

**University of Missouri Extension
Southeast Missouri Irrigation Crop Budgets 2017**

	Corn GMO	Non- GMO	Corn GMO	Soybean Roundup Ready 2 Xtend	Soybean Liberty Link	Soybean Conv.	Grain Sorghum	Pop Corn	Cotton	Rice Conv.	Rice Hybrid	Rice Clearfield	Rice Clearfield Hybrid	Wheat	D. C. Soybean R.R. 2 Xtend	D. C. Soybean L.L.	D. C. Soybean Conv.	D. C. Grain Sorghum	D. C. Southern Peas
Revenue																			
Estimated Yield (Bu/Acre) ^A	210	210	60	60	60	140	5000	1200	180	180	180	180	180	70	50	50	50	120	1600
Estimated Price (\$/Bushel) ^B	\$3.75	\$3.75	\$10.30	\$10.30	\$10.30	\$3.50	\$0.15	\$0.710	\$5.00	\$5.00	\$5.00	\$5.00	\$5.00	\$4.50	\$10.30	\$10.30	\$10.30	\$3.50	\$0.20
Estimated Gross Revenue (\$/Acre)	\$787.50	\$787.50	\$618.00	\$618.00	\$618.00	\$490.00	\$750.00	\$852.00	\$900.00	\$900.00	\$900.00	\$900.00	\$900.00	\$315.00	\$515.00	\$515.00	\$515.00	\$420.00	\$320.00
Variable Cost^C																			
Seed	74.38	116.88	65.00	58.00	35.00	25.00	50.00	120.00	26.00	137.00	86.75	135.00	38.25	71.50	63.80	38.50	25.00	22.00	
Nitrogen	74.80	74.80	0.00	0.00	0.00	51.00	62.90	27.20	51.00	51.00	51.00	51.00	34.00	0.00	0.00	0.00	42.50	0.00	
Phosphate	29.70	29.70	14.85	14.85	14.85	23.10	26.40	16.50	18.15	16.50	18.15	16.50	13.20	13.20	13.20	13.20	13.20	19.80	13.20
Potash	15.00	15.00	20.00	20.00	20.00	11.25	15.00	11.25	7.50	7.50	7.50	7.50	5.00	16.25	16.25	16.25	16.25	10.00	16.25
Limestone	14.50	14.50	14.50	14.50	14.50	14.50	14.50	0.00	0.00	0.00	0.00	0.00	7.25	7.25	7.25	7.25	7.25	7.25	7.25
Starter & Foliar Fertilizer	0.00	0.00	0.00	0.00	0.00	0.00	0.00	6.00	6.00	6.00	6.00	6.00	5.25	0.00	0.00	0.00	0.00	0.00	0.00
Pre-Emerge	12.00	12.00	15.00	15.00	15.00	17.00	10.00	15.00	15.00	15.00	27.00	27.00	0.00	15.00	15.00	15.00	17.00	20.00	
Post-Emerge	18.00	20.00	30.00	19.50	18.00	7.00	30.00	30.00	45.00	45.00	27.00	27.00	20.00	36.00	25.50	24.00	13.00	0.00	
Fungicide	15.00	15.00	15.00	15.00	15.00	0.00	15.00	0.00	18.00	0.00	18.00	0.00	15.00	15.00	15.00	15.00	15.00	0.00	0.00
Insecticide	18.00	0.00	5.00	5.00	5.00	15.00	15.00	32.00	0.00	0.00	0.00	0.00	10.00	18.00	18.00	18.00	35.00	8.00	
Drying Fuel & Electricity	24.00	24.00	0.00	0.00	0.00	15.60	0.00	0.00	48.00	54.00	48.00	54.00	0.00	0.00	0.00	0.00	13.20	0.00	
Miscellaneous Overhead	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	12.00	6.00	6.00	6.00	6.00	6.00	6.00	6.00
Machinery Fuel	17.00	17.00	9.00	9.00	9.00	16.00	17.00	22.00	20.00	20.00	20.00	20.00	9.00	6.00	6.00	6.00	6.00	11.00	14.00
Machinery Repairs	18.00	18.00	11.00	11.00	11.00	16.00	18.00	32.00	20.00	20.00	20.00	20.00	10.00	7.00	7.00	7.00	15.00	13.00	
Hauling & Transportation	32.00	32.00	8.80	8.80	8.80	20.80	7.50	0.00	25.60	28.80	25.60	28.80	11.20	7.20	7.20	7.20	17.60	6.40	
Growth Regulator (Cotton)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	10.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Defoliation & Desiccation	0.00	0.00	0.00	0.00	0.00	0.00	0.00	18.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.00
Labor	37.00	37.00	20.00	20.00	20.00	35.00	37.00	46.00	44.00	44.00	44.00	44.00	20.00	15.00	15.00	15.00	27.00	30.00	
