



2005 Soybean Research Verification Program Fields
Coordinators: Trey Reaper & Matt Cordell
Week of 12/05



County	Agent	Cooperator	Variety	Production System	Planting Date	Row Spacing	Plant Pop.	Acres	Harvest Date	Yield (bu/ac)
Arkansas	Ken Adams	Tom Jacobs	Ozark	Full Season Irrigated-Furrow	5/16	30"	87,000	60.0	10/11	68.7
Craighead	Eric Grant	Mark Bowers	Morsoy RT5553 RR	Full Season Irrigated-Flood	5/23	15"	85,000	52.0	10/21	45.8
Crawford	Carey Wall	Wayne Hays	Pioneer 94B13 RR	ESPS Non-Irrigated	4/16	12"	100,000	25.3	9/6	45.1
Crittenden	Mike Hamilton	Todd Allen	Pioneer 94B73 RR	ESPS Irrigated-C Pivot	5/3	7.5"	111,500	52.5	9/30	64.4
Cross	Richard Klerk	Maurice Stutts	Asgrow 4401 RR	ESPS Irrigated-Flood	5/4	15"	170,000	48.0	10/12	37.3
Desha	Wes Kirkpatrick	Eric Wright	Progeny 5250 RR DPL 5634 RR	DC Irrigated-Furrow	6/13	7.5" on 38" beds	55,000	30.7	10/27	40.2
Drew	Jason Rauls	Edward Schenk	Asgrow 5501 RR	DC No-till Irrigated	6/7	30"	70,000	20.0	10/12	27.0
Greene	Mark Brawner	Barkley Threlkeld	Asgrow 5301 RR	Full Season Irrigated-Furrow	6/18	30"	155,000	80.0	10/28	56.7
Independence	Nathan Reinhart	John Wyatt	Garst 4612 RR	ESPS Irrigated-Border	4/27	15"	153,000	60.0	10/9	61.5
Jefferson	Don Plunkett	Matt Tucker	DPL 5414 RR DG33B52	Early Season No-till Irrigated	5/4	30"	93,000	37.4	9/27	48.5
Little River 1	Joe Paul Stuart	Cowling Farms	Armor 44R5 RR	ESPS Non-Irrigated	4/24	7.5"	63,000	52.0	8/14	26.6
Little River 2	Joe Paul Stuart	Cowling Farms	Ozark	ESPS Non-Irrigated	4/24	7.5"	87,000	52.0	9/23	23.2
Logan	N/A	Keith Willems	Croplan RC4992 RR	Full Season Non-Irrigated	5/18	19"	91,000	70.0	10/4	21.8
Mississippi	Susan Matthews	Gavin Ashmore	Progeny 4860 RR	Full Season Irrigated-C Pivot	5/19	15"	118,000	34.7	10/18	47.3
Poinsett	Rick Thompson	Herrick Norcross	Asgrow 4902 RR	ESPS Irrigated-Border	4/21	19"	140,000	65.0	9/23 & 10/8	57.2
Prairie	Hank Chaney	Hardke Bros.	Armor 47G7 RR	Full Season Irrigated-Furrow	5/24	30"	130,000	110.4	10/1	48.9
St. Francis	Kevin Norton	Terry and Clint McGraw	Armor 47G7 RR	Full Season Irrigated-Furrow	5/18	7.5"	90,000	45.0	10/12	45.3
Yell	Ken Combs	Johnny Foster	Armor 44R5 RR	ESPS Non-Irrigated	5/5	32"	54,000	37.0	9/13	35.8
SRVP Average Yield:										44.5
Irrigated SRVP Average Yield (13 Fields):										49.9
Non-Irrigated SRVP Average Yield (5 Fields):										30.5

Abbreviations:

DC = Double-cropped

ESPS = Early Season Production System



2005 SRVP Pest Management



Production Systems of the 2005 SRVP				
Early Season Irrigated				
County	Agent	Cooperator	Variety	Yield
Crittenden	Mike Hamilton	Todd Allen	Pioneer 94B73 RR	64.4
Cross	Richard Klerk	Maurice Stutts	Asgrow 4401 RR	37.3
Independence	Nathan Reinhart	John Wyatt	Garst 4612 RR	61.5
Jefferson	Don Plunkett	Matt Tucker	DPL 5414 RR	48.5
Poinsett	Rick Thompson	Herrick Norcross	Asgrow 4902 RR	57.2
Avg:				53.8
Full Season Irrigated				
County	Agent	Cooperator	Variety	Yield
Arkansas	Ken Adams	Tom Jacobs	Ozark	68.7
Craighead	Eric Grant	Mark Bowers	Morsoy RT5553 RR	45.8
Greene	Mark Brawner	Barkley Threlkeld	Asgrow 5603 RR	56.7
Mississippi	Susan Matthews	Gavin Ashmore	Progeny 4949 RR	47.3
Prairie	Hank Chaney	Hardke Bros.	Armor 47-G7 RR	48.9
St. Francis	Kevin Norton	Terry and Clint McGraw	Armor 47-G7 RR	45.3
Avg:				48.8
Doublecrop Irrigated				
County	Agent	Cooperator	Variety	Yield
Desha	Wes Kirkpatrick	Eric Wright	Pioneer 94B73 RR	40.2
Drew	Jason Rawls	Edward Schenk	Asgrow 5501 RR	27.0
Avg:				40.3
Early Season Non-Irrigated				
County	Agent	Cooperator	Variety	Yield
Crawford	Carey Wall	Wayne Hays	Pioneer 94B13 RR	45.1
Little River	Joe Paul Stuart	Cowling Farms	Armor 44R5 RR/STS	26.6
			Ozark	23.2
Yell	Ken Combs	Johnny Foster	Armor 44R5 RR/STS	35.8
Avg:				32.7
Full Season Non-Irrigated				
County	Agent	Cooperator	Variety	Yield
Logan	N/A	Keith Willems	Croplan RC4992 RR	21.8
Overall Irrigated Avg. Yield:		49.9	13 Irrigated Fields	
Overall Non-Irrig. Avg. Yield:		30.5	5 Non-Irrigated Fields	



2005 SRVP Pest Management



County	Variety	Production System	Target Pests	Product Used	Growth Stage at Application
Arkansas	Ozark	Full Season Irrigated-Furrow	Soybean diseases*	Quadris & Headline	R4
Desha	Progeny 5250 RR DPL 5634 RR	DC Irrigated-Furrow	Green Stinkbug	Karate @ 2 oz/ac	R6
Drew	Asgrow 5501 RR	DC No-till Irrigated	Green Stinkbug	Mystic Z @ 1.8 oz/ac	R6
Greene	Asgrow 5301 RR	Full Season Irrigated-Furrow	1. Lepidopteran species 2. Brown/Green Stinkbug	1. Intrepid @ 4 oz/ac 2. Methyl @ 1 pt/ac	1. R4 2. R6
Jefferson	DPL 5414 RR & DG33B52	Early Season No-till Irrigated	Brown/Green Stinkbug	Methyl @ 2pt/ac	R6
Mississippi	Progeny 4949 RR	Full Season Irrigated-C Pivot	Brown/Green Stinkbug	Methyl @ 1 pt/ac	R6
Poinsett	Asgrow 4902 RR	ESPS Irrigated-Border	Brown/Green Stinkbug	Methyl @ 1 pt/ac	R7

* Headline and Quadris fungicides were applied in the Arkansas Co. field as a demonstration on the effectiveness of fungicides when little or no disease is present.



2005 SRVP Pest Management



2005 Arkansas County SRVP Fungicide Demonstration

Cooperator: Tom Jacobs

Variety: Ozark

Growth Stage at Application: R4

Disease Level at Application: Low/Negligible

Treatment	Average Plot Size (acres)	Yield (bu/ac)	Seed Size (g/100 seed)	Seed Density (g/cm ³)	% Germ	% Viable	Accelerated Aging %
Untreated Check	1.07	73.11	16.787	26.267	96.67	96.67	89.33
Quadris	1.06	73.97	16.890	26.667	96.67	96.67	90.00
Quadris+Dimlin	1.06	74.21	17.357	27.333	94.67	94.67	92.33
Headline	1.04	74.40	16.857	26.667	96.67	96.67	91.00
Headline+Dimlin	1.00	74.75	16.723	26.667	96.00	96.00	89.00