

# *AgriProfit\$*

**Cost and Return Profiles for  
Selected Crops, 2006  
*Brown and Dark Brown  
Soil Zones***



**Alberta**

April 2008

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# OVERVIEW

## 2006 Brown and Dark Brown Soil Zones

The AgriProfit\$ Cost and Return study is a provincial overview of costs and returns for various annual field crops and forages grown throughout the province. Participating farmers are interviewed throughout the winter and the Alberta Agriculture and Rural Development (ARD), Economics Unit compiles all the information into this summary package. This detailed and world-class database is used for extension and research purposes.

In this package you will find a brief summary of various field crops and forages grown in the brown/dark brown soil zones. Where numbers warrant, there are two levels of analysis – the group average and the top third. The top third analysis is based on the top third of fields that have the highest return to equity.

The map on the upper right illustrates the brown/dark brown soil zone areas in Alberta. Please note that farms highlighted within this zone may contain characteristics of neighbouring soil zones, however, this is the grouping method used for this study.

The map on the lower right highlights the locations of participating farmers for the AgriProfits program season, for January 2006 to December 2006.

For questions regarding this document please contact:

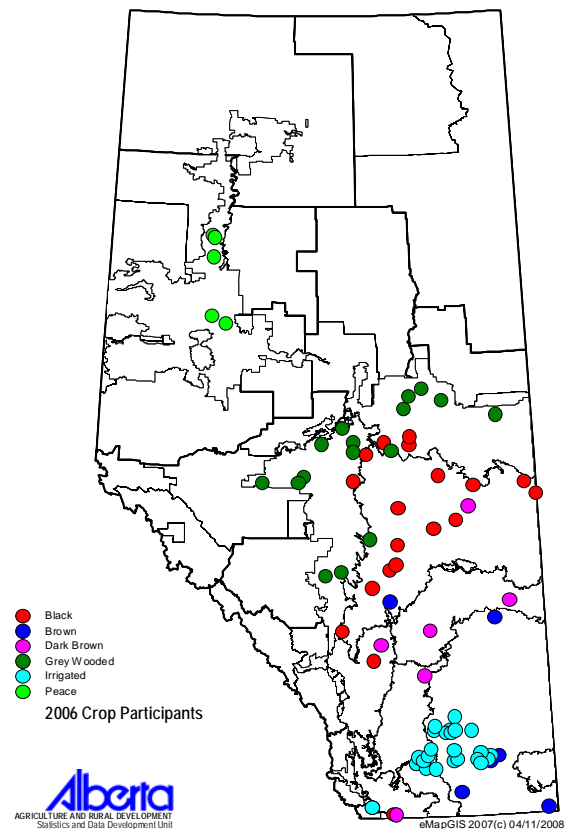
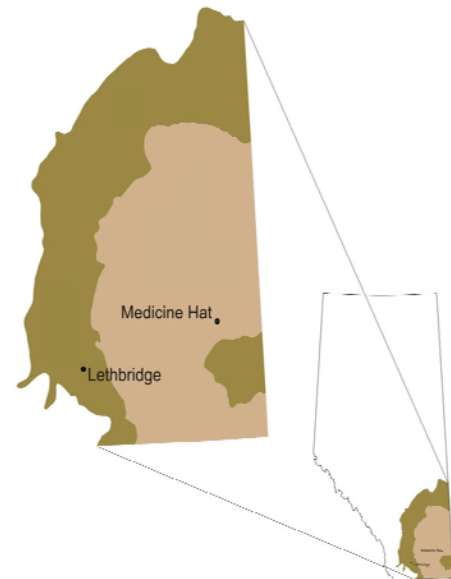
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OR

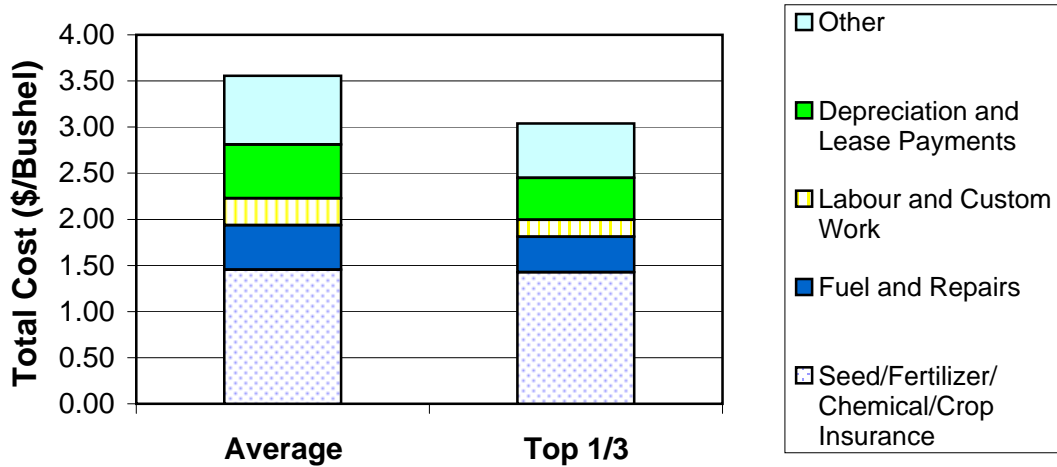
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### Acknowledgements:

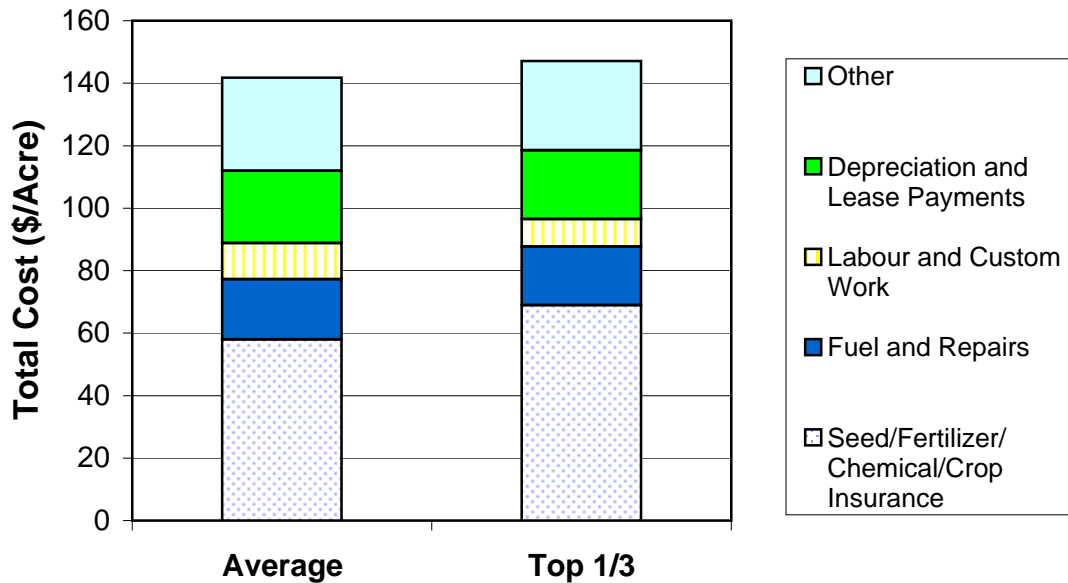
Dale Kaliel, Pauline Van Biert, Shukun Guan, Guangzhi Liu, Nabi Chaudhary, Karla Bergstrom, Interviewers and Participants.



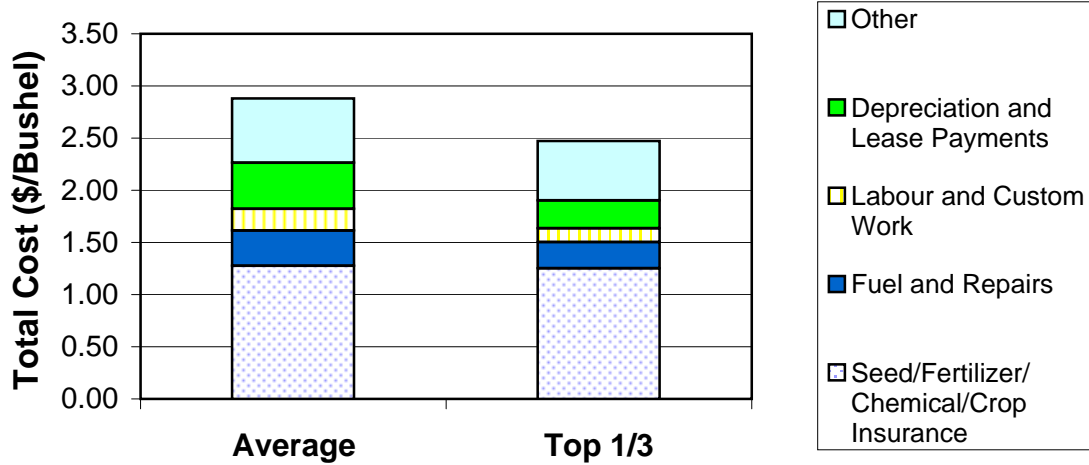
### 2006 Spring Wheat in Brown/ Dark Brown Soil Zones



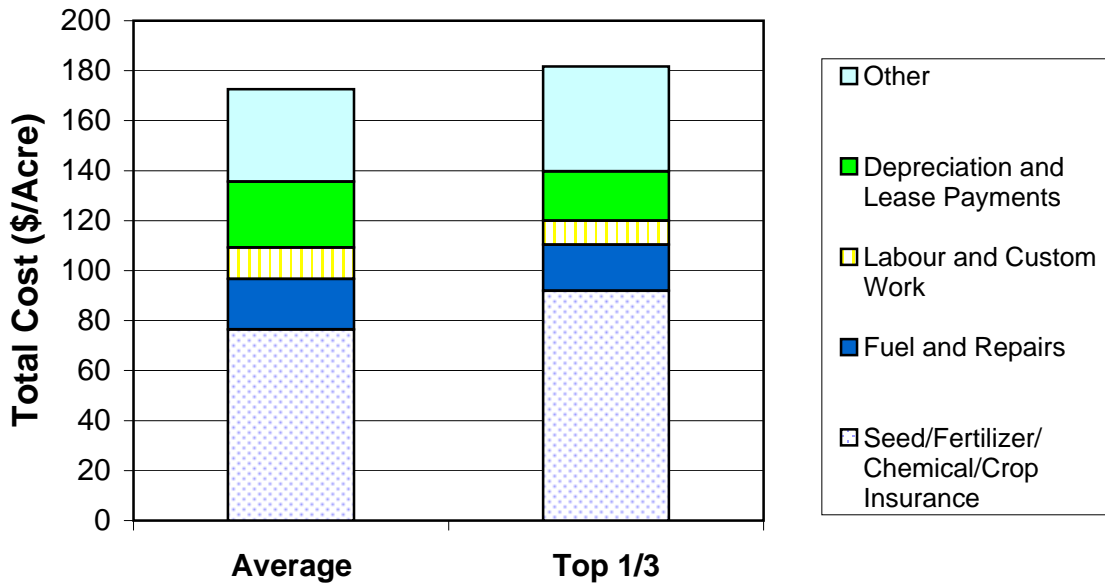
### 2006 Spring Wheat in Brown/ Dark Brown Soil Zones



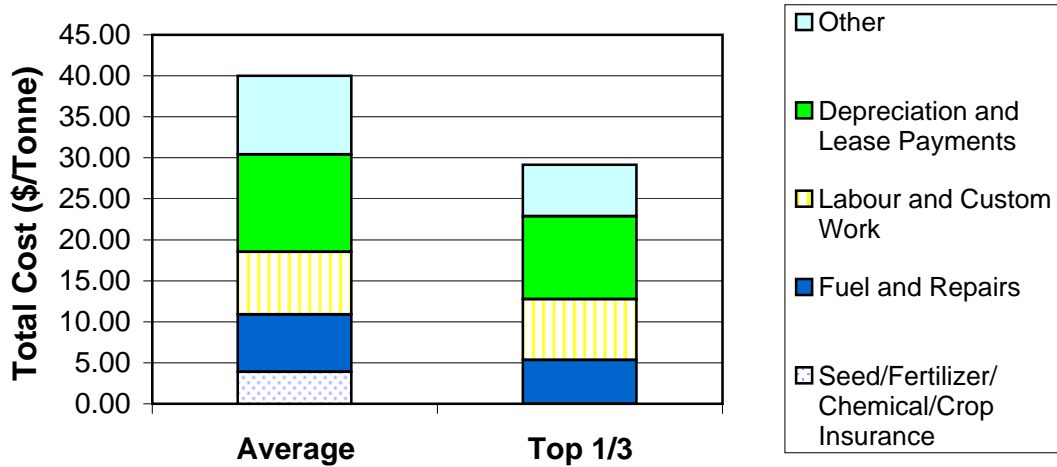
### 2006 Feed Barley in Brown/ Dark Brown Soil Zones (on Stubble)



