



**Southeast - Alfalfa (Furrow Irrigation)**

**2015**

**Estimated Production Costs & Returns**

**GROSS RECEIPTS FROM PRODUCTION**

GROSS RECEIPTS	UNIT	PRICE	YIELD	PER ACRE	PER TON	YOUR FARM
Alfalfa Hay	tons	\$140.00	4.7	\$658	\$140.00	_____
<b>Total Receipts</b>				<b>\$658</b>		<b>\$0</b>

**DIRECT COSTS**

	UNIT	COST PER UNIT	QUANTITY	PER ACRE	PER TON	YOUR FARM
<b>OPERATING PREHARVEST</b>						
Establishment (5-year allocation)	acre	0.00	1	55.00	11.70	_____
<b>Tillage</b>						
Furrow	acre	0.00	1	15.00	3.19	_____
<b>Fertilizer (11-52-0)</b>						
Custom Application	acre	10.00	1	10.00	2.13	_____
<b>Herbicide</b>						
Lorsban	pint	7.00	1	7.00	1.49	_____
Application	dollars	10.00	1	10.00	2.13	_____
Spot Spray (Roundup)	acre	12.00	0.70	17.14	3.65	_____
<b>Irrigation</b>						
Water Assessment (surface)	dollars	7.52	1	7.52	1.60	_____
Labor (5 irrigations)	dollars	30.00	1	30.00	6.38	_____
Crop Insurance (NAP)	dollars	5.00	1	5.00	1.06	_____
Fuel	dollars	0.00	1	0.00	0.00	_____
Repairs & Maintenance	dollars	0.00	1	0.00	0.00	_____
Interest (6 months @ 6.0%)	dollars	2.45	1	2.45	0.52	_____
<b>Total Pre-Harvest Expenses</b>				<b>\$115.36</b>	<b>\$24.54</b>	<b>\$0.00</b>
<b>HARVEST COSTS</b>						
Swath (4 cuttings)	acre	12.00	4	48.00	10.21	_____
Rake (only for 2nd cutting)	acre	5.00	1	5.00	1.06	_____
Bale (4x4 large bales)	acre	15.00	4	60.00	12.77	_____
Hauling	ton	4.00	4.70	18.80	4.00	_____
<b>Total Harvest Costs</b>				<b>\$131.80</b>	<b>\$28.04</b>	<b>\$0.00</b>
<b>Total Operating Costs</b>				<b>\$247.16</b>	<b>\$52.59</b>	<b>\$0.00</b>
<b>PROPERTY &amp; OWNERSHIP COSTS</b>						
General Farm Overhead	dollars	65.00	1	65.00	13.83	_____
Depreciation	dollars	10.00	1	10.00	2.13	_____
Real Estate Taxes	dollars	23.00	1	23.00	4.89	_____
<b>Total Property &amp; Ownership Costs</b>				<b>\$98.00</b>	<b>\$20.85</b>	<b>\$0.00</b>
<b>TOTAL DIRECT COSTS</b>				<b>\$345.16</b>	<b>\$73.44</b>	<b>\$0.00</b>
<b>NET RECEIPTS BEFORE FACTOR PAYMENTS</b>				<b>\$312.84</b>	<b>\$66.56</b>	<b>\$0.00</b>
<b>FACTOR PAYMENTS</b>						
Land (\$5,000 @ 4%)				200.00	42.55	_____
<b>RETURN TO MANAGEMENT &amp; RISK</b>				<b>\$112.84</b>	<b>\$24.01</b>	<b>\$0.00</b>

**BREAKEVEN ANALYSIS - PER ACRE RETURNS OVER TOTAL DIRECT COSTS (\$/ACRE)**

ALTERNATIVE YIELDS		ALTERNATIVE PRICES (\$/ton)				
		-25%	-10%	10%	25%	
		\$105.00	\$126.00	\$140.00	\$154.00	\$175.00
-25%	3.5	\$24.97	\$98.99	\$148.34	\$197.69	\$271.72
-10%	4.2	\$98.99	\$187.82	\$247.04	\$306.26	\$395.09
TONS PER ACRE	4.7	\$148.34	\$247.04	\$312.84	\$378.64	\$477.34
	10%	\$197.69	\$306.26	\$378.64	\$451.02	\$559.59
	25%	\$271.72	\$395.09	\$477.34	\$559.59	\$682.97