Presentation to: WATER FOR 2060 ADVISORY COUNCIL

by Fred Fischer Hooker, OK









My boys Ethan and Braden with our new





TECHNOLOGY ON THE FARM

- We don't farm like Grandpa used to.
- IRRIGATED FARMING TECHNOLOGIES
 - Underground Drip
 - Center Pivot Sprinkler
 - GPS integration
 - Variable Rate Technology
 - The Web

UNDERGROUND DRIP TECHNOLOGY











































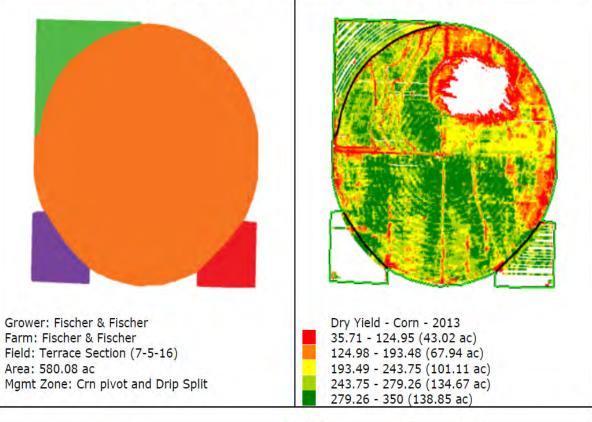




YIELD MAP FROM 1 COMBINE



Corn Yield by Management Zone



	Management Zone		Dry Yiel	d	Avg	Total	
Legend		Avg	Min	Max	Moisture	Bushels	Acres
	4	257.65	35.88	350.00	16.89 %	2,785.76	10.81
	1	254.64	36.59	350.00	18.33 %	6,357.49	24.97
	3	253.96	36.25	350.00	18.48 %	997.14	3.93
	2	231.86	35.71	350.00	22.55 %	103,379.3	1 445.87
	All	233.78	35.71	350.00	19.98 %	113,521.8	8 485.58















WagNet - Views | List View × Grandmas (30809) Version × Murdock (32314) Version ×

← → C https://www.wagnet.net/index.php?content=views&type=list

To create a new group, simply drag a unit to the New Group the unit) press the End key on your keyboard to skip straight

Field Commander Summaries

To create a new group, simply drag a unit to the New Group section at the bottom of list view. If you have a lot of units and do n the unit) press the End key on your keyboard to skip straight to the bottom of the page. 02 / 15 / 2014 59 ▼ Start Date / 2014 00 ▼ 00 ▼ Stop Date 23 ▼ Ger Group 1 Start All Pivots FG FG FO Black cnr Elliot **F**0 Dorothys Beer Serial: 30279 Serial: 33259 Serial: 31326 Serial: 30413 Power: OFF Power: OFF Power: IDLE Power: OFF Dir. IDLE Dir. IDLE Dir. IDLE Dir. IDLE Angle: 358° Angle: 346° Angle: 45° Angle: 147° Speed: 0% Speed: 0% Speed: 0% Speed: 0% Pressure: 0 psi Pressure: 0 psi Pressure: 0 psi Pressure: 217 psi EG Table: Always Off EG Table: Table 1 EG Table: Table 1 EG Table: Table 1

12/20/13 18:01:59 FG Grandmas FG Serial: 30809 Power: OFF Power: ON Dir. REV Dir. IDLE Angle: 354° Angle: 19° Speed: 100% Speed: 0% Pressure: 0 psi EG Table: Table 1 Spd Table: 100 pct 02/15/14 10:43:51 **F**0 Lake FG. Serial: 44207

Spd Table: 100 pct

Power: IDLE

Angle: 115°

Speed: 0%

Pressure: 0 psi

EG Table: Table 1

Spd Table: 100 pct

Dir. IDLE

Pressure: 0 psi
EG Table: Table 1
Spd Table: 1\"

11/28/11 09:11:56

Midway
Serial: 30285

Power: IDLE
Dir. IDLE
Angle: 348°
Speed: 0%
Pressure: 0 psi

EG Table: Table 1

Spd Table: Table 3

Spd Table: 100 pct

02/15/14 10:40:43

Granmas Cnr

Serial: 30857

EG Table: Table 1
Spd Table: 100%

02/15/14 10:19:54

FC Murdock
Serial: 32314

Power: IDLE
Dir: IDLE
Angle: 100°
Speed: 0%
Pressure: 0 psi
EG Table: Table 1

Spd Table: 100 pct

Spd Table: Table 3

Power: IDLE

Angle: 345°

Speed: 0%

Pressure: 0 psi

Dir. IDLE

FG

12/17/13 16:10:44

Gravel Pit

Serial: 42743

4 02/15/14 10:42:59

FC Orvals
Serial: 30524

Power: IDLE
Dir: IDLE
Angle: 5°

F(G)

