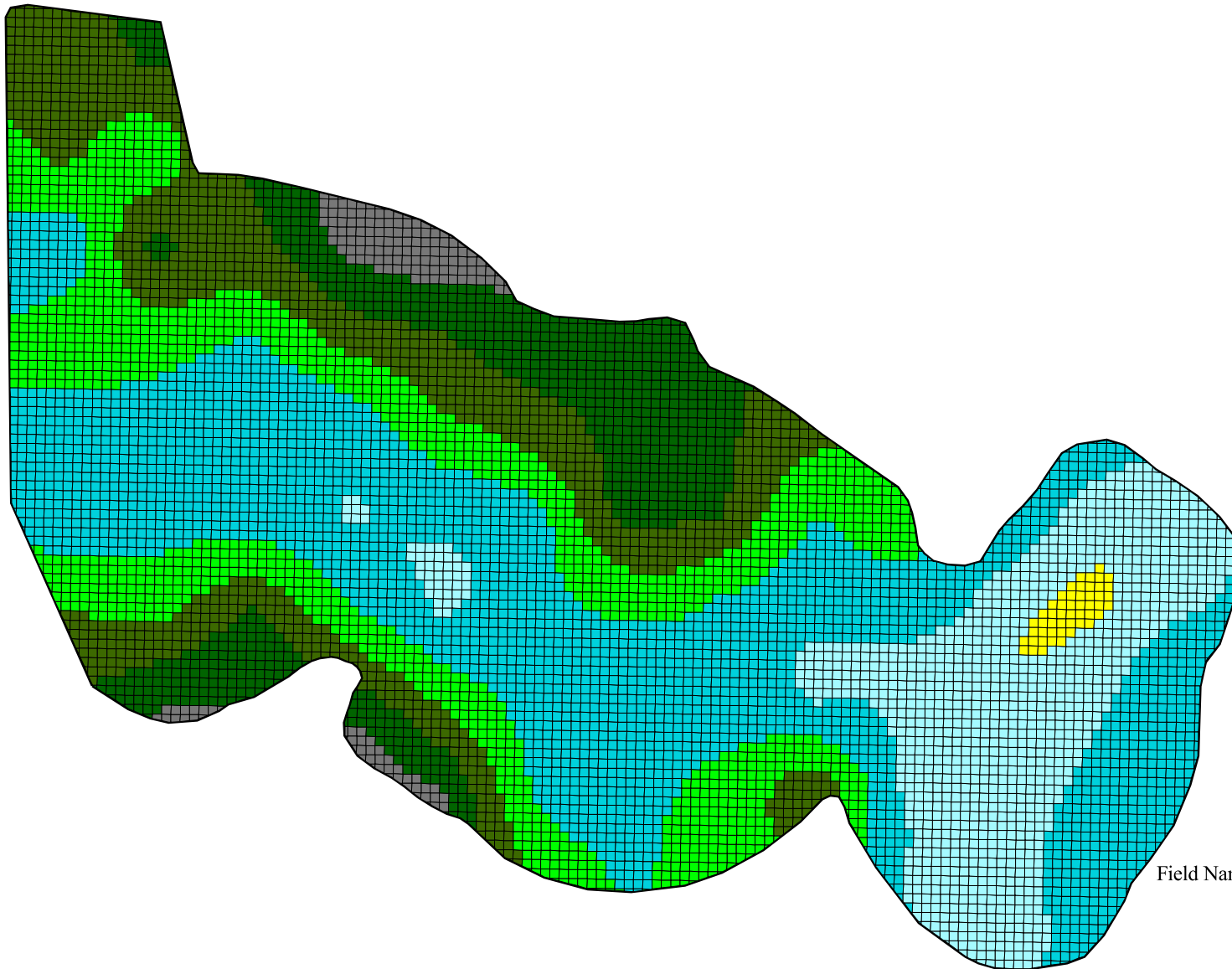
Date: Jan 12, 2021
Field Name: Manini Holdings_Paardeplaats,Paardeplaats; 21
Farm Name: Paardeplaats Chemie
Client Name: Manini Holdings
Total Hectares: 70.45
Field Boundary Start Location:
Latitude: -24.90452096
Longitude: 29.31603629
No. of Observations: 7334
Minimum P_bray1: 0
Maximum P_bray1: 114
Average P_bray1: 22

Manini Holdings_Paardeplaats,Paardeplaats; 21 (70.45 ha.) - Analysis: Ca(mg/kg)



Technovation

Specialized to succeed



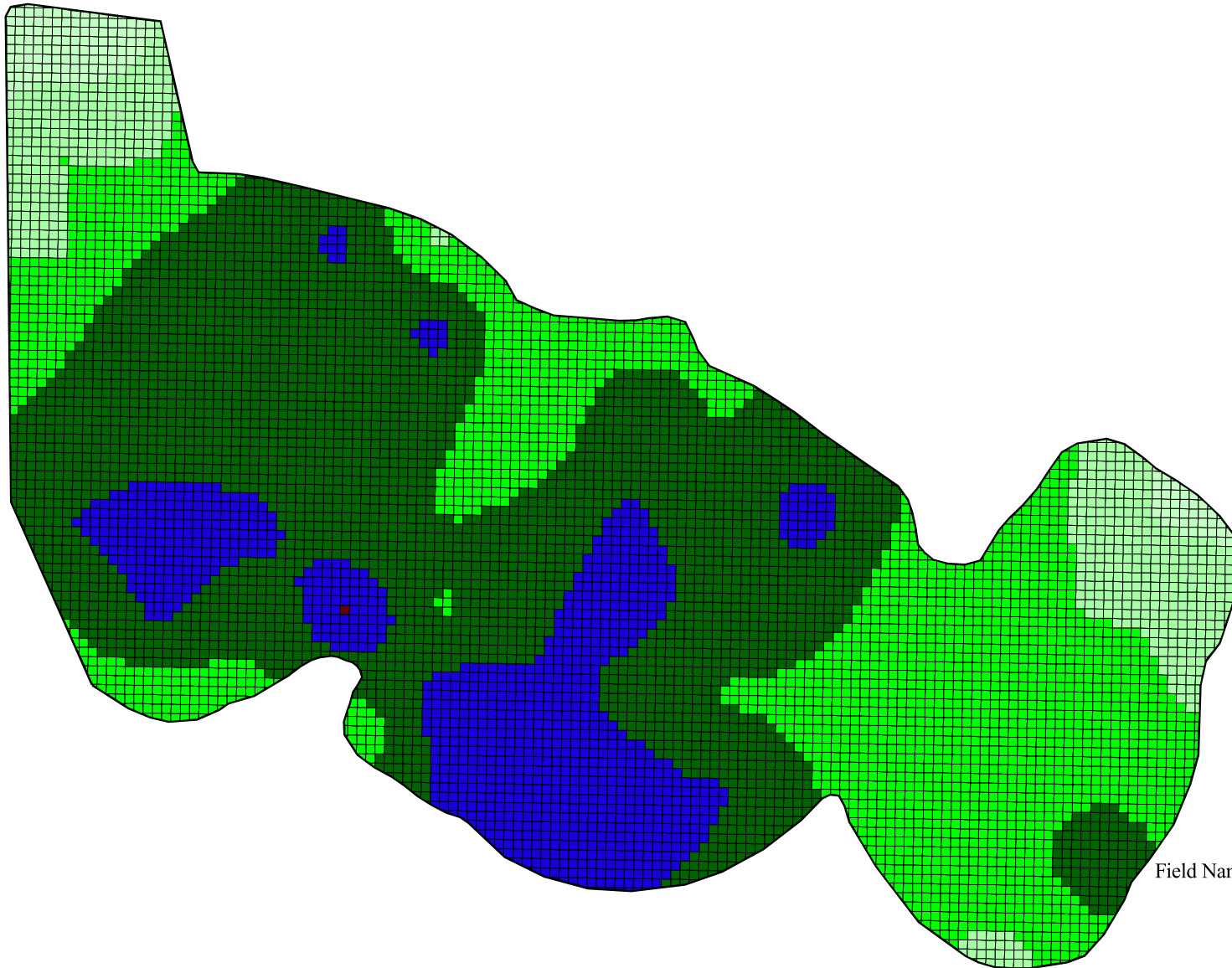
Date: Jan 12, 2021
Field Name: Manini Holdings_Paardeplaats,Paardeplaats; 21
Farm Name: Paardeplaats Chemie
Client Name: Manini Holdings
Total Hectares: 70.45
Field Boundary Start Location:
Latitude: -24.90452096
Longitude: 29.31603629
No. of Observations: 7334
Minimum Ca: 532
Maximum Ca: 5809
Average Ca: 2282

Manini Holdings_Paardeplaats,Paardeplaats; 21 (70.45 ha.) - Analysis: Mg(mg/kg)



Technovation

Specialized to succeed



Analysis: Mg		
0 - 50	(0.0 ha. - 0.0%)	
50 - 75	(0.0 ha. - 0.0%)	
75 - 100	(0.0 ha. - 0.0%)	
100 - 150	(1.5 ha. - 2.1%)	
150 - 200	(5.6 ha. - 7.9%)	
200 - 400	(21.9 ha. - 30.9%)	
400 - 600	(31.4 ha. - 44.4%)	
600 - 800	(10.4 ha. - 14.7%)	
800 - 1000	(0.0 ha. - 0.0%)	
1000 - 1300	(0.0 ha. - 0.0%)	
1300 - 1600	(0.0 ha. - 0.0%)	
> 1600	(0.0 ha. - 0.0%)	
(70.5ha.)	Field Boundary	

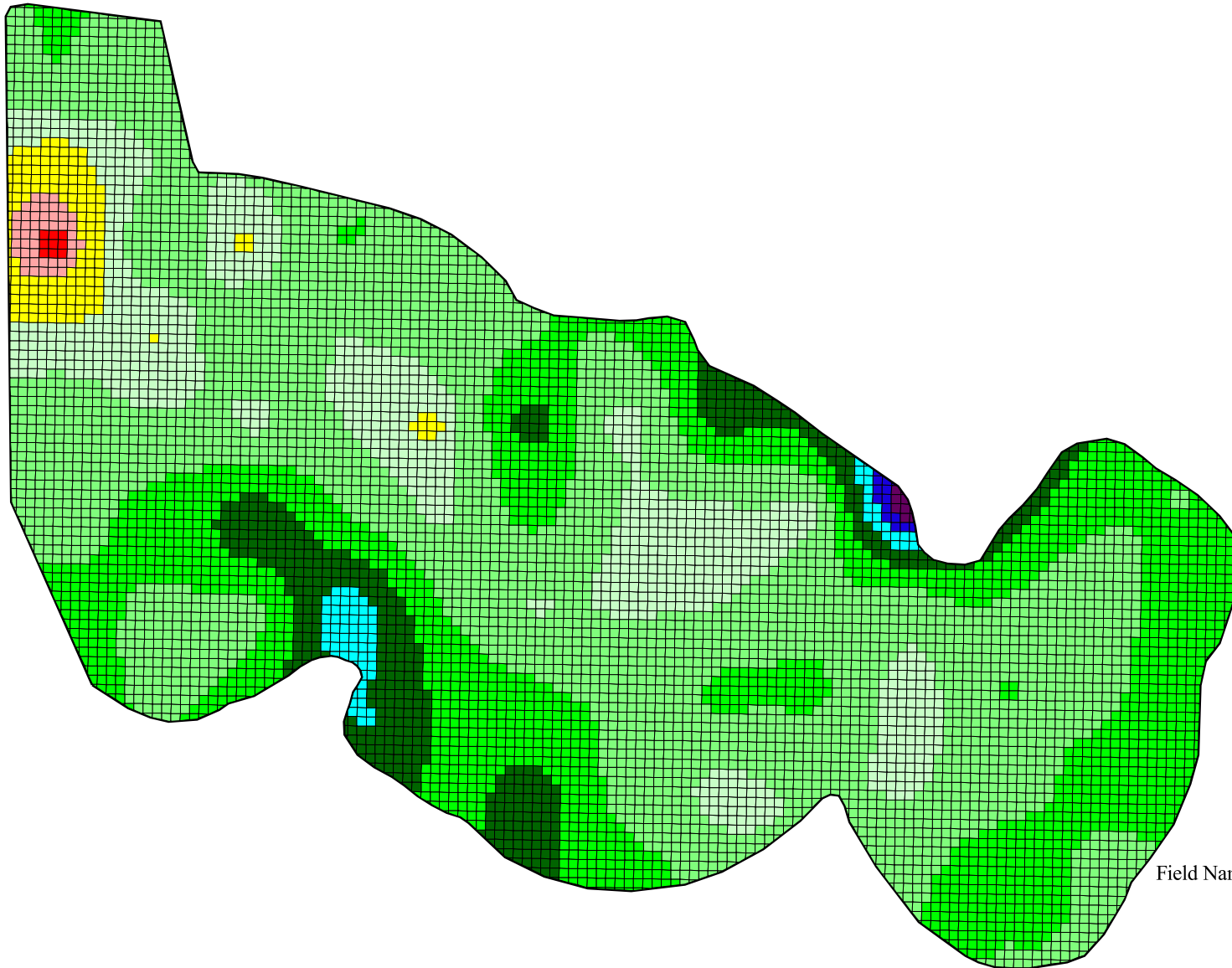
Date: Jan 12, 2021
Field Name: Manini Holdings_Paardeplaats,Paardeplaats; 21
Farm Name: Paardeplaats Chemic
Client Name: Manini Holdings
Total Hectares: 70.45
Field Boundary Start Location:
Latitude: -24.90452096
Longitude: 29.31603629
No. of Observations: 7334
Minimum Mg: 119
Maximum Mg: 803
Average Mg: 425

Manini Holdings_Paardeplaats,Paardeplaats; 21 (70.45 ha.) - Analysis: K(mg/kg)



Technovation

Specialized to succeed



Analysis: K	
0 - 25	(0.0 ha. - 0.0%)
25 - 50	(0.0 ha. - 0.0%)
50 - 75	(0.1 ha. - 0.1%)
75 - 100	(0.5 ha. - 0.7%)
100 - 150	(1.5 ha. - 2.1%)
150 - 200	(9.3 ha. - 13.2%)
200 - 300	(34.8 ha. - 49.2%)
300 - 400	(19.1 ha. - 27.0%)
400 - 500	(4.6 ha. - 6.5%)
500 - 600	(0.7 ha. - 1.1%)
600 - 700	(0.1 ha. - 0.2%)
> 700	(0.1 ha. - 0.1%)
□ (70.5ha.)Field Boundary	

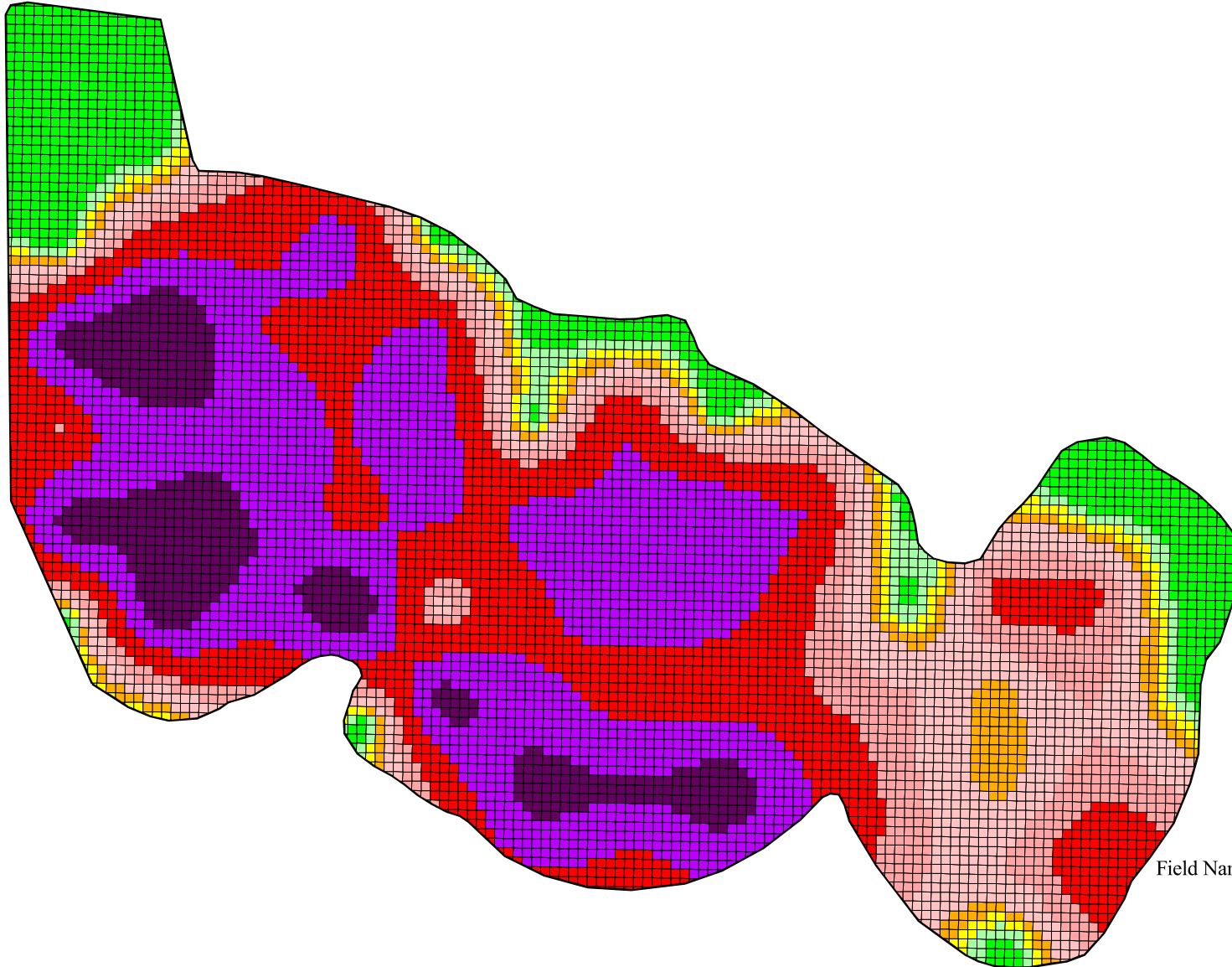
Date: Jan 12, 2021
Field Name: Manini Holdings_Paardeplaats,Paardeplaats; 21
Farm Name: Paardeplaats Chemie
Client Name: Manini Holdings
Total Hectares: 70.45
Field Boundary Start Location:
Latitude: -24.90452096
Longitude: 29.31603629
No. of Observations: 7334
Minimum K: 62
Maximum K: 779
Average K: 280

