

## 2020 PURDUE EXTENSION GIBSON COUNTY SOYBEAN PLOTS

For more information about the plots, contact: Hans Schmitz, Extension Educator Posey County, or Nick Held, Extension Educator Spencer County (*see contact information below*).

Thank you to Corteva for their willingness to host the plots this year.

Thanks to the following companies and representatives for providing the seed and plot fees used to conduct the Soybean yield trials in 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>
AgriGold Hybrids	Matt Michel	(812) 632-0379	Beck's Hybrids	Kurt Karch	(812) 483-4635
DKD Genetics	Dan Dorney	(812) 249-3225	Dyna-Gro	Kyle Ross	(270) 231-3858
Baker Seed	Debbie Baker	(812) 456-8852	Golden Harvest (Syngenta)	Tawny Chesser	(812) 486-6939
BASF	Shawn Beavers	(919) 314-7268	Corteva-Pioneer	Emily Seib	(812) 202-5677
LG	Jacob Kibbins	(270) 903-9875	ProHarvest	Tom Forrest	(309) 530-3983
NuTech	Barrett Ranes	(270) 635-5185	Stewart Seeds	Brian Denning	(812) 455-7346

2020

The 2020 Posey County Soybean plot was planted and harvested by Corteva using their equipment. During the course of the season, some water damage was observed and harvest errors occurred. Four varieties' data were lost as a result in each of the plots. Wherein two of three replicates supplied good data, we were able to use PROC GLM to estimate the value of the third replicate.

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**2020 GIBSON COUNTY SOYBEAN TEST PLOT RESULTS**

**XTEND SOYBEAN VARIETIES**

*(SORTED BY YIELD)*

COMPANY	VARIETY	YIELD	
DYNA GRO	S37XS89	82.37 *	LSD for YIELD is 5.07 bushels @ alpha .05; Coefficient of variation: 4.28 Any pairwise comparison is appropriate.
BECK'S HYBRIDS	4119X2	75.97	
DYNA GRO	S38XS21	75.77	YIELD followed by an asterisk (*) is not significantly different from the highest
LG	LGS3777RS	74.37	
GOLDEN HARVEST	GH4307X	74.33	LSD is "Least Significant Difference"
LG	C4227RX	73.23	
AGRI GOLD HYBRIDS	G3850RX	72.67	<b><u>PLOT INFORMATION</u></b>
BAKER SEED	4282NRXSTS	72.03	
DYNA GRO	S41XS98	71.70	Planted: May 12, 2020
AGRI GOLD HYBRIDS	G3520RX	71.40	
GOLDEN HARVEST	GH3934X	71.27	Planting Population: 180,000
BAKER SEED	3782NRXSTS	70.93	
BECK'S HYBRIDS	3559X2	70.07	Row Width: 30"
BECK'S HYBRIDS	3789X2	69.67	
PIONEER	P36A83X	68.27	Harvested: October 16, 2020
LG	C3600RX	67.37	
GOLDEN HARVEST	GH3728X	66.90	3 replications per variety
AGRI GOLD HYBRIDS	G3722RX	66.37	
PIONEER	P42A96X	64.60	

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Thanks to Corteva for their willingness to plant and harvest  
the plot this year.

2020 POSEY COUNTY SOYBEAN TEST PLOT RESULTS

LIBERTY/ENLIST SOYBEAN VARIETIES

(SORTED BY YIELD)

COMPANY NAME	VARIETY NUMBER	AVG. YIELD	
Golden Harvest	3922E3	77.67 *	LSD for YIELD is 6.79 bushels @ alpha .05; Coefficient of variation: 5.70 Any pairwise comparison is appropriate.
Golden Harvest	3582E3	77.13 *	
DKD GENETICS	PB3820E3	75.00 *	YIELD followed by an asterisk (*) is not significantly different from the highest
BECK'S HYBRIDS	3910E3	74.00 *	
NuTech	39N04	73.03 *	LSD is "Least Significant Difference"
DYNA GRO	S36ES70	72.3 *	
BECK'S HYBRIDS	3510E3	72.00 *	Planted: May 12, 2020
PIONEER	P41T07E	71.50 *	
DKD GENETICS	PB3419E3	71.43 *	Planting Population: 180,000
BASF	CZ 3750 GTLL	71.30 *	
BECK'S HYBRIDS	4310E3	70.67	Row Width: 30"
NuTech	41N03E	70.4	
PROHARVEST	38E18	69.80	Harvested: October 16, 2020
PROHARVEST	42E12	68.6	
Golden Harvest	3759E3	66.8	
DYNA GRO	S41ES80	60.0	

3 replicates per variety

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