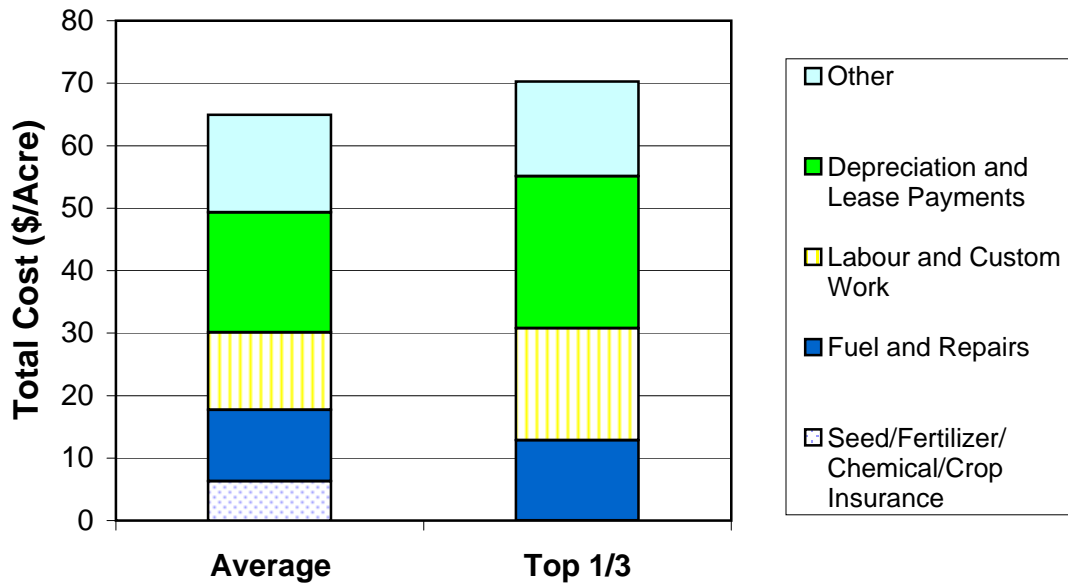
### 2006 Feed Barley in Brown/ Dark Brown Soil Zones (on Stubble)



### 2006 Mixed Hay in Brown/ Dark Brown Soil Zones (on Stubble)



### 2006 Mixed Hay in Brown/ Dark Brown Soil Zones (on Stubble)



## 2006 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** *Spring Wheat - All*  
**Soil Zone:** *Brown/ Dark Brown - Dryland*  
**Unit:** *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	180.76	223.23	4.54	4.61
	2. Crop Insurance Receipts	2.36	4.45	0.06	0.09
	3. Other Receipts	12.98	15.12	0.33	0.31
	<b>Gross Receipts</b>	<b>196.10</b>	<b>242.81</b>	<b>4.92</b>	<b>5.02</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	8.29	9.52	0.21	0.20
	2. Fertilizer	22.93	29.07	0.58	0.60
	3. Chemical	17.57	19.99	0.44	0.41
	4. Hail/Crop Insurance Premium	9.17	10.32	0.23	0.21
	5. Trucking and Marketing	5.96	6.00	0.15	0.12
	6. Fuel	10.26	9.52	0.26	0.20
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	8.43	8.63	0.21	0.18
	9. Repairs - Buildings	0.54	0.61	0.01	0.01
	10. Utilities and Miscellaneous	7.65	8.92	0.19	0.18
	11. Custom Work	0.71	0.21	0.02	0.00
	12. Operating Interest Paid	1.34	0.86	0.03	0.02
	13. Paid Labour	0.71	0.62	0.02	0.01
	14. Unpaid Labour	10.20	7.99	0.26	0.17
	<b>Variable Costs</b>	<b>103.75</b>	<b>112.26</b>	<b>2.60</b>	<b>2.32</b>
<b>(C)</b>	1. Cash/ Share Land Rent	6.42	4.21	0.16	0.09
	2. Taxes, Water Rates, License & Ins.	4.22	4.95	0.11	0.10
	3. Equipment and Building: a) Depreciation	22.35	22.01	0.56	0.46
	b) Lease Payments	0.83	0.00	0.02	0.00
4. Paid Capital Interest	4.17	3.62	0.10	0.07	
	<b>Capital Costs</b>	<b>37.99</b>	<b>34.80</b>	<b>0.95</b>	<b>0.72</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>109.19</b>	<b>117.05</b>	<b>2.74</b>	<b>2.42</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>141.74</b>	<b>147.05</b>	<b>3.56</b>	<b>3.04</b>
	<b>Gross Margin (A-D)</b>	<b>86.91</b>	<b>125.75</b>	<b>2.18</b>	<b>2.60</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>64.56</b>	<b>103.74</b>	<b>1.62</b>	<b>2.14</b>
	<b>Return to Investment (A-E+C4)</b>	<b>58.53</b>	<b>99.38</b>	<b>1.47</b>	<b>2.05</b>
	<b>Return to Equity (A-E)</b>	<b>54.36</b>	<b>95.76</b>	<b>1.36</b>	<b>1.98</b>

### Investment

Buildings	106.10	107.62
Machinery	188.65	178.54
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>1067.44</b>	<b>1271.16</b>

### Management

Average Yield (Bushel/acre)	39.85	48.37
Expected Market Price (\$/Bushel)	4.54	4.61

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** *Spring Wheat - Own*  
**Soil Zone:** *Brown/ Dark Brown - Dryland*  
**Unit:** *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
<b>(A)</b>	1. Crop Sales	186.92	224.41	4.55	4.57	
	2. Crop Insurance Receipts	3.04	5.40	0.07	0.11	
	3. Other Receipts	11.71	14.39	0.29	0.29	
	<b>Gross Receipts</b>	<b>201.67</b>	<b>244.20</b>	<b>4.91</b>	<b>4.98</b>	
<b>(B)</b>	<b>Cost Items</b>					
	1. Seed	8.13	8.59	0.20	0.18	
	2. Fertilizer	23.98	28.84	0.58	0.59	
	3. Chemical	18.50	19.71	0.45	0.40	
	4. Hail/Crop Insurance Premium	8.89	9.95	0.22	0.20	
	5. Trucking and Marketing	6.48	6.85	0.16	0.14	
	6. Fuel	10.16	9.60	0.25	0.20	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	8.60	9.07	0.21	0.18	
	9. Repairs - Buildings	0.55	0.62	0.01	0.01	
	10. Utilities and Miscellaneous	8.11	9.72	0.20	0.20	
	11. Custom Work	0.67	0.25	0.02	0.01	
	12. Operating Interest Paid	1.08	0.47	0.03	0.01	
	13. Paid Labour	0.64	0.75	0.02	0.02	
	14. Unpaid Labour	9.63	7.51	0.23	0.15	
	<b>Variable Costs</b>	<b>105.41</b>	<b>111.93</b>	<b>2.57</b>	<b>2.28</b>	
<b>(C)</b>	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00	
	2. Taxes, Water Rates, License & Ins.	4.80	5.36	0.12	0.11	
	3. Equipment and Building: a) Depreciation	23.49	23.22	0.57	0.47	
	b) Lease Payments	1.07	0.00	0.03	0.00	
4. Paid Capital Interest	4.70	3.62	0.11	0.07		
	<b>Capital Costs</b>	<b>34.06</b>	<b>32.21</b>	<b>0.83</b>	<b>0.66</b>	
<b>(D)</b>	<b>Cash Costs</b>	<b>(B+C-B14-C3a)</b>	<b>106.35</b>	<b>113.40</b>	<b>2.59</b>	<b>2.31</b>
<b>(E)</b>	<b>Total Production Costs</b>	<b>(B+C)</b>	<b>139.47</b>	<b>144.14</b>	<b>3.40</b>	<b>2.94</b>
	<b>Gross Margin</b>	<b>(A-D)</b>	<b>95.32</b>	<b>130.79</b>	<b>2.32</b>	<b>2.66</b>
	<b>Return to Unpaid Labour</b>	<b>(A-E+B14)</b>	<b>71.83</b>	<b>107.57</b>	<b>1.75</b>	<b>2.19</b>
	<b>Return to Investment</b>	<b>(A-E+C4)</b>	<b>66.91</b>	<b>103.68</b>	<b>1.63</b>	<b>2.11</b>
	<b>Return to Equity</b>	<b>(A-E)</b>	<b>62.20</b>	<b>100.06</b>	<b>1.51</b>	<b>2.04</b>

**Investment**

Buildings	104.51	110.71
Machinery	203.78	191.38
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>1301.14</b>	<b>1326.45</b>

**Management**

Average Yield	(Bushel/acre)	41.06	49.08
Expected Market Price	(\$/Bushel)	4.55	4.57



## 2006 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** *Spring Wheat - Rent*  
**Soil Zone:** *Brown/ Dark Brown - Dryland*  
**Unit:** *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
<b>(A)</b>	1. Crop Sales	159.12	--	4.47	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	17.43	--	0.49	--	
	<b>Gross Receipts</b>	<b>176.55</b>	<b>0.00</b>	<b>4.96</b>	<b>0.00</b>	
<b>(B)</b>	<b>Cost Items</b>					
	1. Seed	8.83	--	0.25	--	
	2. Fertilizer	19.22	--	0.54	--	
	3. Chemical	14.31	--	0.40	--	
	4. Hail/Crop Insurance Premium	10.16	--	0.29	--	
	5. Trucking and Marketing	4.11	--	0.12	--	
	6. Fuel	10.61	--	0.30	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	7.83	--	0.22	--	
	9. Repairs - Buildings	0.54	--	0.02	--	
	10. Utilities and Miscellaneous	6.03	--	0.17	--	
	11. Custom Work	0.87	--	0.02	--	
	12. Operating Interest Paid	2.25	--	0.06	--	
	13. Paid Labour	0.94	--	0.03	--	
	14. Unpaid Labour	12.21	--	0.34	--	
<b>Variable Costs</b>	<b>97.93</b>	<b>0.00</b>	<b>2.75</b>	<b>0.00</b>		
<b>(C)</b>	1. Cash/ Share Land Rent	28.95	--	0.81	--	
	2. Taxes, Water Rates, License & Ins.	2.19	--	0.06	--	
	3. Equipment and Building:	a) Depreciation	18.35	--	0.52	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	2.28	--	0.06	--	
<b>Capital Costs</b>	<b>51.77</b>	<b>0.00</b>	<b>1.45</b>	<b>0.00</b>		
<b>(D)</b>	<b>Cash Costs</b>	<b>(B+C-B14-C3a)</b>	<b>119.13</b>	<b>--</b>	<b>3.35</b>	<b>--</b>
<b>(E)</b>	<b>Total Production Costs</b>	<b>(B+C)</b>	<b>149.70</b>	<b>--</b>	<b>4.21</b>	<b>--</b>
	<b>Gross Margin</b>	<b>(A-D)</b>	<b>57.41</b>	<b>--</b>	<b>1.61</b>	<b>--</b>
	<b>Return to Unpaid Labour</b>	<b>(A-E+B14)</b>	<b>39.06</b>	<b>--</b>	<b>1.10</b>	<b>--</b>
	<b>Return to Investment</b>	<b>(A-E+C4)</b>	<b>29.13</b>	<b>--</b>	<b>0.82</b>	<b>--</b>
	<b>Return to Equity</b>	<b>(A-E)</b>	<b>26.85</b>	<b>--</b>	<b>0.75</b>	<b>--</b>

### Investment

Buildings	111.69	--
Machinery	135.55	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>247.25</b>	<b>--</b>

