

University of Missouri Extension
Southeast Missouri Irrigation Crop Budgets 2018

	Corn 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	220	220	65	65	60	140	5000	1200	180	180	180	180	75	50	50	50	120	1600
Estimated Price (\$/Bushel) ^B	\$3.55	\$3.55	\$9.56	\$9.56	\$9.56	\$3.20	\$0.13	\$0.710	\$4.88	\$4.88	\$4.88	\$4.88	\$4.80	\$9.56	\$9.56	\$9.56	\$3.20	\$0.20
Estimated Gross Revenue (\$/Acre)	\$781.00	\$781.00	\$621.40	\$621.40	\$573.60	\$448.00	\$650.00	\$852.00	\$878.40	\$878.40	\$878.40	\$878.40	\$360.00	\$478.00	\$478.00	\$478.00	\$384.00	\$320.00
Variable Cost^C																		
Seed	74.38	112.63	62.00	54.00	32.00	25.00	50.00	120.00	26.00	137.00	86.75	135.00	36.00	68.20	59.40	35.20	25.00	24.20
Nitrogen	79.20	79.20	0.00	0.00	0.00	54.00	66.60	28.80	54.00	54.00	54.00	54.00	36.00	0.00	0.00	0.00	45.00	0.00
Phosphate	30.60	30.60	15.30	15.30	15.30	23.80	27.20	17.00	17.00	18.70	17.00	18.70	13.60	13.60	13.60	13.60	20.40	13.60
Potash	16.80	16.80	22.40	22.40	22.40	12.60	16.80	12.60	8.40	8.40	8.40	8.40	5.60	18.20	18.20	18.20	11.20	18.20
Limestone	14.50	14.50	14.50	14.50	14.50	14.50	14.50	14.50	0.00	0.00	0.00	0.00	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
Pre-Emerge	13.00	13.00	16.00	16.00	16.00	18.00	11.00	16.00	16.00	16.00	27.00	28.00	0.00	16.00	16.00	16.00	18.00	22.00
Post-Emerge	19.00	21.00	32.00	26.00	19.00	8.00	32.00	32.00	47.00	47.00	27.00	28.00	22.00	39.00	33.00	26.00	15.00	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	0.00	0.00
Insecticide	18.00	0.00	5.00	5.00	5.00	15.00	15.00	33.00	0.00	0.00	0.00	0.00	10.00	18.00	18.00	18.00	36.00	8.00
Drying Fuel & Electricity	36.00	36.00	0.00	0.00	0.00	25.20	0.00	0.00	48.00	54.00	48.00	54.00	0.00	0.00	0.00	0.00	19.80	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
Machinery Fuel	21.00	21.00	11.00	11.00	11.00	20.00	21.00	28.00	25.00	25.00	25.00	25.00	12.00	8.00	8.00	8.00	13.00	17.00
Machinery Repairs	19.00	19.00	12.00	12.00	12.00	17.00	19.00	33.00	21.00	21.00	21.00	21.00	11.00	8.00	8.00	8.00	15.00	13.00
Hauling & Transportation	34.00	34.00	9.35	9.35	9.35	23.80	7.50	0.00	27.20	30.60	27.20	30.60	11.90	7.65	7.65	7.65	18.70	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
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	7.00
Labor	38.00	38.00	21.00	21.00	21.00	36.00	38.00	46.00	45.00	45.00	45.00	45.00	21.00	15.00	15.00	15.00	27.00	31.00
Irrigation Fuel (Acre Inches)	30.00	30.00	20.00	16.00	16.00	25.00	30.00	22.50	40.00	40.00	40.00	40.00	0.00	20.00	20.00	20.00	20.00	20.00
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
