

2024

ADAMS COUNTY

Soybean Test Plot Results



Did you know?

- Soybeans were domesticated in north China in the 11th Century B.C.
- The average soybean is around 80% meal and 20% oil.
- The first use of the word “soybean” in U.S. literature was in 1804.

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

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

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2024 Yield Performance and Weather

Its hard to talk soybean yields again this year, without discussing the weather. Adams County was able to come out of the drought status in April with it being the wettest month on record. The beginning of May was still wet, yet warm. Finally started planting in mid-May, but like the past few years... it all of a sudden turned extremely hot and dry in June. Soybeans seem to get off to a good start, but just didn't get the rain in August. Some cooperators do put on fall manure which assist in yields. Appears that early maturity soybeans faired a little better this year as some might have caught some rains during late summer where the later maturity soybeans battled extreme heat and dry conditions at the end of the growing season.

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 2.5 TO 3.0	8 VARIETIES	3 DIFFERENT LOCATIONS
MATURITY 3.1 TO 3.4	8 VARIETIES	3 DIFFERENT LOCATIONS
MATURITY 3.5 TO 3.8	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
Adams County Agriculture and Natural Resource Extension Educator

RAINFALL DATA

Preble	Root	<div> <div> RICHARD MARBACH May 2.5 June 2.2 July 1.3 Aug 4.2 Sept. 4.7 Total 14.9 </div>  </div>
Kirkland	Washington	<div> <div> RANDY ROE May 3.5 June 3.4 July 3.0 Aug. 3.4 Sept. 4.0 Total 17.3 </div>  </div>
French	Monroe	<div> <div> LEHMAN FEED MILL May 3.55 June 3.30 July 3.35 Aug. 4.35 Sept. 2.80 Total 17.35 </div>  </div> <div> <div> JEFF LEHMAN May 3.10 June 3.80 July 3.05 Aug. 4.30 Sept. 2.60 Total 16.85 </div>  </div>
Hartford	Wabash	<div> <div> BRAD KOHLHAGEN May 1.89 June 2.12 July 2.00 Aug. 3.55 Sept. 1.82 Total 11.38 </div>  </div>
		Blue Creek
		Jefferson

PLOT LOCATIONS

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

2024 ADAMS COUNTY PLOT COOPERATORS

Adams Central FFA Chapter 222 W Washington Street Monroe, IN 46772	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
Jon Roe 1373 N US Highway 33 Decatur, IN 46733	Tim Tonner 4984 W 100 S-1 Bluffton, IN 46714	Justin White 4900 E 200 S 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	Jon Roe
Ron Aschliman	Adam Lehman	Andrew Schaefer
Katie Bluhm	Jeff Lehman	Lynn Selking
Paul Bluhm	Nathan Lehman	Nate Selking
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	

2024 Soybean Seed Company Representatives		Variety Numbers	
Asgrow			
Bill Stoller 5920 W 100 S Decatur, IN 46733 (260) 437-6593 stollerb@helenaaagri.com	Local Providers: Helena Agri—Craigville, Micah Borne Helena Agri— Berne	33XF3 36XF4 38XF3	
BASF (Xitavo)			
Cole Mize (260) 306-1699 cole.mize@basf.com	Local Providers Simplot Grower Solutions, Monroe Helena Agri – Berne	XO 3014 E XO 3224 E XO 3655 E	
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	2950 E3 3140 E3 3650 E3	
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	2838E 3006E 3612E	
Innvictis Seed Solutions			
Kyle Mote 1522 S 000 Road Monroe, IN 46772 (260) 692-1492 kyle.mote@simplot.com	Local Providers: Simplot Grower Solutions, Monroe	B2893E B3303E B3701E	
LG Seeds			
Kyle Malcolm 4076 E 600 N Churubusco, IN 46723 (260) 908-4290 kyle.malcolm@lgseeds.com	Local Providers: Charlie Muhlenkamp, Bryant	2505 E3 3000 E3 3445 E3	
Pioneer—A DuPont Company			
Traci Bultemeier (260) 414-3206 traci.bultemeier@pioneer.com	Local Providers: Mike Brown/Brown Seeds LLC, Decatur Conner Schwartz Chris Steele/Steele Farms, Decatur	P31Z03E P32Z91E P35Z76E	