### Management

Average Yield	(Bushel/acre)	35.59	--
Expected Market Price	(\$/Bushel)	4.47	--

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** *Spring Wheat - Own*  
**Soil Zone:** *Brown/ Dark Brown - Dryland - Stubble*  
**Unit:** *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	189.50	237.25	4.60	4.60
	2. Crop Insurance Receipts	4.52	8.93	0.11	0.17
	3. Other Receipts	11.68	14.81	0.28	0.29
<b>Gross Receipts</b>		<b>205.70</b>	<b>260.99</b>	<b>4.99</b>	<b>5.06</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	8.24	9.73	0.20	0.19
	2. Fertilizer	24.53	27.49	0.60	0.53
	3. Chemical	20.31	21.77	0.49	0.42
	4. Hail/Crop Insurance Premium	9.37	11.12	0.23	0.22
	5. Trucking and Marketing	8.08	9.07	0.20	0.18
	6. Fuel	11.80	12.07	0.29	0.23
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	9.64	10.31	0.23	0.20
	9. Repairs - Buildings	0.77	1.03	0.02	0.02
	10. Utilities and Miscellaneous	7.72	7.99	0.19	0.15
	11. Custom Work	0.99	0.42	0.02	0.01
	12. Operating Interest Paid	1.48	0.78	0.04	0.02
	13. Paid Labour	0.53	0.38	0.01	0.01
	14. Unpaid Labour	10.31	7.55	0.25	0.15
<b>Variable Costs</b>		<b>113.77</b>	<b>119.70</b>	<b>2.76</b>	<b>2.32</b>
<b>(C)</b>	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00
	2. Taxes, Water Rates, License & Ins.	5.06	5.94	0.12	0.12
	3. Equipment and Building: a) Depreciation	28.72	30.76	0.70	0.60
	b) Lease Payments	1.59	0.00	0.04	0.00
	4. Paid Capital Interest	5.95	5.66	0.14	0.11
<b>Capital Costs</b>		<b>41.32</b>	<b>42.36</b>	<b>1.00</b>	<b>0.82</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>116.06</b>	<b>123.76</b>	<b>2.82</b>	<b>2.40</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>155.09</b>	<b>162.06</b>	<b>3.77</b>	<b>3.14</b>
	<b>Gross Margin (A-D)</b>	<b>89.64</b>	<b>137.24</b>	<b>2.18</b>	<b>2.66</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>60.92</b>	<b>106.48</b>	<b>1.48</b>	<b>2.07</b>
	<b>Return to Investment (A-E+C4)</b>	<b>56.56</b>	<b>104.59</b>	<b>1.37</b>	<b>2.03</b>
	<b>Return to Equity (A-E)</b>	<b>50.61</b>	<b>98.93</b>	<b>1.23</b>	<b>1.92</b>

**Investment**

Buildings	126.57	143.02
Machinery	250.94	253.83
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>1424.47</b>	<b>1682.77</b>

**Management**

Average Yield (Bushel/acre)	41.18	51.55
Expected Market Price (\$/Bushel)	4.60	4.60

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** Spring Wheat - Own  
**Soil Zone:** Brown/ Dark Brown - Dryland - Fallow  
**Unit:** Bushel

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	181.65	--	4.45	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	11.78	--	0.29	--
	<b>Gross Receipts</b>	<b>193.43</b>	<b>0.00</b>	<b>4.74</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	7.91	--	0.19	--
	2. Fertilizer	22.85	--	0.56	--
	3. Chemical	14.80	--	0.36	--
	4. Hail/Crop Insurance Premium	7.89	--	0.19	--
	5. Trucking and Marketing	3.22	--	0.08	--
	6. Fuel	6.81	--	0.17	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	6.45	--	0.16	--
	9. Repairs - Buildings	0.08	--	0.00	--
	10. Utilities and Miscellaneous	8.92	--	0.22	--
	11. Custom Work	0.00	--	0.00	--
	12. Operating Interest Paid	0.26	--	0.01	--
	13. Paid Labour	0.87	--	0.02	--
	14. Unpaid Labour	8.22	--	0.20	--
	<b>Variable Costs</b>	<b>88.28</b>	<b>0.00</b>	<b>2.16</b>	<b>0.00</b>
<b>(C)</b>	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	4.26	--	0.10	--
	3. Equipment and Building: a) Depreciation	12.79	--	0.31	--
	b) Lease Payments	0.00	--	0.00	--
4. Paid Capital Interest	2.15	--	0.05	--	
	<b>Capital Costs</b>	<b>19.20</b>	<b>0.00</b>	<b>0.47</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs</b>	<b>(B+C-B14-C3a)</b>	<b>86.47</b>	<b>--</b>	<b>2.12</b>
<b>(E)</b>	<b>Total Production Costs</b>	<b>(B+C)</b>	<b>107.48</b>	<b>--</b>	<b>2.63</b>
	<b>Gross Margin</b>	<b>(A-D)</b>	<b>106.96</b>	<b>--</b>	<b>2.62</b>
	<b>Return to Unpaid Labour</b>	<b>(A-E+B14)</b>	<b>94.17</b>	<b>--</b>	<b>2.31</b>
	<b>Return to Investment</b>	<b>(A-E+C4)</b>	<b>88.10</b>	<b>--</b>	<b>2.16</b>
	<b>Return to Equity</b>	<b>(A-E)</b>	<b>85.95</b>	<b>--</b>	<b>2.11</b>

**Investment**

Buildings	59.33	--
Machinery	107.19	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>1048.51</b>	<b>--</b>

**Management**

Average Yield	(Bushel/acre)	40.81	--
Expected Market Price	(\$/Bushel)	4.45	--

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** *Durum - All*  
**Soil Zone:** *Brown/ Dark Brown - Dryland*  
**Unit:** *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
<b>(A)</b>	1. Crop Sales	217.63	--	4.52	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	7.56	--	0.16	--	
	<b>Gross Receipts</b>	<b>225.19</b>	<b>0.00</b>	<b>4.68</b>	<b>0.00</b>	
<b>(B)</b>	<b>Cost Items</b>					
	1. Seed	15.51	--	0.32	--	
	2. Fertilizer	26.36	--	0.55	--	
	3. Chemical	13.15	--	0.27	--	
	4. Hail/Crop Insurance Premium	10.84	--	0.23	--	
	5. Trucking and Marketing	6.51	--	0.14	--	
	6. Fuel	9.02	--	0.19	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	8.67	--	0.18	--	
	9. Repairs - Buildings	0.78	--	0.02	--	
	10. Utilities and Miscellaneous	9.09	--	0.19	--	
	11. Custom Work	0.00	--	0.00	--	
	12. Operating Interest Paid	5.27	--	0.11	--	
	13. Paid Labour	2.45	--	0.05	--	
	14. Unpaid Labour	6.39	--	0.13	--	
<b>Variable Costs</b>	<b>114.03</b>	<b>0.00</b>	<b>2.37</b>	<b>0.00</b>		
<b>(C)</b>	1. Cash/ Share Land Rent	7.81	--	0.16	--	
	2. Taxes, Water Rates, License & Ins.	5.70	--	0.12	--	
	3. Equipment and Building:	a) Depreciation	14.81	--	0.31	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	9.10	--	0.19	--	
<b>Capital Costs</b>	<b>37.42</b>	<b>0.00</b>	<b>0.78</b>	<b>0.00</b>		
<b>(D)</b>	<b>Cash Costs</b>	<b>(B+C-B14-C3a)</b>	<b>130.26</b>	<b>--</b>	<b>2.71</b>	
<b>(E)</b>	<b>Total Production Costs</b>	<b>(B+C)</b>	<b>151.45</b>	<b>--</b>	<b>3.15</b>	
	<b>Gross Margin</b>	<b>(A-D)</b>	<b>94.93</b>	<b>--</b>	<b>1.97</b>	
	<b>Return to Unpaid Labour</b>	<b>(A-E+B14)</b>	<b>80.13</b>	<b>--</b>	<b>1.67</b>	
	<b>Return to Investment</b>	<b>(A-E+C4)</b>	<b>82.83</b>	<b>--</b>	<b>1.72</b>	
	<b>Return to Equity</b>	<b>(A-E)</b>	<b>73.74</b>	<b>--</b>	<b>1.53</b>	

### Investment

Buildings	56.72	--
Machinery	128.66	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>1062.05</b>	<b>--</b>

### Management

Average Yield	(Bushel/acre)	48.12	--
Expected Market Price	(\$/Bushel)	4.52	--

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** *Durum - All*  
**Soil Zone:** *Brown/ Dark Brown - Dryland - Stubble*  
**Unit:** *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
<b>(A)</b>	1. Crop Sales	201.08	--	4.59	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	1.81	--	0.04	--	
	<b>Gross Receipts</b>	<b>202.89</b>	<b>0.00</b>	<b>4.64</b>	<b>0.00</b>	
<b>(B)</b>	<b>Cost Items</b>					
	1. Seed	21.18	--	0.48	--	
	2. Fertilizer	26.98	--	0.62	--	
	3. Chemical	9.92	--	0.23	--	
	4. Hail/Crop Insurance Premium	12.23	--	0.28	--	
	5. Trucking and Marketing	9.89	--	0.23	--	
	6. Fuel	11.04	--	0.25	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	10.89	--	0.25	--	
	9. Repairs - Buildings	1.53	--	0.04	--	
	10. Utilities and Miscellaneous	8.60	--	0.20	--	
	11. Custom Work	0.00	--	0.00	--	
	12. Operating Interest Paid	10.58	--	0.24	--	
	13. Paid Labour	4.13	--	0.09	--	
	14. Unpaid Labour	3.68	--	0.08	--	
<b>Variable Costs</b>	<b>130.64</b>	<b>0.00</b>	<b>2.98</b>	<b>0.00</b>		
<b>(C)</b>	1. Cash/ Share Land Rent	16.31	--	0.37	--	
	2. Taxes, Water Rates, License & Ins.	6.76	--	0.15	--	
	3. Equipment and Building:	a) Depreciation	18.37	--	0.42	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	15.64	--	0.36	--	
<b>Capital Costs</b>	<b>57.08</b>	<b>0.00</b>	<b>1.30</b>	<b>0.00</b>		
<b>(D)</b>	<b>Cash Costs</b>	<b>165.67</b>	<b>--</b>	<b>3.79</b>	<b>--</b>	
<b>(E)</b>	<b>Total Production Costs</b>	<b>187.72</b>	<b>--</b>	<b>4.29</b>	<b>--</b>	
	<b>Gross Margin</b>	<b>37.22</b>	<b>--</b>	<b>0.85</b>	<b>--</b>	
	<b>Return to Unpaid Labour</b>	<b>18.85</b>	<b>--</b>	<b>0.43</b>	<b>--</b>	
	<b>Return to Investment</b>	<b>30.81</b>	<b>--</b>	<b>0.70</b>	<b>--</b>	
	<b>Return to Equity</b>	<b>15.17</b>	<b>--</b>	<b>0.35</b>	<b>--</b>	

**Investment**

Buildings	44.81	--
Machinery	170.96	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>893.10</b>	<b>--</b>

**Management**

Average Yield	(Bushel/acre)	43.77	--
Expected Market Price	(\$/Bushel)	4.59	--

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** *Durum - Own*  
**Soil Zone:** *Brown/ Dark Brown - Dryland - Fallow*  
**Unit:** *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
<b>(A)</b>	1. Crop Sales	232.83	--	4.47	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	12.84	--	0.25	--	
	<b>Gross Receipts</b>	<b>245.67</b>	<b>0.00</b>	<b>4.71</b>	<b>0.00</b>	
<b>(B)</b>	<b>Cost Items</b>					
	1. Seed	10.29	--	0.20	--	
	2. Fertilizer	25.80	--	0.50	--	
	3. Chemical	16.12	--	0.31	--	
	4. Hail/Crop Insurance Premium	9.57	--	0.18	--	
	5. Trucking and Marketing	3.40	--	0.07	--	
	6. Fuel	7.17	--	0.14	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	6.62	--	0.13	--	
	9. Repairs - Buildings	0.09	--	0.00	--	
	10. Utilities and Miscellaneous	9.55	--	0.18	--	
	11. Custom Work	0.00	--	0.00	--	
	12. Operating Interest Paid	0.39	--	0.01	--	
	13. Paid Labour	0.90	--	0.02	--	
	14. Unpaid Labour	8.88	--	0.17	--	
	<b>Variable Costs</b>	<b>98.78</b>	<b>0.00</b>	<b>1.90</b>	<b>0.00</b>	
<b>(C)</b>	1. Cash/ Share Land Rent	0.00	--	0.00	--	
	2. Taxes, Water Rates, License & Ins.	4.73	--	0.09	--	
	3. Equipment and Building:	a) Depreciation	11.53	--	0.22	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	3.09	--	0.06	--	
	<b>Capital Costs</b>	<b>19.35</b>	<b>0.00</b>	<b>0.37</b>	<b>0.00</b>	
<b>(D)</b>	<b>Cash Costs</b>	<b>97.71</b>	--	<b>1.88</b>	--	
<b>(E)</b>	<b>Total Production Costs</b>	<b>118.13</b>	--	<b>2.27</b>	--	
	<b>Gross Margin</b>	<b>147.96</b>	--	<b>2.84</b>	--	
	<b>Return to Unpaid Labour</b>	<b>136.43</b>	--	<b>2.62</b>	--	
	<b>Return to Investment</b>	<b>130.64</b>	--	<b>2.51</b>	--	
	<b>Return to Equity</b>	<b>127.55</b>	--	<b>2.45</b>	--	