Manini Holdings_Paardeplaats,Paardeplaats; 21 (70.45 ha.) - Analysis: Na(mg/kg)



Technovation

Specialized to succeed



Analysis: Na	
0 - 20	(6.9 ha. - 9.8%)
20 - 30	(2.0 ha. - 2.8%)
30 - 40	(1.8 ha. - 2.5%)
40 - 50	(2.6 ha. - 3.6%)
50 - 75	(7.9 ha. - 11.2%)
75 - 100	(7.2 ha. - 10.1%)
100 - 150	(17.0 ha. - 24.1%)
150 - 200	(19.7 ha. - 27.9%)
200 - 300	(5.6 ha. - 7.9%)
300 - 400	(0.0 ha. - 0.0%)
400 - 500	(0.0 ha. - 0.0%)
> 500	(0.0 ha. - 0.0%)
(70.5ha.)	Field Boundary

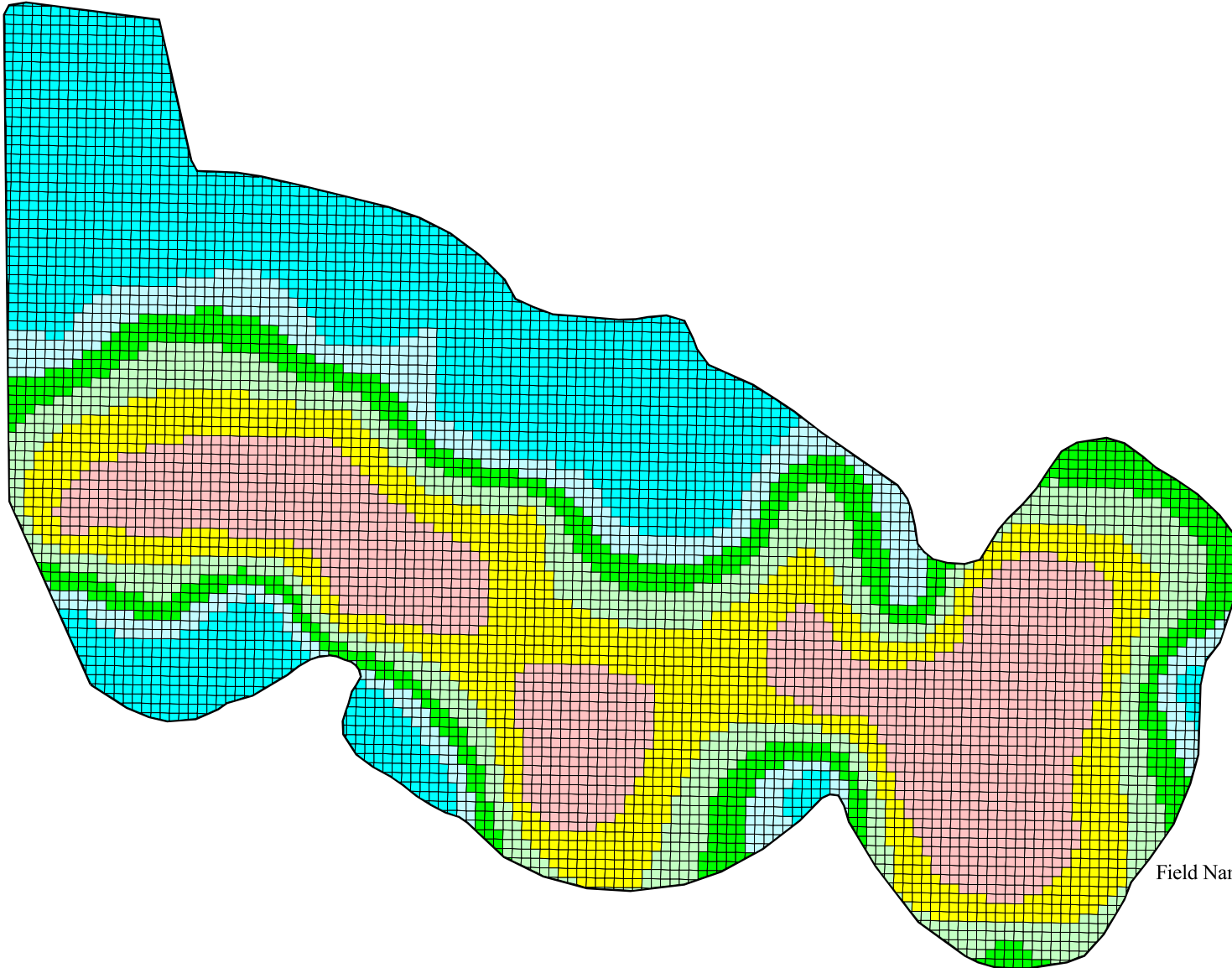
Date: Jan 12, 2021
Field Name: Manini Holdings_Paardeplaats,Paardeplaats; 21
Farm Name: Paardeplaats Chemic
Client Name: Manini Holdings
Total Hectares: 70.45
Field Boundary Start Location:
Latitude: -24.90452096
Longitude: 29.31603629
No. of Observations: 7334
Minimum Na: 0
Maximum Na: 279
Average Na: 114

Manini Holdings_Paardeplaats,Paardeplaats; 21 (70.45 ha.) - Analysis: Ca%



Technovation

Specialized to succeed



Analysis: Ca_perc	
0 - 40	(0.0 ha. - 0.0%)
40 - 55	(14.6 ha. - 20.7%)
55 - 60	(13.4 ha. - 19.0%)
60 - 65	(10.1 ha. - 14.2%)
65 - 70	(7.5 ha. - 10.6%)
70 - 75	(5.8 ha. - 8.2%)
> 75	(19.3 ha. - 27.3%)
	(70.5ha.)Field Boundary

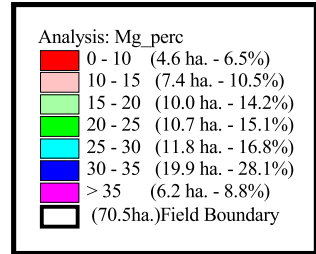
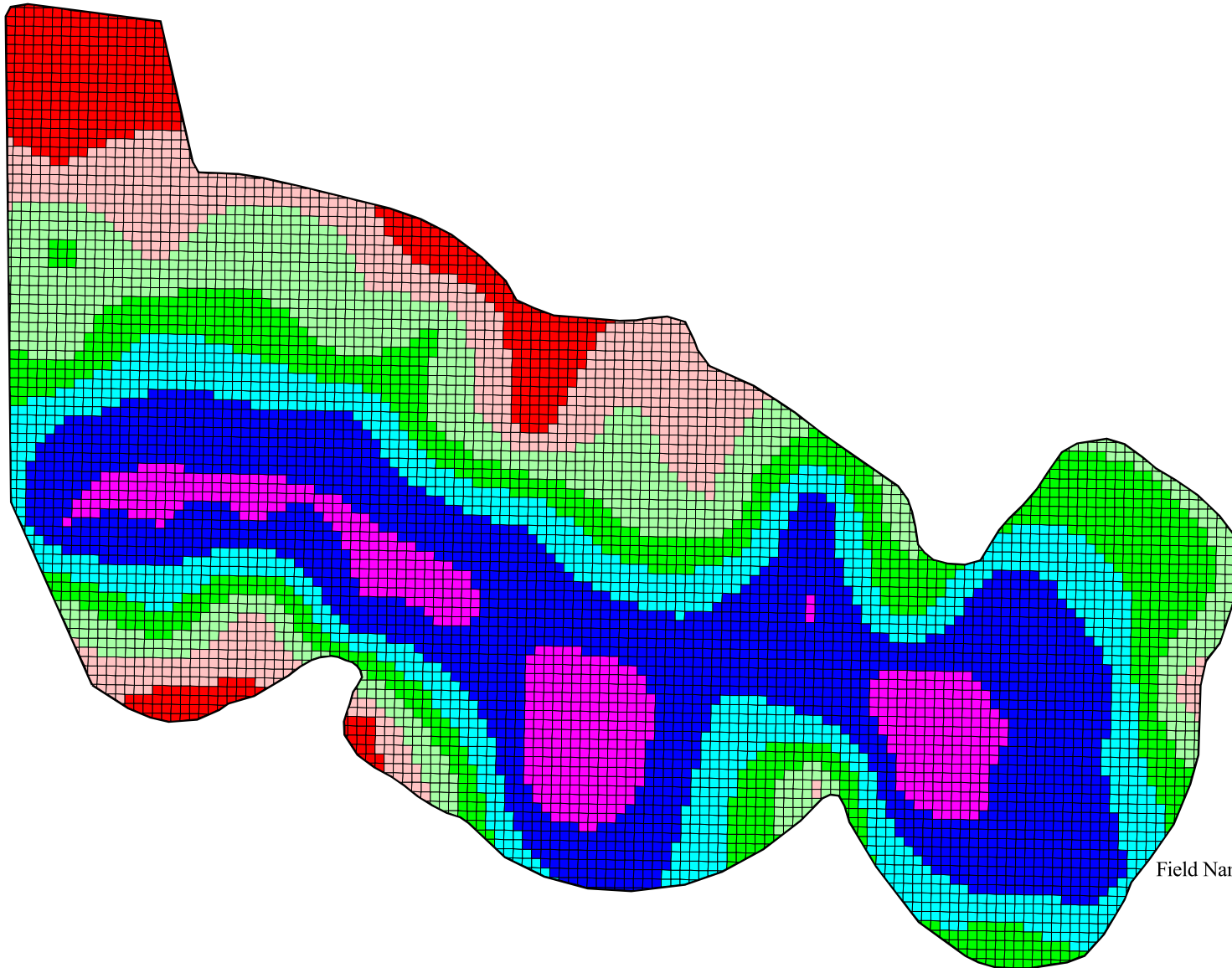
Date: Jan 12, 2021
Field Name: Manini Holdings_Paardeplaats,Paardeplaats; 21
Farm Name: Paardeplaats Chemie
Client Name: Manini Holdings
Total Hectares: 70.45
Field Boundary Start Location:
Latitude: -24.90452096
Longitude: 29.31603629
No. of Observations: 7334
Minimum Ca_perc: 48
Maximum Ca_perc: 93
Average Ca_perc: 67

Manini Holdings_Paardeplaats,Paardeplaats; 21 (70.45 ha.) - Analysis: Mg%



Technovation

Specialized to succeed



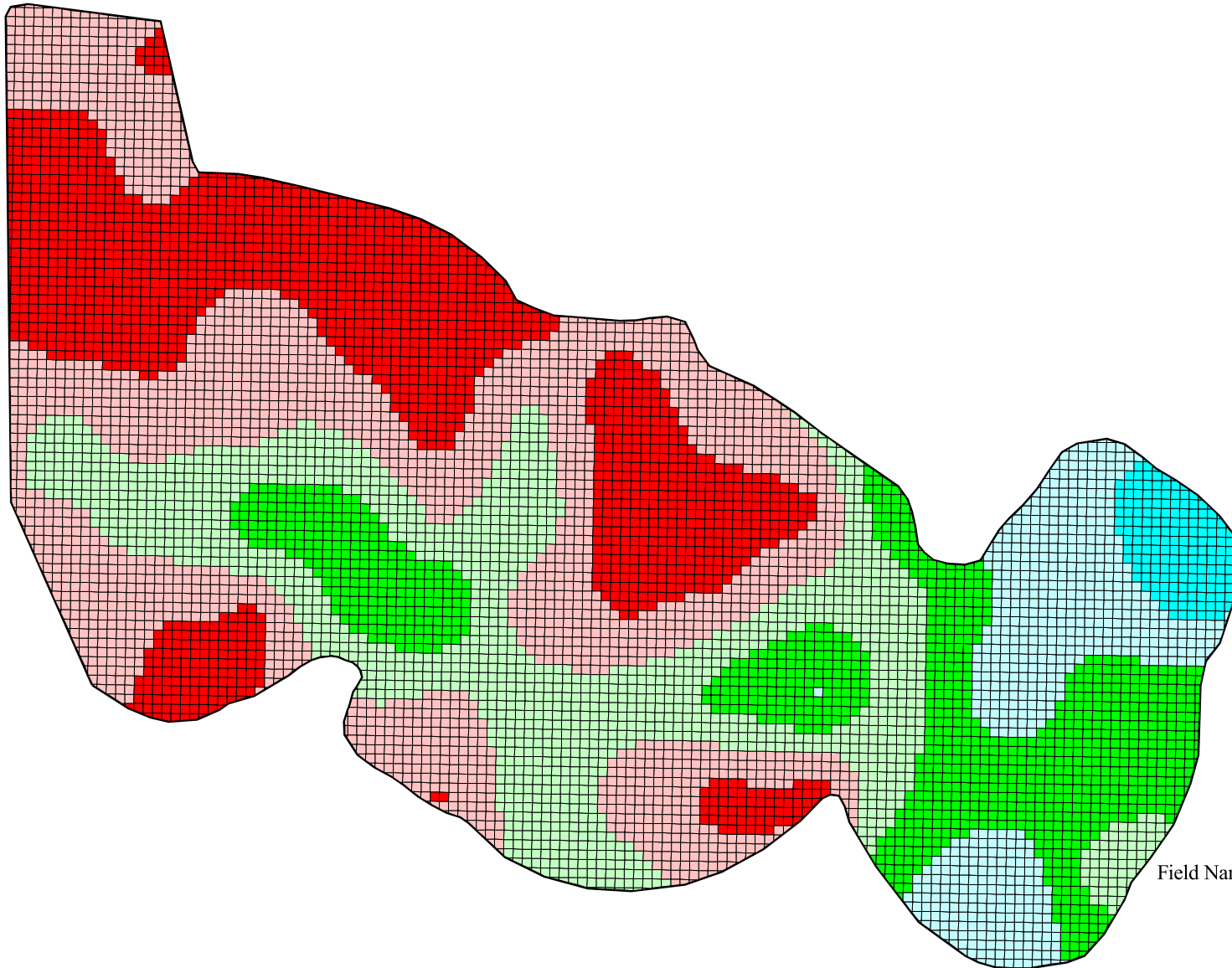
Date: Jan 12, 2021
Field Name: Manini Holdings_Paardeplaats,Paardeplaats; 21
Farm Name: Paardeplaats Chemic
Client Name: Manini Holdings
Total Hectares: 70.45
Field Boundary Start Location:
Latitude: -24.90452096
Longitude: 29.31603629
No. of Observations: 7334
Minimum Mg_perc: 5
Maximum Mg_perc: 39
Average Mg_perc: 24

Manini Holdings_Paardeplaats,Paardeplaats; 21 (70.45 ha.) - Analysis: K%



Technovation

Specialized to succeed



Analysis: K_perc	
0 - 3	(16.3 ha. - 23.0%)
3 - 5	(20.8 ha. - 29.4%)
5 - 7	(15.1 ha. - 21.4%)
7 - 10	(10.8 ha. - 15.3%)
10 - 13	(6.1 ha. - 8.6%)
13 - 18	(1.6 ha. - 2.3%)
18 - 30	(0.0 ha. - 0.0%)
> 30	(0.0 ha. - 0.0%)
(70.5ha.)	Field Boundary

