

2013 POSEY COUNTY SOYBEAN TEST PLOT RESULTS
RR READY SOYBEAN VARIETIES

(SORTED BY YIELD)

COMPANY NAME	VARIETY NUMBER	AVG. YIELD	AVG. % MOIST.	LODGING SCORE	
PIONEER	P46T21R	100.0	*	15.7	1.75
STEWART SEED	4714R2	99.9	*	15.5	1.75
STINE SEED	48RD00	94.9	*	15.7	2.50
DYNA GRO	38RY45	93.7	*	15.4	1.75
CHANNEL LLC	4306 R2/STS	93.7	*	16.9	3.00
SYNGENTA	NK 41-J6	93.0	*	17.2	2.75
MYCOGEN	5N451R2	92.2	*	16.1	3.25
BAKER SEED	3732NRR	91.8	*	16.0	2.00
CHANNEL LLC	4500 R2/STS	89.7	*	16.1	2.75
GREAT LAKES HYBRIDS	GL4039R2	89.6	*	15.3	2.50
STINE SEED	37RD22	88.6		15.1	2.25
Population Study	200 K seeding rate	88.4		16.1	2.50
PIONEER	94Y23	88.2		15.3	2.00
BECK'S HYBRIDS	432NR	88.1		16.2	2.75
SEED CONSULTANTS	SCS9421RR™	88.0		16.3	3.25
LG SEEDS	C3989R2	87.4		16.5	4.25
MYCOGEN	5N393R2	87.1		15.8	2.50
ASGROW	AG 4033	86.8		14.8	2.25
STEWART SEED	3814R2	86.3		15.8	3.25
LG SEEDS	C4340R2	86.1		16.0	1.75
GREAT LAKES HYBRIDS	GL3729R2	85.8		16.1	3.50
GREAT LAKES HYBRIDS	GL4209R2	85.6		14.9	2.00
DAIRYLAND SEED	DSR4633R2Y	85.2		16.4	3.50
DYNA GRO	39RY43	84.2		16.3	3.25
ASGROW	AG 4232	84.2		15.6	3.50
POWER PLUS (Burrus Seec	36J3	84.1		17.0	3.25
DAIRYLAND SEED	DSR 4330	84.0		16.0	2.75
BECK'S HYBRIDS	444NR	83.8		16.7	4.00
SYNGENTA	NK 45-V8	82.7		15.5	3.00
CROPLAN	R2C4391 (SAID RC25-532	82.5		16.0	3.00
STEYER SEEDS	3703R2	82.1		16.2	2.75
LG SEEDS	C4544R2	81.7		16.3	3.00
SEED CONSULTANTS	SCS9412RR™	81.6		15.8	3.25
CHANNEL LLC	3701 R2	81.4		16.4	2.50
POWER PLUS (Burrus Seec	38D2	81.4		16.9	3.00
DAIRYLAND SEED	DSR4010	81.2		16.5	4.25
Population Study	100 K seeding rate	80.1		15.7	3.25
PIONEER	93Y84	79.7		15.5	1.75
MYCOGEN	5N431R2	79.6		16.4	3.25
BAKER SEED	4532NRR	79.0		16.0	3.00
BAKER SEED	4322NRR	78.2		16.4	3.25
STEYER SEEDS	4401R2	78.0		16.1	2.50
CROPLAN	R2C3822	77.8		17.0	4.00
SYNGENTA	NK 43-K1	77.8		16.9	4.50
STEYER SEEDS	4203R2	77.7		16.2	2.75
Population Study	240 K seeding rate	77.3		16.4	2.75
CROPLAN	R2C3992	76.8		16.6	3.00
STEWART SEED	4212R2	76.4		16.4	3.00
ASGROW	AG 3832	75.3		16.4	3.00
BECK'S HYBRIDS	391R4	74.8		15.7	3.00
DYNA GRO	S39RY33	73.8		17.1	3.25
SEED CONSULTANTS	SCS9392RR™	73.0		17.5	4.25
STINE SEED	42RD02	71.5		16.1	2.75
POWER PLUS (Burrus Seec	37F4	71.0		16.1	3.25
Population Study	60 K seeding rate	69.4		15.8	3.25

LSD for YIELD is 10.7

Any pairwise comparison is appropriate.