**Investment**

Buildings	67.66	--
Machinery	89.79	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>1217.28</b>	--

**Management**

Average Yield	(Bushel/acre)	52.11	--
Expected Market Price	(\$/Bushel)	4.47	--

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** *Winter Wheat - All*  
**Soil Zone:** *Brown/ Dark Brown - Dryland*  
**Unit:** *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
<b>(A)</b>	1. Crop Sales	165.56	--	3.75	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	5.37	--	0.12	--	
	<b>Gross Receipts</b>	<b>170.93</b>	<b>0.00</b>	<b>3.87</b>	<b>0.00</b>	
<b>(B)</b>	<b>Cost Items</b>					
	1. Seed	9.38	--	0.21	--	
	2. Fertilizer	18.67	--	0.42	--	
	3. Chemical	4.71	--	0.11	--	
	4. Hail/Crop Insurance Premium	9.28	--	0.21	--	
	5. Trucking and Marketing	9.56	--	0.22	--	
	6. Fuel	11.34	--	0.26	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	10.49	--	0.24	--	
	9. Repairs - Buildings	1.41	--	0.03	--	
	10. Utilities and Miscellaneous	8.32	--	0.19	--	
	11. Custom Work	2.00	--	0.05	--	
	12. Operating Interest Paid	9.97	--	0.23	--	
	13. Paid Labour	3.92	--	0.09	--	
	14. Unpaid Labour	5.27	--	0.12	--	
<b>Variable Costs</b>	<b>104.33</b>	<b>0.00</b>	<b>2.36</b>	<b>0.00</b>		
<b>(C)</b>	1. Cash/ Share Land Rent	30.02	--	0.68	--	
	2. Taxes, Water Rates, License & Ins.	5.61	--	0.13	--	
	3. Equipment and Building:	a) Depreciation	18.73	--	0.42	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	10.04	--	0.23	--	
<b>Capital Costs</b>	<b>64.40</b>	<b>0.00</b>	<b>1.46</b>	<b>0.00</b>		
<b>(D)</b>	<b>Cash Costs</b>	<b>(B+C-B14-C3a)</b>	<b>144.73</b>	<b>--</b>	<b>3.28</b>	
<b>(E)</b>	<b>Total Production Costs</b>	<b>(B+C)</b>	<b>168.73</b>	<b>--</b>	<b>3.82</b>	
	<b>Gross Margin</b>	<b>(A-D)</b>	<b>26.20</b>	<b>--</b>	<b>0.59</b>	
	<b>Return to Unpaid Labour</b>	<b>(A-E+B14)</b>	<b>7.47</b>	<b>--</b>	<b>0.17</b>	
	<b>Return to Investment</b>	<b>(A-E+C4)</b>	<b>12.24</b>	<b>--</b>	<b>0.28</b>	
	<b>Return to Equity</b>	<b>(A-E)</b>	<b>2.20</b>	<b>--</b>	<b>0.05</b>	

**Investment**

Buildings	48.20	--
Machinery	174.01	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>606.06</b>	<b>--</b>

**Management**

Average Yield	(Bushel/acre)	44.15	--
Expected Market Price	(\$/Bushel)	3.75	--

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** *Malt Barley - All*  
**Soil Zone:** *Brown/ Dark Brown - Dryland*  
**Unit:** *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	205.15	--	3.25	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	6.13	--	0.10	--
	<b>Gross Receipts</b>	<b>211.28</b>	<b>0.00</b>	<b>3.35</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	5.24	--	0.08	--
	2. Fertilizer	22.72	--	0.36	--
	3. Chemical	10.69	--	0.17	--
	4. Hail/Crop Insurance Premium	10.53	--	0.17	--
	5. Trucking and Marketing	10.79	--	0.17	--
	6. Fuel	11.97	--	0.19	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	11.25	--	0.18	--
	9. Repairs - Buildings	1.40	--	0.02	--
	10. Utilities and Miscellaneous	8.78	--	0.14	--
	11. Custom Work	0.24	--	0.00	--
	12. Operating Interest Paid	6.29	--	0.10	--
	13. Paid Labour	2.69	--	0.04	--
14. Unpaid Labour	4.83	--	0.08	--	
<b>Variable Costs</b>	<b>107.43</b>	<b>0.00</b>	<b>1.70</b>	<b>0.00</b>	
<b>(C)</b>	1. Cash/ Share Land Rent	29.18	--	0.46	--
	2. Taxes, Water Rates, License & Ins.	5.22	--	0.08	--
	3. Equipment and Building: a) Depreciation	25.60	--	0.41	--
	b) Lease Payments	0.00	--	0.00	--
4. Paid Capital Interest	2.83	--	0.04	--	
<b>Capital Costs</b>	<b>62.84</b>	<b>0.00</b>	<b>1.00</b>	<b>0.00</b>	
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>139.83</b>	<b>--</b>	<b>2.22</b>	<b>--</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>170.27</b>	<b>--</b>	<b>2.70</b>	<b>--</b>
	<b>Gross Margin (A-D)</b>	<b>71.44</b>	<b>--</b>	<b>1.13</b>	<b>--</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>45.84</b>	<b>--</b>	<b>0.73</b>	<b>--</b>
	<b>Return to Investment (A-E+C4)</b>	<b>43.84</b>	<b>--</b>	<b>0.69</b>	<b>--</b>
	<b>Return to Equity (A-E)</b>	<b>41.01</b>	<b>--</b>	<b>0.65</b>	<b>--</b>

**Investment**

Buildings	92.19	--
Machinery	225.75	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>869.53</b>	<b>--</b>

**Management**

Average Yield (Bushel/acre)	63.12	--
Expected Market Price (\$/Bushel)	3.25	--



## 2006 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** *Feed Barley - All*  
**Soil Zone:** *Brown/ Dark Brown - Dryland - Stubble*  
**Unit:** *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	179.81	218.88	3.00	2.98
	2. Crop Insurance Receipts	15.70	27.45	0.26	0.37
	3. Other Receipts	14.34	21.80	0.24	0.30
	<b>Gross Receipts</b>	<b>209.84</b>	<b>268.13</b>	<b>3.50</b>	<b>3.65</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	11.06	13.34	0.18	0.18
	2. Fertilizer	32.69	41.88	0.55	0.57
	3. Chemical	22.06	23.32	0.37	0.32
	4. Hail/Crop Insurance Premium	10.60	13.41	0.18	0.18
	5. Trucking and Marketing	4.15	2.30	0.07	0.03
	6. Fuel	10.68	9.62	0.18	0.13
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	8.94	8.01	0.15	0.11
	9. Repairs - Buildings	0.64	0.78	0.01	0.01
	10. Utilities and Miscellaneous	7.05	6.45	0.12	0.09
	11. Custom Work	1.57	0.00	0.03	0.00
	12. Operating Interest Paid	3.44	4.38	0.06	0.06
	13. Paid Labour	0.57	0.56	0.01	0.01
	14. Unpaid Labour	10.36	9.02	0.17	0.12
	<b>Variable Costs</b>	<b>123.81</b>	<b>133.09</b>	<b>2.07</b>	<b>1.81</b>
<b>(C)</b>	1. Cash/ Share Land Rent	13.30	18.82	0.22	0.26
	2. Taxes, Water Rates, License & Ins.	3.68	3.56	0.06	0.05
	3. Equipment and Building: a) Depreciation	24.45	19.74	0.41	0.27
	b) Lease Payments	1.94	0.00	0.03	0.00
4. Paid Capital Interest	5.39	6.43	0.09	0.09	
	<b>Capital Costs</b>	<b>48.75</b>	<b>48.55</b>	<b>0.81</b>	<b>0.66</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>137.75</b>	<b>152.88</b>	<b>2.30</b>	<b>2.08</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>172.56</b>	<b>181.63</b>	<b>2.88</b>	<b>2.47</b>
	<b>Gross Margin (A-D)</b>	<b>72.09</b>	<b>115.25</b>	<b>1.20</b>	<b>1.57</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>47.64</b>	<b>95.52</b>	<b>0.80</b>	<b>1.30</b>
	<b>Return to Investment (A-E+C4)</b>	<b>42.67</b>	<b>92.93</b>	<b>0.71</b>	<b>1.27</b>
	<b>Return to Equity (A-E)</b>	<b>37.28</b>	<b>86.50</b>	<b>0.62</b>	<b>1.18</b>

### Investment

Buildings	93.48	94.87
Machinery	218.71	150.75
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>956.19</b>	<b>954.64</b>

### Management

Average Yield	(Bushel/acre)	59.90	73.42
Expected Market Price	(\$/Bushel)	3.00	2.98

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** Argentine Canola - All  
**Soil Zone:** Brown/ Dark Brown - Dryland - Stubble  
**Unit:** Bushel

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
<b>(A)</b>	1. Crop Sales	304.67	--	7.19	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	20.54	--	0.48	--	
	<b>Gross Receipts</b>	<b>325.21</b>	<b>0.00</b>	<b>7.67</b>	<b>0.00</b>	
<b>(B)</b>	<b>Cost Items</b>					
	1. Seed	32.73	--	0.77	--	
	2. Fertilizer	48.23	--	1.14	--	
	3. Chemical	24.35	--	0.57	--	
	4. Hail/Crop Insurance Premium	15.88	--	0.37	--	
	5. Trucking and Marketing	3.99	--	0.09	--	
	6. Fuel	9.82	--	0.23	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	8.41	--	0.20	--	
	9. Repairs - Buildings	0.84	--	0.02	--	
	10. Utilities and Miscellaneous	6.88	--	0.16	--	
	11. Custom Work	0.15	--	0.00	--	
	12. Operating Interest Paid	2.64	--	0.06	--	
	13. Paid Labour	0.13	--	0.00	--	
	14. Unpaid Labour	8.52	--	0.20	--	
<b>Variable Costs</b>	<b>162.57</b>	<b>0.00</b>	<b>3.83</b>	<b>0.00</b>		
<b>(C)</b>	1. Cash/ Share Land Rent	21.08	--	0.50	--	
	2. Taxes, Water Rates, License & Ins.	3.77	--	0.09	--	
	3. Equipment and Building:	a) Depreciation	23.69	--	0.56	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	4.96	--	0.12	--	
<b>Capital Costs</b>	<b>53.50</b>	<b>0.00</b>	<b>1.26</b>	<b>0.00</b>		
<b>(D)</b>	<b>Cash Costs</b>	<b>(B+C-B14-C3a)</b>	<b>183.85</b>	<b>--</b>	<b>4.34</b>	<b>--</b>
<b>(E)</b>	<b>Total Production Costs</b>	<b>(B+C)</b>	<b>216.07</b>	<b>--</b>	<b>5.10</b>	<b>--</b>
	<b>Gross Margin</b>	<b>(A-D)</b>	<b>141.35</b>	<b>--</b>	<b>3.33</b>	<b>--</b>
	<b>Return to Unpaid Labour</b>	<b>(A-E+B14)</b>	<b>117.66</b>	<b>--</b>	<b>2.78</b>	<b>--</b>
	<b>Return to Investment</b>	<b>(A-E+C4)</b>	<b>114.09</b>	<b>--</b>	<b>2.69</b>	<b>--</b>
	<b>Return to Equity</b>	<b>(A-E)</b>	<b>109.14</b>	<b>--</b>	<b>2.57</b>	<b>--</b>

### Investment

Buildings	115.98	--
Machinery	184.53	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>1185.20</b>	<b>--</b>

### Management

Average Yield	(Bushel/acre)	42.40	--
Expected Market Price	(\$/Bushel)	7.19	--

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** Roundup Ready Canola - Own  
**Soil Zone:** Brown/ Dark Brown - Dryland - Stubble  
**Unit:** Bushel

