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2013 ICDC FIELD DEMONSTRATIONS



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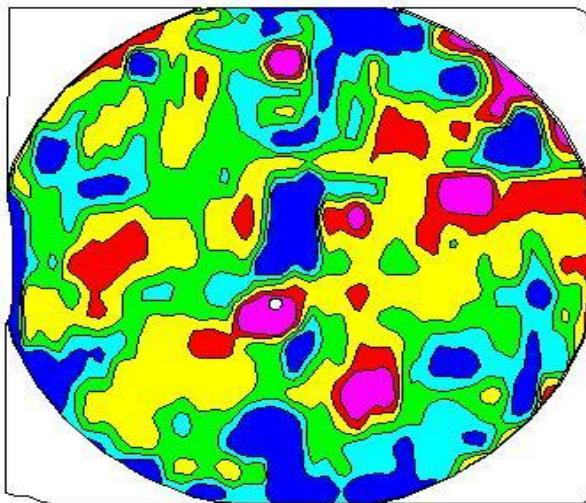


2013 PROJECT LIST



- Seed Placed Potash on Durum
- Relationship Between GPS Collected Grain Yield and EM38 Salinity Mapping
- Irrigation Water Management 2013

Seed Placed Potash on Durum



Zone	Yield Target	Acres	N	P	K
1	95	4	100	25	10
2	100	12	145	35	10
3	100	38	146	35	10
4	100	34	145	35	10
5	100	25	139	40	10
6	105	18	139	35	10

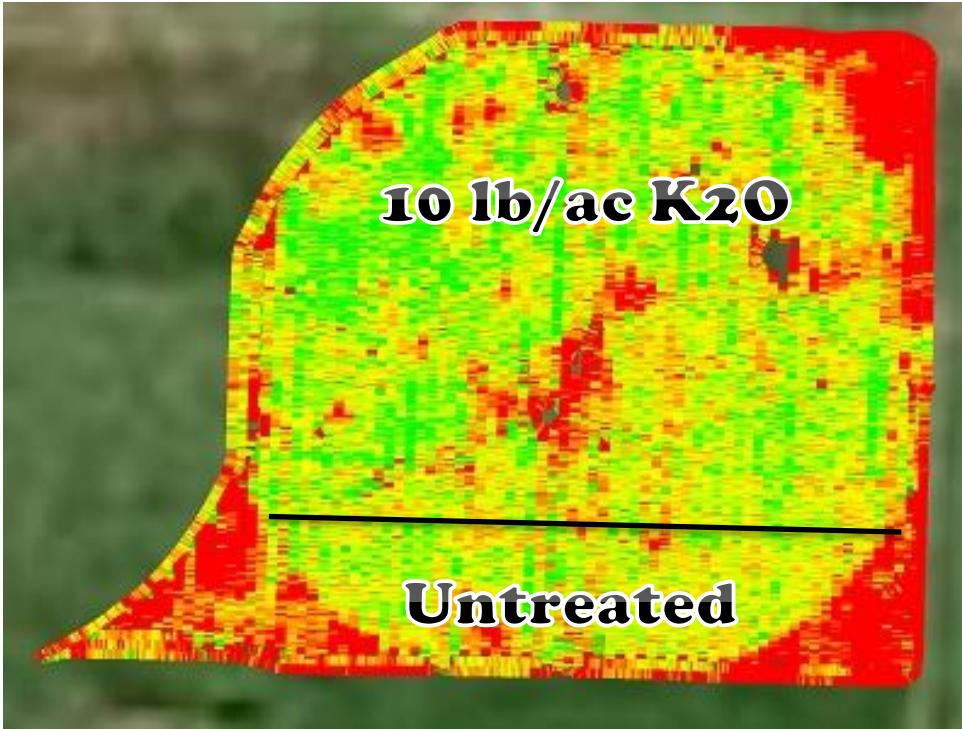
Figure 1: Farmers Edge variable rate application zone map

Seed Placed Potash on Durum

Sample	N (%)	P (%)	K (%)	S (%)	Ca (%)	Mg (%)	Cu ppm	Fe ppm	Mn ppm	Zn ppm	B ppm
Durum Treated	3.54	0.30	3.81	0.33	0.27	0.22	8.5	110	47	20	6
Durum Untreated	3.73	0.27	3.57	0.38	0.38	0.25	7.6	109	47	23	9
Threshold	2.0	0.25	2.0	0.15	0.2	0.15	4.5	40	20	15	5

