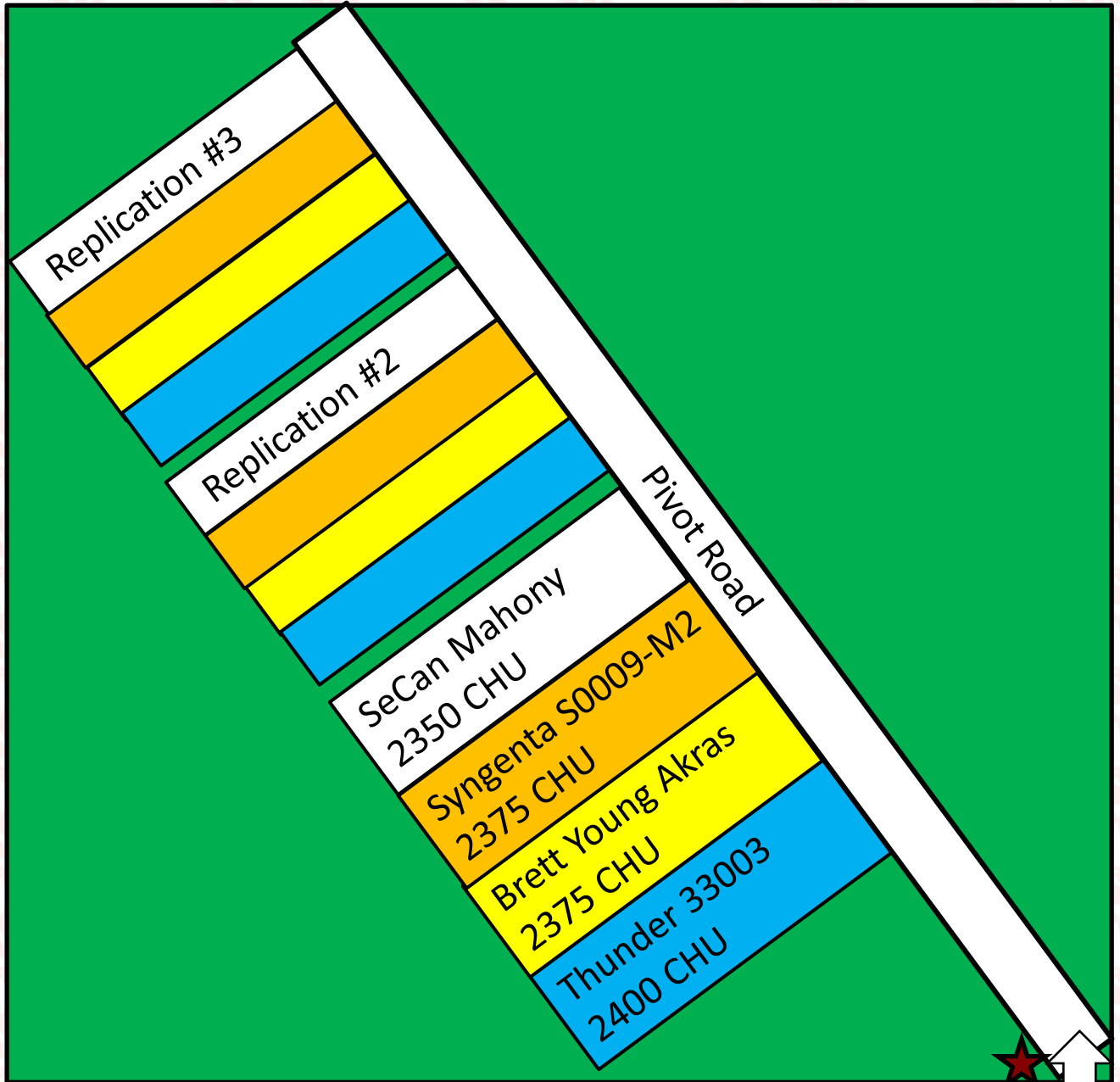


Redferns Rivers 2016 Soybean Plot

(Cooperator: Redfern Family Farms)

