

2023 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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2023 Yield Performance and Weather

Adams County weather again made for an interesting year. Didn't have the moisture in the spring like past years, but it remained cool. Finally got the soybeans planted in May and then June came very similar to last year. June was extremely hot with very little moisture. Soybeans seem to be slow growing until we got more rain in July. As usual, it would have been nice to have more rain in August and even September. Some cooperators do put on fall manure which assist in yields. Yields probably were better than expected in speaking with the producers, considering the Canadian wildfire smoke we experienced and especially that lack of rainfall in June with such a slow start.

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; as long as they have Liberty as the common trait to assist with fighting weed pressure besides just using Roundup as in the past plot programs.

MATURITY 2.8 TO 3.1	8 VARIETIES	3 DIFFERENT LOCATIONS
MATURITY 3.1 TO 3.4	8 VARIETIES	3 DIFFERENT LOCATIONS
MATURITY 3.5 TO 4.0	8 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 needed the Liberty common trait so cooperators could use better herbicides to fight weed pressure.

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 Kohlhagen

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Adams County Agriculture and Natural Resource Extension Educator



RAINFALL DATA

Preble	Root	RICHARD MARBACH May 2.5 June 1.0 July 6.0 Aug 0.5 Sept. 2.5 Total 12.5
Kirkland	Washington	St. Mary's RANDY ROE May 2.9 June 3.2 July 7.6 Aug. 2.8 Sept. 0.6 Total 17.1
French	LEHMAN FEED MILL May 2.20 June 3.50 Light 4.60	Blue Creek JEFF LEHMAN Iay 1.75 Ine 3.55 Idy 5.30 Iug. 3.15 Ippt. 1.40 Iotal 15.15 BRAD KOHLHAGEN May 1.35 June 2.18 July 4.28 Aug. 2.37 Sept. 1.05 Total 11.23
Hartford	Wabash	Jefferson



PLOT LOCATIONS

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

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2023 ADAMS COUNTY PLOT COOPERATORS

Ron Aschliman	Tim Frock	Richard Marbach
5565 W 200 N	2238 S 500 E	7620 N 600 E
Decatur, IN. 46733	Monroe, IN. 46772	Decatur, IN. 46733
Klint & Kurt Moser	Dan Roe	Andrew Schaefer
405 S 500 W	358 N 650 E	2510 S 650 E
Decatur, IN. 46733	Decatur, IN. 46733	Monroe, IN. 46772
Tim Tonner	Issac & Zach Whitacre	Justin White
4984 W 100 S-1	2626 E. 350 S.	4900 E. 200 S.
Bluffton, IN. 46714	Monroe, IN. 46772	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 Kohlhagen	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	Tim Tonner
Corey Bulmahn	Patrick Lehman	Gene Witte
Dennis Caffee	Gregg Liechty	Justin White
Tim Frock	Richard Marbach	Jeff Yoder
Elliot Gehres	Scott Marbach	
Todd Gehres	Brian Mitchem	

2023 Soybean Seed Co	Va	ariety Numbers	
Asgrow	1 7 1		,
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	33XF3 35XF1 40XF1	ASGROW _®
BASF (Xitavo)			
Cole Mize (260) 306-1699 cole.mize@basf.com	Local Providers Simplot Grower Solutions, Monroe Helena Agri – Berne	XO 3131 E XO 3483 E XO 3752 E	Xitavo TM Soybean Seed
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	2830 E3 3140 E3 3555XF	BECK'S HYBRIDS
Brevant Seeds			
Jeff Prickett 1522 S. 000 Road Monroe, IN. 46772 (260) 692-1492 jeff.prickett@simplot.com	Local Providers: Simplot Grower Solutions, Monroe	B283EE B310EE B340EE	*/* BREVANT seeds
Dairyland Seed			
Bob Purlee 4314 Huntley Court Fort Wayne, IN 46814 Cell:260-414-2301 bpurlee@dairylandseed.com	Local Provider: Abnet Field Solutions, Berne Isch Seeds/Blare Gerber, Bluffton Selking Farms, Decatur	2902E 3177E 3499E	D
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	A2992XF A3272XF B3701E	INNVICTIS SEED SOLUTIONS
LG Seeds			
Kyle Malcolm 4076 E 600 N Churubusco, IN 46723 (260) 908-4290 kyle.malcolm@lgseeds.com	Local Providers: Charlie Muhlenkamp, Bryant	2929 E3 3216 E3 3688 E3	LG SEEDS
Pioneer—A DuPont Company			
Traci Bultemeier (260) 414-3206 traci.bultemeier@pioneer.com	Local Providers: Mike Brown/Brown Seeds LLC, Decatur Chris Steele/Steele Farms, Decatur Nidlinger Farms, Decatur Shawn Kiess, Decatur 8	P31A73E P34A98E P37A18E	DIONEER.