Table 1: Plant Tissue Analysis of Treated, Untreated, and Threshold

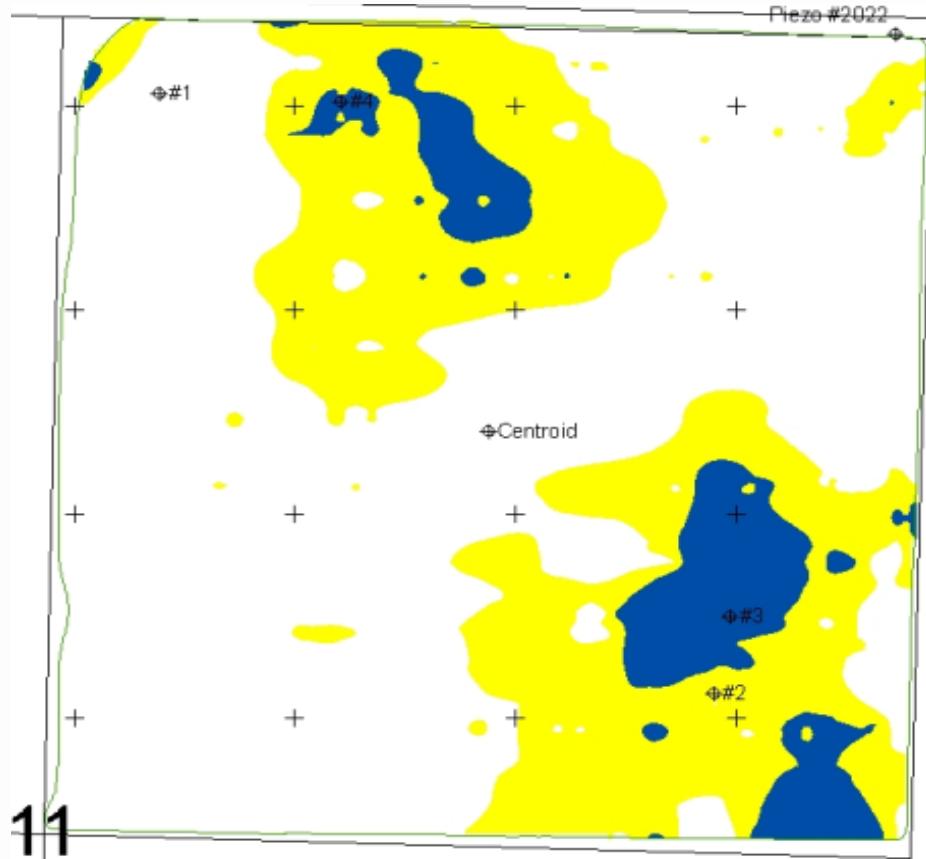
Seed Placed Potash on Durum



Field: NE22-22-7-W3
Year: 2013
Crop: Durum
Area: 158 ac
Avg. Yield: 92 bu/ac
Avg. Moisture: 11%

