

## Phosphate Placement

- Keith Thompson – Osage City, Ks.
- Part in row with seed - rest 3" side
- All 3" to side
- None

## Equipment

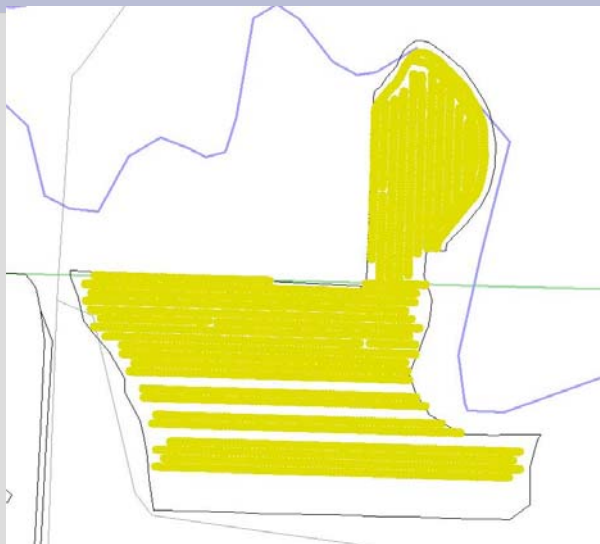
- Guidance System – auto guide
- Data Gathering – Sitemate on laptop.
- Greenstar (GS1) – harvest data
- EasiSuite – Where everything goes.



## Getting Ready

- Took Soil Tests
  - 15 ppm P-1 in Milo
  - 11 ppm P-1 in Corn
- Found that needed more P than could safely apply in row
- Applied extra P with planter -

## Phosphate Application March 1



## Raw Data Corn

Application	Bu.	Moisture
In Row	141.45	13
3" Side	132.97	13
None	124.18	13
In Row	135.16	13
3" Side	141.76	13
None	132.97	13
In Row	141.45	13
3" Side	137.36	13
None	132.18	13

## Before Stats

Placement	Yield
In Row	139.35
3" side	137.36
No Phos	129.78

## Corn Stats

avg Yield	<b>138.31</b>	<b>137.37</b>	<b>128.58</b>
confidence	64.99%	98.79%	92.05%
Pval	0.35	0.01	0.08
Trial	In Row	3" Side	None
1	135.16	141.76	132.97
2	141.45	132.97	124.18
3	141.45	137.36	132.18

## Raw Data Milo

Population	Bu.	Moisture
In Row	64.00	13
3" Side	52.17	13
None	50.00	13
In Row	77.27	13
3" Side	81.82	13
None	57.12	13
In Row	40.91	13
3" Side	47.62	13
None	45.00	13

## Before Stats

Placement	Yield
In Row	60.73
3" side	60.54
No Phos	50.71

## Milo Stats

avg Yield	<b>60.73</b>	<b>60.54</b>	<b>50.71</b>
confidence	51.15%	84.14%	84.89%
Pval	0.49	0.16	0.15
Trial	In Row	3" Side	None
1	64.00	52.17	50.00
2	77.27	81.82	57.12
3	40.91	47.62	45.00

## Corn & Milo Combined

avg Yield	100.04	98.95	90.24
confidence	62.20%	97.46%	97.54%
Pval	0.38	0.03	0.02
Trial	In Row	3" Side	None
1	135.16	141.76	132.97
2	141.45	132.97	124.18
3	141.45	137.36	132.18
1	64	52.17	50
2	77.27	81.82	57.12
3	40.91	47.62	45



## Conclusions

- It is worth my time to apply Phosphate in row?
  - Yes
- Will Split Apply
- Would like to look at broadcasting part of P