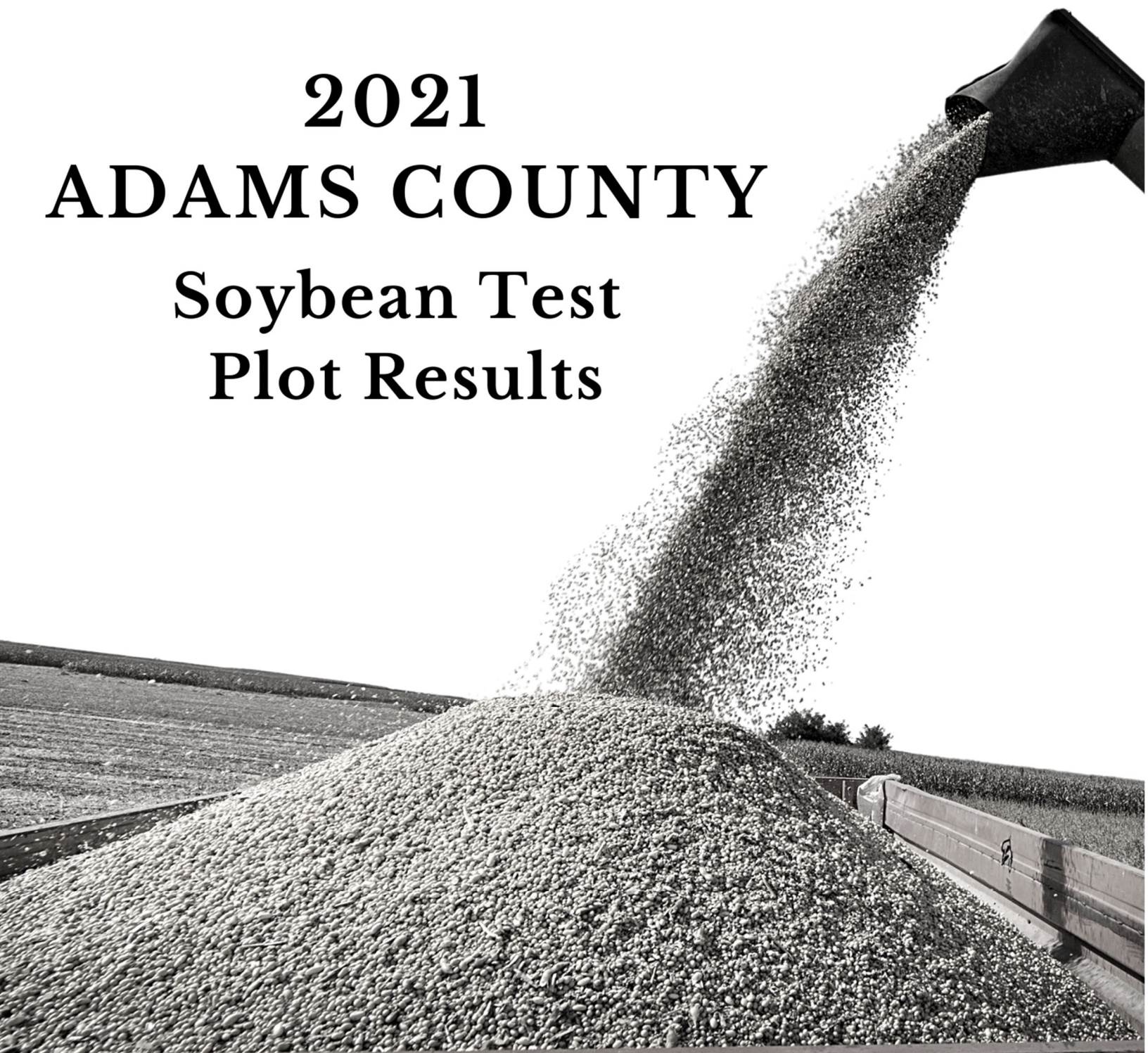


2021 ADAMS COUNTY Soybean Test Plot Results



Sponsored by: Adams County Crops Committee
and the ANR Advisory Board

Also available at: www.extension.purdue.edu/adams

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2021 Yield Performance and Weather