SW 33-11-21



Highway #250



Redfern plot signs



Surrounding field are Thunder 32004s

Field History and Fertility

- 2015: Roundup Ready Nexera. 2014: SY433 wheat.
- Fertilizer was banded in the fall of 2015 (targeting a 45 bu/ac canola crop) as a liquid suspension (0-45-15-20 @ 32 imperial gal/ac)
- The field has the ability to be irrigated, but the irrigation system has not run since June 23, 2016.
- Pre-Seed burn off was completed on May 20th with 0.5 REL glyphosate.
- Seeded on May 23 (TH33003 + Akras) and May 24 (S009-M2 + Mahony). All targeted 180,000 plants per acre and were solid seeded with a 60 foot New Holland Precision Hoe Drill (P2070) and cart (P4760).
- Nodulator Pro liquid inoculant combined with Cruiser Maxx Vibrance Beans on the seed and Agtiv soybean granular in the furrow

Weed Control and Weather

- First Pass: June 13
 - Roundup Transorb @ 0.67 L/ac (1 REL)
 - Solo ADV @ 40 ac/case
 - Micromix @ 40 ac/jug
- Second Pass: June 24
 - Roundup Weathermax @ 0.67 L/ac (1 REL)
 - Micromix @ 50 ac/jug
- Fungicide: July 20
 - Lance WDG @ 20 ac/jug
 - Pollin-AID @ 10 ac/jug
- 2 major hail events (last week of July and August 23) were recorded along with high wind speeds.

Harvest

- The plot was harvested on October 2, 2016 with a CX8080 New Holland combine with 35 foot Superflex New Holland header at a speed of 2.5 mph.
- Plots weights were measured using the scale on the 1075 bu grain cart.
- Plot lengths were measured using a wheel roller.

Raw Harvest Data

Variety	Rep	Length (m)	Weight (kg)	Length (ft)	Weight (lb)	Swath Width (ft)	Area (sq ft)	Area (ac)	Yield (bu/ac)	AVG (bu/ac)
TH33003	1	225.30	685	739.17	1510.151	34.5	25,501.48	0.59	43.0	
TH33003	2	219.10	665	718.83	1466.059	34.5	24,799.71	0.57	42.9	
TH33003	3	95.30	310	312.66	683.426	34.5	10,786.91	0.25	46.0	44.0
BY Akras	1	218.70	695	717.52	1532.197	34.5	24,754.43	0.57	44.9	
BY Akras	2	227.20	765	745.41	1686.519	34.5	25,716.54	0.59	47.6	
BY Akras	3	96.20	350	315.62	771.610	34.5	10,888.78	0.25	51.4	48.0
SY 009	1	221.90	690	728.02	1521.174	34.5	25,116.63	0.58	44.0	
SY 009	2	225.80	790	740.81	1741.634	34.5	25,558.07	0.59	49.5	
SY 009	3	96.00	345	314.96	760.587	34.5	10,866.14	0.25	50.8	48.1
Mahony	1	213.40	720	700.13	1587.312	34.5	24,154.53	0.55	47.7	
Mahony	2	226.40	800	742.78	1763.680	34.5	25,625.99	0.59	50.0	
Mahony	3	97.20	345	318.90	760.587	34.5	11,001.97	0.25	50.2	49.3

Data Corrected to 14% Moisture

		(bu/ac)		(bu/ac)				
TH33003	1	43.0		15.2	39.60			
TH33003	2	42.9		15.3	39.27			
TH33003	3	46.0	44.0	15.1	42.65	40.5	1.9	1.4
BY Akras R2Y	1	44.9		14.8	42.51			
BY Akras R2Y	2	47.6		14.9	44.74			
BY Akras R2Y	3	51.4	48.0	14.2	50.72	46.0	4.2	3.2
SY 009-M2 R2Y	1	44.0		14.7	41.88			
SY 009-M2 R2Y	2	49.5		13.9	49.83			
SY 009-M2 R2Y	3	50.8	48.1	13.6	52.31	48.0	5.5	4.1
Mahony	1	47.7		14.4	46.38			
Mahony	2	50.0		14.2	49.26			
Mahony	3	50.2	49.3	13.5	52.05	49.2	2.8	1.9

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