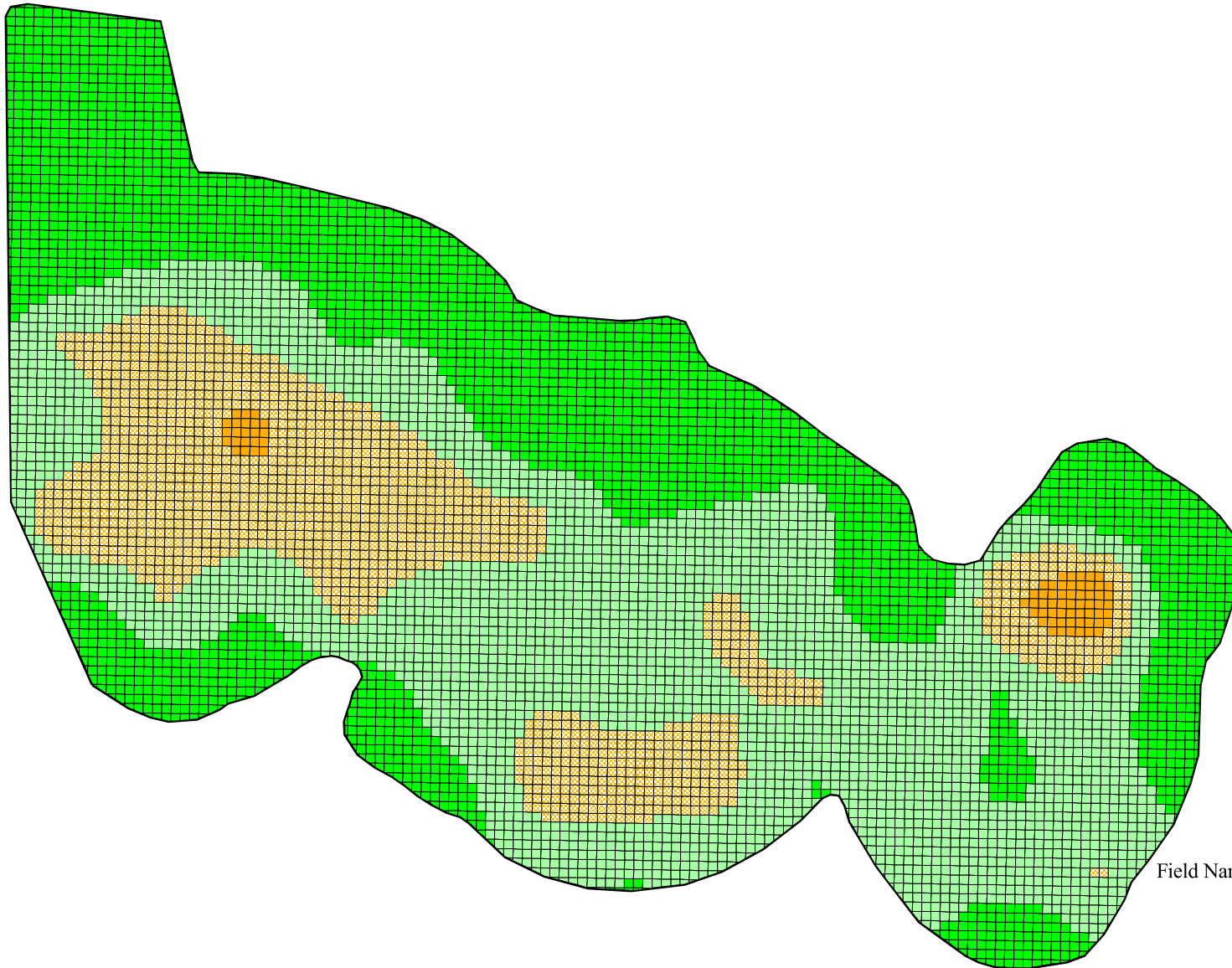
Date: Jan 12, 2021
Field Name: Manini Holdings_Paardeplaats,Paardeplaats; 21
Farm Name: Paardeplaats Chemie
Client Name: Manini Holdings
Total Hectares: 70.45
Field Boundary Start Location:
Latitude: -24.90452096
Longitude: 29.31603629
No. of Observations: 7334
Minimum K_perc: 1
Maximum K_perc: 15
Average K_perc: 6

Manini Holdings_Paardeplaats,Paaardeplaats; 21 (70.45 ha.) - Analysis: Na%



Technovation

Specialized to succeed



Analysis: Na_perc	
0 - 3	(25.4 ha. - 36.0%)
3 - 5	(29.8 ha. - 42.1%)
5 - 7	(14.7 ha. - 20.8%)
7 - 10	(0.8 ha. - 1.1%)
> 10	(0.0 ha. - 0.0%)
(70.5ha.)	Field Boundary

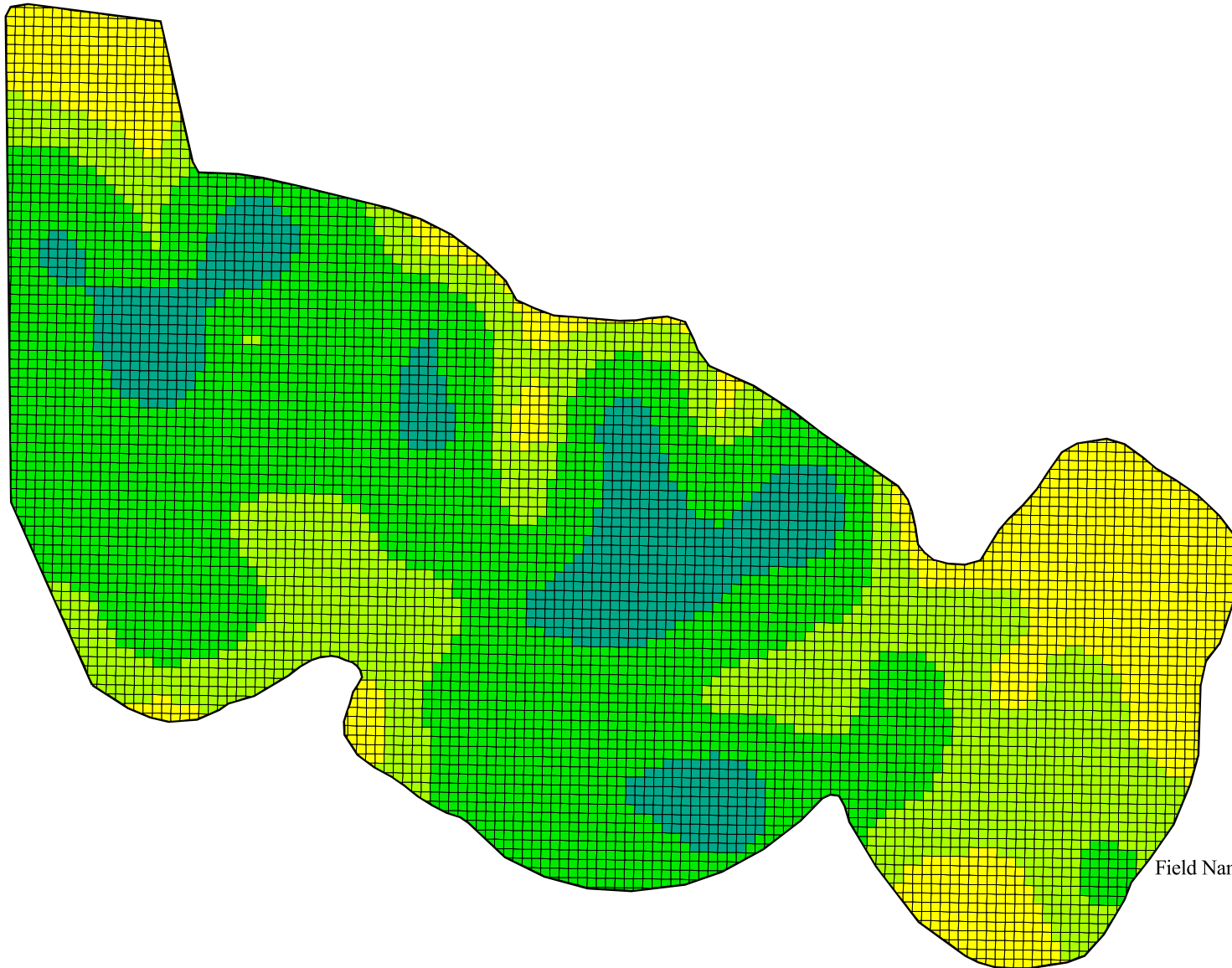
Date: Jan 12, 2021
Field Name: Manini Holdings_Paardeplaats,Paaardeplaats; 21
Farm Name: Paardeplaats Chemie
Client Name: Manini Holdings
Total Hectares: 70.45
Field Boundary Start Location:
Latitude: -24.90452096
Longitude: 29.31603629
No. of Observations: 7334
Minimum Na_perc: 0
Maximum Na_perc: 9
Average Na_perc: 3

Manini Holdings_Paardeplaats,Paardeplaats; 21 (70.45 ha.) - Analysis: Mg:K



Technovation

Specialized to succeed



Analysis: Mg_k	
0 - 3.1	(10.6 ha. - 15.0%)
3.1 - 5.1	(18.2 ha. - 25.7%)
5.1 - 8.9	(33.1 ha. - 46.8%)
8.9 - 14.6	(8.8 ha. - 12.5%)
> 14.6	(0.0 ha. - 0.0%)
□ (70.5ha.)Field Boundary	

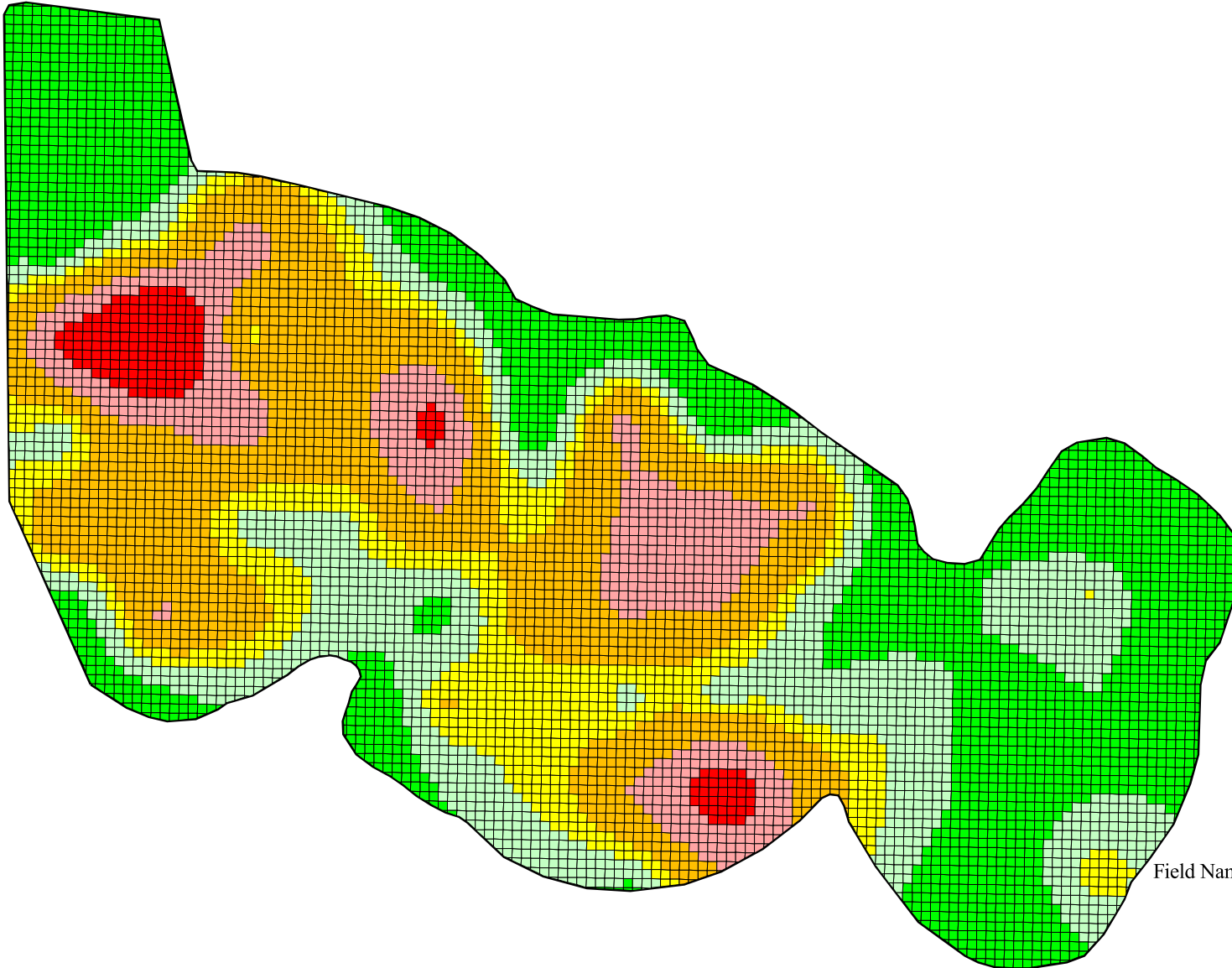
Date: Jan 12, 2021
Field Name: Manini Holdings_Paardeplaats,Paardeplaats; 21
Farm Name: Paardeplaats Chemie
Client Name: Manini Holdings
Total Hectares: 70.45
Field Boundary Start Location:
Latitude: -24.90452096
Longitude: 29.31603629
No. of Observations: 7334
Minimum Mg_k: 1.1
Maximum Mg_k: 13.2
Average Mg_k: 5.7

Manini Holdings_Paardeplaats,Paardeplaats; 21 (70.45 ha.) - Analysis: Na:K



Technovation

Specialized to succeed



Analysis: Nak	
0 - 0.5	(20.8 ha. - 29.4%)
0.5 - 0.8	(13.9 ha. - 19.6%)
0.8 - 1	(9.5 ha. - 13.4%)
1 - 1.5	(17.6 ha. - 24.8%)
1.5 - 2	(7.1 ha. - 10.0%)
> 2	(1.9 ha. - 2.7%)
(70.5ha.)	Field Boundary

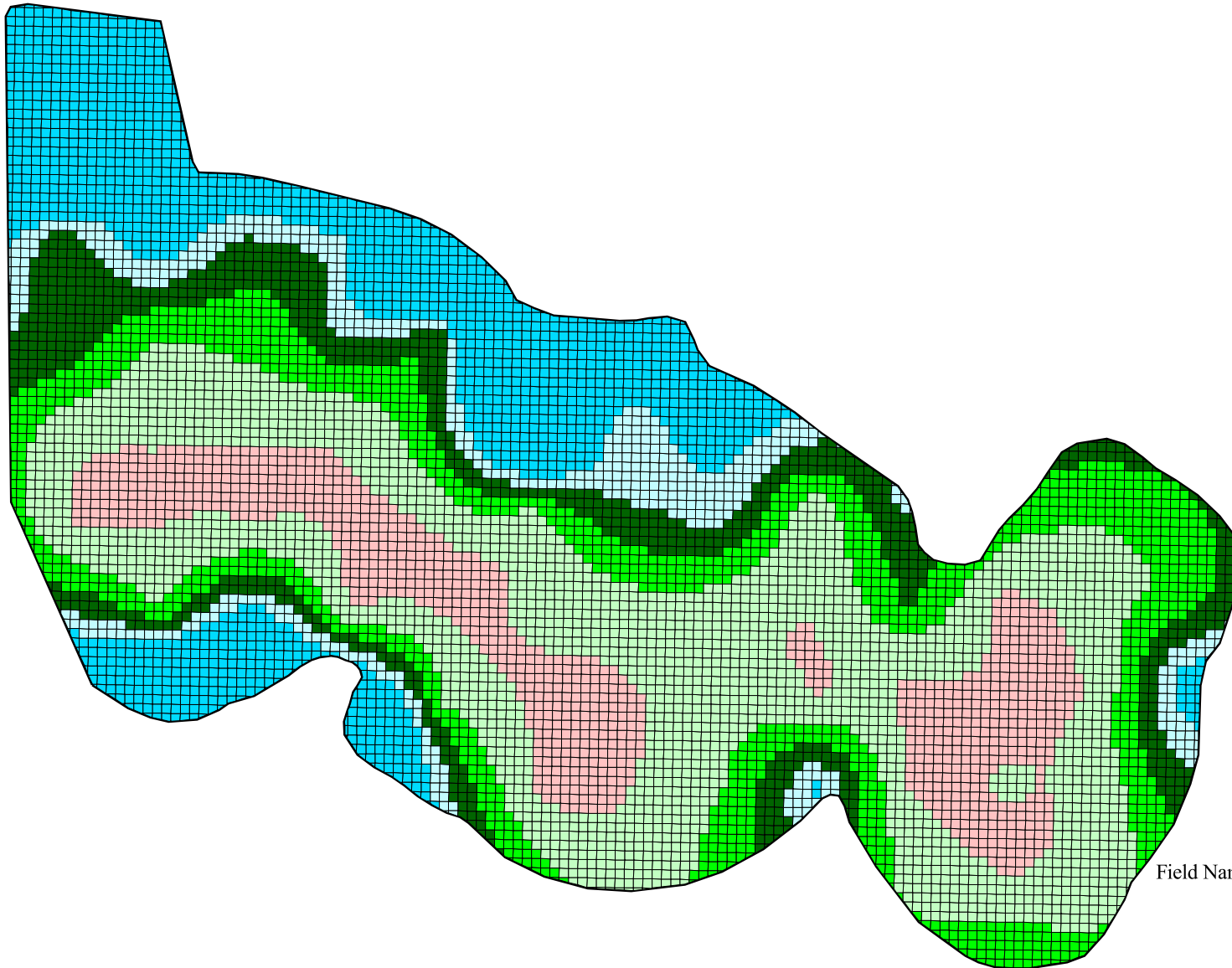
Date: Jan 12, 2021
Field Name: Manini Holdings_Paardeplaats,Paardeplaats; 21
Farm Name: Paardeplaats Chemie
Client Name: Manini Holdings
Total Hectares: 70.45
Field Boundary Start Location:
Latitude: -24.90452096
Longitude: 29.31603629
No. of Observations: 7334
Minimum Nak: 0.0
Maximum Nak: 3.3
Average Nak: 0.8