Irrigation Fuel (Acre Inches)	24.00	24.00	16.00	16.00	16.00	20.00	24.00	18.00	40.00	40.00	40.00	40.00	0.00	16.00	16.00	16.00	16.00	16.00	16.00
Irrigation Repairs	10.00	10.00	10.00	10.00	10.00	10.00	15.00	10.00	10.00	10.00	10.00	10.00	0.00	10.00	10.00	10.00	10.00	10.00	10.00
Irrigation Labor	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	7.00	7.00	7.00	7.00	0.00	4.00	4.00	4.00	4.00	4.00	4.00
Scouting	0.00	0.00	0.00	0.00	0.00	0.00	0.00	8.00	8.00	8.00	8.00	8.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Custom Application	6.50	6.50	6.50	6.50	6.50	13.00	6.50	13.00	26.00	19.50	26.00	19.50	6.50	6.50	6.50	6.50	13.00	0.00	
Crop Insurance	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00
Interest (1/2 year at 6.0%)	13.98	14.77	8.60	8.07	7.34	10.09	11.69	14.26	13.67	16.59	15.31	16.35	6.62	8.40	7.85	7.05	9.37	6.09	
Total Variable Cost	\$ 479.85	\$ 507.15	\$ 295.25	\$ 277.22	\$ 251.99	\$ 346.34	\$ 401.49	\$ 489.71	\$ 469.27	\$ 569.54	\$ 525.66	\$ 561.30	\$ 227.27	\$ 288.30	\$ 269.55	\$ 241.95	\$ 321.72	\$ 209.19	
Fixed Costs																			
Fixed Machinery Cost	56.00	56.00	36.00	36.00	36.00	50.00	56.00	117.00	69.00	69.00	69.00	69.00	35.00	26.00	26.00	26.00	41.00	45.00	
Fixed Buildings & Bins Cost	23.00	23.00	8.00	8.00	8.00	18.00	3.00	3.00	15.00	17.00	15.00	17.00	4.00	7.00	7.00	7.00	13.00	3.00	
Fixed Irrigation Cost	77.00	77.00	77.00	77.00	77.00	77.00	77.00	77.00	73.00	73.00	73.00	73.00	0.00	77.00	77.00	77.00	77.00	77.00	77.00
Fixed Irrigation Cost	77.00	77.00	77.00	77.00	77.00	77.00	77.00	77.00	73.00	73.00	73.00	73.00	0.00	77.00	77.00	77.00	77.00	77.00	77.00
Total Costs (Excluding Land)	\$ 635.85	\$ 663.15	\$ 416.25	\$ 398.22	\$ 372.99	\$ 491.34	\$ 537.49	\$ 686.71	\$ 626.27	\$ 728.54	\$ 682.66	\$ 720.30	\$ 266.27	\$ 398.30	\$ 379.55	\$ 351.95	\$ 452.72	\$ 334.19	
Total Cost (Including Land or Rent)	\$ 797.85	\$ 825.15	\$ 578.25	\$ 560.22	\$ 534.99	\$ 653.34	\$ 699.49	\$ 848.71	\$ 788.27	\$ 890.54	\$ 844.66	\$ 882.30	\$ 347.27	\$ 479.30	\$ 460.55	\$ 432.95	\$ 533.72	\$ 415.19	
Estimated Returns																			
Returns Above Variable Costs	\$307.65	\$280.35	\$322.75	\$340.78	\$366.01	\$143.66	\$348.51	\$362.29	\$430.73	\$330.46	\$374.34	\$338.70	\$87.73	\$226.70	\$245.45	\$273.05	\$98.28	\$110.81	
Returns Above Mach & Buildings	\$151.65	\$124.35	\$201.75	\$219.78	\$245.01	(\$1.34)	\$212.51	\$165.29	\$273.73	\$171.46	\$217.34	\$179.70	\$48.73	\$116.70	\$135.45	\$163.05	(\$32.72)	(\$14.19)	
Returns Above Total Costs	(\$10.35)	(\$37.65)	\$39.75	\$57.78	\$83.01	(\$163.34)	\$50.51	\$3.29	\$111.73	\$9.46	\$55.34	\$17.70	(\$32.27)	\$35.70	\$54.45	\$82.05	(\$113.72)	(\$95.19)	
Breakeven Price	\$3.80	\$3.93	\$9.64	\$9.34	\$8.92	\$4.67	\$0.14	\$0.71	\$4.38	\$4.95	\$4.69	\$4.90	\$4.96	\$9.59	\$9.21	\$8.66	\$4.45	\$0.26	

A - Estimated Yield is based on the 5 year Southeast Missouri Average (2010-2014)

B - Estimated Price is from the December 2015 FAPRI Baseline Report

C - Costs are from the Southeast Missouri Crop Budgets for 2016