Climate change continues to be the buzz word. And, our weather this year was again unusual and interesting. Most of the state had an early spring, but we remained a little on the wet side and really didn't plant until mid-May this year. However, it seemed to be ideal growing conditions once things got planted and soybeans had good growth during the summer for once. The rainfall data will show that we did get some rains throughout the summer. But, it really started getting hot and dry in August through September. Felt our soybean crop had some of the best potential ever as it got off to a wonderful start. And, the yields are still great this year, but there were some differences. Feel it depended on the timing and amounts of late rains, and there is some differences on what the cooperators put on the soybeans such as fungicides.

The Adams County Crops Committee strives to adapt the soybean plots to answer the trends in the seed market. This year, there were 3 different Variety Trials which were split into 3 maturity groups which included different technologies: Roundup, Xtend, GT, Enlist.

MATURITY 2.8 TO 3.1	7 VARIETIES	3 DIFFERENT LOCATIONS
MATURITY 3.3 TO 3.5	7 VARIETIES	3 DIFFERENT LOCATIONS
MATURITY 3.5 TO 3.9	7 VARIETIES	3 DIFFERENT LOCATIONS

Thank You

The Adams County Extension Service wants to thank all the agricultural cooperators for their quality work on the plots. Each year they help collect valuable yield data that is used to make variety selection decisions. Also, thanks to all the seed dealers for their resources. A special thanks to Chairman, Klint Moser and Treasurer, Randy Roe for their time and leadership on behalf of the Crops Committee.

Materials and Methods

Up to 3 varieties were accepted from each seed company of their choice. All entrants paid an entry fee, which assists with annual scholarships for students going into the college of agriculture. The seed was used as delivered and were randomly planted in each plot. All varieties were treated. The 3 variety trials were treated as 'roundups' and were not to be sprayed with any Xtend or Enlist or GT technology herbicides.






Experimental units were planted and harvested by farmer/cooperators using their equipment. The Adams County Cooperative Extension Service obtained gross weight and moisture data.

Agriculturally Yours,



Brad Kohlhausen
Adams County Agriculture and Natural Resource Extension Educator

RAINFALL DATA

Preble	Root	<div> <div> RICHARD MARBACH May 2.0 June 2.8 July 2.5 Aug 2.2 Sept. <u>4.3</u> Total 13.8 </div>  </div>
Kirkland	Washington	<div> <div> RANDY ROE May 2.85 June 2.8 July 6.5 Aug. 2.5 Sept. <u>4.2</u> Total 18.85 </div>  </div>
French	Monroe	<div> <div> LEHMAN FEED MILL May 4.60 June 4.85 July 5.75 Aug. 4.40 Sept. <u>4.25</u> Total 26.80 </div>  </div> <div> <div> JEFF LEHMAN May 4.50 June 4.55 July 6.20 Aug. 6.10 Sept. <u>4.55</u> Total 29.60 </div>  </div>
		<div> <div> BRAD KOHLHAGEN May 3.95 June 3.91 July 5.26 Aug. 3.38 Sept. <u>3.64</u> Total 20.14 </div>  </div>
Hartford	Wabash	Jefferson

PLOT LOCATIONS








Preble	Root	Union Richard Marbach ★
Kirkland Ralph & Ron Aschliman ★	Washington	St. Mary's Dan Roe ★
French ★ Klint & Kurt Moser	Monroe ★ Tim Frock ★ Justin White	Blue Creek Andrew Schaefer ★
Hartford	Wabash Tim Tonner ★	Jefferson