Manini Holdings_Paardeplaats,Paardeplaats; 21 (70.45 ha.) - Analysis: Ca:Mg



Technovation

Specialized to succeed



Analysis: Ca_mg	
0 - 1	(0.0 ha. - 0.0%)
1 - 1.5	(9.8 ha. - 13.9%)
1.5 - 2.5	(22.3 ha. - 31.5%)
2.5 - 3.5	(11.6 ha. - 16.4%)
3.5 - 4.5	(7.8 ha. - 11.1%)
4.5 - 5.5	(4.9 ha. - 6.9%)
> 5.5	(14.3 ha. - 20.3%)
	(70.5ha.)Field Boundary

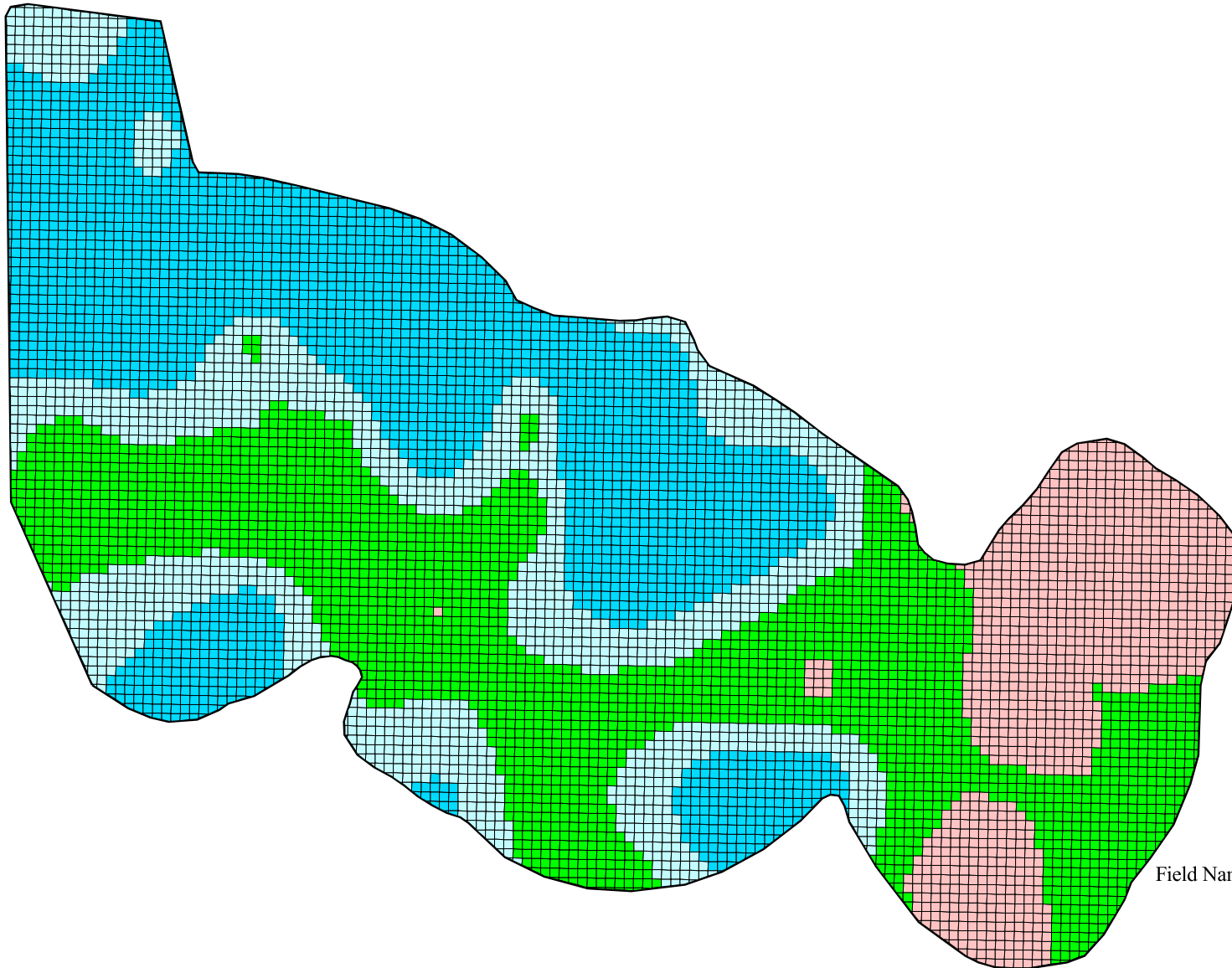
Date: Jan 12, 2021
Field Name: Manini Holdings_Paardeplaats,Paardeplaats; 21
Farm Name: Paardeplaats Chemie
Client Name: Manini Holdings
Total Hectares: 70.45
Field Boundary Start Location:
Latitude: -24.90452096
Longitude: 29.31603629
No. of Observations: 7334
Minimum Ca_mg: 1
Maximum Ca_mg: 20
Average Ca_mg: 4

Manini Holdings_Paardeplaats,Paardeplaats; 21 (70.45 ha.) - Analysis: (Ca+Mg)/K



Technovation

Specialized to succeed



Analysis: Ca_mg_k	
0 - 5	(0.0 ha. - 0.0%)
5 - 10	(9.6 ha. - 13.6%)
10 - 20	(23.2 ha. - 32.9%)
20 - 30	(14.0 ha. - 19.8%)
>30	(23.9 ha. - 33.8%)
	(70.5ha.)Field Boundary

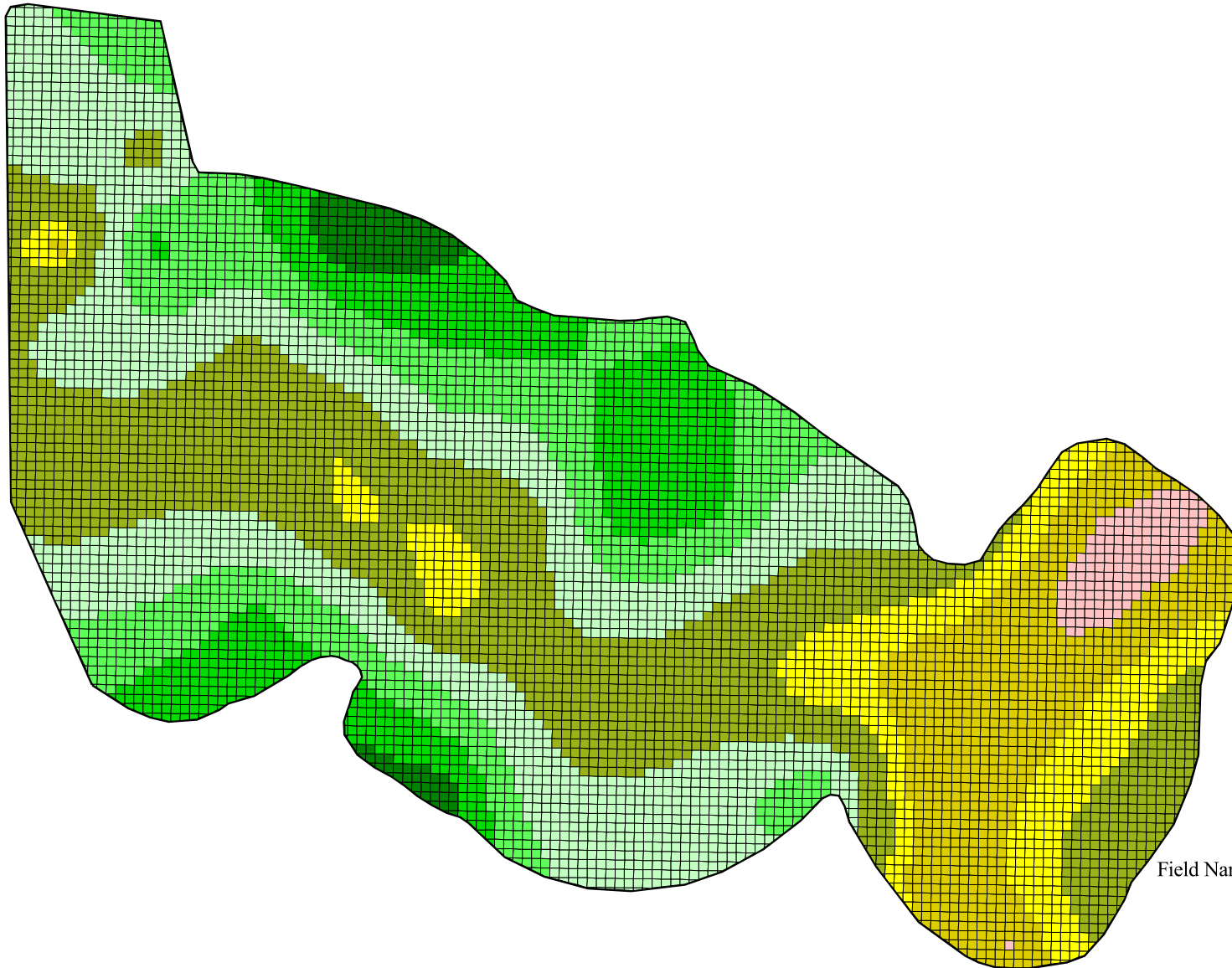
Date: Jan 12, 2021
Field Name: Manini Holdings_Paardeplaats,Paardeplaats; 21
Farm Name: Paardeplaats Chemie
Client Name: Manini Holdings
Total Hectares: 70.45
Field Boundary Start Location:
Latitude: -24.90452096
Longitude: 29.31603629
No. of Observations: 7334
Minimum Ca_mg_k: 6
Maximum Ca_mg_k: 67
Average Ca_mg_k: 24

Manini Holdings_Paardeplaats,Paardeplaats; 21 (70.45 ha.) - Analysis: CEC(cmol[+]/kg)



Technovation

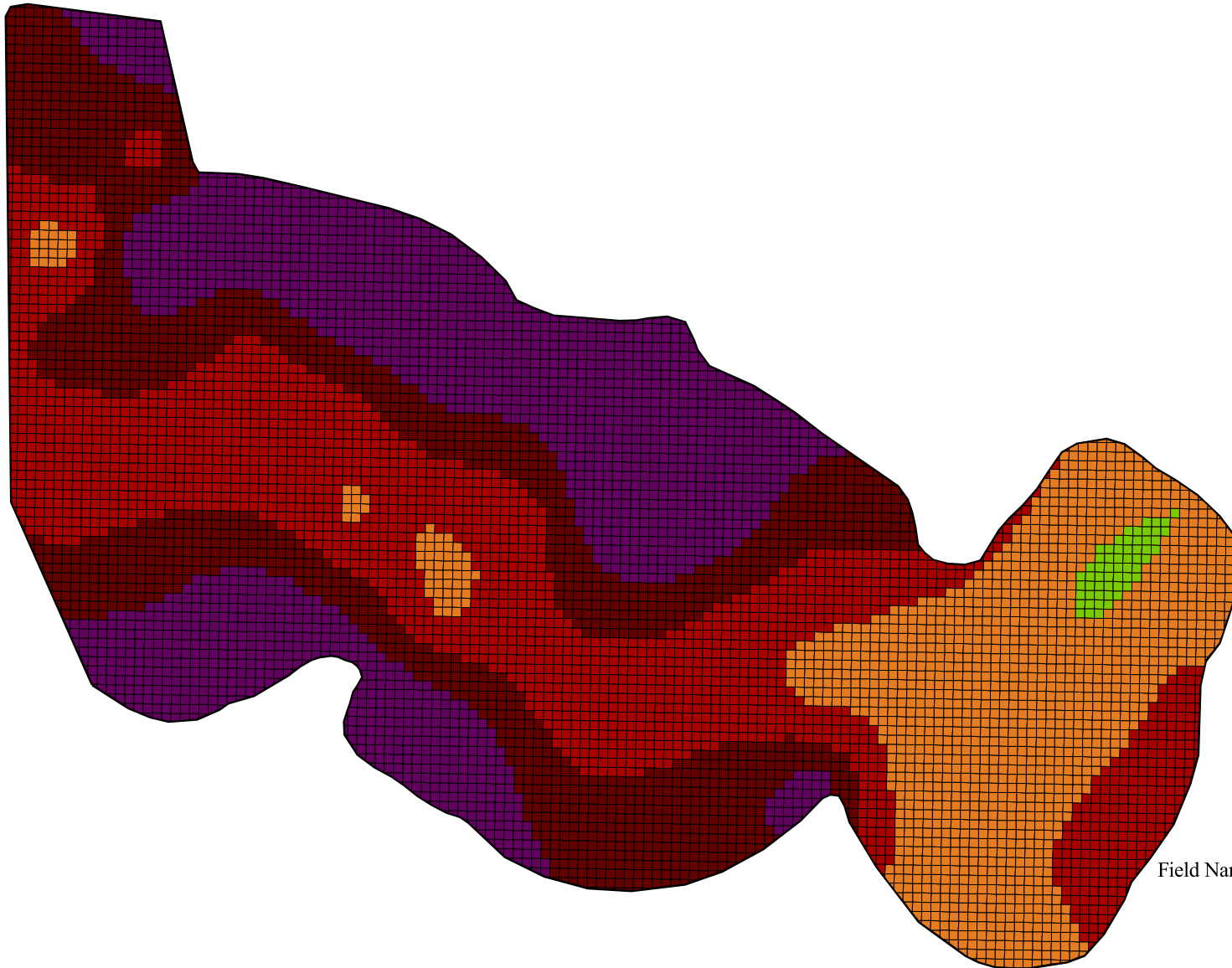
Specialized to succeed



Analysis: CEC	
0 - 0.5	(0.0 ha. - 0.0%)
0.5 - 1	(0.0 ha. - 0.0%)
1 - 2	(0.0 ha. - 0.0%)
2 - 3	(0.0 ha. - 0.0%)
3 - 4	(0.0 ha. - 0.0%)
4 - 6	(1.4 ha. - 1.9%)
6 - 8	(8.0 ha. - 11.3%)
8 - 10	(5.8 ha. - 8.2%)
10 - 15	(19.3 ha. - 27.2%)
15 - 20	(16.8 ha. - 23.8%)
20 - 25	(10.7 ha. - 15.2%)
25 - 30	(7.4 ha. - 10.5%)
30 - 40	(1.3 ha. - 1.9%)
40 - 50	(0.0 ha. - 0.0%)
>50	(0.0 ha. - 0.0%)
[Black outline] (70.5ha.)Field Boundary	

Date: Jan 12, 2021
Field Name: Manini Holdings_Paardeplaats,Paardeplaats; 21
Farm Name: Paardeplaats Chemie
Client Name: Manini Holdings
Total Hectares: 70.45
Field Boundary Start Location:
Latitude: -24.90452096
Longitude: 29.31603629
No. of Observations: 7334
Minimum CEC: 5.1
Maximum CEC: 33.3
Average CEC: 16.1

