

# Southwestern Idaho: Treasure Valley

## Feed Barley



### Background and Assumptions

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The model farm is a 100-acre farm located in the Treasure Valley of southwestern Idaho. The farm is owned and operated by a farmer who is a member of the University of Idaho's Farm Income Stabilization Program (FISP). The farm is used for the production of feed barley. The model farm is assumed to be a typical farm in the region. The model farm is assumed to be a typical farm in the region.

### The Model Farm

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Table 1. 2009 Irrigated Feed Barley: Southwestern Idaho.

Item	Quantity Per Acre	Unit	Price or Cost	Value or Cost/Acre
<b>Gross Returns</b>				
Feed Barley	65	cwt	\$6.10	\$396.50
<b>Operating Inputs</b>				
<b>Seed:</b>				
				\$27.60
Barley Seed	120	lb	\$0.23	\$27.60
				\$0.00
<b>Fertilizer:</b>				
				\$85.90
Dry Nitrogen	135	lb	\$0.50	\$67.50
Dry P2O5	40	lb	\$0.46	\$18.40
				\$0.00
				\$0.00
				\$0.00
<b>Pesticides:</b>				
				\$14.30
Harmony Extra XP	0.5	oz	\$15.80	\$7.90
Bronate Advanced (2.5 lb)	1	pt	\$6.40	\$6.40
				\$0.00
				\$0.00
				\$0.00
<b>Custom &amp; Consultants:</b>				
				\$70.10
Custom Fertilize	2	ac	\$7.75	\$15.50
Custom Combine	1	ac	\$36.00	\$36.00
Custom Haul	62	cwt	\$0.30	\$18.60
				\$0.00
				\$0.00
<b>Irrigation:</b>				
				\$46.00
Water Assessment	1	ac	\$43.25	\$43.25
Irrigation Repairs - CD*	1	ac	\$2.75	\$2.75
				\$0.00
<b>Machinery:</b>				
				\$33.03
Fuel - Gas	1.25	gal	\$2.30	\$2.88
Fuel - Diesel	8.5	gal	\$2.00	\$17.00
Lube	1	ac	\$3.00	\$3.00
Machinery Repairs	1	ac	\$10.15	\$10.15
<b>Labor:</b>				
				\$59.47
Labor (machine)	1.9	hr	\$15.60	\$29.64
Labor (irrigation - cd)	2.45	hr	\$11.05	\$27.07
Labor (other)	0.3	hr	\$9.20	\$2.76
<b>Storage:</b>				
				\$0.00
				\$0.00
				\$0.00
<b>Other:</b>				
				\$8.00
Crop Insurance	1	ac	\$8.00	\$8.00
				\$0.00
Operating Interest @ 6.75%				\$9.70
Total Operating Costs				\$354.10
Operating Costs per Unit				\$5.45
Net Returns Above Operating Expenses				\$42.40

Table 1. 2009 Irrigated Feed Barley: Southwestern Idaho.

Final  
3/8/2010

Item	Quantity Per Acre	Unit	Price or Cost	Value or Cost/Acre

**Table 2. Monthly Summary of Cash Expenses per Acre**

**EBB2-FB-09**

	Nov 08	Dec 08	Jan 09	Feb 09	Mar 09	Apr 09	May 09	Jun 09	Jul 09	Aug 09	Sep 09	Oct 09	Total
<b>Preharvest:</b>													
Fertilize	30.15				71.25								101.40
Rip/subsoil	11.04												11.04
Harrow					10.95								10.95
Plane					5.14								5.14
Crop Insurance						8.00							8.00
Assessments						43.25							43.25
Repairs						2.75							2.75
Seed Hauling						3.63							3.63
Plant						39.60							39.60
Corrugate						5.78							5.78
Irrigate						3.87	7.74	11.60	3.87				27.07
Ground Spray							17.23						17.23
General Pickup Use	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	1.17	14.02
<b>Total Preharvest Costs</b>	<b>42.36</b>	<b>1.17</b>	<b>1.17</b>	<b>1.17</b>	<b>88.51</b>	<b>108.05</b>	<b>26.13</b>	<b>12.77</b>	<b>5.04</b>	<b>1.17</b>	<b>1.17</b>	<b>1.17</b>	<b>289.87</b>
<b>Harvest:</b>													
Combine										36.00			36.00
Crop Hauling										18.60			18.60
<b>Total Harvest Costs</b>										<b>54.60</b>			<b>54.60</b>
Interest on Operating Capital	0.24	0.24	0.25	0.26	0.76	1.36	1.51	1.58	1.61	1.92	-0.01	-0.01	9.72
<b>Operating Costs per Acre</b>	<b>42.60</b>	<b>1.41</b>	<b>1.42</b>	<b>1.43</b>	<b>89.26</b>	<b>109.41</b>	<b>27.64</b>	<b>14.35</b>	<b>6.65</b>	<b>57.69</b>	<b>1.16</b>	<b>1.16</b>	<b>354.19</b>
<b>Cash Ownership</b>													
General Overhead	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	1.25	15.00
Land Rent					175.00								175.00
Management Fee	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	2.08	25.00
Property Insurance						1.22							1.22
<b>Cash Ownership Costs</b>	<b>3.33</b>	<b>3.33</b>	<b>3.33</b>	<b>3.33</b>	<b>178.33</b>	<b>4.55</b>	<b>3.33</b>	<b>3.33</b>	<b>3.33</b>	<b>3.33</b>	<b>3.33</b>	<b>3.33</b>	<b>216.22</b>
<b>Total Cash Costs per Acre</b>	<b>45.93</b>	<b>4.75</b>	<b>4.75</b>	<b>4.76</b>	<b>267.59</b>	<b>113.96</b>	<b>30.98</b>	<b>17.69</b>	<b>9.98</b>	<b>61.03</b>	<b>4.50</b>	<b>4.49</b>	<b>570.41</b>

**Table 3. ~~4.58~~**

Table 4. Ranging Analysis

EBB2-FB-09

Net Returns Per Acre Above Operating Costs For Barley  
Yield (cwt/acre)

	45.50	52.00	58.50	65.00	71.50	78.00	84.50
Price (dollars/cwt)							
4.27	-160	-132	-104	-77	-49	-21	7
4.88	-132	-100	-69	-37	-5	26	58
5.49	-104	-69	-33	3	38	74	110