2021 ADAMS COUNTY PLOT COOPERATORS

	Ralph & Ron Aschliman 5565 W 200 N Decatur, IN. 46733	Tim Frock 2238 S 500 E Monroe, IN. 46772
Richard Marbach 7620 N 600 E Decatur, IN. 46733	Klint & Kurt Moser 405 S 500 W Decatur, IN. 46733	Dan Roe 358 N 650 E Decatur, IN. 46733
Andrew Schaefer 2510 S 650 E Monroe, IN. 46772	Tim Tonner 4984 W 100 S-1 Bluffton, IN. 46714	Justin White 1287 S 500 E Monroe, IN. 46772

ADAMS COUNTY EXTENSION CROPS COMMITTEE/ANR ADVISORY BOARD

Klint Moser, Chair	Mike Jones	Kurt Moser
Randy Roe, Treasurer	Dan Kaminsky	Steve Redelman
Brad Abnet	Brad Kohlhausen	Richard Rhoades
Dan Abnet	Gene Kuhn	Dan Roe
Ralph Aschliman	Kurt Kuhn	Andrew Schaefer
Ron Aschliman	Adam Lehman	Lynn Selking
Katie Bluhm	Jeff Lehman	Nate Selking
Paul Bluhm	Nathan Lehman	Jason Shuck
Corey Bulmahn	Patrick Lehman	Tim Tonner
Dennis Caffee	Gregg Liechty	Gene Witte
Tim Frock	Richard Marbach	Justin White
Elliot Gehres	Scott Marbach	Jeff Yoder
Todd Gehres	Brian Mitchem	

Soybean Seed Company Representatives		Variety Numbers	
Asgrow			
Bill Stoller 5920 W 100 S Decatur, IN. 46733 (260) 437-6593 stollerb@helenaagri.com	Local Providers: Helena Agri—Craigville, Micah Borne Helena Agri— Berne	30XF0 35XF1 38XF1	
Beck's Hybrids			
Tyler Downing 6767 E 276 th Street Atlanta, IN. 46031 (317) 517-9268 tyler.downing@beckshybrids.com	Local Providers: Corey Bulmahn, Decatur John Frank, Decatur Lehman Feed Mill, Berne	2885XF 3546FP 3555XF	
Dairyland Seed Company			
Bob Purlee 4314 Huntley Court Fort Wayne, IN 46814 Cell:260-414-2301 bpurlee@dairylandseed.com	Local Provider: Dan Abnet, Berne Isch Seeds/Blare Gerber, Bluffton	3177E 3365E 3587E	
LG Seeds			
Kyle Malcolm 4076 E 600 N Churubusco, IN 46723 (260) 908-4290 kyle.malcolm@lgseeds.com	Local Providers: Charlie Muhlenkamp, Bryant	2830XF 3016XF 3572XF	
Innvictis Seed Solutions			
Jeff Prickett 1522 S. 000 Road Monroe, IN. 46772 (260) 692-1492 jeff.prickett@simplot.com	Local Providers: Simplot Grower Solutions, Monroe	B3449E B3749E B3880E	
Pioneer—A DuPont Company			
Traci Bultemeier (260) 414-3206 traci.bultemeier@pioneer.com	Local Providers: Mike Brown/Brown Seeds LLC, Decatur Nidlinger Farms, Decatur Chris Steele/Steele Farms, Decatur	P30A46PR P34A59PR P37T51PR	
Stine Seed Company			
Jody Nusbaumer 0364 W. 1000 S. Keystone, IN. 46759 (765) 348-7786 jlnusbaumer@stineisr.com	Local Providers: Helena Agri Bill Stoller	31EB02 34EA12 39EB20	

2.8 TO 3.1 MATURITY YIELD RESULTS (DRY BU/A)

Company	Variety	Maturity	Frock	Marbach	Roe	Average
Pioneer	P30A46PR	3.0	71.8	86.0	59.5	72.4
Stine	31EB02	3.1	70.6	85.7	59.8	72.0
LG Seeds	3016XF	3.0	68.3	88.2	55.1	70.5
Dairyland	3177E	3.1	63.2	86.0	54.6	67.9
LG Seeds	2830XF	2.8	61.1	82.5	58.8	67.5
Asgrow	30XF0	3.0	68.7	76.6	56.8	67.4
Becks	2885XF	2.8	64.4	80.1	52.6	65.7
AVERAGE			66.9	83.6	56.7	69.1