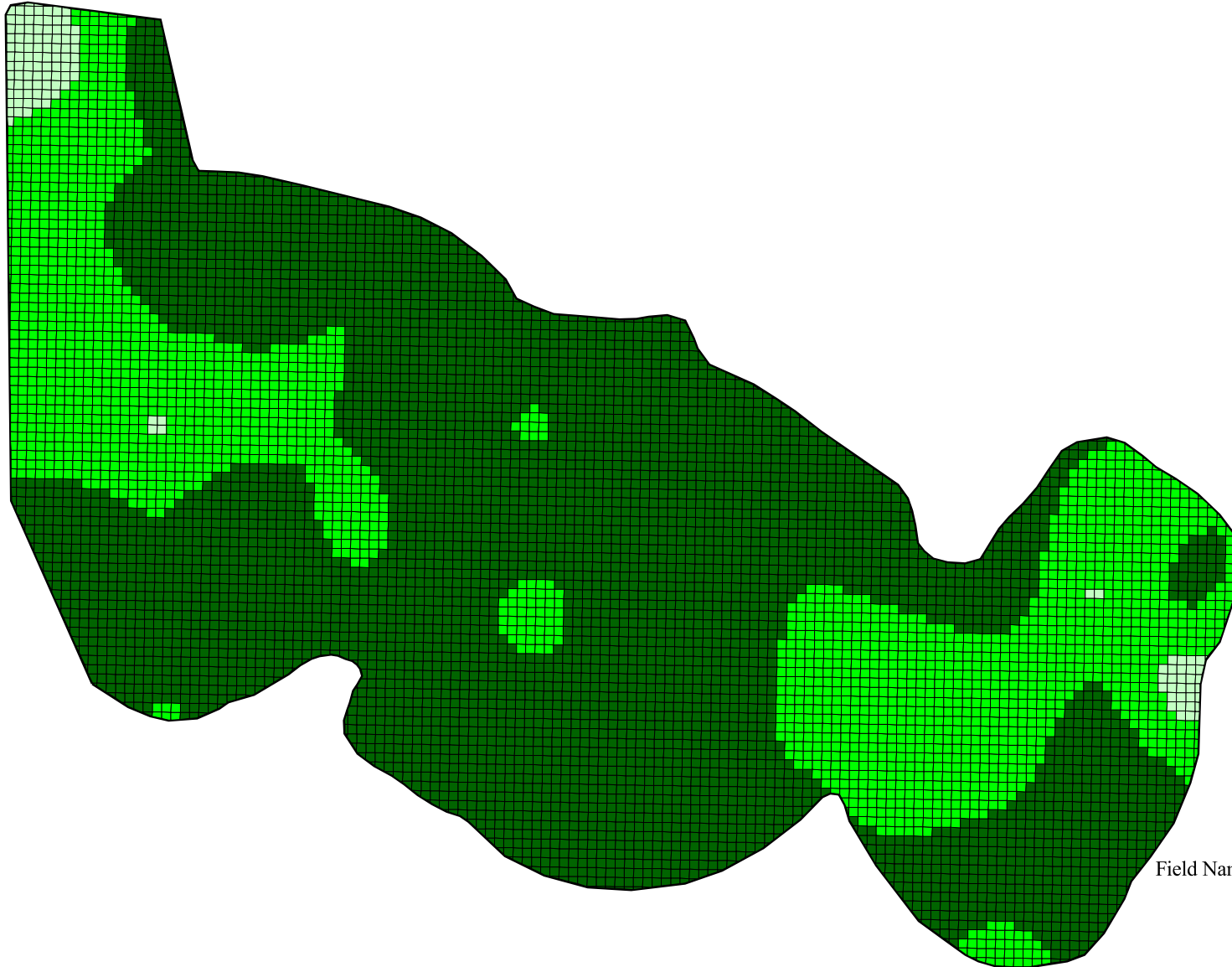
Manini Holdings_Paardeplaats,Paardeplaats; 21 (70.45 ha.) - Analysis: S-Value(cmol[+]/kg)



Analysis: S-Value		
0 - 3.2	(0.0 ha. - 0.0%)	
3.2 - 5.6	(0.5 ha. - 0.7%)	
5.6 - 9.8	(14.0 ha. - 19.7%)	
9.8 - 15	(20.0 ha. - 28.3%)	
15 - 20.1	(17.1 ha. - 24.2%)	
>20.1	(19.2 ha. - 27.1%)	
	(70.5ha.)Field Boundary	

Date: Jan 12, 2021
Field Name: Manini Holdings_Paardeplaats,Paardeplaats; 21
Farm Name: Paardeplaats Chemie
Client Name: Manini Holdings
Total Hectares: 70.45
Field Boundary Start Location:
Latitude: -24.90452096
Longitude: 29.31603629
No. of Observations: 7334
Minimum S-Value: 5.1
Maximum S-Value: 33.3
Average S-Value: 16.1

Manini Holdings_Paardeplaats,Paardeplaats; 21 (70.45 ha.) - Analysis: Density(g/cm³)



Analysis: Density		
0 - 1.1	(31.4 ha. - 44.4%)	
1.1 - 1.2	(28.7 ha. - 40.6%)	
1.2 - 1.3	(10.6 ha. - 15.0%)	
1.3 - 1.4	(0.0 ha. - 0.0%)	
> 1.4	(0.0 ha. - 0.0%)	
(70.5ha.)	Field Boundary	

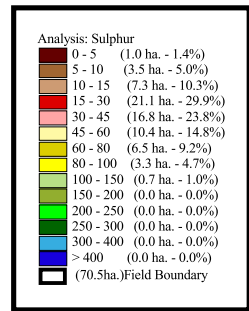
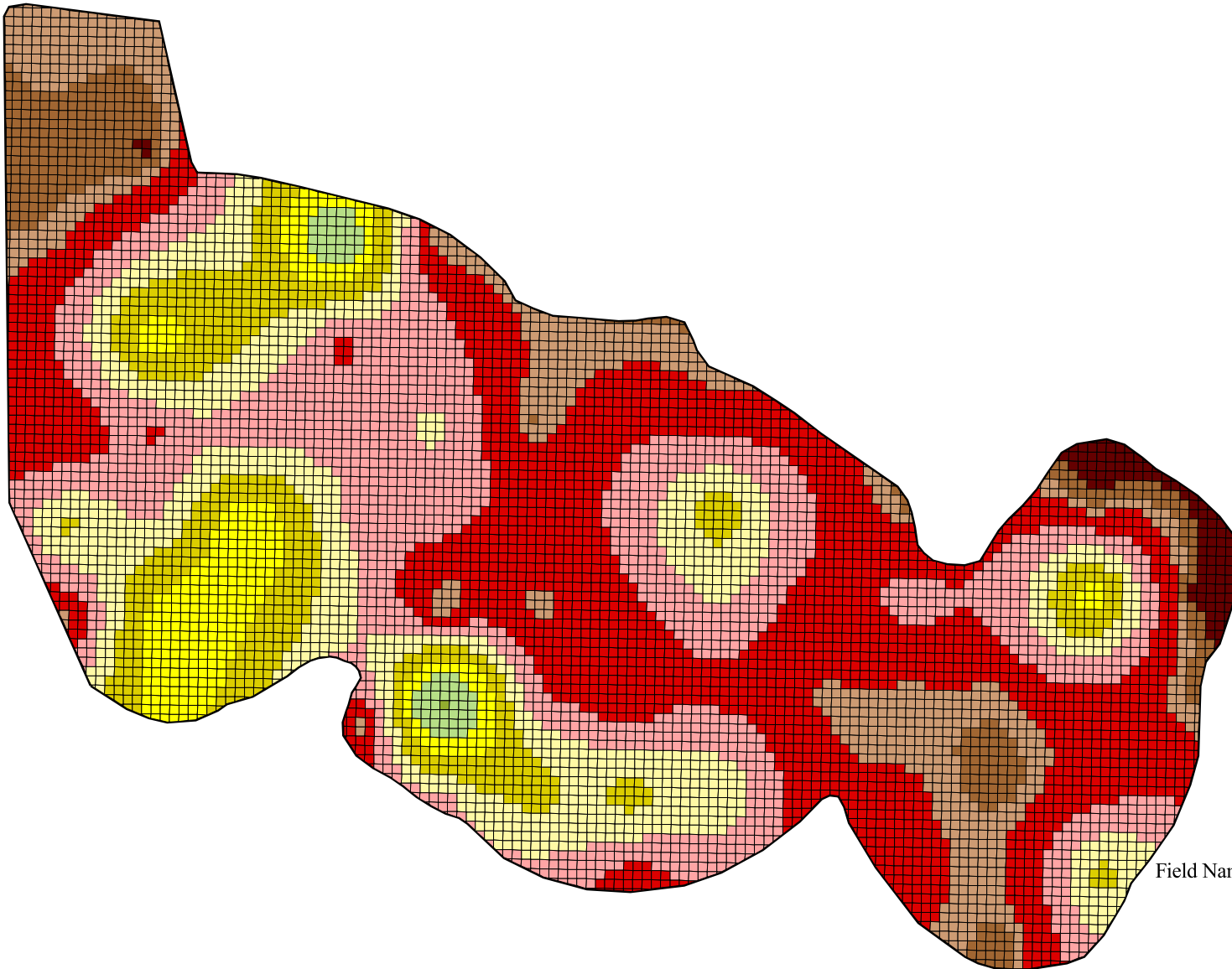
Date: Jan 12, 2021
Field Name: Manini Holdings_Paardeplaats,Paardeplaats; 21
Farm Name: Paardeplaats Chemie
Client Name: Manini Holdings
Total Hectares: 70.45
Field Boundary Start Location:
Latitude: -24.90452096
Longitude: 29.31603629
No. of Observations: 7334
Minimum Density: 0.9
Maximum Density: 1.3
Average Density: 1.1

Manini Holdings_Paardeplaats,Paardeplaats; 21 (70.45 ha.) - Analysis: Sulphur(mg/kg)



Technovation

Specialized to succeed



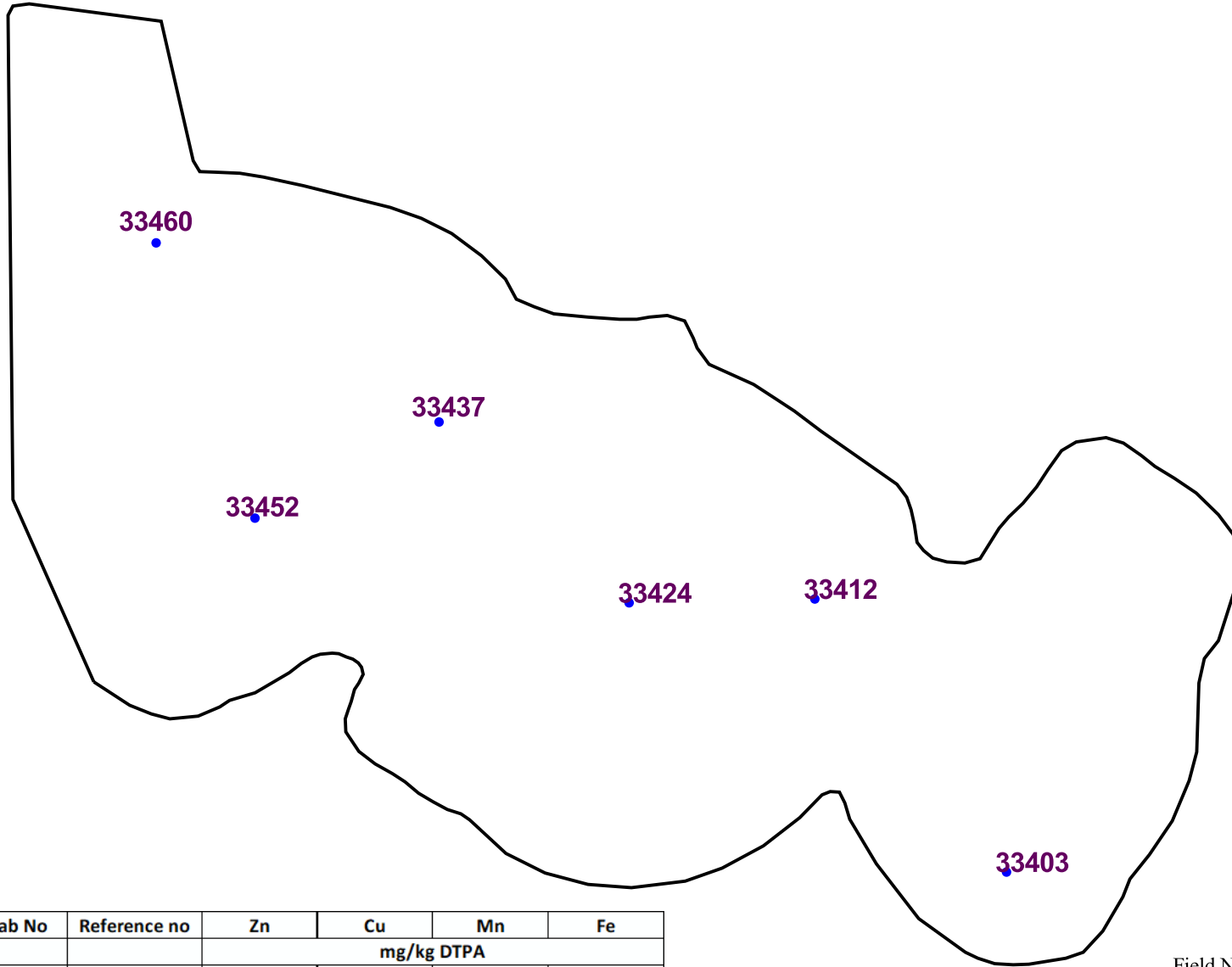
Date: Jan 12, 2021
Field Name: Manini Holdings_Paardeplaats,Paardeplaats; 21
Farm Name: Paardeplaats Chemie
Client Name: Manini Holdings
Total Hectares: 70.45
Field Boundary Start Location:
Latitude: -24.90452096
Longitude: 29.31603629
No. of Observations: 7334
Minimum Sulphur: 0
Maximum Sulphur: 153
Average Sulphur: 36

Manini Holdings_Paardeplaats,Paardeplaats; 21 (70.45 ha.) - Micro-elements



Technovation

Specialized to succeed



●	Soil Sampling Points
□	(70.5ha.)Field Boundary

Lab No	Reference no	Zn	Cu	Mn	Fe
mg/kg DTPA					
G25-10227	AT-VTDS33403	0.66	5.33	0.54	3.83
G25-10236	AT-VTDS33412	1.37	9.71	1.65	4.62
G25-10248	AT-VTDS33424	0.70	6.43	1.10	4.14
G25-10261	AT-VTDS33437	0.58	4.69	0.76	3.01
G25-10276	AT-VTDS33452	0.94	15.69	1.90	5.91
G25-10284	AT-VTDS33460	0.96	4.94	0.88	2.37

Date: Jan 12, 2021
 Field Name: Manini Holdings_Paardeplaats,Paardeplaats; 21
 Farm Name: Paardeplaats Chemie
 Client Name: Manini Holdings
 Total Hectares: 70.45
 Field Boundary Start Location:
 Latitude: -24.90452096
 Longitude: 29.31603629

Interpretation of micro-elements

Willem J.H. Eigenhuis

Pri Sci Nat 400156/10



The table below serves as a standard guideline for micro-element levels in soil. The extraction methods used for the below values were DTPA-TEA for cathodes and warm water extraction for Boron. It is important to place emphases on the extraction method as laboratory practice vary between service providers. This may cause great confusion.

TABEL 1: Recommended micro-element guideline (mg/kg)

Element	Very Low	Low	Medium	High	Very High
Zink (Zn)*	≤0,19	0,2-0,49	0,5 – 0,9	1,0 – 1,99	≥ 2,0
Copper (Cu)*	≤0,09	0,1 – 0,29	0,3 – 0,69	0,7 – 1,49	≥ 1,5
Manganese (Mn)*	≤ 0,79	0,8 – 1,19	1,2 – 2,49	2,5 – 3,49	≥ 3,5
Iron (Fe)*	≤ 1,49	1,5 – 2,69	2,7 – 4,99	5,0 – 5,99	≥ 6,0
Molybdenum (Mo)*	No Guideline				
Boron (B)**	≤ 0,19	0,2 – 0,49	0,5 – 0,99	1,0 – 1,49	≥ 1,5

