

Arkansas
ROW CROP VERIFICATION



U of A DIVISION OF AGRICULTURE
RESEARCH & EXTENSION
University of Arkansas System

**Rice Research Verification Program Final Update
October 27, 2017**

General:

All fields are harvested and yields are calculated. Program fields in the south had a yield average of 196 bushels/acre while those in the north averaged 176 bushels/acre for a combined yield average of 186 bushels/acre. This is a 20 bushel increase over the program's 2016 yield average and exceeds the current 2017 state yield average estimate (163 bu/acre) by 23 bushels. However, this yield difference is likely to be reduced by a few bushels when the final state yield average estimate is given. Milling yields are down, averaging 48/67 for program fields in the south and 56/70 for those in the north for a combined milling yield average of 52/69. Higher grain yields in the south and higher milling yields in the north also held true for Arkansas rice production in general.

A word of appreciation is owed to each cooperating producer and county agent who participated in the program this year and to all Arkansas rice producers who make the Rice Research Verification Program possible with Rice Check-off dollars. Thank you.

South Arkansas

County	Variety Acres	Seeding: Date Method Rate Treatment Emergence Density	Stage Harvested Date Ave Moisture Dry Yield 12%	General Information & Application (Rates listed per acre)
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<p>Arkansas</p>	<p>Diamond 36.8 acres</p>	<p>4-19-17 Drill 65 lbs/acre Cruiser Maxx Rice 5/2/17 18 plants ft²</p>	<p>Harvested 9/19/17 Moisture 17% Yield 190 bu/acre Milling Yield 55/71</p>	<p><u>Pre-plant fertilizer applied:</u> N P K Zn 0-30-90-10 <u>Herbicides applied at planting:</u> Command 12.8 oz. League 6.4 oz. <u>Early post-emergence herbicides:</u> Propanil 4 qts. Facet L 32 oz. COC 1 pt. <u>Pre-flood nitrogen applied:</u> N-STaR 240 lbs. urea + NBPT <u>Permanent flood applied (5/26)</u> <u>Mid-season nitrogen applied (6/22)</u> 100 lbs. urea. <u>Stink bug insecticide applied (8/10)</u> Mustang Max 4 oz.</p>
<p>Desha</p>	<p>Roy J 85.3 acres</p>	<p>4-10-17 Drill 67 lbs/acre Cruiser Maxx Rice + Zinc 4/20/17 14 plants/ft²</p>	<p>Harvested 9/7/17 Moisture 17% Yield 152 bu/acre Milling Yield 46/69</p>	<p><u>Pre-plant fertilizer applied:</u> N P K Zn 0-40-0-0 <u>Herbicides applied at planting:</u> Command 20 oz. League 6.4 oz. <u>Post-emergence herbicides:</u> Duet 3 qts. <u>Pre-flood nitrogen applied:</u> N-STaR 170 lbs. urea + NBPT <u>Permanent flood applied (5/26)</u> <u>Mid-season nitrogen applied (6/26)</u> 100 lbs. urea. <u>Kernel smut fungicide treatment (7/13)</u> Generic propiconazole fb <u>Rice blast preventative (7/22)</u> Generic azoxystrobin 12.5 oz. <u>Stink bug insecticide applied (7/22)</u> Lambda-cyhalothrin 1.8 oz.</p>