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	243.82	--	7.58	--
	2. Crop Insurance Receipts	0.85	--	0.03	--
	3. Other Receipts	4.80	--	0.15	--
	<b>Gross Receipts</b>	<b>249.46</b>	<b>0.00</b>	<b>7.75</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	26.36	--	0.82	--
	2. Fertilizer	27.80	--	0.86	--
	3. Chemical	21.67	--	0.67	--
	4. Hail/Crop Insurance Premium	13.73	--	0.43	--
	5. Trucking and Marketing	8.87	--	0.28	--
	6. Fuel	11.77	--	0.37	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	8.71	--	0.27	--
	9. Repairs - Buildings	0.90	--	0.03	--
	10. Utilities and Miscellaneous	7.37	--	0.23	--
	11. Custom Work	6.29	--	0.20	--
	12. Operating Interest Paid	1.69	--	0.05	--
	13. Paid Labour	1.19	--	0.04	--
	14. Unpaid Labour	13.76	--	0.43	--
	<b>Variable Costs</b>	<b>150.14</b>	<b>0.00</b>	<b>4.67</b>	<b>0.00</b>
<b>(C)</b>	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	4.66	--	0.14	--
	3. Equipment and Building: a) Depreciation	27.20	--	0.85	--
	b) Lease Payments	0.00	--	0.00	--
4. Paid Capital Interest	7.34	--	0.23	--	
	<b>Capital Costs</b>	<b>39.20</b>	<b>0.00</b>	<b>1.22</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs</b>	<b>(B+C-B14-C3a)</b>	<b>148.37</b>	<b>--</b>	<b>4.61</b>
<b>(E)</b>	<b>Total Production Costs</b>	<b>(B+C)</b>	<b>189.34</b>	<b>--</b>	<b>5.88</b>
	<b>Gross Margin</b>	<b>(A-D)</b>	<b>101.09</b>	<b>--</b>	<b>3.14</b>
	<b>Return to Unpaid Labour</b>	<b>(A-E+B14)</b>	<b>73.88</b>	<b>--</b>	<b>2.30</b>
	<b>Return to Investment</b>	<b>(A-E+C4)</b>	<b>67.46</b>	<b>--</b>	<b>2.10</b>
	<b>Return to Equity</b>	<b>(A-E)</b>	<b>60.12</b>	<b>--</b>	<b>1.87</b>

**Investment**

Buildings	184.31	--
Machinery	190.18	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>1090.48</b>	<b>--</b>

**Management**

Average Yield	(Bushel/acre)	32.18	--
Expected Market Price	(\$/Bushel)	7.58	--

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** *Field Peas - All*  
**Soil Zone:** *Brown/ Dark Brown - Dryland - Stubble*  
**Unit:** *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	154.80	--	4.30	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	3.96	--	0.11	--
	<b>Gross Receipts</b>	<b>158.76</b>	<b>0.00</b>	<b>4.41</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	16.77	--	0.47	--
	2. Fertilizer	6.91	--	0.19	--
	3. Chemical	20.32	--	0.56	--
	4. Hail/Crop Insurance Premium	9.21	--	0.26	--
	5. Trucking and Marketing	8.93	--	0.25	--
	6. Fuel	11.64	--	0.32	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	9.04	--	0.25	--
	9. Repairs - Buildings	1.09	--	0.03	--
	10. Utilities and Miscellaneous	7.02	--	0.20	--
	11. Custom Work	2.53	--	0.07	--
	12. Operating Interest Paid	4.48	--	0.12	--
	13. Paid Labour	2.07	--	0.06	--
14. Unpaid Labour	7.08	--	0.20	--	
	<b>Variable Costs</b>	<b>107.11</b>	<b>0.00</b>	<b>2.98</b>	<b>0.00</b>
<b>(C)</b>	1. Cash/ Share Land Rent	9.46	--	0.26	--
	2. Taxes, Water Rates, License & Ins.	4.52	--	0.13	--
	3. Equipment and Building: a) Depreciation	24.38	--	0.68	--
	b) Lease Payments	0.00	--	0.00	--
4. Paid Capital Interest	7.53	--	0.21	--	
	<b>Capital Costs</b>	<b>45.89</b>	<b>0.00</b>	<b>1.28</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>121.55</b>	<b>--</b>	<b>3.38</b>	<b>--</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>153.01</b>	<b>--</b>	<b>4.25</b>	<b>--</b>
	<b>Gross Margin (A-D)</b>	<b>37.21</b>	<b>--</b>	<b>1.03</b>	<b>--</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>12.83</b>	<b>--</b>	<b>0.36</b>	<b>--</b>
	<b>Return to Investment (A-E+C4)</b>	<b>13.29</b>	<b>--</b>	<b>0.37</b>	<b>--</b>
	<b>Return to Equity (A-E)</b>	<b>5.75</b>	<b>--</b>	<b>0.16</b>	<b>--</b>

**Investment**

Buildings	99.16	--
Machinery	206.91	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>801.08</b>	<b>--</b>

**Management**

Average Yield (Bushel/acre)	35.97	--
Expected Market Price (\$/Bushel)	4.30	--

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** Yellow Mustard - Rent  
**Soil Zone:** Brown/ Dark Brown - Dryland - Fallow  
**Unit:** Pound

		----- \$/Acre -----		----- \$/Pound -----		
		Average	Top 1/3	Average	Top 1/3	
<b>(A)</b>	1. Crop Sales	199.69	--	0.19	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	1.00	--	0.00	--	
	<b>Gross Receipts</b>	<b>200.69</b>	<b>0.00</b>	<b>0.19</b>	<b>0.00</b>	
<b>(B)</b>	<b>Cost Items</b>					
	1. Seed	10.40	--	0.01	--	
	2. Fertilizer	19.50	--	0.02	--	
	3. Chemical	15.16	--	0.01	--	
	4. Hail/Crop Insurance Premium	11.85	--	0.01	--	
	5. Trucking and Marketing	10.48	--	0.01	--	
	6. Fuel	11.13	--	0.01	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	11.37	--	0.01	--	
	9. Repairs - Buildings	1.65	--	0.00	--	
	10. Utilities and Miscellaneous	9.05	--	0.01	--	
	11. Custom Work	0.00	--	0.00	--	
	12. Operating Interest Paid	11.41	--	0.01	--	
	13. Paid Labour	4.49	--	0.00	--	
	14. Unpaid Labour	2.94	--	0.00	--	
<b>Variable Costs</b>	<b>119.43</b>	<b>0.00</b>	<b>0.11</b>	<b>0.00</b>		
<b>(C)</b>	1. Cash/ Share Land Rent	65.90	--	0.06	--	
	2. Taxes, Water Rates, License & Ins.	4.18	--	0.00	--	
	3. Equipment and Building:	a) Depreciation	19.01	--	0.02	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	1.49	--	0.00	--	
<b>Capital Costs</b>	<b>90.58</b>	<b>0.00</b>	<b>0.09</b>	<b>0.00</b>		
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>188.06</b>	--	<b>0.18</b>	--	
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>210.01</b>	--	<b>0.20</b>	--	
	<b>Gross Margin (A-D)</b>	<b>12.63</b>	--	<b>0.01</b>	--	
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>(6.38)</b>	--	<b>(0.01)</b>	--	
	<b>Return to Investment (A-E+C4)</b>	<b>(7.83)</b>	--	<b>(0.01)</b>	--	
	<b>Return to Equity (A-E)</b>	<b>(9.32)</b>	--	<b>(0.01)</b>	--	

### Investment

Buildings	41.58	--
Machinery	179.35	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>220.93</b>	--

### Management

Average Yield	(Pound/acre)	1051.00	--
Expected Market Price	(\$/Pound)	0.19	--

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** Safflower - All  
**Soil Zone:** Brown/ Dark Brown - Dryland - Fallow  
**Unit:** Pound

		----- \$/Acre -----		----- \$/Pound -----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	313.80	--	0.20	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	1.00	--	0.00	--
<b>Gross Receipts</b>		<b>314.80</b>	<b>0.00</b>	<b>0.20</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	16.23	--	0.01	--
	2. Fertilizer	2.52	--	0.00	--
	3. Chemical	15.78	--	0.01	--
	4. Hail/Crop Insurance Premium	15.72	--	0.01	--
	5. Trucking and Marketing	10.48	--	0.01	--
	6. Fuel	11.13	--	0.01	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	11.37	--	0.01	--
	9. Repairs - Buildings	1.65	--	0.00	--
	10. Utilities and Miscellaneous	9.05	--	0.01	--
	11. Custom Work	0.00	--	0.00	--
	12. Operating Interest Paid	11.41	--	0.01	--
	13. Paid Labour	4.49	--	0.00	--
	14. Unpaid Labour	2.94	--	0.00	--
<b>Variable Costs</b>		<b>112.77</b>	<b>0.00</b>	<b>0.07</b>	<b>0.00</b>
<b>(C)</b>	<b>Capital Costs</b>				
	1. Cash/ Share Land Rent	66.33	--	0.04	--
	2. Taxes, Water Rates, License & Ins.	5.64	--	0.00	--
	3. Equipment and Building: a) Depreciation	19.01	--	0.01	--
	b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	9.40	--	0.01	--
<b>Capital Costs</b>		<b>100.37</b>	<b>0.00</b>	<b>0.06</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>191.19</b>	<b>--</b>	<b>0.12</b>	<b>--</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>213.14</b>	<b>--</b>	<b>0.14</b>	<b>--</b>
	<b>Gross Margin (A-D)</b>	<b>123.62</b>	<b>--</b>	<b>0.08</b>	<b>--</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>104.61</b>	<b>--</b>	<b>0.07</b>	<b>--</b>
	<b>Return to Investment (A-E+C4)</b>	<b>111.07</b>	<b>--</b>	<b>0.07</b>	<b>--</b>
	<b>Return to Equity (A-E)</b>	<b>101.67</b>	<b>--</b>	<b>0.06</b>	<b>--</b>

**Investment**

Buildings	41.58	--
Machinery	179.35	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>520.93</b>	<b>--</b>

**Management**

Average Yield (Pound/acre)	1569.02	--
Expected Market Price (\$/Pound)	0.20	--

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** *Mixed Hay - All*  
**Soil Zone:** *Brown/ Dark Brown - Dryland - Stubble*  
**Unit:** *Tonne*

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	106.47	193.38	65.60	80.25
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00
	3. Other Receipts	1.75	0.00	1.08	0.00
<b>Gross Receipts</b>		<b>108.22</b>	<b>193.38</b>	<b>66.68</b>	<b>80.25</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	0.00	0.00	0.00	0.00
	2. Fertilizer	5.15	0.00	3.17	0.00
	3. Chemical	0.00	0.00	0.00	0.00
	4. Hail/Crop Insurance Premium	1.16	0.00	0.71	0.00
	5. Trucking and Marketing	0.22	0.77	0.14	0.32
	6. Fuel	6.17	7.39	3.80	3.07
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	5.01	5.48	3.08	2.27
	9. Repairs - Buildings	0.22	0.00	0.13	0.00
	10. Utilities and Miscellaneous	5.38	12.46	3.32	5.17
	11. Custom Work	0.50	0.00	0.31	0.00
	12. Operating Interest Paid	0.02	0.00	0.01	0.00
	13. Paid Labour	1.79	5.46	1.10	2.27
	14. Unpaid Labour	10.12	12.45	6.24	5.17
<b>Variable Costs</b>		<b>35.73</b>	<b>44.00</b>	<b>22.02</b>	<b>18.26</b>
<b>(C)</b>	1. Cash/ Share Land Rent	6.16	0.00	3.80	0.00
	2. Taxes, Water Rates, License & Ins.	2.52	1.96	1.55	0.81
	3. Equipment and Building: a) Depreciation	19.20	24.32	11.83	10.09
	b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	1.32	0.00	0.81	0.00
<b>Capital Costs</b>		<b>29.20</b>	<b>26.27</b>	<b>17.99</b>	<b>10.90</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>35.61</b>	<b>33.51</b>	<b>21.94</b>	<b>13.91</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>64.94</b>	<b>70.27</b>	<b>40.01</b>	<b>29.16</b>
	<b>Gross Margin (A-D)</b>	<b>72.61</b>	<b>159.87</b>	<b>44.74</b>	<b>66.34</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>53.41</b>	<b>135.55</b>	<b>32.91</b>	<b>56.25</b>
	<b>Return to Investment (A-E+C4)</b>	<b>44.61</b>	<b>123.10</b>	<b>27.48</b>	<b>51.09</b>
	<b>Return to Equity (A-E)</b>	<b>43.29</b>	<b>123.10</b>	<b>26.67</b>	<b>51.09</b>

### Investment

Buildings	58.59	143.11
Machinery	165.89	184.16
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>494.75</b>	<b>327.27</b>

### Management

Average Yield (Tonne/acre)	1.62	2.41
Expected Market Price (\$/Tonne)	65.60	80.25

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** *Mixed Hay - Own*  
**Soil Zone:** *Brown/ Dark Brown - Dryland - Stubble*  
**Unit:** *Tonne*