Figure 1: Farmers Edge yield map

Relationship Between GPS Collected Grain Yield and EM38 Salinity Mapping



Non - Saline

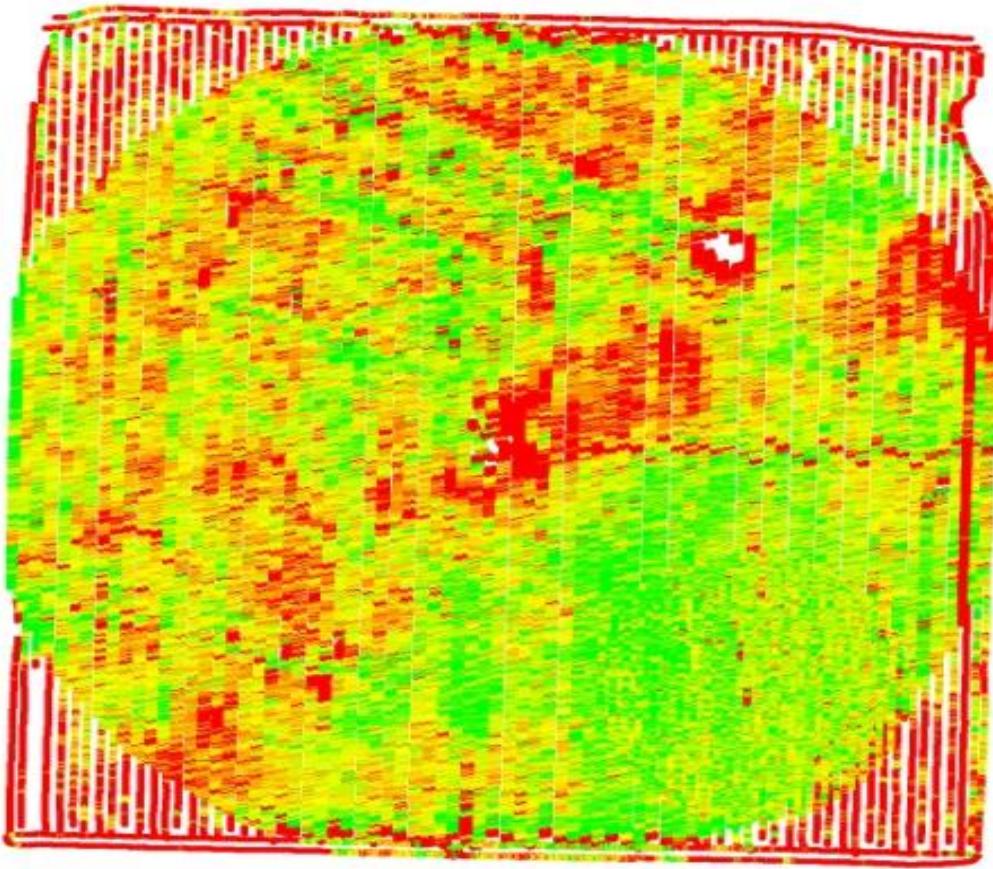


Slightly Saline



Moderately Saline

Figure 2: EM38 vertical salinity map



Field: NE11-22-7-W3

Year: 2013

Crop: Canola

Area: 151 ac

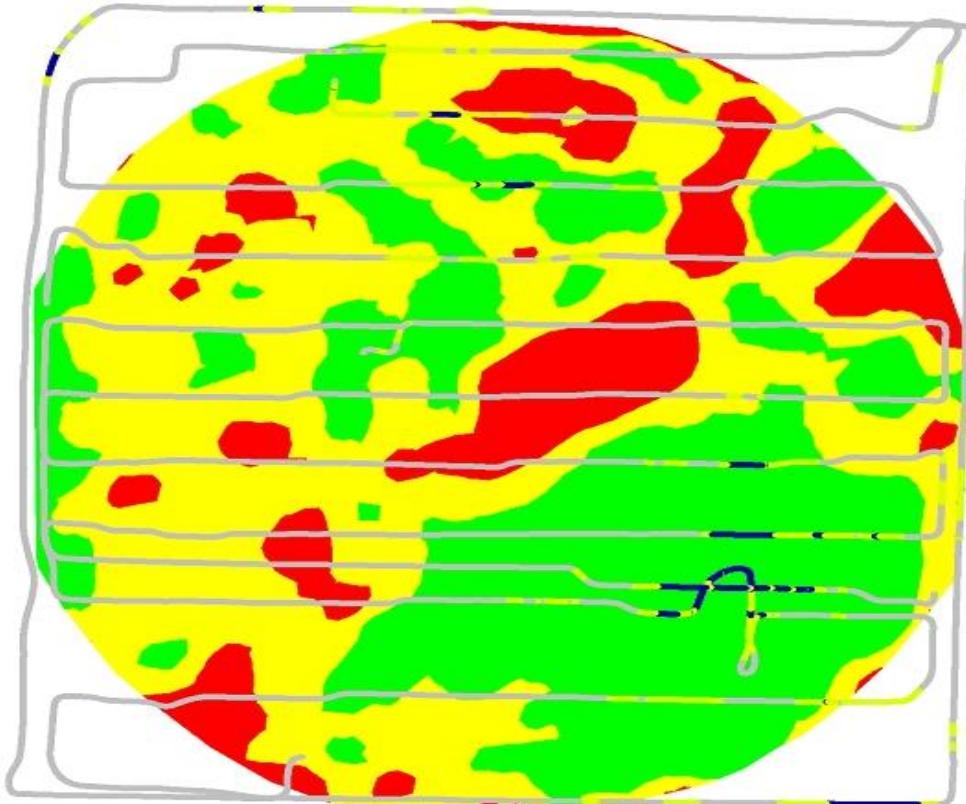
Avg. Yield: 65 bu/ac

Avg. Moisture: 4%

Figure 3: Farmers Edge yield map



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- Low Yield
- Medium Yield
- High Yield