<p>Jefferson</p>	<p>XL753 37.9 acres</p>	<p>4-7-17 Drill-(Row Water) 24 lbs/acre RTST* 4/20/17 8 plants/ft²</p>	<p>Harvested 8/23/17 Moisture 17% Yield 238 bu/acre Milling Yield 46/69</p>	<p><u>Pre-plant fertilizer applied:</u> N P K Zn 0-0-0-0 <u>Herbicides applied at planting:</u> Roundup Power Max 27 oz. Command 16 oz. League 6.4 oz. <u>Post-emergence herbicides:</u> Facet L 22 oz. COC 1pt. <u>Pre-flood nitrogen applied:</u> 1st shot 150 lbs. urea + NBPT (5/22) Intermittent flushing for row rice (5/23) 2nd shot 150 lbs. urea + NBPT (5/30) 3rd shot 75 lbs. urea +NBPT (6/6)</p>
<p>Lafayette</p>	<p>Mermentau 39.3 acres</p>	<p>4/1/17 Drill 95 lbs/acre Cruiser Maxx Rice 4/16/17 20 plants/ft²</p>	<p>Harvested 9/4/17 Moisture 12% Yield 195 bu/acre Milling Yield 55/67</p>	<p><u>Pre-plant fertilizer applied:</u> N P K Zn 0-0-0-0 <u>Herbicides applied at planting:</u> Command 24 oz. Glyphosate 32 oz. <u>Post-emergence herbicides:</u> Regiment .5 oz. Facet L 32 oz. Permit 1 oz. Dyne-Amic 1 pt. <u>Pre-flood nitrogen applied:</u> 340 lbs. urea + NBPT <u>Applied permanent flood (5/12)</u> <u>Mid-season nitrogen applied (6/12)</u> 100 lbs. urea. <u>Stink bug insecticide applied (7/13)</u> Karate 1.8 oz.</p>

<p>Lincoln</p>	<p>CL XP 756 38.4 acres</p>	<p>3-31-17 Drill (Continuous Rice) 25 lbs/acre RTST 4-13-17 9 plants/ft²</p>	<p>Harvested 8/26/17 Moisture 18% Yield 196 bu/acre Milling Yield 39/58</p>	<p><u>Pre-plant fertilizer applied:</u> N P K Zn 0-0-0-0 <u>Herbicides applied at planting:</u> Newpath 5 oz. Command 19 oz. <u>Post-emergence herbicides:</u> Super Wham 3 qts. Prowl H2O 2.1 pts. Command 16 oz. fb** Clearpath 0.5 lb. Permit Plus 0.75 oz. COC 1 pt. <u>Pre-flood nitrogen applied:</u> 200 lbs. urea + NBPT <u>Permanent flood applied (5/13)</u> <u>Late boot nitrogen applied (7/1)</u> 70 lbs. urea. <u>Stink bug insecticide applied: (7/13)</u> Mustang Max 4 oz.</p>
<p>Lonoke</p>	<p>XL753 40.1 acres</p>	<p>4-14-17 Drill 19 lbs/acre RTST 4/26/17 6 plants ft²</p>	<p>Harvested 9/4/17 Moisture 16% Yield 176 bu/acre Milling Yield 54/71</p>	<p><u>Pre-plant fertilizer applied:</u> N P K Zn 0-60-90-10 <u>Herbicides applied at planting:</u> Command 12.8 oz. League 6.4 oz. Roundup 32 oz. <u>Post-emergence herbicides:</u> Facet L 32 oz. Permit Plus 0.75 oz. Sharpen 1 oz. <u>Pre-flood nitrogen applied:</u> N-STaR 225 lbs. urea + NBPT <u>Permanent flood applied (5/26)</u> <u>Late boot nitrogen applied (7/13)</u> 75 lbs. urea.</p>