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	123.58	193.38	70.82	80.25
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00
	3. Other Receipts	0.96	0.00	0.55	0.00
	<b>Gross Receipts</b>	<b>124.54</b>	<b>193.38</b>	<b>71.37</b>	<b>80.25</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	0.00	0.00	0.00	0.00
	2. Fertilizer	2.99	0.00	1.71	0.00
	3. Chemical	0.00	0.00	0.00	0.00
	4. Hail/Crop Insurance Premium	0.89	0.00	0.51	0.00
	5. Trucking and Marketing	0.36	0.77	0.21	0.32
	6. Fuel	6.30	7.39	3.61	3.07
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	5.02	5.48	2.88	2.27
	9. Repairs - Buildings	0.19	0.00	0.11	0.00
	10. Utilities and Miscellaneous	6.95	12.46	3.98	5.17
	11. Custom Work	0.44	0.00	0.25	0.00
	12. Operating Interest Paid	0.01	0.00	0.01	0.00
	13. Paid Labour	2.69	5.46	1.54	2.27
14. Unpaid Labour	10.45	12.45	5.99	5.17	
	<b>Variable Costs</b>	<b>36.29</b>	<b>44.00</b>	<b>20.80</b>	<b>18.26</b>
<b>(C)</b>	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00
	2. Taxes, Water Rates, License & Ins.	3.18	1.96	1.82	0.81
	3. Equipment and Building:				
	a) Depreciation	19.59	24.32	11.23	10.09
b) Lease Payments	0.00	0.00	0.00	0.00	
4. Paid Capital Interest	2.14	0.00	1.23	0.00	
	<b>Capital Costs</b>	<b>24.91</b>	<b>26.27</b>	<b>14.27</b>	<b>10.90</b>
<b>(D)</b>	<b>Cash Costs</b>	<b>31.15</b>	<b>33.51</b>	<b>17.85</b>	<b>13.91</b>
<b>(E)</b>	<b>Total Production Costs</b>	<b>61.20</b>	<b>70.27</b>	<b>35.07</b>	<b>29.16</b>
	<b>Gross Margin</b>	<b>93.39</b>	<b>159.87</b>	<b>53.52</b>	<b>66.34</b>
	<b>Return to Unpaid Labour</b>	<b>73.80</b>	<b>135.55</b>	<b>42.29</b>	<b>56.25</b>
	<b>Return to Investment</b>	<b>65.48</b>	<b>123.10</b>	<b>37.53</b>	<b>51.09</b>
	<b>Return to Equity</b>	<b>63.34</b>	<b>123.10</b>	<b>36.30</b>	<b>51.09</b>

**Investment**

Buildings	78.52	143.11
Machinery	161.76	184.16
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>607.21</b>	<b>327.27</b>

**Management**

Average Yield	(Tonne/acre)	1.75	2.41
Expected Market Price	(\$/Tonne)	70.82	80.25



## 2006 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** *Mixed Hay - Rent*  
**Soil Zone:** *Brown/ Dark Brown - Dryland - Stubble*  
**Unit:** *Tonne*

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	118.15	--	57.09	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	4.67	--	2.26	--
	<b>Gross Receipts</b>	<b>122.82</b>	<b>0.00</b>	<b>59.34</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	0.00	--	0.00	--
	2. Fertilizer	17.38	--	8.40	--
	3. Chemical	0.00	--	0.00	--
	4. Hail/Crop Insurance Premium	1.60	--	0.77	--
	5. Trucking and Marketing	0.00	--	0.00	--
	6. Fuel	7.78	--	3.76	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	6.09	--	2.94	--
	9. Repairs - Buildings	0.04	--	0.02	--
	10. Utilities and Miscellaneous	4.82	--	2.33	--
	11. Custom Work	1.18	--	0.57	--
	12. Operating Interest Paid	0.05	--	0.02	--
	13. Paid Labour	0.45	--	0.22	--
	14. Unpaid Labour	11.84	--	5.72	--
	<b>Variable Costs</b>	<b>51.24</b>	<b>0.00</b>	<b>24.76</b>	<b>0.00</b>
<b>(C)</b>	1. Cash/ Share Land Rent	29.79	--	14.39	--
	2. Taxes, Water Rates, License & Ins.	2.06	--	1.00	--
	3. Equipment and Building: a) Depreciation	26.72	--	12.91	--
	b) Lease Payments	0.00	--	0.00	--
4. Paid Capital Interest	0.00	--	0.00	--	
	<b>Capital Costs</b>	<b>58.58</b>	<b>0.00</b>	<b>28.30</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>71.25</b>	--	<b>34.43</b>	--
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>109.81</b>	--	<b>53.06</b>	--
	<b>Gross Margin (A-D)</b>	<b>51.57</b>	--	<b>24.92</b>	--
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>24.85</b>	--	<b>12.01</b>	--
	<b>Return to Investment (A-E+C4)</b>	<b>13.01</b>	--	<b>6.29</b>	--
	<b>Return to Equity (A-E)</b>	<b>13.01</b>	--	<b>6.29</b>	--

**Investment**

Buildings	40.08	--
Machinery	252.48	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>292.56</b>	--

**Management**

Average Yield	(Tonne/acre)	2.07	--
Expected Market Price	(\$/Tonne)	57.09	--

## 2006 Crop Enterprise Analysis

*AgriProfit*®

**Crop:** Greenfeed - All  
**Soil Zone:** Brown/ Dark Brown - Dryland - Stubble  
**Unit:** Tonne

		----- \$/Acre -----		----- \$/Tonne -----		
		Average	Top 1/3	Average	Top 1/3	
<b>(A)</b>	1. Crop Sales	59.36	--	66.62	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	0.00	--	0.00	--	
	<b>Gross Receipts</b>	<b>59.36</b>	<b>0.00</b>	<b>66.62</b>	<b>0.00</b>	
<b>(B)</b>	<b>Cost Items</b>					
	1. Seed	5.80	--	6.51	--	
	2. Fertilizer	3.83	--	4.30	--	
	3. Chemical	0.86	--	0.96	--	
	4. Hail/Crop Insurance Premium	4.57	--	5.13	--	
	5. Trucking and Marketing	0.58	--	0.65	--	
	6. Fuel	23.31	--	26.16	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	5.27	--	5.92	--	
	9. Repairs - Buildings	0.02	--	0.03	--	
	10. Utilities and Miscellaneous	6.66	--	7.47	--	
	11. Custom Work	0.51	--	0.57	--	
	12. Operating Interest Paid	0.02	--	0.03	--	
	13. Paid Labour	4.36	--	4.89	--	
	14. Unpaid Labour	12.24	--	13.73	--	
<b>Variable Costs</b>	<b>68.03</b>	<b>0.00</b>	<b>76.35</b>	<b>0.00</b>		
<b>(C)</b>	1. Cash/ Share Land Rent	2.47	--	2.77	--	
	2. Taxes, Water Rates, License & Ins.	2.01	--	2.25	--	
	3. Equipment and Building:	a) Depreciation	24.36	--	27.34	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	0.00	--	0.00	--	
<b>Capital Costs</b>	<b>28.83</b>	<b>0.00</b>	<b>32.36</b>	<b>0.00</b>		
<b>(D)</b>	<b>Cash Costs</b>	<b>60.26</b>	--	<b>67.64</b>	--	
<b>(E)</b>	<b>Total Production Costs</b>	<b>96.86</b>	--	<b>108.71</b>	--	
	<b>Gross Margin</b>	<b>(0.91)</b>	--	<b>(1.02)</b>	--	
	<b>Return to Unpaid Labour</b>	<b>(25.26)</b>	--	<b>(28.36)</b>	--	
	<b>Return to Investment</b>	<b>(37.50)</b>	--	<b>(42.09)</b>	--	
	<b>Return to Equity</b>	<b>(37.50)</b>	--	<b>(42.09)</b>	--	

**Investment**

Buildings	113.57	--
Machinery	194.08	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>395.43</b>	--

**Management**

Average Yield	(Tonne/acre)	0.89	--
Expected Market Price	(\$/Tonne)	66.62	--

## 2006 Crop Enterprise Analysis

Crop: **Summerfallow - All**  
 Soil Zone: **Brown/ Dark Brown - Dryland**  
 Unit: **0**

		-----\$/Acre-----	
		Average	Top 1/3
<b>(A)</b>	1. Crop Sales	0.00	--
	2. Crop Insurance Receipts	0.00	--
	3. Other Receipts	9.91	--
<hr/>			
<b>Gross Receipts</b>		<b>9.91</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>		
	1. Seed	0.00	--
	2. Fertilizer	0.00	--
	3. Chemical	9.13	--
	4. Hail/Crop Insurance Premium	0.68	--
	5. Trucking and Marketing	3.43	--
	6. Fuel	5.85	--
	7. Irrigation Fuel and Electricity	0.00	--
	8. Repairs - Machinery	6.89	--
	9. Repairs - Buildings	0.13	--
	10. Utilities and Miscellaneous	2.25	--
	11. Custom Work	0.59	--
	12. Operating Interest Paid	0.81	--
	13. Paid Labour	0.16	--
	14. Unpaid Labour	2.83	--
<hr/>			
<b>Variable Costs</b>		<b>32.76</b>	<b>0.00</b>
<b>(C)</b>	<b>Capital Costs</b>		
	1. Cash/ Share Land Rent	0.00	--
	2. Taxes, Water Rates, License & Ins.	3.90	--
	3. Equipment and Building: a) Depreciation	15.10	--
	b) Lease Payments	1.09	--
	4. Paid Capital Interest	2.21	--
<hr/>			
<b>Capital Costs</b>		<b>22.31</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>37.13</b>	--
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>55.07</b>	--
	<b>Gross Margin (A-D)</b>	<b>(27.22)</b>	--
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>(42.32)</b>	--
	<b>Return to Investment (A-E+C4)</b>	<b>(42.94)</b>	--
	<b>Return to Equity (A-E)</b>	<b>(45.15)</b>	--

**Investment**

Buildings	59.41	--
Machinery	138.51	--
Irrigation Machinery	0.00	--
<hr/>		
<b>Total (incl. Land)</b>	<b>932.46</b>	--

**Management**

Average Yield	(/acre)	0.00	--
Expected Market Price	(\$/)	0.00	--

## FREQUENCY AND CUMULATIVE FREQUENCY DISTRIBUTION

Distribution charts provide a summary of yields, costs, and returns data in visual form. Frequency distributions relate the percentage (or number) of observations falling in a specific range. Cumulative frequency distribution displays the same information as frequency distribution, but it is expressed as a “rate of change” (i.e. the steeper the slope the greater the change). Cumulative frequency also illustrates how many observations lie above or below certain values, rather than only recording the number of items within the intervals.

The frequency information in this benchmark report provides an indication of how crops performed, on a field-by-field basis, within the *AgriProfit\$* pool and within a particular soil zone region. Looking forward, this information can be used to evaluate how and why this crop might be included in future cropping plans based on these types of frequencies. In the following discussions, the spring wheat frequency distribution charts are used as an example of how to interpret the frequency information. The *bar charts* on the left side represent the percentage of fields *within each range*, while the *line charts* on the right side indicate the total or *cumulative percentage* of fields at each point, as if the bars were stacked.

The first pair of charts provides the distribution of the spring wheat yield range in the brown and dark brown soil zones. From these charts a lot can be interpreted about yield performance:

- The low is less than 25 bushels per acre and the high is 55 bushels per acre, and
- 90% of the spring wheat fields in the brown and dark brown soil zones yield between 25 and 50 bushels per acre.
- More specifically, the bar chart on the left indicates around 7% of the fields had yields between 0-25 bu/ac, and another 21% had yields between 25-30 bu/ac, etc. The line chart on the right side represents the cumulative percentage of these fields, so that at 30 bu/ac around 28% of the total number of fields are represented, and at 35 bu/ac approximately 55% of the fields, and so on.

This detailed information provides a better understanding of yield variability. The average yield is 37 bushels per acre provided on the spring wheat crop analysis. While the average (or mean) is important, consideration of both the mean and variability ultimately sets the stage for good decision-making and management practices.