- No Salinity
- Low Salinity
- Moderate Salinity

Figure 4: Farmers Edge Yield and EM38 Correlation

Irrigation Water Management

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John Deere Field Connect



Demo Field | Emsdale Demo | PCPB01B30024

06-10-2013 (0:00 AM) to 09-28-2013 (11:59 PM) – America/Regina

Sensors: 10, 20, 30, 50 cm, Use Interpolation: No, Show Zeros: No

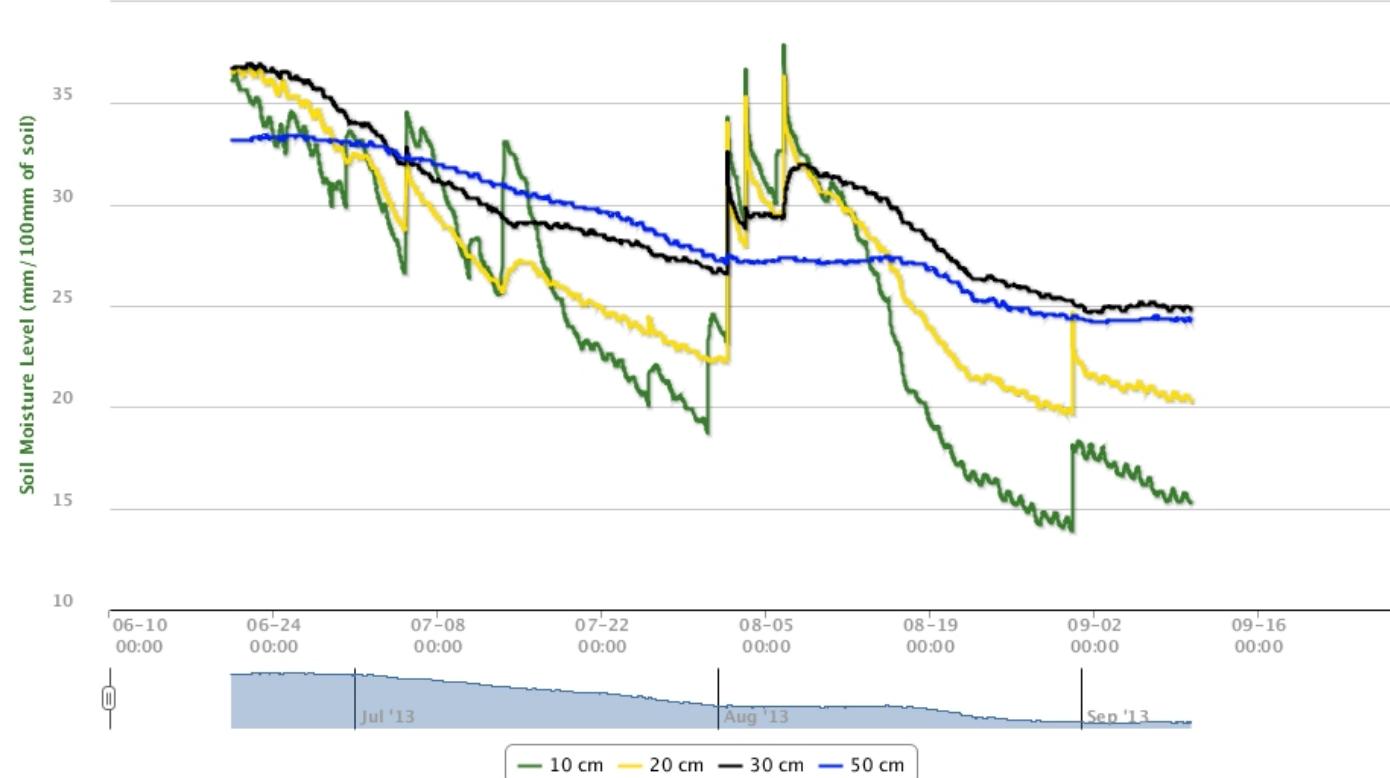
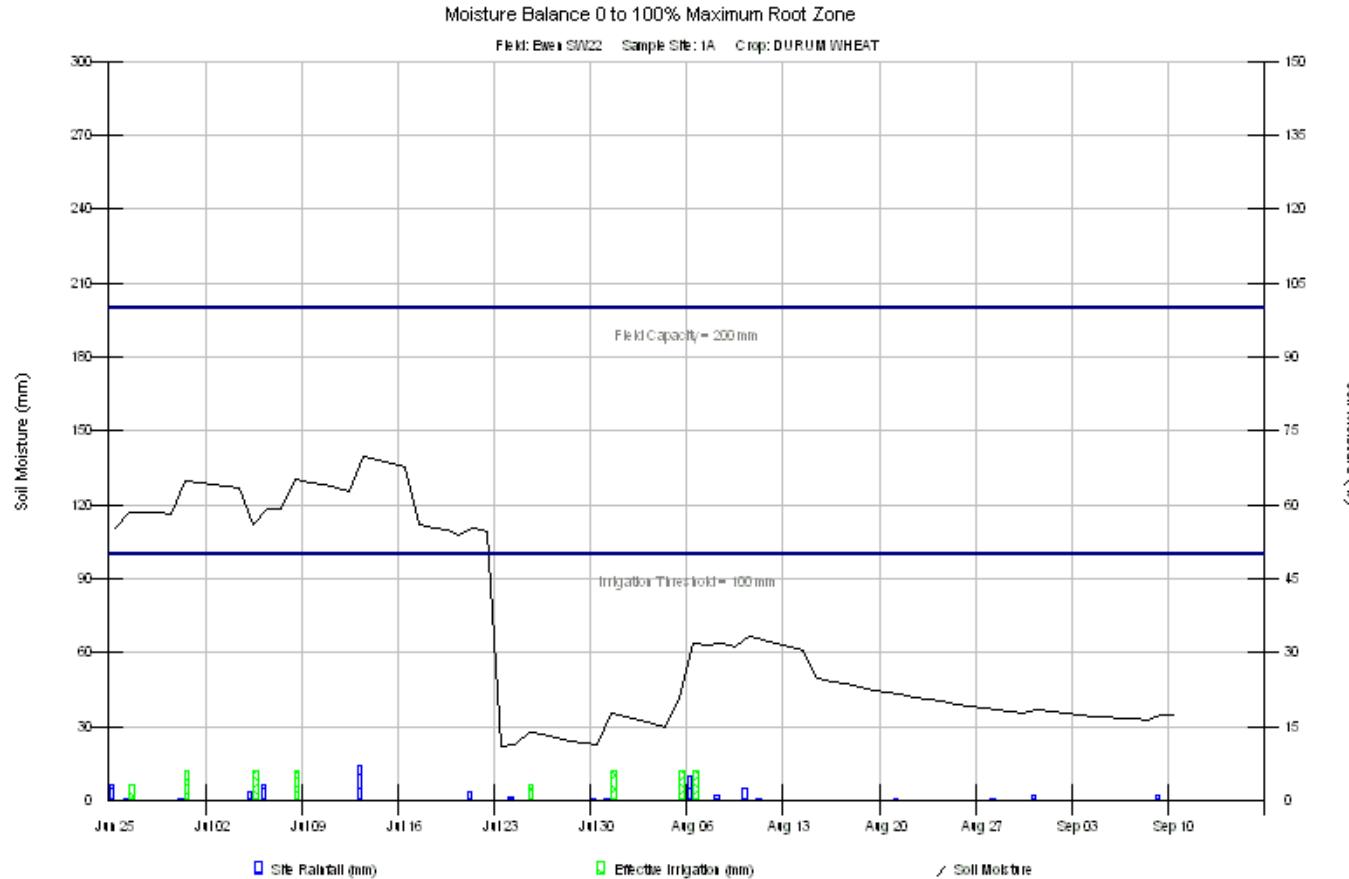


Figure 1: Field Connect probe graph for SW 22-22-7-W3



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Figure 2: AIMM graph for SW 22-22-7-W3



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