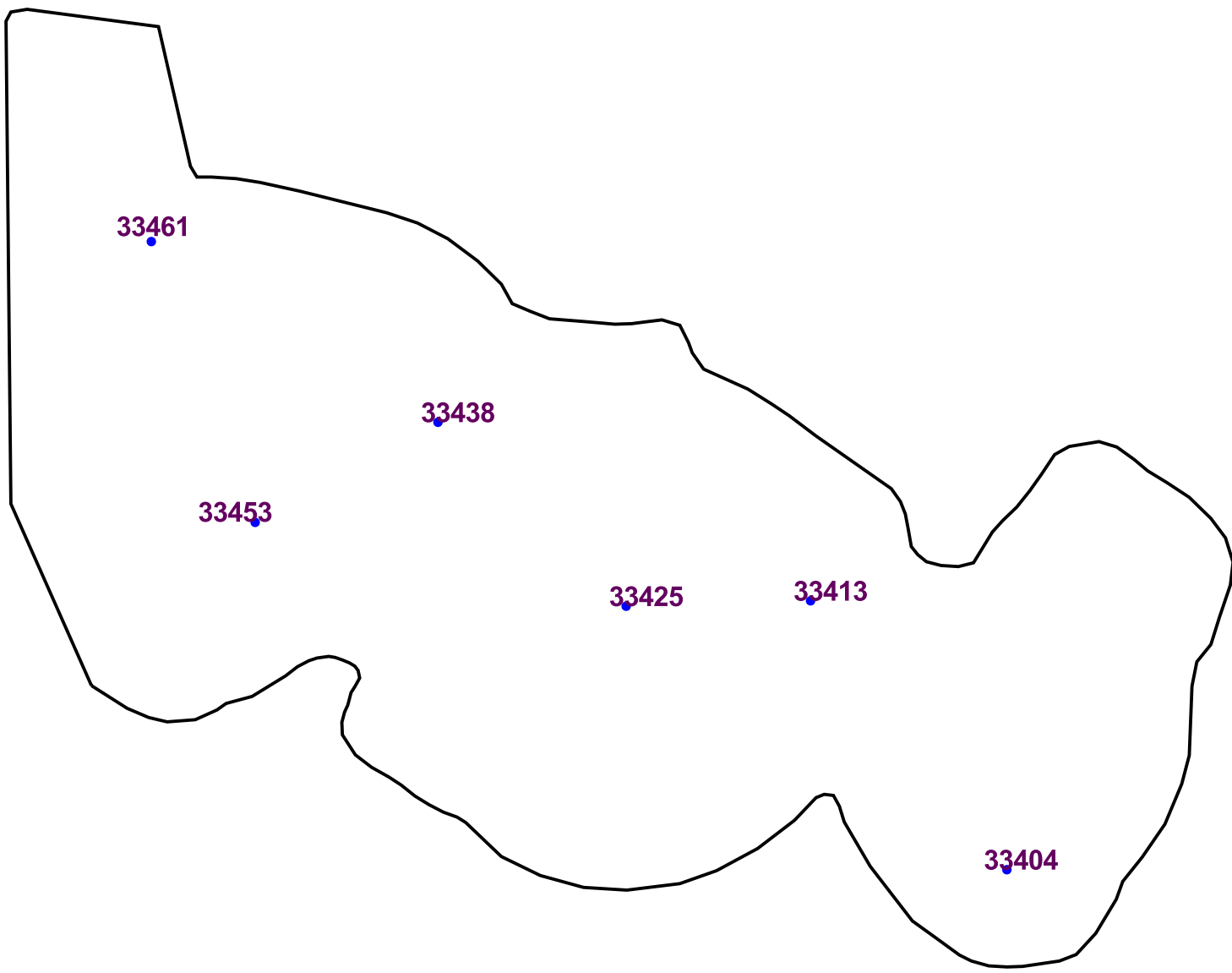
* - DTPA-TEA extraction method

** - Warm water extraction for Boron

Manini Holdings_Paardeplaats,Paardeplaats; 21 (70.45 ha.) - Sub soil samples



**Agri
Technovation**
Specialized to succeed

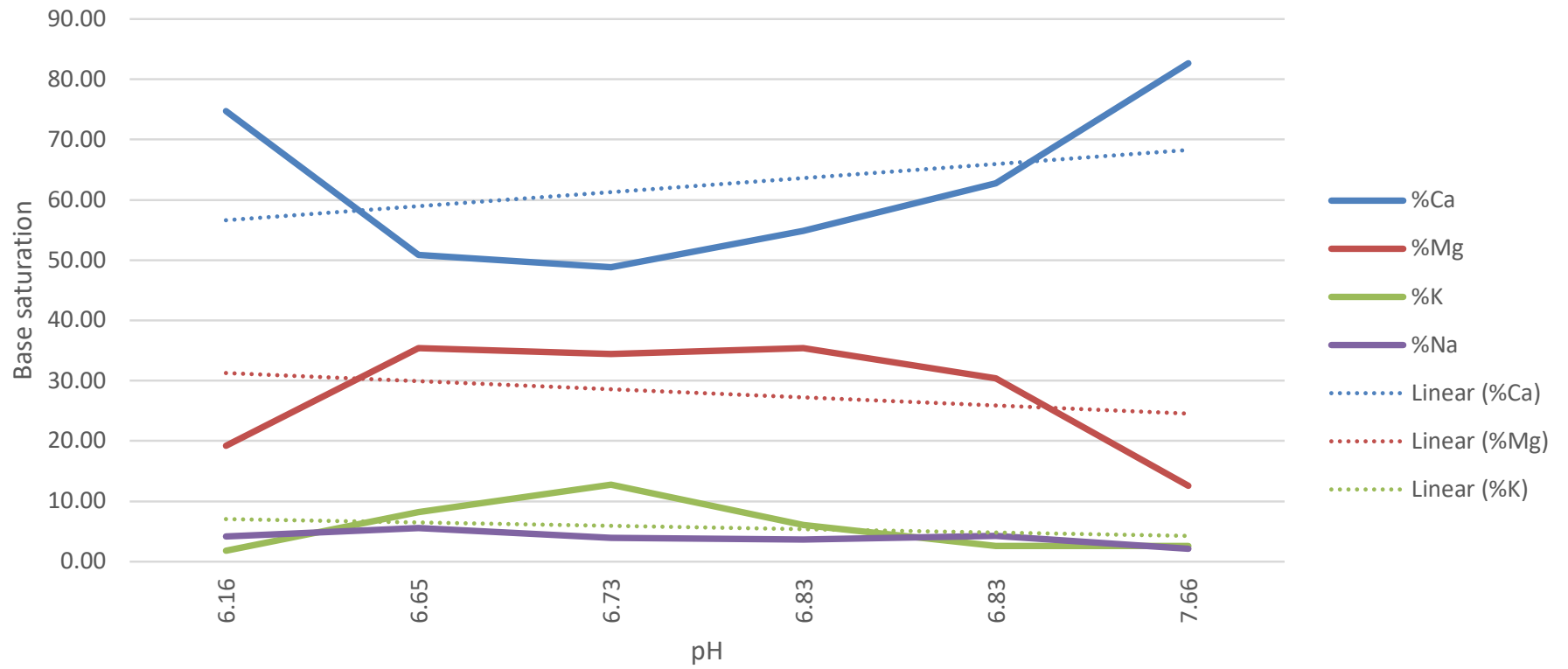


● Soil Sampling Points
 □ (70.5ha.)Field Boundary

Lab No	Reference no	pH(KCl)	Bray I	K	Na	Ca	Mg	UIT H+	%Ca	%Mg	%K	%Na	Acid Sat	Ca:Mg	(Ca+Mg)/K	Mg:K	S-Value	Na:K	CEC	Density	Sulphur
		-	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	cmol(+)/kg	%	%	%	%	%	1.5-4.5	10.0-20.0	3.0-4.0	cmol(+)/kg	-	cmol(+)/kg	g/cm ³	mg/kg
G25-10228	AT-VTDS33404	6.65	38.00	343.00	151.00	733.00	315.00	0.00	47.10	33.21	11.27	8.42	0.00	1.42	7.13	2.95	7.78	0.75	7.78	1.11	41.21
G25-10237	AT-VTDS33413	6.69	27.00	257.00	78.00	847.00	342.00	0.00	52.69	34.92	8.18	4.21	0.00	1.51	10.71	4.27	8.04	0.51	8.04	1.10	16.93
G25-10249	AT-VTDS33425	7.05	21.00	180.00	192.00	2277.00	670.00	0.00	62.65	30.23	2.53	4.59	0.00	2.07	36.71	11.95	18.18	1.82	18.18	1.05	25.93
G25-10262	AT-VTDS33438	6.80	11.00	120.00	305.00	3013.00	411.00	0.00	75.10	16.77	1.52	6.61	0.00	4.48	60.28	11.01	20.06	4.33	20.06	1.04	125.34
G25-10277	AT-VTDS33453	6.20	6.00	303.00	172.00	1355.00	556.00	0.00	52.71	35.45	6.03	5.80	0.00	1.49	14.61	5.88	12.86	0.96	12.86	1.20	78.28
G25-10285	AT-VTDS33461	7.59	2.00	191.00	165.00	4409.00	309.00	0.00	85.49	9.83	1.90	2.78	0.00	8.69	50.28	5.19	25.79	1.47	25.79	1.18	68.19

Date: Jan 12, 2021
 Field Name: Manini Holdings_Paardeplaats,Paardeplaats; 21
 Farm Name: Paardeplaats Chemie
 Client Name: Manini Holdings
 Total Hectares: 70.45
 Field Boundary Start Location:
 Latitude: -24.90452096
 Longitude: 29.31603629

pH vs Base saturation: Manini Holdings - Paardeplaats, Paardeplaats



Lab No	Reference no	pH(KCl)	Bray I	K	Na	Ca	Mg	UIT H+	%Ca	%Mg	%K	%Na	Acid Sat	Ca:Mg	(Ca+Mg)/K	Mg:K	S-Value	Na:K	CEC	Density	Sulphur	Zn	Cu	Mn	Fe
		-	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	cmol(+)/kg	%	%	%	%	%	1.5-4.5	10.0-20.0	3.0-4.0	cmol(+)/kg	-	cmol(+)/kg	g/cm3	mg/kg	mg/kg DTPA	mg/kg DTPA	mg/kg DTPA	mg/kg DTPA
G25-10215	AT-VTDS33392	5.30	1.00	293.00	6.00	752.00	136.00	0.00	66.57	19.68	13.28	0.47	0.00	3.38	6.49	1.48	5.65	0.04	5.65	1.16	5.18				
G25-10216	Quality Control	7.62	77.00	153.00	29.00	1035.00	198.00	0.00	70.70	22.23	5.34	1.73	0.00	3.18	17.40	4.16	7.32	0.32	7.32	1.47	12.85				
G25-10217	AT-VTDS33393	5.59	1.00	393.00	6.00	829.00	186.00	0.00	61.84	22.78	14.97	0.41	0.00	2.71	5.65	1.52	6.71	0.03	6.71	1.12	5.23				
G25-10218	AT-VTDS33394	6.94	3.00	369.00	8.00	1722.00	159.00	0.00	79.05	12.00	8.65	0.30	0.00	6.59	10.52	1.39	10.90	0.04	10.90	1.32	8.04				
G25-10219	AT-VTDS33395	6.54	56.00	260.00	148.00	1406.00	489.00	0.00	56.95	32.47	5.38	5.20	0.00	1.75	16.62	6.03	12.35	0.97	12.35	0.99	66.17				
G25-10220	AT-VTDS33396	6.94	35.00	338.00	88.00	1134.00	374.00	0.00	56.78	30.73	8.65	3.84	0.00	1.85	10.12	3.55	9.98	0.44	9.98	1.04	20.48				
G25-10221	AT-VTDS33397	5.70	40.00	264.00	79.00	835.00	318.00	0.00	53.53	33.42	8.65	4.40	0.00	1.60	10.05	3.86	7.80	0.51	7.80	1.14	27.40				
G25-10222	AT-VTDS33398	4.50	119.00	226.00	111.00	524.00	166.00	0.00	51.97	27.02	11.46	9.55	0.00	1.92	6.89	2.36	5.05	0.83	5.05	1.26	94.59				
G25-10223	AT-VTDS33399	5.00	2.00	328.00	6.00	835.00	181.00	0.00	64.01	22.77	12.85	0.38	0.00	2.81	6.75	1.77	6.53	0.03	6.53	1.20	7.09				
G25-10224	AT-VTDS33400	6.56	41.00	297.00	118.00	720.00	319.00	0.00	48.06	34.93	10.14	6.87	0.00	1.38	8.19	3.45	7.49	0.68	7.49	1.09	34.45				
G25-10225	AT-VTDS33401	6.65	47.00	312.00	41.00	618.00	257.00	0.00	50.05	34.14	12.90	2.90	0.00	1.47	6.52	2.65	6.18	0.22	6.18	1.22	13.11				
G25-10226	AT-VTDS33402	6.48	22.00	236.00	40.00	810.00	302.00	0.00	55.42	33.93	8.28	2.37	0.00	1.63	10.79	4.10	7.30	0.29	7.30	1.21	6.01				
G25-10227	AT-VTDS33403	6.73	50.00	410.00	75.00	803.00	346.00	0.00	48.83	34.45	12.77	3.95	0.00	1.42	6.52	2.70	8.22	0.31	8.22	1.02	14.20	0.66	5.33	0.54	3.83
G25-10228	AT-VTDS33404	6.65	38.00	343.00	151.00	733.00	315.00	0.00	47.10	33.21	11.27	8.42	0.00	1.42	7.13	2.95	7.78	0.75	7.78	1.11	41.21				
G25-10229	AT-VTDS33405	4.99	2.00	295.00	8.00	790.00	148.00	0.00	66.36	20.36	12.67	0.61	0.00	3.26	6.85	1.61	5.95	0.05	5.95	1.22	6.80				
G25-10230	AT-VTDS33406	5.83	2.00	284.00	80.00	814.00	244.00	0.00	57.00	28.00	10.15	4.86	0.00	2.04	8.37	2.76	7.14	0.48	7.14	1.09	22.05				
G25-10231	AT-VTDS33407	6.13	56.00	188.00	80.00	705.00	320.00	0.00	50.52	37.62	6.88	4.98	0.00	1.34	12.82	5.47	6.97	0.72	6.97	1.24	16.83				
G25-10232	AT-VTDS33408	6.54	30.00	161.00	76.00	700.00	335.00	0.00	50.07	39.31	5.88	4.74	0.00	1.27	15.21	6.69	6.99	0.81	6.99	1.24	12.97				
G25-10233	AT-VTDS33409	4.72	4.00	225.00	10.00	1480.00	245.00	0.00	73.82	20.00	5.75	0.43	0.00	3.69	16.32	3.48	10.02	0.07	10.02	1.13	37.27				
G25-10234	AT-VTDS33410	6.02	4.00	792.00	9.00	2961.00	384.00	0.00	73.97	15.71	10.12	0.20	0.00	4.71	8.86	1.55	20.02	0.02	20.02	0.89	8.68				
G25-10235	AT-VTDS33411	6.97	57.00	164.00	149.00	2003.00	685.00	0.00	59.99	33.61	2.51	3.89	0.00	1.78	37.29	13.39	16.69	1.55	16.69	1.03	31.62				
G25-10236	AT-VTDS33412	6.83	34.00	278.00	100.00	1289.00	507.00	0.00	54.85	35.41	6.05	3.70	0.00	1.55	14.93	5.86	11.75	0.61	11.75	1.19	20.35	1.37	9.71	1.65	4.62
G25-10237	AT-VTDS33413	6.69	27.00	257.00	78.00	847.00	342.00	0.00	52.69	34.92	8.18	4.21	0.00	1.51	10.71	4.27	8.04	0.51	8.04	1.10	16.93				
G25-10238	AT-VTDS33414	7.07	31.00	329.00	98.00	812.00	339.00	0.00	50.10	34.28	10.37	5.25	0.00	1.46	8.14	3.31	8.11	0.51	8.11	1.25	14.07				
G25-10239	AT-VTDS33415	7.60	17.00	202.00	146.00	3740.00	397.00	0.00	80.94	14.08	2.24	2.74	0.00	5.75	42.50	6.30	23.11	1.23	23.11	1.14	18.19				
G25-10240	AT-VTDS33416	7.47	16.00	160.00	239.00	2547.00	610.00	0.00	66.40	26.06	2.13	5.41	0.00	2.55	43.38	12.23	19.18	2.54	19.18	1.11	55.90				
G25-10241	AT-VTDS33417	6.18	21.00	330.00	117.00	1184.00	375.00	0.00	57.24	29.70	5.15	4.92	0.00	1.93	10.67	3.64	10.34	0.60	10.34	1.04	26.50				
G25-10242	AT-VTDS33418	6.48	26.00	196.00	179.00	1806.00	549.00	0.00	60.97	30.40	3.38	5.24	0.00	2.01	27.00	8.98	14.81	1.55	14.81	1.01	45.29				
G25-10243	AT-VTDS33419	6.38	16.00	182.00	191.00	4103.00	476.00	0.00	79.78	15.19	1.81	3.22	0.00	5.25	52.53	8.40	25.72	1.78	25.72	1.01	70.79				
G25-10244	AT-VTDS33420	6.92	3.00	458.00	13.00	4266.00	391.00	0.00	82.80	12.43	4.54	0.23	0.00	6.66	20.96	2.74	25.76	0.05	25.76	1.09	18.65				
G25-10245	AT-VTDS33421	7.19	2.00	309.00	9.00	4071.00	310.00	0.00	85.80	10.70	3.33	0.17	0.00	8.02	28.95	3.21	23.72	0.05	23.72	1.06	10.57				
G25-10246	AT-VTDS33422	6.76	25.00	150.00	150.00	4349.00	557.00	0.00	79.52	16.70	1.40	2.38	0.00	4.76	68.65	11.92	27.34	1.70	27.34	1.03	25.89				
G25-10247	AT-VTDS33423	7.07	11.00	191.00	175.00	4437.00	621.00	0.00	77.77	17.85	1.72	2.66	0.00	4.36	55.71	10.40	28.52	1.55	28.52	1.11	34.23				
G25-10248	AT-VTDS33424	6.83	26.00	184.00	176.00	2271.00	672.00	0.00	62.75	30.42	2.60	4.23	0.00	2.06	35.81	11.69	18.10	1.63	18.10	1.08	25.40	0.70	6.43	1.10	4.14
G25-10249	AT-VTDS33425	7.05	21.00	180.00	192.00	2277.00	670.00	0.00	62.65	30.23	2.53	4.59	0.00	2.07	36.71	11.95	18.18	1.82	18.18	1.05	25.93				
G25-10250	AT-VTDS33426	6.83	21.00	282.00	116.00	1294.00	545.00	0.00	53.22	36.71	5.93	4.15	0.00	1.45	15.17	6.19	12.16	0.70	12.16	1.13	16.30				
G25-10251	AT-VTDS33427	6.38	85.00	232.00	212.00	1715.00	681.00	0.00	54.72	35.62	3.79	5.87	0.00	1.54	23.85	9.40	15.67	1.55	15.67	0.97	67.97				
G25-10252	AT-VTDS33428	6.96	61.00	374.00	104.00	1906.00	618.00	0.00	59.54	31.65	5.98	2.83	0.00	1.88	15.25	5.29	16.00	0.47	16.00	0.96	17.51				
G25-10253	AT-VTDS33429	6.95	12.00	435.00	230.00	1740.00	773.00	0.00	50.74	36.93	6.49	5.84	0.00	1.37	13.51	5.69	17.14	0.90	17.14	1.05	65.90				
G25-10254	AT-VTDS33430	6.88	24.00	334.00	158.00	1483.00	619.00	0.00	52.85	36.17	6.09	4.89	0.00	1.46	14.61	5.94	14.03	0.80	14.03	1.12	33.35				
G25-10255	AT-VTDS33431	6.88	24.00	189.00	142.00	1671.00	575.00	0.00	58.96	33.27	3.42	4.35	0.00	1.77	26.98	9.73	14.17	1.27	14.17	1.18	12.66				
G25-10256	AT-VTDS33432	7.08	54.00	337.00	167.00	1519.00	459.00	0.00	58.65	29.08	6.67	5.61	0.00	2.02	13.16	4.36	12.95	0.84	12.95	1.09	28.59				
G25-10257	AT-VTDS33433	7.34	3.00	459.00	10.00	3549.00	191.00	0.00	86.45	7.62	5.72	0.21	0.00	11.35	16.44	1.33	20.53	0.04	20.53	1.18	9.29				
G25-10258	AT-VTDS33434	7.22	3.00	290.00	14.00	4784.00	255.00	0.00	89.20	7.81	2.77	0.23	0.00	11.43	35.04	2.82	26.82	0.08	26.82	1.00	14.31				
G25-10259	AT-VTDS33435	7.47	2.00	287.00	11.00	5809.00	175.00	0.00	92.90	4.60	2.35	0.15	0.00	20.20	41.56	1.96	31.27	0.07	31.27	0.97	11.61				
G25-10260	AT-VTDS33436	7.49	24.00	239.00	162.00	3890.00	669.00	0.00	74.10	20.89	2.33	2.69	0.00	3.55	40.82	8.98	26.25	1.15	26.25	1.01	37.79				
G25-10261	AT-VTDS33437	6.16	18.00	135.00	183.00	2833.00	444.00	0.00	74.76	19.21	1.82	4.21	0.00	3.89	51.56	10.54	18.95	2.31	18.95	1.07	48.78	0.58	4.69	0.76	3.01
G25-10262	AT-VTDS33438	6.80	11.00	120.00	305.00	3013.00	411.00	0.00	75.10	16.77	1.52	6.61	0.00	4.48	60.28	11.01	20.06	4.33	20.06	1.04	125.34				
G25-10263	AT-VTDS33439	6.74	45.00	181.00	158.00	1155.00	401.00	0.00	56.55	32.19	4.53	6.73	0.00	1.76	19.59	7.11	10.21	1.49	10						