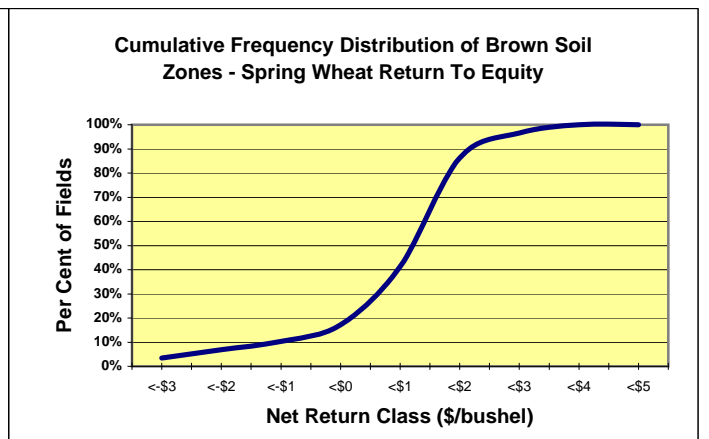
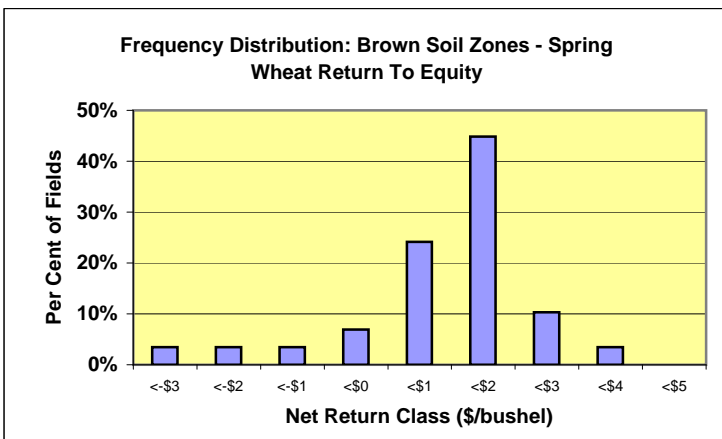
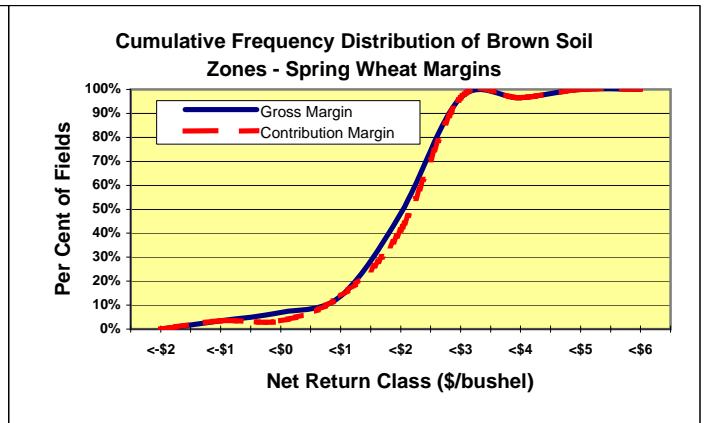
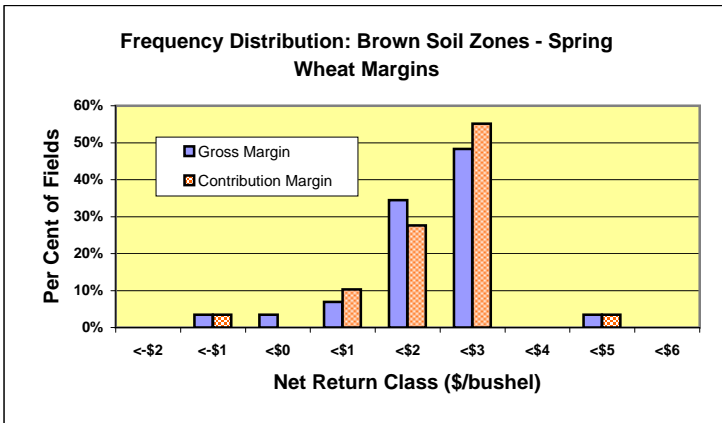
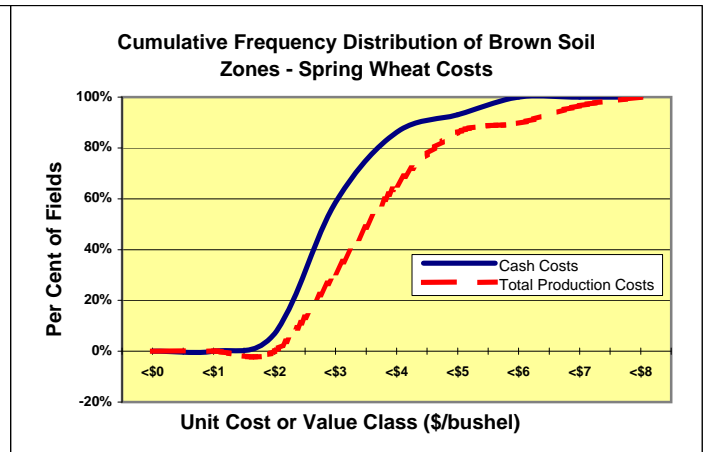
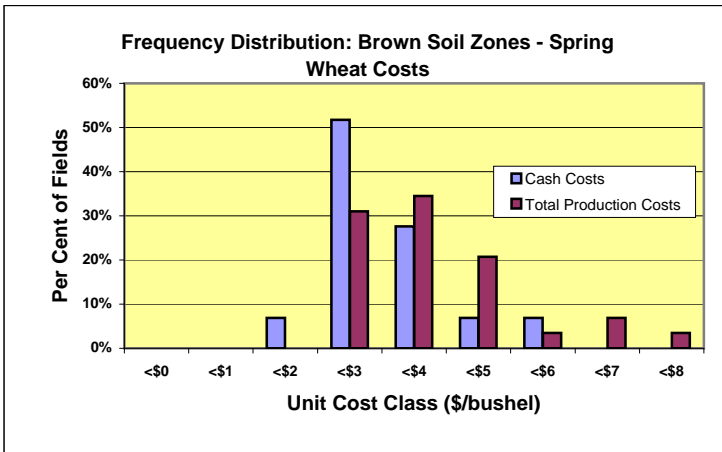
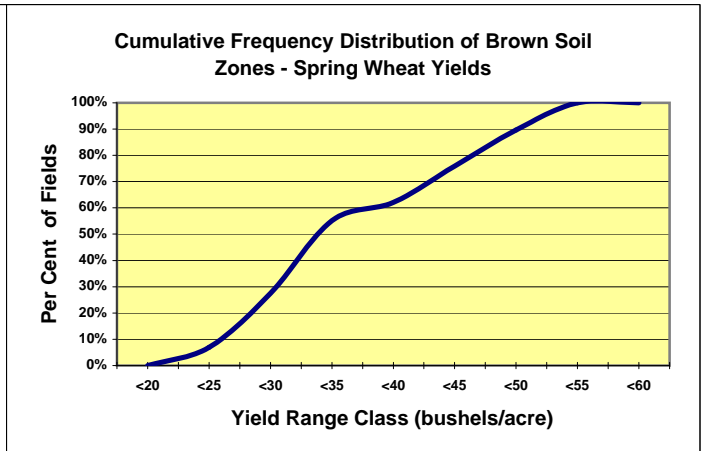
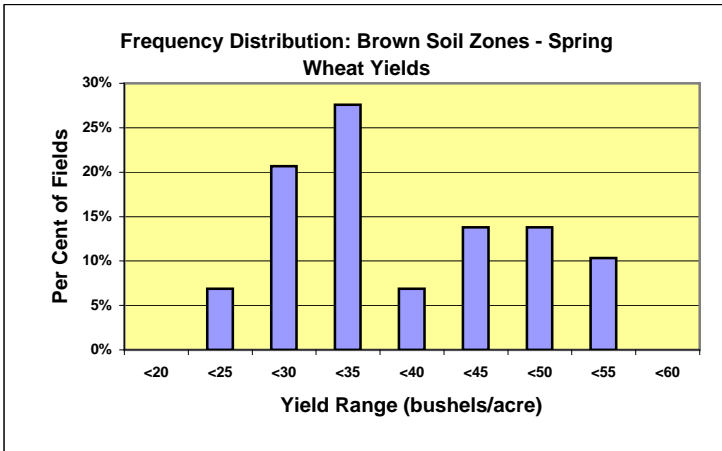
The second set of graphs focuses on the distribution of cost totals. Understanding these provides a basis for cost control and managing for yield per dollar invested. It is important to look at cash costs for individual field analysis (as an indication of cash flow pressure points). Cash costs include all cash expenses accrued to the production of that crop. Total production costs are important when assessing all crops together for an overall enterprise analysis, relaying the longer term cost efficiency of each crop and the combined crop mix. Total production costs include the non-cash elements of unpaid labour and depreciation, in addition to cash costs. Looking at the charts, if the price of wheat was \$4.50 per bushel, then 90% of the fields are covering their cash costs and 80% of the fields are covering their total production costs. In the long run, the best mix of crops would cover total production costs and give a positive net return per acre.

The third set of graphs highlights contribution and gross margins. Contribution margin is the return over variable costs (a combination of variable cash and non-cash/unpaid labour costs). It is the best single indicator of profitability at the individual field level and it is used to compare and select crops to grow, regardless of the fields being owned or rented. The first objective in setting up a crop plan is to select crops with a positive contribution margin; this will identify the most profitable crop mix over the long term. Gross margin is the return over total cash costs, which include fixed costs (land rent, taxes, water rights, licenses and capital interest). It is valuable in predicting each crop's ability to generate cash flow for the year. From a cash flow point of view, the gross margin provides an indication of the crop's ability to contribute to principal payments and operator withdrawals. From a profitability perspective, gross margin is what is leftover to cover the non-cash costs and provide a return on investment.

The final set of graphs shows the distribution of returns to equity, or profit per unit of production. This example shows that approximately 20% of the fields had a loss and 80% of the fields broke even. Return to equity can be used to compare the profitability of one crop versus another or one farm enterprise to another in the same industry.