YIELD followed by an asterisk (*) is not significantly different from the highest

Average yield for the plot is 83.5 bu/acre

Average moisture for the plot is 16.1%

LSD is "Least Significant Difference"

Lodging Score is based on a visual assessment from 1 (standing) to 5 (flat). The score listed is an average of the 4 reps of each variety.

Stine 37RD22 was used for the population study. Only the 60K rate was significantly different than the other planting rates.

PLOT INFORMATION

Planted: June 12, 2013

Planting Population: 140,000

Harvested: October 28, 2013

4 replications of each variety

Thanks to Marvin and Ruth Redman for allowing us to plant the soybean plots on their farm.

Bolded hybrids were also in 2012 Plot

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2013 PURDUE EXTENSION, POSEY COUNTY SOYBEAN PLOTS

For more information about the plots, contact: Jon Neufelder, Extension Educator Posey County (see contact information below).

Special "thanks" to Marvin and Ruth Redman in Posey County for being the cooperators for the corn and soybean test plots for the past 41 years, as well as, for all the help they give to make the plots and the field days a success!

Also want to thank Dr. Charles Mansfield, Agronomist with Purdue University at the Vincennes University campus, for his help with planting, harvesting and analyzing the plot results. Thanks for my Extension Educator co-workers: Hans Schmitz, Maria Restrepo, Amanda Mosiman and Nick Held for help with planting and processing the samples.

Thanks to the following companies and representatives for providing the seed and plot fees used to conduct the Corn hybrid trials in Gibson and Posey County. Below are the seed company representatives and their contact information:

<u>SEED COMPANY</u>	<u>NAME</u>	<u>PHONE #</u>	<u>SEED COMPANY</u>	<u>NAME</u>	<u>PHONE #</u>
Asgrow	Matt Parmer	(812) 202-1807	Hoblit brand seed	Matt Montgomery	(309) 657-0328
Baker Seed	Mike Baker	(812) 456-8851	Mycogen Seeds	Ellen Adler	(812) 453-9796
Beck's Hybrids	Kurt Karch	(812) 483-4635	Pioneer Hybrids	Andy Eisterhold	(812) 459-6840
Channel Seeds	Taylor Shipp	(615) 351-4438	Power Plus Seed	Matt Montgomery	(309) 657-0328
Croplan Genetics	Jediah French	(812) 608-1380	Seed Consultants, Inc.	Bill Mullen	(740) 505-2022
Dairyland Seed	Tom Forrest	(309) 530-3983	Stewart Seeds	Jim Durholz	(812) 453-1766
Dyna Gro (CPS)	Kevin Adams	(765) 760-9390	Steyer Seeds	Tom Jones	(419) 355-6708
Great Lakes Hybrids	Phil Brunner	(317) 440-0572	Stine Seed Company	Kyle Ross	(270) 993-4590
LG Seeds	Dan Mitchell	(812) 457-3132	Syngenta Seed	Tawny Chesser	(812) 486-6939

Understanding the LSD (Least Significant Difference)

The least significant difference (LSD) listed for the data should be used to determine if the difference between varieties/hybrids is due to performance differences or random chance. The plot data was calculated and analyzed with alpha set to 0.20. This means that if the difference in yield between two varieties/hybrids were equal to or greater than the listed LSD, there is only a 20% chance that the yield difference is due to random chance and not due to differences in the yield capacity of the individual varieties or hybrids. Or stated another way, the difference would likely be due to variety/hybrid differences in 8 out of 10 instances (80%) when the two are evaluated under conditions like those of the test. Therefore, a difference in yield between any two varieties or hybrids which is less than the listed LSD is likely due to chance. That's why the top performing varieties/hybrids that are likely different due to random chance are marked with an asterisk(*), meaning they are not significantly different from each other, even though their average yield in this plot is different.

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