2.5 TO 3.0 MATURITY YIELD RESULTS (DRY BU/A)

Company	Variety	Maturity	Dan Roe	Jon Roe	White	Average
LG Seeds	2505 E3	2.5	77.5	60.9	73.6	70.6
Dairyland	2838E	2.8	76.2	61.8	72.8	70.3
Becks	2950 E3	2.9	73.8	64.2	70.6	69.6
LG Seeds	3000 E3	3.0	66.1	63.1	72.2	67.1
BASF (Xitavo)	XO 3014 E	3.0	65.6	64.0	67.0	65.5
Inn victis	B2893E	2.9	61.1	65.2	68.4	64.9
Dairyland	3006E	3.0	60.1	66.4	68.1	64.9
AVERAGE			68.6	64.1	70.4	67.6

Dan Roe

Previous Crop: Corn

Tillage: Conventional

Planting Date: May 17

Row Width: 30"

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

Plot Size: .289 of an acre

Harvest Date: October 4



Jon Roe

Previous Crop: Corn

Tillage: No-till

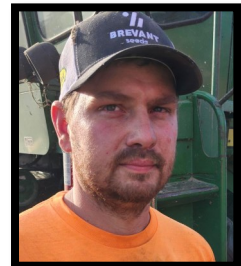
Planting Date: May 20

Row Width: 7.5"

Herbicides: Liberty, Dual

Plot Size: .156 of an acre

Harvest Date: October 4



Justin White

Previous Crop: Corn

Tillage: No-till

Planting Date: May 18

Row Width: 7.5"

Herbicides: Liberty, 1 quart Boost, & fungicide & insecticide

Plot Size: .357 of an acre

Harvest Date: October 5



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

Company	Variety	Maturity	A.C. FFA	Marbach	Frock	Average
Pioneer	P31Z03E	3.1	63.8	68.6	67.2	66.5
Pioneer	P32Z91E	3.2	61.8	70.4	62.0	64.7
Becks	3140 E3	3.1	62.1	69.9	60.3	64.1
BASF (Xitavo)	XO 3224 E	3.2	57.5	69.8	63.0	63.4
Innvictis	B3303E	3.3	60.6	66.7	58.9	62.1
LG Seeds	3445 E3	3.4	59.1	65.6	60.5	61.7
Asgrow	33XF3	3.3	60.1	NA	58.7	59.4
AVERAGE			60.7	68.5	61.5	63.1

Adams Central FFA Chapter

Previous Crop: Wheat

Tillage: No-till

Planting Date: May 14

Row Width: 7.5"

Herbicides: Post—Request 2qt/100, Roundup Power Max 3 1qt/a,
Enlist One 1qt/a, Dual Mag 1.3pt/a

Fungicides—August 9—Odyssey 1qt/a, Tempset 3.2oz/a,
CoRoN 25B 2qt/a

Plot Size: .202 of an acre

Harvest Date: October 17



Richard Marbach

Previous Crop: Corn

Tillage: No-till

Planting Date: May 22

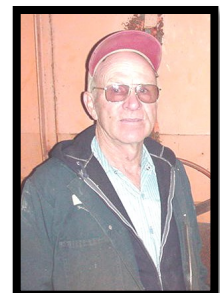
Row Width: 15"

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

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

Plot Size: .433 of an acre

Harvest Date: October 8



Tim Frock

Previous Crop: Corn

Tillage: No-till

Planting Date: May 18

Row Width: 7.5"

Herbicides: Liberty, 1 quart Boost, & fungicide & insecticide

Plot Size: .358 of an acre

Harvest Date: October 5



3.5 TO 3.8 MATURITY YIELD RESULTS (DRY BU/A)

Company	Variety	Maturity	Aschliman	Moser	Tonner	Average
Asgrow	36XF4	3.6	76.5	72.5	65.3	71.4
Innvictis	B3701E	3.7	73.8	79.6	58.4	70.6
Dairyland	3612E	3.6	81.7	65.0	62.0	69.6
Asgrow	38XF3	3.8	83.4	61.8	62.2	69.1
Pioneer	P35Z76E	3.5	77.2	67.4	60.1	68.2
BASF (Xitavo)	XO 3655 E	3.6	75.7	67.5	58.2	67.1
Becks	3650 E3	3.6	78.9	54.1	56.7	63.2
AVERAGE			78.2	66.8	60.4	68.5

Ron Aschliman

Previous Crop: Corn

Tillage: Minimum till

Planting Date: May 20

Row Width: 15"

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

Plot Size: .337 of an acre

Harvest Date: October 8



Kurt & Klint Moser

Previous Crop: Corn

Tillage: No-till

Planting Date: May 22

Row Width: 15"

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

Plot Size: .248 of an acre

Harvest Date: October 3



Tim Tonner

Previous Crop: Corn

Tillage: No-till

Planting Date: May 25

Row Width: 15"

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

Plot Size: .482 of an acre

Harvest Date: October 10



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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
2024	66.4

* = Extremely wet year

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