

## Wheat Seeding Rate Study – Lee Scheufler



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Kansas Agricultural Research Association

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## Wheat Seeding Rate Study



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## Wheat Seeding Rate Study



### Background:

See 2006 and 2007 presentations at this conference to understand the background and methods used. Today I am only going to update with the information from 2008 harvest.



## Wheat Seeding Rate Study



### Background:

We were only able to have quality data from one field with seeding rates of 800,000, 1,000,000 and 1,200,000 seeds per acre.



Scheufler Farms, Inc : Margaret Scheufler : SW 29 : 2007 : Seeding\_Prod App : Seeding : Wheat (Hrd Rd Wtr) : Seeding Target Rate

### Apex 2.0



legend

Color	Minimum	Maximum
	Less than	68.35
	68.35	76.78
	76.78	86.14
	86.14	or Greater

Units = lb/ac

Rounding Precision

Apply

Reset

[Save as Template](#)  
[Apply to other maps](#)

Change Legend

Use Template

Please select one...

Generate New

Method of Classification

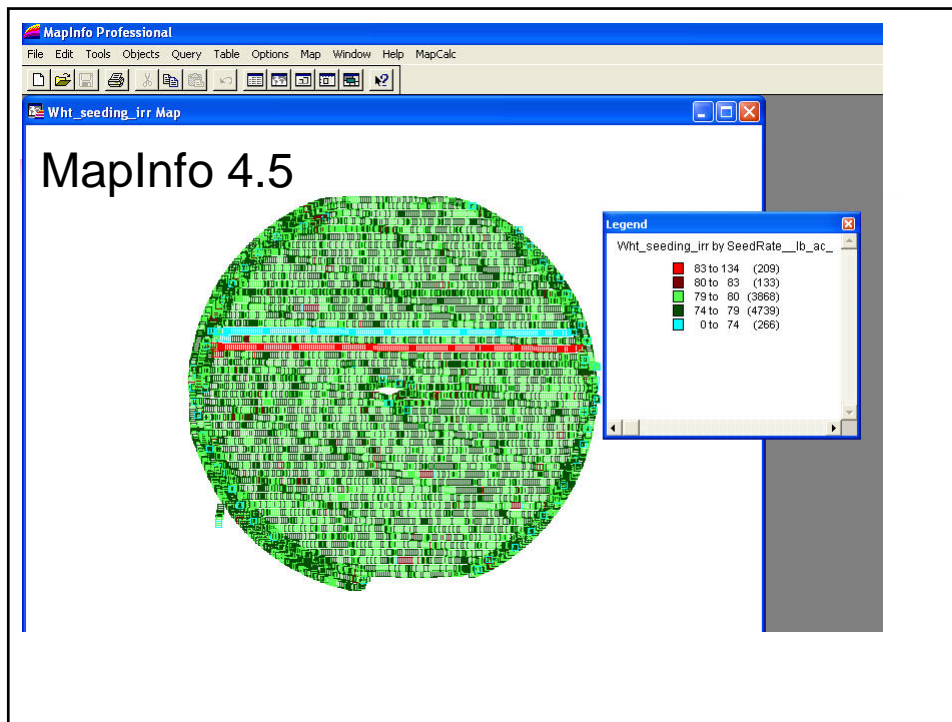
Please select one...

Ranges

6

Color Scheme





## Step 2 – Data Aggregation

We exported the seeding map and yield map from EasiSuite. This was brought into MapInfo. We “cut out” the area we were interested in, then aggregated the data into a yield by strip for a header that was within a seeding rate.

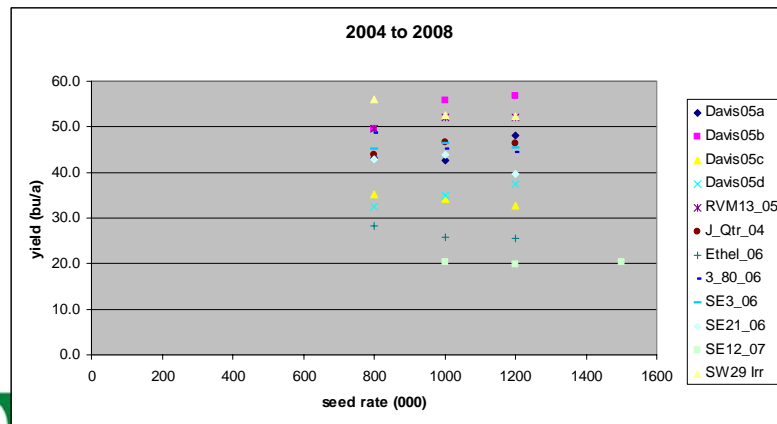



## Step 3 – Data Analysis

All of this effort only got us into a position to begin to analyze the data.




## All data






### Wheat Seeding Rate Study '04-'07

<u>Year</u>	<u>800</u>	<u>1000</u>	<u>1200</u>	<u>1500</u>
2004	43.9	46.55	46.33	
2005	42.0	43.93	45.37	
2006	41.2	40.34	38.76	
2007		20.28	19.78	20.4
2008	56.2	52.53	52.26	
Mean of 11	43.2	43.6	43.7	
Mean of 12		41.70	41.69	



### Wheat Seeding Rate Study



## Conclusions 2008:

We evaluated the data before planting the 2009 crop and chose to use 1,000,000 for the base rate on everything. We adjusted the rate upward ½ % per day after October 7, 2008 (Fly Free Date is October 5).

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# Questions and Discussion

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## Wheat Seeding Rate Study



# Thank You!!

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Thanks to KARA for partial funding for this project.

Special thanks to Margaret & Dan!!

