

Arkansas Soybean Research Verification Program

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The Arkansas Soybean Research Verification Program (SRVP) completed its 28th year and represents a public exhibition of the implementation of research-based Extension recommendations in an actual field scale farming environment for soybeans. Since the Research

commodity.

5. To increase county Extension agents expertise in the specified commodity.

6. Utilize and incorporate data and findings from the Research Verification Program into Extension educational programs at the county and state level.

Goals

Arkansas ROW CROP VERIFICATION



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RESEARCH & EXTENSION
University of Arkansas System

Verification Program is subject to public scrutiny and funding, generally with producer monies, Extension makes a very strong attempt to implement these recommendations in a timely manner in order to fulfill the objectives of the program. The Soybean Research Verification Program Coordinators are Chris Grimes and Steve Kelley.

Objectives

1. To conduct on-farm field trials to verify the utility of research-based recommendations with the intent of optimizing potential for profits.

2. To develop an on-farm database for use in economic analyses and computer assisted management programs.

3. To aid researchers in identifying areas of production that requires further study.

4. To improve or refine existing recommendations which contribute to profitable production utilizing all production systems applicable to the

The specific goals of the Soybean Research Verification Program are:

1. To demonstrate to producers that University of Arkansas soybean management recommendations developed from small-plot research are applicable to large-scale field applications and provide optimum yields and economic returns.

2. To evaluate the current University of Arkansas soybean management recommendations for completeness and determine where weaknesses in knowledge or information exist and further research is warranted.

3. To train new County Extension Agents in soybean production and provide experiences that will benefit the agent in his overall county programming with respect to soybean production. Δ

CHRIS GRIMES: Soybean/Wheat Research Verification Coordinator, University of Arkansas

Production System Simple Averages (1983-2010) of the Soybean Research Verification Program.

Production System	Number of Fields	Average Field Size (Acres)	Yield ¹ (Bu/A)	Total Specified Operating Costs ² (\$/A)	Break-even Operating ³ (\$/Bu)	Total Specified Operating and Ownership Costs ⁴ (\$/A)	Break Even Price ⁵ (\$/Bu)	Break-even Price With Land Costs ⁶ (\$/Bu)	Returns Above Total Specified Costs 75:25 Share ⁷ (\$/A)
Early Season Irrigated	34	57.4	53.2	\$155.94	\$3.03	\$204.48	\$3.96	\$5.20	\$71.28
Full Season Irrigated	247	51.9	49.9	\$140.05	\$2.87	\$199.93	\$4.13	\$5.41	\$55.78
Doublecrop Irrigated	88	53.3	43.7	\$117.68	\$2.78	\$173.83	\$4.11	\$5.39	\$35.09
Early Season Non-Irr.	33	44.7	31.5	\$92.16	\$3.61	\$118.88	\$4.62	\$6.06	\$24.05
Full Season Non-Irr.	44	47.0	32.2	\$94.54	\$3.43	\$127.03	\$4.60	\$5.62	\$49.09
Doublecrop Non-Irr.	18	44.7	24.5	\$68.81	\$4.00	\$88.56	\$5.12	\$6.54	\$26.13
Special Case	26	48.2	32.2	\$114.51	\$4.01	\$156.47	\$5.51	\$6.91	(\$6.24)
Simple Averages	490 Fields	49.6	38.2	\$111.95	\$3.39	\$152.74	\$4.58	\$5.88	\$36.45

¹Yields adjusted to 13 percent moisture.

²Specified out-of-pocket expenses such as seed, fertilizer, herbicides, irrigation, etc.

³Price per bushel required by the farmer to equal total specified operation costs. Does not include land, overhead, risk, and management cost.

⁴Total specified operating costs plus ownership costs which include charges for depreciation and interest on all machinery and irrigation equipment, taxes, and insurance.

⁵Price per bushel required by the farmer to equal total specified operation and ownership costs. Does not include land, overhead, risk, and management cost.

⁶Break-even price per bushel plus a 25 percent crop share rent. Does not include, overhead, risk, and management costs.

⁷A 25 percent crop share rent was assumed as a land charge for a renter situation. No cost sharing was assumed. Calculation applies to all represented years.