Tim Frock

Previous Crop: Soybeans

Planting Date: May 31

Herbicides: Pre—Valor XL; Post—Roundup Max

Plot Size: .293 of an acre

Harvest Date: November 6

Tillage: No-till

Row Width: 7.5"



Richard Marbach

Previous Crop: Corn

Planting Date: May 21

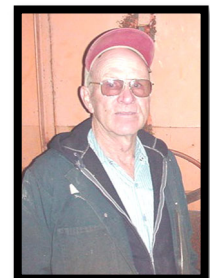
Herbicides: Pre—Gramoxone, Metribuzin, Valor XLT, Super BHC Post—Roundup Power Max, Classact Fex HG Fungicides: Miravise, Grizzly, Masterlock

Plot Size: .314 of an acre

Harvest Date: October 13

Tillage: No-till

Row Width: 15"



Dan Roe

Previous Crop: Forage

Planting Date: June 16

Herbicides: Roundup, Dual Fungicide: Quilt Foliar feed of 10-4-3

Plot Size: .159 of an acre

Harvest Date: October 18

Tillage: No-till

Row Width: 15"



3.3 TO 3.5 MATURITY
YIELD RESULTS (DRY BU/A)

Company	Variety	Maturity	Aschliman	Schaefer	White	Average
LG Seeds	3572XF	3.5	66.8	83.0	61.5	70.4
Asgrow	35XF1	3.5	67.5	72.0	64.5	68.0
Dairyland	3365E	3.3	68.3	72.2	61.2	67.2
Pioneer	P34A59PR	3.4	71.1	67.2	57.4	65.3
Mission	B3449E	3.4	59.2	72.0	64.4	65.2
Becks	3546FP	3.5	59.4	75.5	59.4	64.8
Stine	34EA12	3.4	60.9	69.2	60.2	63.4
AVERAGE			64.7	73.2	61.2	66.3

Ralph & Ron Aschliman

Previous Crop: Corn

Tillage: Minimum till

Planting Date: May 24

Row Width: 15"

Herbicides: Pre—Canopy DG, Sharpen, Firezone, PowerMax, Request;
Post—PowerMax, Request, ENC

Plot Size: .511 of an acre

Harvest Date: October 1



Andrew Schaefer

Previous Crop: Wheat

Tillage: Plow in fall, spring tillage

Planting Date: May 24

Row Width: 15"

Herbicides: Roundup Powermax, Select Max, AM Sulfate, Flexstar & Fungicide

Plot Size: .513 of an acre

Harvest Date: October 11



Justin White

Previous Crop: Soybeans

Tillage: No-till

Planting Date: May 31

Row Width: 7.5"

Herbicides: Pre—Valor XL; Post—Roundup Max

Plot Size: .269 of an acre

Harvest Date: November 6



**3.5 TO 3.9 MATURITY
YIELD RESULTS (DRY BU/A)**

Company	Variety	Maturity	Moser	Tonner	White	Average
Pioneer	P37T51PR	3.7	85.1	64.6	61.2	70.3
Becks	3555XF	3.6	85.2	62.8	61.8	69.9
Stine	39EB20	3.9	80.9	68.6	57.5	69.0
Dairyland	3587E	3.5	79.6	65.6	61.3	68.8
Mission	B3749E	3.7	79.3	64.1	59.4	67.6
Asgrow	38XF1	3.8	79.5	64.7	55.8	66.7
Mission	B3880E	3.8	78.4	65.9	54.9	66.4
AVERAGE			81.2	65.2	58.8	68.4

Klint & Kurt Moser

Previous Crop: Corn

Tillage: Vertical

Planting Date: May 20

Row Width: 15"