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

Company	Variety	Maturity	Marbach	Schaefer	Whitacre	Average
Brevant Seeds	B310EE	3.1	67.0	76.8	61.0	68.3
Dairyland	2902E	2.9	60.9	70.8	71.8	67.8
Innvictis Seed Solutions	A2992XF	2.9	64.0	69.8	66.6	66.8
Pioneer	P31A73E	3.1	63.9	67.7	66.3	66.0
Brevant Seeds	B283EE	2.8	63.3	63.5	70.1	65.6
BASF (Xitavo)	XO 3131 E	3.1	64.2	73.1	59.2	65.5
LG Seeds	2929 E3	2.9	61.7	59.4	65.3	62.1
Becks	2830 E3	2.8	60.7	60.1	60.1	60.3
AVERAGE			63.2	68.7	65.1	65.3

Richard Marbach

Previous Crop: Soybeans Tillage: No-till
Planting Date: April 27 Row Width: 15"

Herbicides: Pre-Gramoxone, Dimetric, Valor XLT, Super BHC

Post—Roundup Power Max Fungicides: Miravise, Grizzly, Masterlock

Plot Size: .294 of an acre Harvest Date: October 5



Andrew Schaefer

Previous Crop: Wheat Tillage: Conventional

Planting Date: May 18 Row Width: 15"

Herbicides: Liberty, AM Sulfate, Flexstar & Fungicide

Plot Size: .388 of an acre Harvest Date: October 4



Issac & Zach Whitacre

Previous Crop: Corn Tillage: No-till
Planting Date: May 6 Row Width: 7.5"

Herbicides: 5/12: Pre– Roundup power max 3 32oz/a, Reviton 1 oz/a,

Boundary 2.25 pt/a, Antares 4 oz/a 7/14: Post— AMS 3lb/a, Glystar 3 32oz/a,

Liberty 32oz/a, Dual Mag 1.5pt/a

Plot Size: .304 of an acre Harvest Date: October 26

Phone: 260-724-5322





3.1 TO 3.4 MATURITY YIELD RESULTS (DRY BU/A)

Company	Variety	Maturity	Aschliman	Roe	White	Average
Becks	3140 E3	3.1	69.9	72.6	68.3	70.2
Dairyland	3177E	3.1	66.8	75.5	64.0	68.7
LG Seeds	3216 E3	3.2	71.0	67.3	65.1	67.8
BASF (Xitavo)	XO 3483 E	3.4	72.5	68.9	61.1	67.5
Asgrow	33XF3	3.3	68.9	65.9	64.6	66.5
Brevant Seeds	B340EE	3.4	68.4	67.6	62.6	66.2
Innvictis Seed Solutions	A3272XF	3.2	67.1	67.5	63.6	66.0
Pioneer	P34A98E	3.4	69.6	64.3	60.0	64.6
AVERAGE			69.3	68.7	63.6	67.2

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-Liberty

Plot Size: .181 of an acre Harvest Date: October 25



Dan Roe

Previous Crop: Corn

Tilliage: No-till

Planting Date: May 29

Row Width: 30"

Herbicides: Liberty, Dual Fungicide: Quilt; Foliar feed of Boost

Plot Size: .051 of an acre Harvest Date: October 13



Justin White

Previous Crop: Soybeans Tillage: No-till
Planting Date: May 6 Row Width: 7.5"

Herbicides: Liberty, 1 quart Boost, & fungicide

Plot Size: .350 of an acre Harvest Date: October 11





3.5TO 4.0 MATURITY YIELD RESULTS (DRY BU/A)