<p>Prairie</p>	<p>RT CL7311 39.3 acres</p>	<p>3-30-17 Drill 24 lbs/acre RTST 4/12/17 8 plants/ft²</p>	<p>Harvested 8/26/17 Moisture 18% Yield 248 bu/acre Milling Yield 42/66</p>	<p><u>Pre-plant fertilizer applied:</u> N P K Zn 0-30-60-0 <u>Herbicides applied at planting:</u> Command 12.8 oz. League 6.4 oz. <u>Post-emergence herbicides:</u> Clearpath 0.5 lb. COC 1 pt. <u>Pre-flood nitrogen applied:</u> 260 lbs. urea <u>Permanent flood applied: (5/10)</u> <u>Late boot nitrogen applied: (5/23)</u> 70 lbs. urea <u>Stink bug insecticide treatment: (7/5)</u> Lambda-cyhalothrin 4 oz. <u>Stink bug insecticide treatment: (7/28)</u> Lambda-cyhalothrin 4 oz.</p>
<p>Pulaski</p>	<p>Diamond 60.4 acres</p>	<p>4/15/17 Drill 65 lbs/acre Cruiser Maxx Rice 4/28/17 22 plants ft²</p>	<p>Harvested 10/02/17 Moisture 17% Yield 175 bu/acre Milling Yield 43/67</p>	<p><u>Pre-plant fertilizer applied:</u> N P K Zn 0-0-0-0 <u>Herbicides applied at planting:</u> Command 16 oz. <u>Post-emergence herbicides:</u> Facet L 22 oz. Permit 1 oz. COC 1 pt. <u>Post-emergence herbicides:</u> Command 16 oz. League 6.4 oz. Propanil 4 qts. COC 1 pt. <u>Post-emergence herbicides:</u> Facet L 21 oz. Regiment 0.5 oz. Dyna Pak 1% <u>Pre-flood nitrogen applied:</u> 220 lbs. + NBPT <u>Permanent flood applied (6/21)</u> <u>Mid-season nitrogen applied (7/8)</u> 100 lbs. urea <u>Stink bug insecticide applied: (7/27)</u> Karate 1.8 oz.</p>
<p>North Arkansas</p>				

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Clay	CL 153	04/6/17 Drilled 65 lbs/acre Apron Maxx RTA 4/18/17 10 plants/ft ²	Harvested 09/11/17 Moisture 16% Yield 167 bu/acre Milling Yield 62/70	<u>Pre-plant fertilizer applied:</u> N P K Zn S 0-45-90-5-10 <u>Herbicides applied at planting:</u> Clearpath 0.5 lb. <u>Post-emergence herbicides:</u> Newpath 4 oz. Sharpen 1 oz. COC 6.4 oz. <u>Pre-flood nitrogen applied:</u> 288 lbs. urea <u>Applied permanent flood (5/25)</u>	
Conway	XL753	04/15/17 Drilled 24 lbs/acre RTST 4/26/17 5.8 plants/ft ²	Harvested 09/11/17 Moisture 15% Yield 179 bu/acre Milling Yield 46/71	<u>Pre-plant fertilizer applied:</u> N P K Zn 18-46-0-0 <u>Herbicide applied delayed-pre:</u> Prowl H2O 2 pts. Bolero 3 pts. Glyphosate 32 oz. <u>Post-emergence herbicides:</u> Propanil 3 qts. <u>Pre-flood nitrogen applied:</u> N-STaR 155 lbs. urea + NBPT Applied permanent flood (5/26) <u>Corrective nitrogen applied: (6/22)</u> 100 lbs. urea <u>Late boot nitrogen applied: (7/14)</u> 65 lbs. urea <u>Stink bug insecticide applied: (7/19)</u> Generic lambda-cyhalothrin 3.6 oz.	