G25-10274	AT-VTDS33450	7.50	25.00	280.00	151.00	1936.00	401.00	0.00	67.52	22.90	4.99	4.59	0.00	2.95	18.11	4.59	14.34	0.92	14.34	1.13	62.37				
G25-10275	AT-VTDS33451	6.77	11.00	181.00	186.00	1203.00	419.00	0.00	56.09	32.04	4.32	7.54	0.00	1.75	20.41	7.42	10.72	1.75	10.72	1.22	35.37				
G25-10276	AT-VTDS33452	6.65	22.00	500.00	199.00	1582.00	672.00	0.00	50.83	35.40	8.22	5.55	0.00	1.44	10.48	4.30	15.56	0.67	15.56	1.00	99.78	0.94	15.69	1.90	5.91
G25-10277	AT-VTDS33453	6.20	6.00	303.00	172.00	1355.00	556.00	0.00	52.71	35.45	6.03	5.80	0.00	1.49	14.61	5.88	12.86	0.96	12.86	1.20	78.28				
G25-10278	AT-VTDS33454	7.33	3.00	252.00	169.00	4228.00	422.00	0.00	81.38	13.31	2.49	2.82	0.00	6.11	38.09	5.35	25.98	1.14	25.98	1.04	79.98				
G25-10279	AT-VTDS33455	7.16	2.00	288.00	41.00	5036.00	235.00	0.00	89.86	6.87	2.63	0.64	0.00	13.07	36.83	2.62	28.02	0.24	28.02	1.17	93.65				
G25-10280	AT-VTDS33456	7.30	15.00	256.00	238.00	2830.00	640.00	0.00	67.09	24.89	3.11	4.91	0.00	2.70	29.58	8.00	21.09	1.58	21.09	0.97	89.64				
G25-10281	AT-VTDS33457	6.48	27.00	359.00	215.00	1626.00	660.00	0.00	52.84	35.13	5.97	6.07	0.00	1.50	14.75	5.89	15.39	1.02	15.39	1.15	44.84				
G25-10282	AT-VTDS33458	7.00	12.00	213.00	179.00	1482.00	530.00	0.00	56.65	33.23	4.16	5.96	0.00	1.70	21.63	8.00	13.08	1.43	13.08	1.26	28.29				
G25-10283	AT-VTDS33459	7.22	14.00	144.00	283.00	2496.00	605.00	0.00	65.54	26.06	1.94	6.46	0.00	2.51	47.31	13.46	19.04	3.34	19.04	1.16	95.81				
G25-10284	AT-VTDS33460	7.66	2.00	272.00	129.00	4377.00	407.00	0.00	82.66	12.59	2.63	2.12	0.00	6.57	36.26	4.79	26.48	0.81	26.48	1.09	41.11	0.96	4.94	0.88	2.37
G25-10285	AT-VTDS33461	7.59	2.00	191.00	165.00	4409.00	309.00	0.00	85.49	9.83	1.90	2.78	0.00	8.69	50.28	5.19	25.79	1.47	25.79	1.18	68.19				
G25-10286	AT-VTDS33462	6.65	1.00	200.00	10.00	2120.00	182.00	0.00	83.80	11.80	4.05	0.36	0.00	7.10	23.61	2.91	12.65	0.09	12.65	1.15	4.42				
G25-10287	AT-VTDS33463	7.24	2.00	249.00	12.00	4162.00	155.00	0.00	91.38	5.60	2.80	0.23	0.00	16.33	34.69	2.00	22.77	0.08	22.77	1.10	11.26				
G25-10288	Quality Control	7.76	63.00	148.00	32.00	785.00	180.00	0.00	66.27	24.97	6.39	2.37	0.00	2.65	14.29	3.91	5.92	0.37	5.92	1.50	12.18				
G25-10289	AT-VTDS33464	7.34	3.00	305.00	6.00	3355.00	139.00	0.00	89.60	6.09	4.17	0.14	0.00	14.71	22.95	1.46	18.72	0.03	18.72	1.30	14.00				
G25-10290	AT-VTDS33465	7.28	1.00	122.00	9.00	3262.00	203.00	0.00	89.01	9.07	1.71	0.22	0.00	9.82	57.44	5.31	18.32	0.13	18.32	1.19	5.24				
G25-10291	AT-VTDS33466	6.24	1.00	58.00	4.00	1048.00	179.00	0.00	76.21	21.38	2.14	0.27	0.00	3.57	45.60	9.99	6.88	0.13	6.88	1.19	14.70				
G25-10292	AT-VTDS33467	7.03	11.00	168.00	218.00	2709.00	367.00	0.00	75.54	16.79	2.39	5.29	0.00	4.50	38.60	7.02	17.93	2.21	17.93	1.25	34.04				
G25-10293	AT-VTDS33468	7.07	32.00	270.00	93.00	1443.00	467.00	0.00	59.44	31.54	5.69	3.33	0.00	1.88	16.00	5.55	12.14	0.59	12.14	1.22	14.23				
G25-10294	AT-VTDS33469	6.91	21.00	258.00	227.00	1491.00	601.00	0.00	53.16	35.11	4.70	7.03	0.00	1.51	18.76	7.46	14.02	1.49	14.02	1.07	64.71				
G25-10295	AT-VTDS33470	7.00	2.00	357.00	20.00	3124.00	400.00	0.00	78.50	16.48	4.59	0.44	0.00	4.76	20.69	3.59	19.90	0.10	19.90	1.01	12.18				

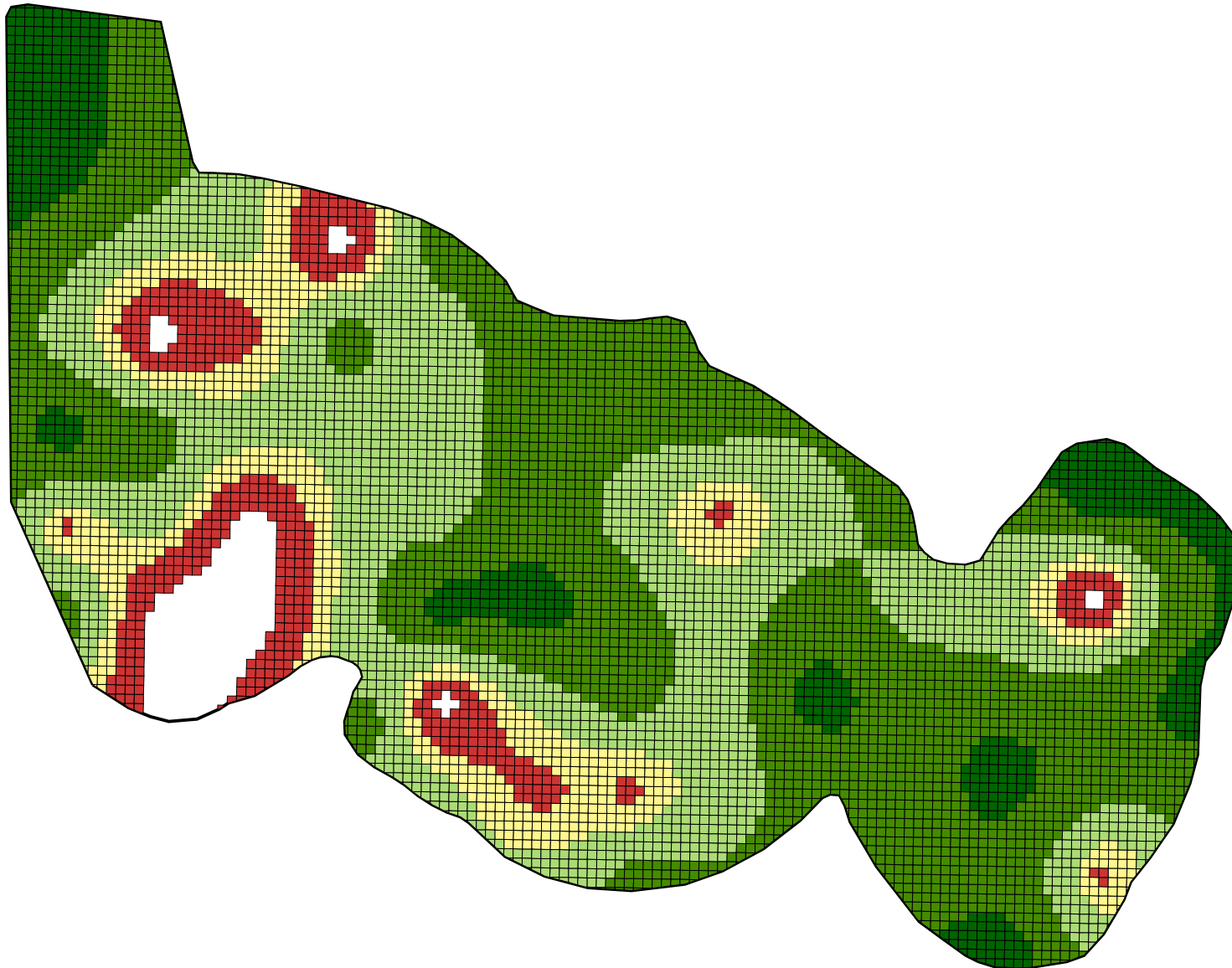


Manini Holdings_Paardeplaats,Paardeplaats; 21 (70.45 ha.) - Chloorkop Gypsum Rec



Agri Technovation

Specialized to succeed



Chloorkop Gypsum Rec		
500	(5.1 ha. - 7.2%)	
500 - 750	(7.8 ha. - 11.1%)	
750 - 1000	(22.1 ha. - 31.3%)	
1000 - 1500	(26.9 ha. - 38.1%)	
1500 - 2000	(6.3 ha. - 8.9%)	
(70.5ha.)	Field Boundary	

Equation Used: _AT Gyp

Date: Jan 12, 2021
 Field Name: Manini Holdings_Paardeplaats,Paardeplaats; 21
 Farm Name: Paardeplaats_Chemie
 Client Name: Manini Holdings
 Total Hectares: 70.45
 Field Boundary Start Location:
 Latitude: -24.90452096
 Longitude: 29.31603629

Application Estimates:

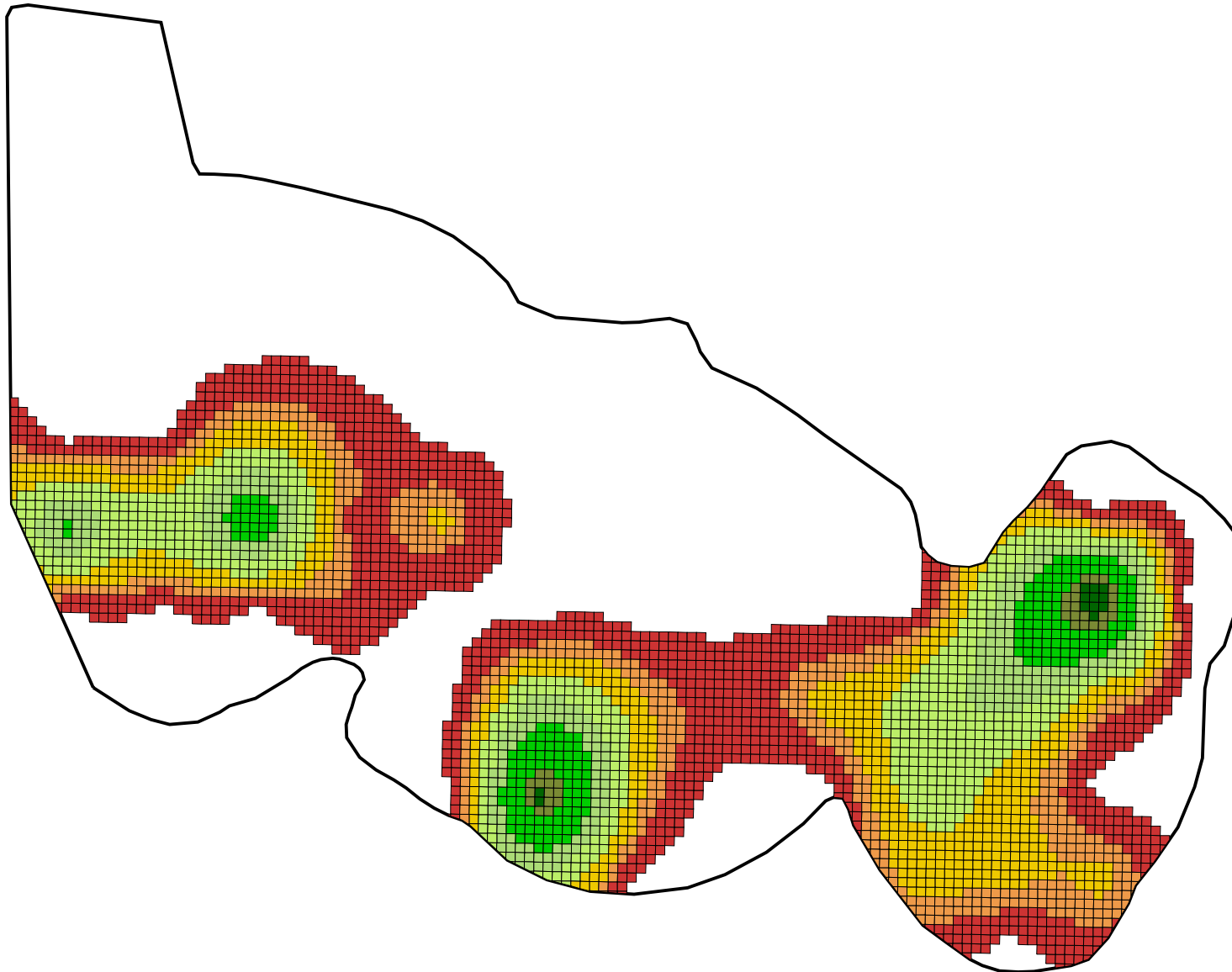
Product:	Chloorkop Gypsum	
Min. Rate:		500.0 Kg./ha.
Max. Rate:		2000.0 Kg./ha.
Avg. Rate:		1230.3 Kg./ha.
Total Chloorkop Gypsum:		83510.2 Kg.
Total Chloorkop (100%):		83510.2 Kg.
Product Price per kilogram:		R0.00
Product Cost:		R0.00
Number of Hectares to be Applied:	68.28 Hectares	
Per Hectare Application Charge:		R0.00
Anticipated Application Charge:		R0.00
Total Cost:		R0.00
Cost per Applied Hectare:		R0.00
Total Hectare Cost:		R0.00

Manini Holdings_Paardeplaats,Paardeplaats; 21 (70.45 ha.) - Immerpan Calcitic Lime Rec



Technovation

Specialized to succeed



Immerpan Calcitic Lime Recommendation	
500	(11.2 ha. - 15.9%)
500 - 750	(5.4 ha. - 7.6%)
750 - 1000	(6.4 ha. - 9.1%)
1000 - 1500	(5.8 ha. - 8.2%)
1500 - 2000	(2.9 ha. - 4.1%)
2000 - 3000	(2.1 ha. - 3.0%)
3000 - 3500	(0.3 ha. - 0.5%)
3500 - 4500	(0.1 ha. - 0.2%)
	(70.5ha.)Field Boundary

Equation Used: _AT Cal

Date: Jan 12, 2021

Field Name: Manini Holdings_Paardeplaats,Paardeplaats; 21

Farm Name: Paardeplaats_Chemie

Client Name: Manini Holdings

Total Hectares: 70.45

Field Boundary Start Location:

Latitude: -24.90452096

Longitude: 29.31603629

Application Estimates:

Product: Immerpan Calcitic Lime

Min. Rate: 500.0 Kg./ha.