Company	Variety	Maturity	Frock	Moser	Tonner	Average
Asgrow	40XF1	4.0	59.8	89.8	66.8	72.1
Asgrow	35XF1	3.5	63.3	85.2	65.3	71.3
Becks	3555XF	3.5	64.1	86.7	62.1	71.0
LG Seeds	3688 E3	3.6	62.4	83.2	65.8	70.5
Dairyland	3499E	3.5	61.9	83.6	65.6	70.4
BASF (Xitavo)	XO 3752 E	3.7	59.5	84.4	67.1	70.3
Pioneer	P37A18E	3.7	58.6	83.4	59.9	67.3
Innvictis Seed Solutions	B3701E	3.7	61.0	78.4	55.9	65.1
AVERAGE			61.3	84.3	63.6	69.7

Tim Frock

Previous Crop: Soybeans Tillage: No-till
Planting Date: May 6 Row Width: 7.5"

Herbicides: Liberty, 1 quart Boost, & fungicide

Plot Size: .353 of an acre Harvest Date: October 11



Kurt & Klint Moser

Previous Crop: Corn Tillage: No-till
Planting Date: May 16 Row Width: 15"

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

Plot Size: .450 of an acre Harvest Date: October 18



Tim Tonner

Previous Crop: Corn

Tillage: No-till

Planting Date: May 18

Row Width: 15"

Herbicides: Pre-Roundup & Boundary; Post-Roundup, Liberty, Metal 2 & Fungicide

Plot Size: .310 of an acre Harvest Date: October 26



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Adams County 2023 Wheat Trials

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



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

Variety	Moist.	Test Wgt	Yield
Becks 720	13.2	58.0	117.7
Becks 722	14.0	58.9	115.3
AgriMAXX 505	13.4	61.0	112.2
Irrer Seed 6771	13.5	58.5	111.3
AgriPro SY100	13.7	56.4	110.8
Max Crop 621	14.0	58.8	109.8
AgriMAXX 525	12.9	59.6	109.3
Pioneer 25R76	13.0	59.2	108.9
AgriMAXX 513	13.2	60.4	107.3
Max Crop 721	13.1	58.4	106.9
Pioneer 25R29	13.3	59.1	104.1
Pioneer 25R64	12.6	59.0	103.0

Cooperator: Adams Central FFA

Location: 222 W Washington, Monroe (water tower), IN
Planting date: 10/7/22
Previous crop: Soybeans
Length of plot: 440 feet
Pounds/Acre: 175
Depth: 1 1/4 inches

Fertilizer/Herbicides: 300# of 46-0-0, 21-0-0-24S, 11-52-0 & potash in fall; 32 gal/a 28-0-0, 7 gal/a 12-0-0-26s, 1 gal/a hydro-

hume, & .75oz/a Quelex herbicide on 4/13/23

Harvest date: 7/10/23 Average yield: 109.7 bu/acre

Variety	Moist.	Test Wgt	Yield
AgriPro SY100	13.6	58.1	132.9
Pioneer 25R29	13.5	60.6	120.7
Pioneer 25R64	13.0	59.1	119.2
Becks 722	13.8	60.3	119.2
Pioneer 25R76	13.4	60.8	117.6
Max Crop 621	13.7	60.2	116.6
AgriMAXX 525	13.4	60.0	113.8
Max Crop 721	13.5	60.0	111.5
Becks 720	13.5	60.0	110.4
AgriMAXX 505	13.2	62.8	110.3
Irrer Seed 6771	13.5	59.9	109.9
AgriMAXX 513	13.2	61.2	109.7

Cooperator: Dan Roe

Location: SE corner of 50 N & 650 E (Decatur, IN)

Planting date: 10/17/22 Previous crop: Soybeans Length of plot: 335 feet Pounds/Acre: 180 Pepth: 1 1/4 depth

Fertilizer/Herbicides: 250# of 10-20-26-3S in fall; 4/17/23: 28% at 32gal/acre & ammonium thiosulfate at 4 gal/acre; 5/30/23: fungicide Miravis Ace & Grizzly (Warrior)

Harvest date: 7/10/23 Average yield: 116 bu/acre

PURDUE

Extension ADAMS COUNTY

Variety	Moist.	Test Wgt	Yield
AgriPro SY100	13.4	57.5	111.8
AgriMAXX 505	13.0	62.3	109.3
Max Crop 621	13.6	59.7	107.3
Becks 720	13.1	59.3	106.2
Becks 722	13.6	60.3	104.3
AgriMAXX 525	12.9	59.9	104.3
Pioneer 25R29	13.3	60.1	102.9
Irrer Seed 6771	13.0	59.7	99.8
Pioneer 25R64	12.7	59.2	99.3
Pioneer 25R76	12.9	60.5	98.6
Max Crop 721	12.8	59.1	97.5
AgriMAXX 513	13.0	60.8	95.5

