

Projections for Planning Purposes Only -- Not to be Used without Updating
2014 Estimated Costs and Returns per Acre
Rice West of Houston, 1st Crop, Surface Water - 450 Acres
Coastal Bend Extension District - 11

Crop Acres		450				Enterprise
REVENUE	Quantity	Units	\$/Unit	Total	Total	Total
Rice 1st Crop Loan	70.00	CWT	\$6.90	\$483.00		\$217,350.00
Rice 1st Crop Premium	70.00	CWT	\$7.50	\$525.00		\$236,250.00
Total Revenue				\$1,008.00		\$453,600.00
VARIABLE COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Production Costs						
Seed						
Rice	0.9	CWT	\$48.00	\$43.20		\$19,440.00
Fertilizer						
17-21-14-4.3S	0.141	Ton	\$505.18	\$71.23		\$32,053.67
33-0-0	0.1	Ton	\$416.18	\$41.62		\$18,728.10
46-0-0 ton	0.075	Ton	\$480.00	\$36.00		\$16,200.00
Herbicide						
Clomazone	0.1	Gallon	\$138.00	\$13.80		\$6,210.00
Rice PostEmerge Herbicide 1	1	Acre	\$43.43	\$43.43		\$19,543.50
Rice PostEmerge Herbicide 2	7	Ounce	\$1.91	\$13.37		\$6,016.50
Insecticide						
Waterweevil	1.6	Ounce	\$3.20	\$5.12		\$2,304.00
Stinkbug Pyrthyroid Rice	1.6	Ounce	\$3.20	\$5.12		\$2,304.00
Stinkbug Pyrthyroid Rice	1.6	Ounce	\$3.20	\$5.12		\$2,304.00
Fungicides						
Rice Fungicide	1	Acre	\$43.56	\$43.56		\$19,602.00
Other Chemicals						
Herbicide Surfactant	1	Acre	\$2.50	\$2.50		\$1,125.00
Herbicide Surfactant	1	Acre	\$2.50	\$2.50		\$1,125.00
Herbicide Surfactant	0.5	Acre	\$2.50	\$1.25		\$562.50
Fungicide Surfactant	1	Acre	\$0.75	\$0.75		\$337.50
Miscellaneous						
Crop Insurance -Rice	1	Acre	\$19.00	\$19.00		\$8,550.00
G&A Overhead	1	Acre	\$10.50	\$10.50		\$4,725.00
Pickup Milage Charge - Rice	1	Acre	\$18.50	\$18.50		\$8,325.00
Base Water Charge	1	Acre	\$66.32	\$66.32		\$29,844.00
Butt Up Field	1	Acre	\$4.00	\$4.00		\$1,800.00
Plastic	1	Acre	\$2.50	\$2.50		\$1,125.00
Pipe	1	Acre	\$3.00	\$3.00		\$1,350.00
Check Off	70	CWT	\$0.08	\$5.60		\$2,520.00
Commission	70	CWT	\$0.08	\$5.60		\$2,520.00
Rice Storage	70	CWT	\$0.32	\$22.40		\$10,080.00
Custom						
Base Fertilizer	1	Acre	\$6.00	\$6.00		\$2,700.00
Ground Application	1	Acre	\$6.00	\$6.00		\$2,700.00
Survey Levees	1	Acre	\$6.00	\$6.00		\$2,700.00
Pre-Flood Application	1	Acre	\$11.87	\$11.87		\$5,341.50
Aerial Application	1	Acre	\$7.80	\$7.80		\$3,510.00
Top Dress	1	Acre	\$9.18	\$9.18		\$4,131.00
Aerial Application	0.5	Acre	\$7.80	\$3.90		\$1,755.00
Aerial Application	1	Acre	\$7.80	\$7.80		\$3,510.00
Aerial Application	1	Acre	\$7.80	\$7.80		\$3,510.00
Aerial Application	1	Acre	\$7.80	\$7.80		\$3,510.00
Rice Hauling	80.5	CWT	\$0.36	\$28.98		\$13,041.00
Rice Drying	80.5	CWT	\$1.25	\$100.63		\$45,281.25
Irrigation						
Energy or Water Cost	2.75	AcreFoot	\$15.80	\$43.45		\$19,552.50
Irrigation Labor	1.57	Hour	\$13.75	\$21.59		\$9,714.38
Machinery Labor						
Tractors/Self-Propelled	1.32	Hour	\$13.75	\$18.15		\$8,167.50
Diesel Fuel						
Tractors/Self-Propelled	12.09	Gallon	\$3.30	\$39.90		\$17,953.65
Repairs & Maintenance						
Irrigation Equipment	1	Acre	\$0.01	\$0.01		\$5.33
Tractors/Self-Propelled	1	Acre	\$18.48	\$18.48		\$8,316.74
Implements	1	Acre	\$11.92	\$11.92		\$5,365.55
Interest on Credit Line						
			5.00%	\$25.13		\$11,306.84
Total Variable Costs				\$868.37		\$390,767.01
Planned Returns Above Variable Costs:						\$139.63
Breakeven Price to Cover Variable Costs			\$4.91	CWT		\$62,832.99
FIXED COSTS	Quantity	Units	\$/Unit	Total	Total	Enterprise
Machinery Depreciation						
Irrigation Equipment	1	Acre	\$0.24	\$0.24		\$106.67
Tractors/Self-Propelled	1	Acre	\$28.39	\$28.39		\$12,776.95
Implements	1	Acre	\$15.16	\$15.16		\$6,821.74
Equipment Investment						
Irrigation Equipment	\$3.56	Dollars	7.00%	\$0.25		\$112.00
Tractors/Self-Propelled	\$373.19	Dollars	7.00%	\$26.12		\$11,755.43
Implements	\$303.52	Dollars	7.00%	\$21.25		\$9,560.81
Management Fee, Owner/Operator Labor	1	Acre	\$50.40	\$50.40		\$22,680.00
Rice - Land Charge	1	Acre	\$120.00	\$120.00		\$54,000.00
Total Fixed Costs				\$261.81		\$117,813.59
Total Specified Costs				\$1,130.18		\$508,580.59
Returns Above Specified Costs						(\$122.18)
Breakeven Price to Cover Total Costs			\$8.65	CWT		

Example Breakeven Prices						
Example Yield Percent	Example Yield CWT	Price Needed to Cover Example Variable Costs		Price Needed to Cover Example Total Costs		
		Own/Rent	ShareTenant	Own/Rent	ShareTenant	Landlord
75%	52.50	\$6.54	\$6.54	\$11.53	\$11.53	\$0.00
90%	63.00	\$5.45	\$5.45	\$9.61	\$9.61	\$0.00
100%	70.00	\$4.91	\$4.91	\$8.65	\$8.65	\$0.00
110%	77.00	\$4.46	\$4.46	\$7.86	\$7.86	\$0.00
125%	87.50	\$3.92	\$3.92	\$6.92	\$6.92	\$0.00

Developed by Levi Russell, Assistant Professor and Extension Economist, Texas A&M AgriLife Extension Service.

Information presented is prepared solely as a general guide and not intended to recognize or predict the costs and returns from any one operation. Brand names are mentioned only as examples and imply no endorsement.