<p>Jackson</p>	<p>CL XL745</p>	<p>04/11/17 Drill 26 lbs/acre RTST 4/26/17 6 plants/ft²</p>	<p>Harvested 09/12/17 Moisture 17% Yield 206 bu/acre Milling Yield 59/70</p>	<p><u>Pre-plant fertilizer applied:</u> N P K Zn 0-46-60-0 <u>Herbicides applied at planting:</u> Command 12.8 oz. <u>Post-emergence herbicides:</u> Newpath 4 oz. Nonionic surfactant 2.6 oz. fb Clearpath 0.5 lb. COC 0.5 pt. <u>Pre-flood nitrogen applied:</u> Ammonium Sulfate 100 lbs. fb N-STaR 185 lbs. urea + NBPT <u>Applied permanent flood (06/09)</u> <u>Late boot nitrogen applied: (7/11)</u> 70 lbs. urea <u>Kernel smut/sheath blight treatment applied: (7/21)</u> Quilt Xcel 16 oz. + Tilt 3.6 EC 1.5 oz.</p>
<p>Poinsett</p>	<p>Roy J</p>	<p>04/14/17 Drill 66 lbs/acre Cruiser Maxx Rice 04/25/17 11.8 plants/ft²</p>	<p>Harvested 09/26/17 Moisture 15% Yield 155 bu/acre Milling Yield 42/70</p>	<p><u>Pre-plant fertilizer applied:</u> N P K Zn 0-90-112-0 <u>Herbicides applied at planting:</u> Command 12.8 oz. <u>Post-emergence herbicides:</u> Facet L 32 oz. Prowl H20 2.1 pt. COC 1 qt. <u>Recovery treatment applied:</u> Ammonium sulfate 100 lbs. <u>Pre-flood nitrogen applied:</u> N-STaR 260 lbs. urea + NBPT <u>Applied permanent flood (06/03)</u> <u>Kernel smut preventative applied: (7/18)</u> Generic propiconazole 6 oz.</p>
<p>Randolph</p>	<p>CL 151</p>	<p>05/19/17 Drill 66 lbs/acre Cruiser Maxx Rice 05/27/17 22 plants/ft²</p>	<p>Harvested 10/14/17 Moisture 17% Yield 155 bu/acre Milling Yield 59/69</p>	<p>N P K Zn 0-46-60-0 <u>Post-emergence herbicides:</u> Clearpath .5 lb. Sharpen 1 oz. COC 0.5 pt. <u>Pre-flood nitrogen applied:</u> N-STaR 270 lbs. urea + NBPT <u>Applied permanent flood (06/22)</u> <u>Rice Blast preventative applied: (07/27)</u> Quadris 12.5 oz. <u>Rice Blast preventative applied: (08/01)</u> Quadris 12.5 oz.</p>

<p>White</p>	<p>XL753</p>	<p>04/20/17 Drill 26 lbs/acre RTST 05/03/17 8 plants/ft²</p>	<p>Harvested 09/07/17 Moisture 18% Yield 205 bu/acre Milling Yield 63/73</p>	<p><u>Pre-plant fertilizer applied:</u> N P K Zn 0-0-60-0 <u>Herbicides applied at planting:</u> Glyphosate 3pts. First Shot 0.5 oz. <u>Post-emergence herbicides:</u> Facet L 22 oz. Prowl H20 2.1 pts. COC 1 qt. <u>Pre-flood nitrogen applied:</u> N-STaR 261 lbs. urea + NBPT <u>Applied permanent flood (5/28).</u> <u>Corrective nitrogen applied on 10 acres:</u> 100 lbs. urea (6/23) <u>Late boot nitrogen applied: (7/14)</u> 65 lbs. urea <u>Stink bug insecticide applied: (7/21)</u> Lambda-cyhalothrin 1.8 oz.</p>
<p>Woodruff</p>	<p>Diamond</p>	<p>04/10/17 Drill 66 lbs/acre Cruiser Maxx Rice 04/16/17 20 plants/ft²</p>	<p>Harvested 09/07/17 Moisture 15% Yield 157 bu/acre Milling Yield 60/70</p>	<p><u>Pre-plant fertilizer applied:</u> N P K Zn 0-45-90-0 <u>Pre-plant herbicides applied:</u> Glyphosate 32 oz. First Shot 0.5 oz <u>Herbicides applied at planting:</u> Command 12.8 oz League 6.4 oz <u>Post-emergence herbicides:</u> Facet L 22 oz. COC 1 qt. <u>Pre-flood nitrogen applied:</u> 207 lbs. urea + NBPT <u>Applied permanent flood (5/30)</u> <u>Corrective nitrogen applied: (6/23)</u> 100 lbs. urea</p>

* RiceTec Standard Seed Treatment which includes NipsIt insecticide

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