Speed: 0% Pressure: 9 psi EG Table: Always Off Spd Table: 100 pct

Spd Table: Table 1

Power: IDLE

Dir. IDLE

Angle: 0°

Speed: 0%

Pressure: N/A

EG Table: Table 1

Spd Table: Table 3

01/28/14 09:35:1

Hamilton Cnr

Serial: 44690

https://www.wagnet.net/index.php?content=unitform&serial=42743&noside=&tab=

Google e Landeat, USDA FS in Service Agen

100%

Till

344°

0psi

4.21

Gravel Pit (42743) Version: 29 (AC, Pro, Verizon)

Pivot Info

Command

Command

Start Stop

Serial: 42743 Version: 29 Notes Status: ON/FWD/344/EndGun: OFF Timed Commands Last Reading: 02/15/14 10:19:33 AM Current Cycle: 0 day 0 hr 0 min Complete Revolution Time: 14 hours 20 minutes Remaining Revolution Time: 2 minutes Estimated Acre Inches Applied: 0 in Refresh **Active Commands** Last 2 Commands **Last Note** Sent At Ack

Yes

Yes

Trigger Time

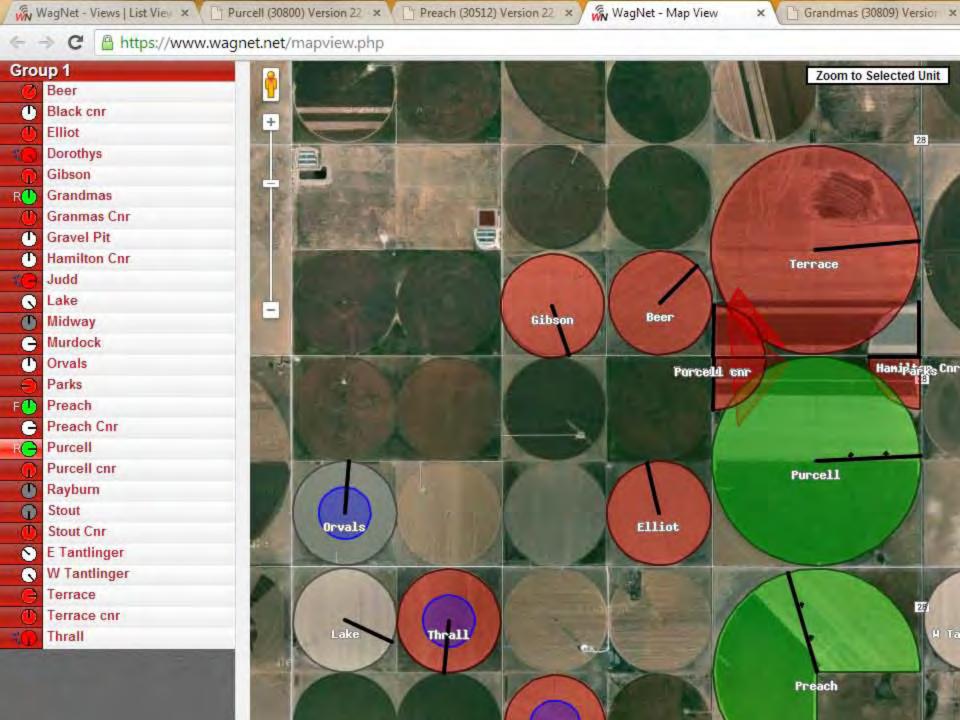
Unit Page Setup Readings | CMD History

Timed Commands

02/15/14 10:19:06

11/14/13 23:23:53





INCINTIVE NEEDS

- NEW EFFICIENT APPLICATION METHODS
 - May include drip, center pivot sprinklers, new nozzle packages and variable rate irrigation
 - —I don't think it would include tailwater recovery systems — sprinklers would be much better use of resources.

INCINTIVE NEEDS

- MONITORING EQUIPMENT
- NEW TECHNOLOGY
- REMEMBER one size does not fit all

WATER SAVING IDEAS

- Genetic Engineering of Varieties to use less water
- Crop Insurance Release
 - -When the crop is failed insurance companies should release the requirement to continue caring (watering) of the crop.
- Install A Hot Water Circulating Pump In Houses
 - —Alleviating the waste of running water till it gets hot.

PLEASE STOP BY FOR AN INFORMATIVE AND EDUCATIONAL TOUR