Irrigation Labor	5.00	5.00	5.00	5.00	5.00	5.00	5.00	7.00	7.00	7.00	7.00	7.00	0.00	5.00	5.00	5.00	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
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
Interest (1/2 year at 6.0%)	15.06	15.73	8.97	8.43	7.56	11.04	12.36	14.86	14.15	17.08	15.70	16.81	6.87	8.74	8.30	7.36	10.03	6.53
Total Variable Cost	\$ 517.03	\$ 539.95	\$ 308.02	\$ 289.48	\$ 259.61	\$ 378.94	\$ 424.46	\$ 510.26	\$ 485.75	\$ 586.28	\$ 539.05	\$ 577.01	\$ 235.97	\$ 300.14	\$ 284.90	\$ 252.76	\$ 344.38	\$ 224.18
Fixed Costs																		
Fixed Machinery Cost	60.00	60.00	40.00	40.00	40.00	55.00	60.00	127.00	74.00	74.00	74.00	74.00	38.00	28.00	28.00	28.00	44.00	50.00
Fixed Buildings & Bins Cost	24.00	24.00	8.00	8.00	8.00	19.00	3.00	3.00	16.00	18.00	16.00	18.00	5.00	7.00	7.00	7.00	14.00	3.00
Fixed Irrigation Cost	86.00	86.00	86.00	86.00	86.00	86.00	86.00	86.00	74.00	74.00	74.00	74.00	0.00	86.00	86.00	86.00	86.00	86.00
Fixed Irrigation Cost	86.00	86.00	86.00	86.00	86.00	86.00	86.00	86.00	74.00	74.00	74.00	74.00	0.00	86.00	86.00	86.00	86.00	86.00
Total Costs (Excluding Land)	\$ 687.03	\$ 709.95	\$ 442.02	\$ 423.48	\$ 393.61	\$ 538.94	\$ 573.46	\$ 726.26	\$ 649.75	\$ 752.28	\$ 703.05	\$ 743.01	\$ 278.97	\$ 421.14	\$ 405.90	\$ 373.76	\$ 488.38	\$ 363.18
Land Real Estate Taxes	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
Land Interest	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	150.00	75.00	75.00	75.00	75.00	75.00	75.00
Total Cost (Including Land or Rent)	\$ 849.03	\$ 871.95	\$ 604.02	\$ 585.48	\$ 555.61	\$ 700.94	\$ 735.46	\$ 888.26	\$ 811.75	\$ 914.28	\$ 865.05	\$ 905.01	\$ 359.97	\$ 502.14	\$ 486.90	\$ 454.76	\$ 569.38	\$ 444.18
Estimated Returns																		
Returns Above Variable Costs	\$263.97	\$241.05	\$313.38	\$331.92	\$313.99	\$69.06	\$225.54	\$341.74	\$392.65	\$292.12	\$339.35	\$301.39	\$124.03	\$177.86	\$193.10	\$225.24	\$39.62	\$95.82
Returns Above Mach & Buildings	\$93.97	\$71.05	\$179.38	\$197.92	\$179.99	(\$90.94)	\$76.54	\$125.74	\$228.65	\$126.12	\$175.35	\$135.39	\$81.03	\$56.86	\$72.10	\$104.24	(\$104.38)	(\$43.18)
Returns Above Total Costs	(\$68.03)	(\$90.95)	\$17.38	\$35.92	\$17.99	(\$252.94)	(\$85.46)	(\$36.26)	\$66.65	(\$35.88)	\$13.35	(\$26.61)	\$0.03	(\$24.14)	(\$8.90)	\$23.24	(\$185.38)	(\$124.18)
Breakeven Price	\$3.86	\$3.96	\$9.29	\$9.01	\$9.26	\$5.01	\$0.15	\$0.74	\$4.51	\$5.08	\$4.81	\$5.03	\$4.80	\$10.04	\$9.74	\$9.10	\$4.74	\$0.28
Breakeven Yield	239	246	63	61	58	219	5,657	1,251	166	187	177	185	75	53	51	48	178	2,221

A -

B - Estimated Price is from the November 2017 FAPRI

C - Costs are from the Southeast Missouri Crop Budgets for 2018