Herbicides: Burndown 4/27—Roundup 32oz, Antares 4oz, Metribuzin 6oz, Weed Rhap 12oz, Fire zone 1 gal/100 gal water; 7/15 — Showdown 1qt/A, Sinister 10oz, Request 2qt/100gal water, ENC 2qt, Axilo Mn 3/4lb, Megafol 16oz, Tap out 8oz; 8/5— Coron 2qt, Viathon 1qt, Lambda 1.6oz, Utilize 8oz, A frame 5oz, Cidewinder 1pt/100 gal water

Plot Size: .479 of an acre

Harvest Date: October 22



Tim Tonner

Previous Crop: Corn

Tillage: No-till

Planting Date: June 2

Row Width: 15"

Herbicides: Pre— Roundup, Sharpen, Zidua SC; Post — Roundup, Outlook

Plot Size: .537 of an acre

Harvest Date: October 20



Justin White

Previous Crop: Soybeans

Tillage: No-till

Planting Date: May 31

Row Width: 7.5"

Herbicides: Pre—Valor XL; Post—Roundup Max

Plot Size: .269 of an acre

Harvest Date: November 6



Adams County 2021 Wheat Trials

Conducted by the Purdue University Cooperative Extension Service
in cooperation with the Adams County Crops Committee



Extra copies can be found at: www.extension.purdue.edu/adams

Cooperator: Paul Bluhm
Location: 2022 W 700 S., (Berne, IN)
Planting date: 10/3/20
Previous crop: Soybeans
Tillage: No-till
Length of plot: 300 feet
Pounds/Acre: 180
Depth: 1 1/4 inches
Fertilizer/Herbicides: Fall: 100#/A potash, 100#/A MAP, 50#/A AMS, 25#/A Urea; Spring: 30/gal 28-0-0-2;
Fungicides: Caramba (full rate), Novus K 1gal/A, Ravage
Harvest date: 7/15/21
Average yield: 100.9 bushel/acre

Variety	Moisture	Test Weight	Yield
Irrer Seeds 6771	14.5	58.0	110.6
Becks 726	13.8	56.5	107.5
Ebberts 903	14.3	58.0	103.3
Pioneer 25R61	14.2	56.6	101.4
Max Crop 704	14.6	58.9	100.6
Irrer Seeds -Whitetail	14.9	55.9	99.8
Ebberts 952	14.5	56.0	98.7
Pioneer 25R40	14.1	57.0	98.4
Becks 727	14.3	57.4	96.9
Max Crop 806	14.7	57.2	96.9
Pioneer 25R74	14.3	56.3	96.1

Variety	Moisture	Test Weight	Yield
Max Crop 704	13.4	60.1	102.9
Irrer Seeds -Whitetail	12.7	57.2	101.7
Pioneer 25R40	12.9	60.0	101.4
Pioneer 25R61	12.8	59.0	100.9
Ebberts 952	12.7	58.8	99.6
Irrer Seeds 6771	13.1	59.8	99.2
Becks 726	12.6	57.9	99.1
Pioneer 25R74	12.5	58.7	98.5
Ebberts 903	13.0	59.7	95.9
Max Crop 806	12.6	59.5	95.7
Becks 727	12.5	59.7	94.4






Cooperator: Tim Frock
Location: West side 500 E., south of 200 S. (Monroe, IN)
Planting date: 10/3/20
Previous crop: Soybeans
Tillage: No-till
Length of plot: 215 feet
Pounds/Acre: 180
Depth: 1 1/4 inches
Fertilizer/Herbicides: 350# of 10-20-26 in fall;
 300# of urea in spring
Harvest date: 7/5/21
Average yield: 99.0 bushel/acre

Variety	Moisture	Test Weight	Yield
Irrer Seeds -Whitetail	13.0	58.5	125.1
Max Crop 704	13.6	60.5	123.8
Pioneer 25R61	13.1	60.2	118.2
Irrer Seeds 6771	13.9	59.9	114.9
Ebberts 952	13.6	59.9	114.5
Pioneer 25R40	13.5	60.4	112.3
Becks 727	13.3	60.5	109.5
Ebberts 903	13.3	60.5	108.5
Becks 726	12.7	59.4	105.4
Pioneer 25R74	12.5	59.9	105.2
Max Crop 806	12.7	60.5	104.0