Max. Rate: 4500.0 Kg./ha.

Avg. Rate: 1099.8 Kg./ha.

Total Immerpan Calcitic Lime: 38047.3 Kg.

Total Calcitic Lime (100%): 38047.3 Kg.

Product Price per kilogram: R0.00

Product Cost: R0.00

Number of Hectares to be Applied: 34.43 Hectares

Per Hectare Application Charge: R0.00

Anticipated Application Charge: R0.00

Total Cost: R0.00

Cost per Applied Hectare: R0.00

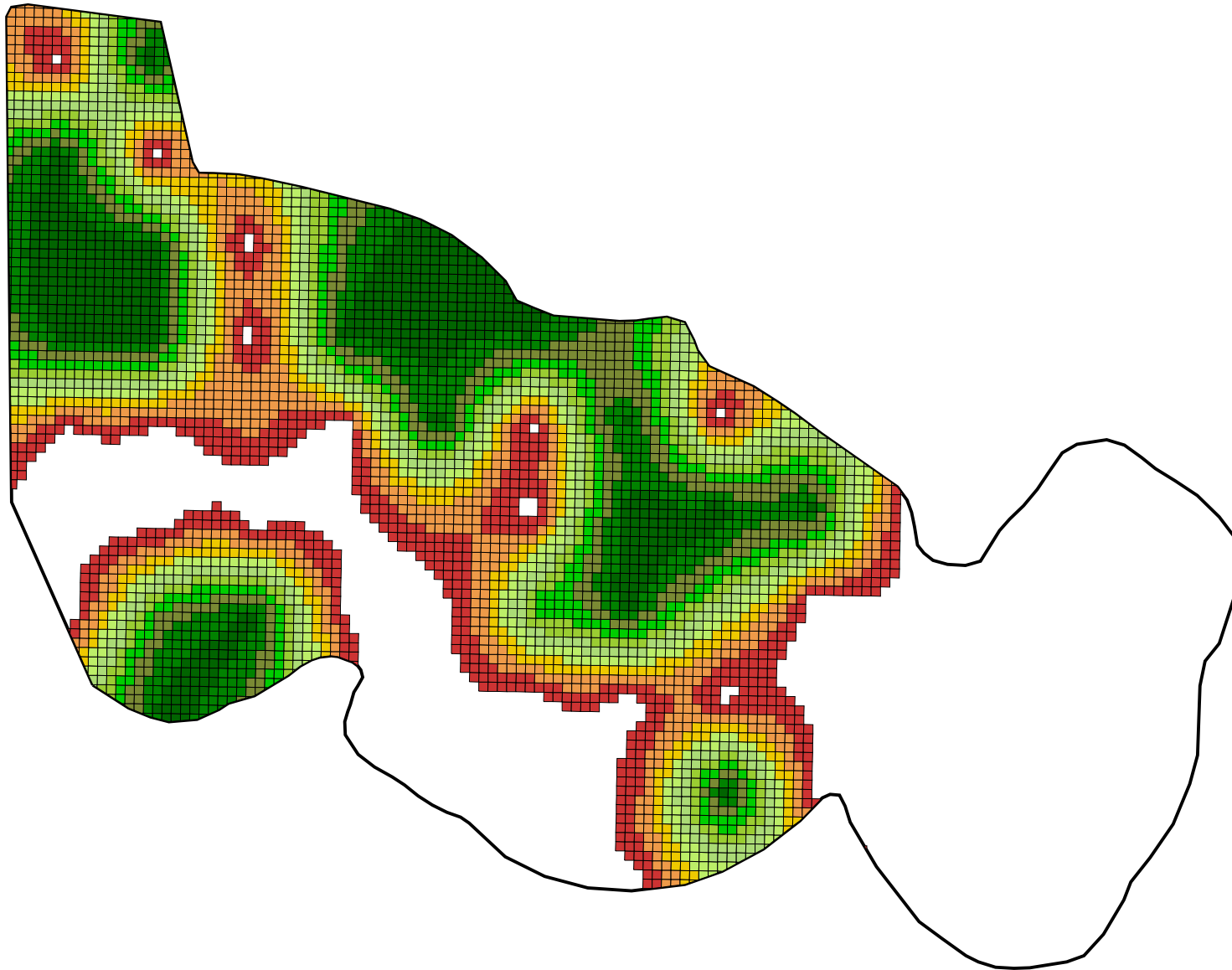
Total Hectare Cost: R0.00

Manini Holdings_Paardeplaats,Paardeplaats; 21 (70.45 ha.) - K2SO4 Rec



Agri Technovation

Specialized to succeed



K2SO4 Recommendation	
50	(6.1 ha. - 8.6%)
50 - 100	(5.7 ha. - 8.0%)
100 - 150	(3.9 ha. - 5.6%)
150 - 200	(3.5 ha. - 5.0%)
200 - 250	(3.5 ha. - 5.0%)
250 - 300	(3.2 ha. - 4.5%)
300 - 350	(3.3 ha. - 4.6%)
350 - 400	(3.7 ha. - 5.2%)
400 - 450	(4.4 ha. - 6.3%)
450 - 500	(5.2 ha. - 7.4%)
□	(70.5ha.)Field Boundary

Equation Used: _AT K2SO4

Date: Jan 12, 2021
 Field Name: Manini Holdings_Paardeplaats,Paardeplaats; 21
 Farm Name: Paardeplaats_Chemie
 Client Name: Manini Holdings
 Total Hectares: 70.45
 Field Boundary Start Location:
 Latitude: -24.90452096
 Longitude: 29.31603629

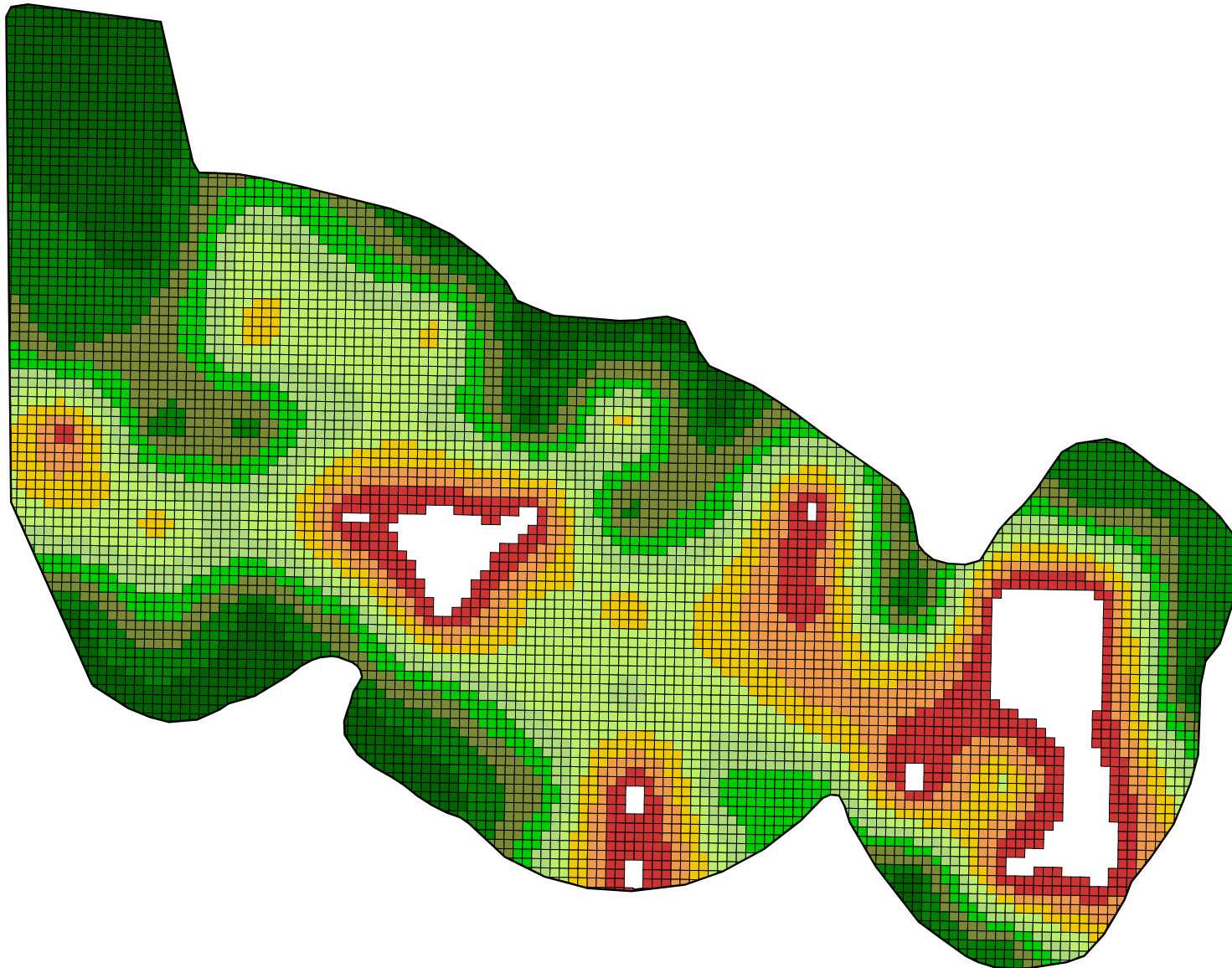
Application Estimates:
 Product: K2SO4
 Min. Rate: 50.0 Kg./ha.
 Max. Rate: 500.0 Kg./ha.
 Avg. Rate: 264.5 Kg./ha.
 Total K2SO4: 11232.3 Kg.
 Total K2SO4 (100%): 11232.3 Kg.
 Product Price per kilogram: R0.00
 Product Cost: R0.00
 Number of Hectares to be Applied: 42.54 Hectares
 Per Hectare Application Charge: R0.00
 Anticipated Application Charge: R0.00
 Total Cost: R0.00
 Cost per Applied Hectare: R0.00
 Total Hectare Cost: R0.00

Manini Holdings_Paardeplaats,Paardeplaats; 21 (70.45 ha.) - MAP Rec



Agri Technovation

Specialized to succeed



MAP Recommendation	
50	(5.2 ha. - 7.4%)
50 - 100	(5.5 ha. - 7.8%)
100 - 150	(6.8 ha. - 9.6%)
150 - 200	(11.4 ha. - 16.1%)
200 - 250	(8.2 ha. - 11.6%)
250 - 300	(7.2 ha. - 10.2%)
300 - 350	(7.1 ha. - 10.0%)
350 - 400	(8.1 ha. - 11.4%)
400 - 450	(7.4 ha. - 10.4%)
(70.5ha.)	Field Boundary

Equation Used: _AT P

Date: Jan 12, 2021
 Field Name: Manini Holdings_Paardeplaats,Paardeplaats; 21
 Farm Name: Paardeplaats_Chemie
 Client Name: Manini Holdings
 Total Hectares: 70.45
 Field Boundary Start Location:
 Latitude: -24.90452096
 Longitude: 29.31603629

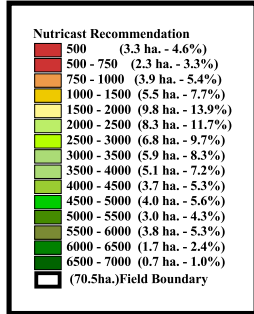
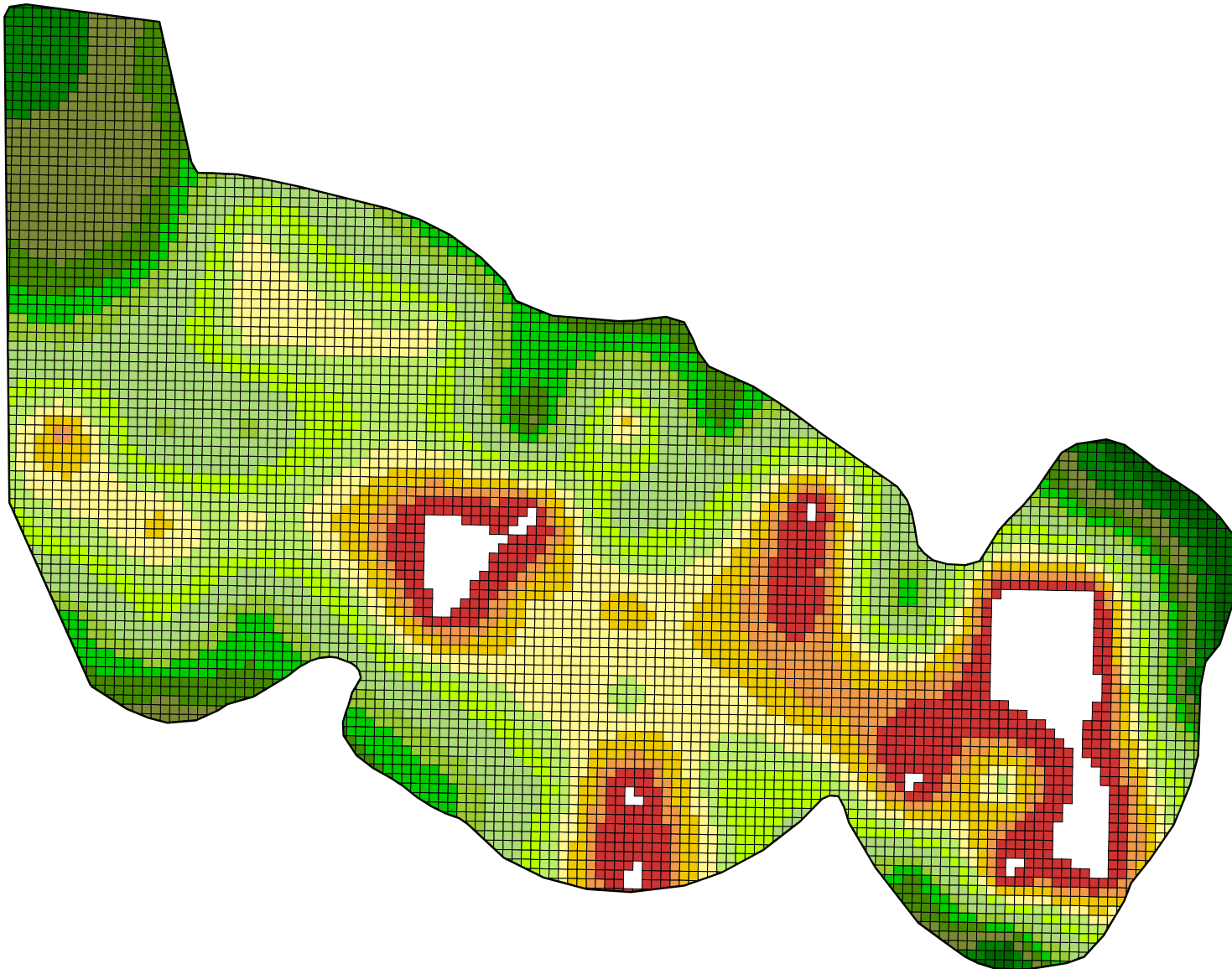
Application Estimates:
 Product: MAP
 Min. Rate: 50.0 Kg./ha.
 Max. Rate: 450.0 Kg./ha.
 Avg. Rate: 263.3 Kg./ha.
 Total MAP: 17340.5 Kg.
 Total MAP (100%): 17340.5 Kg.
 Product Price per kilogram: R0.00
 Product Cost: R0.00
 Number of Hectares to be Applied: 66.83 Hectares
 Per Hectare Application Charge: R0.00
 Anticipated Application Charge: R0.00
 Total Cost: R0.00
 Cost per Applied Hectare: R0.00
 Total Hectare Cost: R0.00

Manini Holdings_Paardeplaats,Paardeplaats; 21 (70.45 ha.) - Nutricast Rec



**Agri
Technovation**

Specialized to succeed



Equation Used: _AT Nutricast

Date: Jan 12, 2021
 Field Name: Manini Holdings_Paardeplaats,Paardeplaats; 21
 Farm Name: Paardeplaats_Chemie
 Client Name: Manini Holdings
 Total Hectares: 70.45
 Field Boundary Start Location:
 Latitude: -24.90452096
 Longitude: 29.31603629

Application Estimates:
 Product: Nutricast
 Min. Rate: 500.0 Kg./ha.
 Max. Rate: 7000.0 Kg./ha.
 Avg. Rate: 3147.1 Kg./ha.
 Total Nutricast: 209095.9 Kg.
 Total Nutricast (100%): 209095.9 Kg.
 Product Price per kilogram: R0.00
 Product Cost: R0.00
 Number of Hectares to be Applied: 67.72 Hectares
 Per Hectare Application Charge: R0.00
 Anticipated Application Charge: R0.00
 Total Cost: R0.00
 Cost per Applied Hectare: R0.00
 Total Hectare Cost: R0.00