Cooperator: Tim Frock

Location: NW corner of 200 S & 500 E, (Monroe, IN)

Planting date: 10/8/22

Tillage: No-till

Pounds/Acre: 185

Previous crop: Soybeans

Length of plot: 280 feet

Depth: 1 1/4 inches

Fertilizer/Herbicides: 350# of 10-20-26 in fall;

2 passes of urea in spring

Harvest date: 7/5/23 Average yield: 103.1 bu/acre

Variety	Moist.	Test Wgt	Yield
Becks 720	12.3	61.0	129.4
Irrer Seed 6771	12.4	61.6	122.2
Max Crop 621	12.7	61.2	122.1
AgriPro SY100	12.6	59.1	120.5
Max Crop 721	12.4	61.2	119.1
Pioneer 25R76	12.1	61.9	117.8
AgriMAXX 505	12.4	63.1	117.1
Becks 722	12.8	60.9	115.2
Pioneer 25R29	13.1	61.7	113.8
Pioneer 25R64	11.9	60.3	113.0
AgriMAXX 513	12.2	62.7	110.2
AgriMAXX 525	12.2	60.8	109.9

Cooperator: Justin White

Location: NW corner of 150 E & 400 S, (Berne IN)

Planting date: 10/8/22 Previous crop: Soybeans Tillage: No-till Length of plot: 360 feet Pounds/Acre: 190 Pepth: 1 1/4 depth Fertilizer/Herbicides: 350# of 10-20-26 in fall;

2 passes of urea in spring

Harvest date: 7/5/23 Average yield: 117.5 bu/acre



2023 Wheat Seed Companies and Suppliers

Plot Seed Companies	Variety Numbers
AgriPro Jeff Prickett 1522 S 000 Road Monroe, IN. 46772 (260) 692-1492 jeff.prickett@simplot.com <u>Local Supplier:</u> Simplot Grower Solutions, Monroe	AgriPro SY 100 AGTPro®
AgriMAXX Wheat Company Matt Wehmeyer 7167 Highbanks Road Mascoutah, IL. 62258 (855) 629-9432 matt@agrimaxxwheat.com Local Supplier: Simplot Grower Solutions, Monroe	AgriMAXX 505 AgriMAXX 513 AgriMAXX 525 AGRI MAXX high performance wheat
Beck's Hybrids Tyler Downing 6767 E 276th Street Atlanta, IN. 46031 (317) 517-9268 tyler.downing@beckshybrids.com Local Suppliers: Corey Bulmahn, Decatur John Frank, Decatur Lehman Feed Mill, Berne	Becks 720 Becks 722 BECK'S
Irrer Seed Farm Jeff Prickett 1522 S 000 Road Monroe, IN. 46772 (260) 692-1492 jeff.prickett@simplot.com Local Supplier: Simplot Grower Solutions, Monroe	Irrer 6771 SEED FARM
Max Crop Blare Gerber 4107 W 100 S-1 Bluffton, IN. 46714 (260) 565-3564 ischseeds@adamswells.com Local Supplier: Isch Seeds, LLC, Bluffton	Max Crop 621 Max Crop 721
Pioneer—A DuPont Company Traci Bultemeier (260) 414-3206 traci.bultemeier@pioneer.com Local Suppliers: Chris Steele/Steele Seeds Inc., Decatur Mike Brown/Johnloz Seeds, Decatur Nidlinger Farms, Decatur	Pioneer 25R29 Pioneer 25R64 Pioneer 25R76 PIONEER

Thanks to the seed companies and cooperators participation in this program. The Crops Committee plans to continue the wheat program every other year. Appreciate the AC FFA, Tim Frock, Dan Roe, & Justin White families for their efforts in this year's wheat plot.

—Brad Kohlhagen, Adams County ANR Extension Educator 13 (260) 724-5322 or bkohlhag@purdue.edu



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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 —		
Soybean Plots 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	
2022	68.7	
2023	67.4	

^{* =} Extremely wet year

Purdue Extension — Adams County 313 W Jefferson, Suite 213 Decatur, IN 46733 260-724-5322 www.extension.purdue.edu/adams Office Hours: Monday—Friday 8:00 AM—4:00 PM

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