Cooperator: Dan Roe
Location: West side of 650 E; just north of 124 (Decatur IN)
Planting date: 10/10/20
Previous crop: Soybeans
Tillage: No-till
Length of plot: 342 feet
Pounds/Acre: 160
Depth: 1 1/4 depth
Fertilizer/Herbicides: 325# of 10-20-26-3S in fall; 4/6/21 - 28% at 32gal/acre & ammonium thiosulfate at 4 gal/acre; 5/27/21 fungicide Miravis Ace & Grizzly (Warrior)
Harvest date: 7/4/21
Average yield: 112.8 bushel/acre

Thanks to the seed companies and cooperators participation in this program. The Crops Committee plans to continue the wheat program every other year as in the past. Appreciate the Paul Bluhm, Tim Frock and Dan Roe families for their efforts in this year's wheat plot.
 —Brad Kohlhaugen, Adams County ANR Extension Educator (260) 724-5322 or bkohlhag@purdue.edu

Wheat Seed Companies and Suppliers

Plot Seed Companies	Variety Numbers
Beck's Hybrids Tyler Downing 6767 E 276th Street Atlanta, IN. 46031 (317) 517-9268 tyler.downing@beckshybrids.com <u>Local Suppliers:</u> <i>Corey Bulmahn, Decatur</i> <i>John Frank, Decatur</i> <i>Lehman Feed Mill, Berne</i>	Becks 726 Becks 727 
Ebberts Seed Matt Fuelling 2780 Patterson Street Decatur, IN. 46733 (260) 728-2007 matt@ebbertsseeds.com <u>Local Supplier:</u> <i>Ebberts Seed & Chemical, Decatur</i>	Ebberts 903 Ebberts 952 
Irrer Seed Jeff Prickett 1522 S 000 Road Monroe, IN. 46772 (260) 692-1492 jeff.prickett@simplot.com <u>Local Supplier:</u> <i>Simplot Grower Solutions, Monroe</i>	Irrer 6771 Irrer—Whitetail 
Max Crop Blare Gerber 4107 W 100 S-1 Bluffton, IN. 46714 (260) 565-3564 ischseeds@adamswells.com <u>Local Supplier:</u> <i>Isch Seeds, LLC, Bluffton</i>	Max Crop 704 Max Crop 806 
Pioneer—A DuPont Company Traci Bultemeier (260) 414-3206 traci.bultemeier@pioneer.com <u>Local Suppliers:</u> <i>Chris Steele/Steele Seeds Inc., Decatur</i> <i>Mike Brown/Johnloz Seeds, Decatur</i> <i>Nidlinger Farms, Decatur</i>	Pioneer 25R40 Pioneer 25R61 Pioneer 25R74 

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- Educational linkage between community and Indiana agriculture
- A resource for farm and non-farm clientele in lawn and garden questions and pest identification and management.
- An educational campaign focusing on current issues of interest in the community
- Exploring new partnerships within the community to benefit farm and non-farm clientele
- Disseminating information within the community on current agriculture & natural resource issues
- Cooperative programming with other community agriculture businesses
- Assisting individuals in the proper use of pesticides and environmentally safe measures
- Providing resources and assistance in farm management and financial decisions

All Varieties — Average Yield	
2000	49.1
2001	57.5
2002	42.2
2003	36.5
2004	59.5
2005	42.6
2006	55.1
2007	58.5
2008	42.5
2009	57.1
2010	51.4
2011	58.9
2012	60.6
2013	63.3
2014	68.8
2015 *	52.2
2016	68.5
2017	61.9
2018	73.9
2019	56.1
2020	71.1
2021	67.9

* = Extremely wet year

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