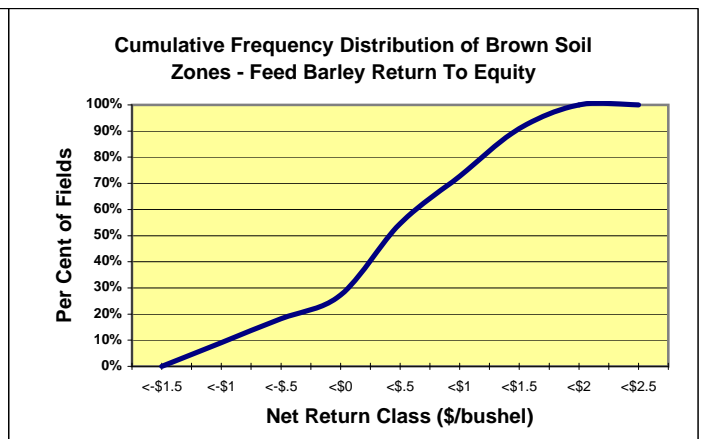
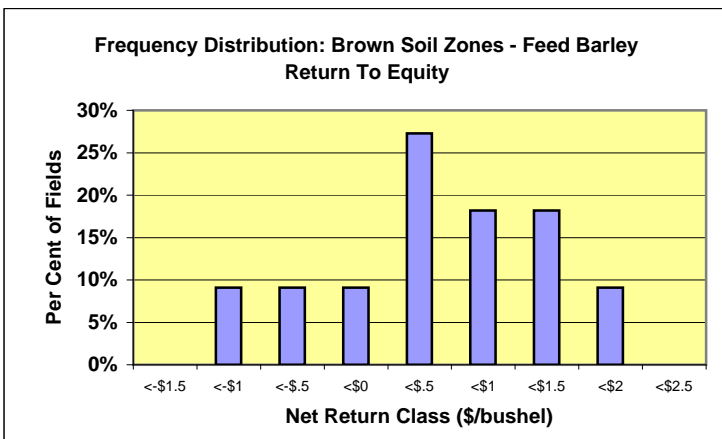
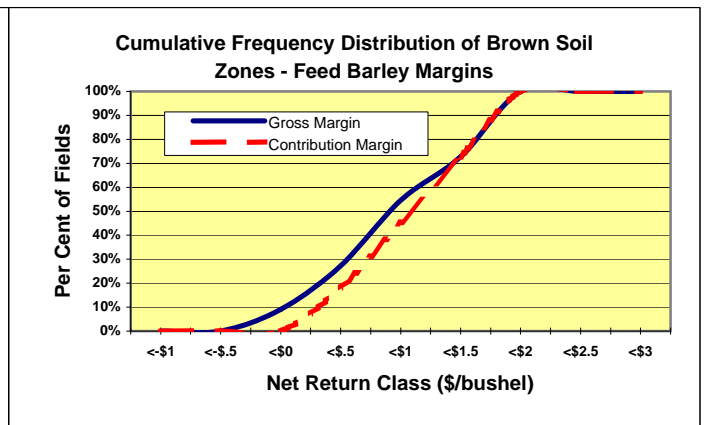
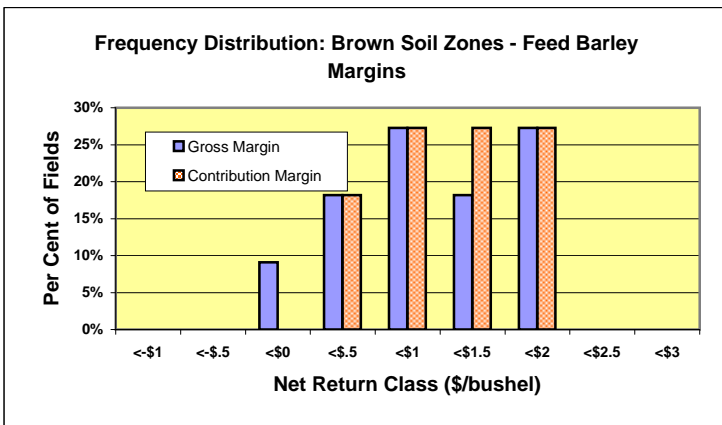
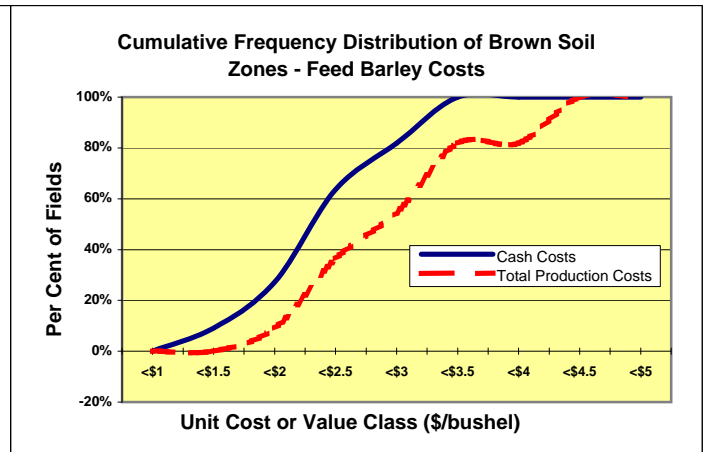
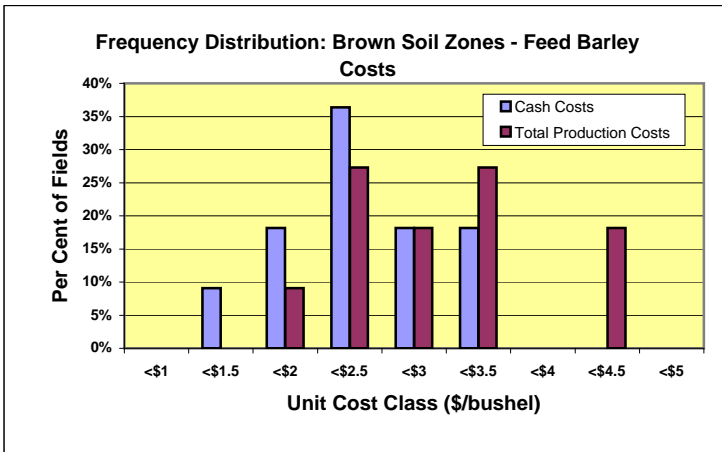
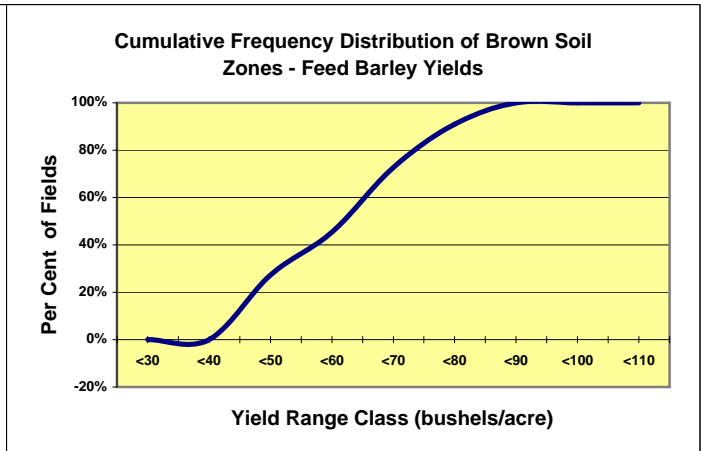
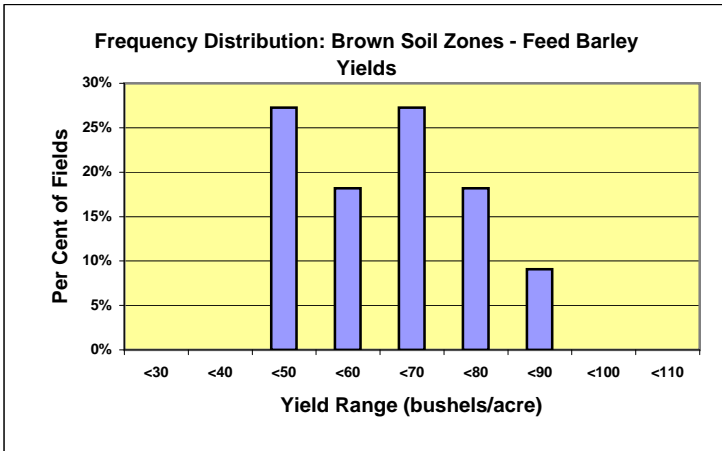
Understanding these concepts in *AgriProfit\$* and evaluating historical performance on a per bushel basis can be very useful for other Alberta Agriculture and Rural Development (ARD) applications. For example, [\*CropChoice\\$\*](#) is a tool that combines traditional crop planning with the ability to measure the riskiness of your plan. Producers can then creatively evaluate potential risk management strategies.

# Brown Soil Zones - Spring Wheat: 2006

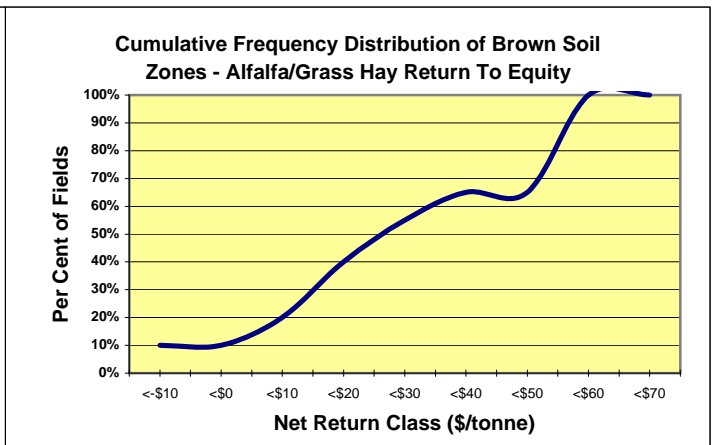
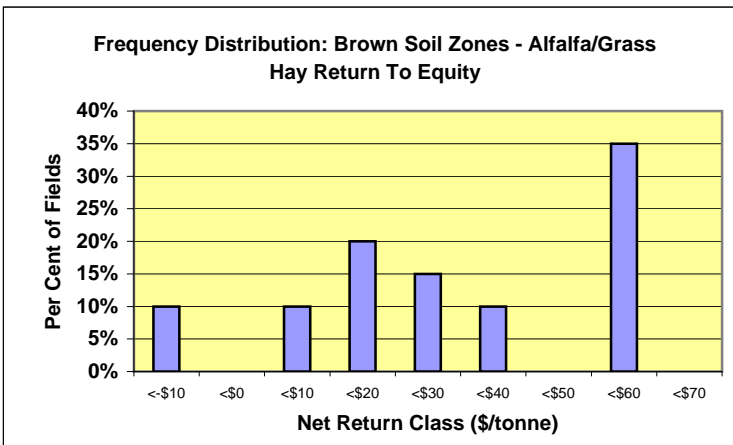
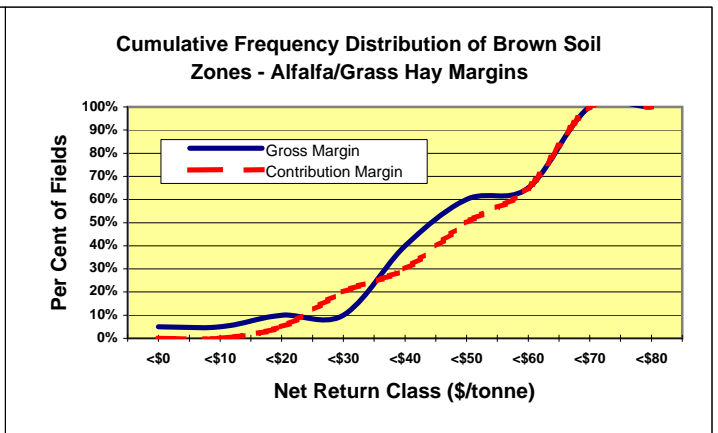
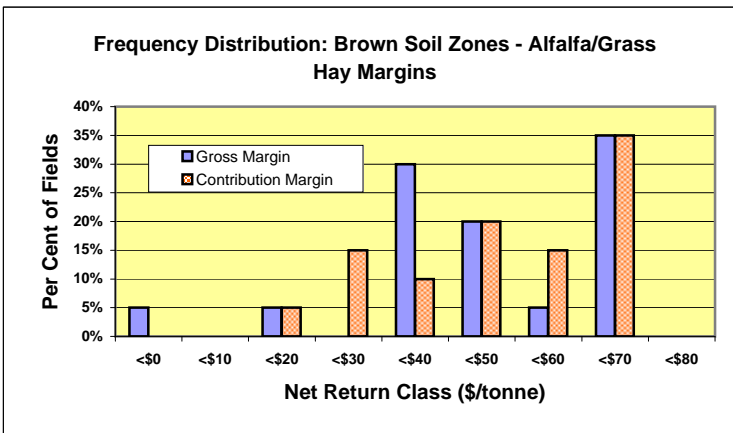
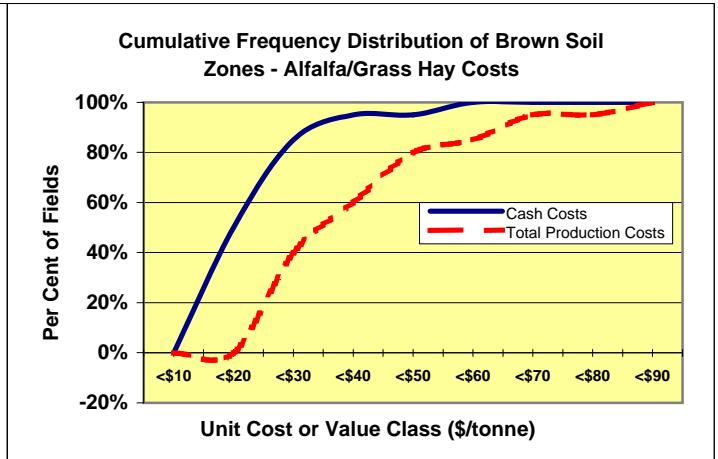
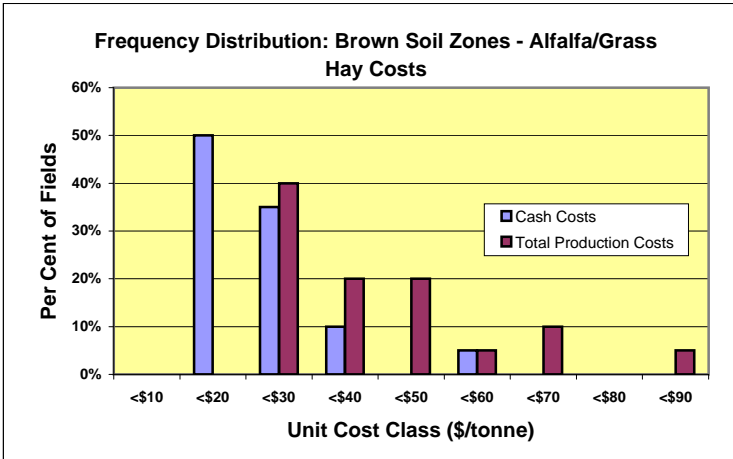
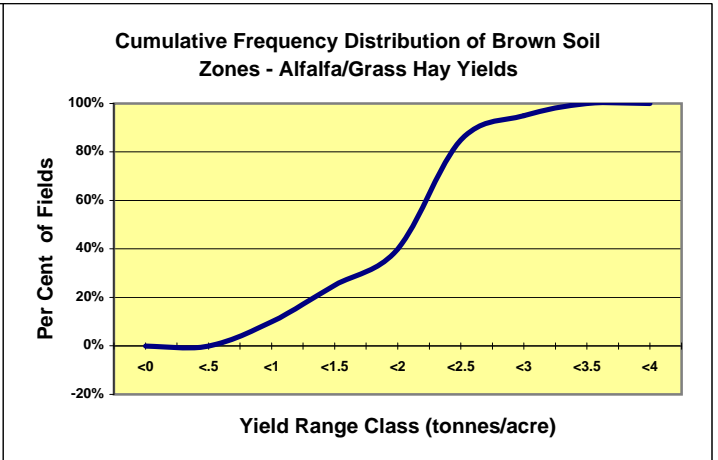
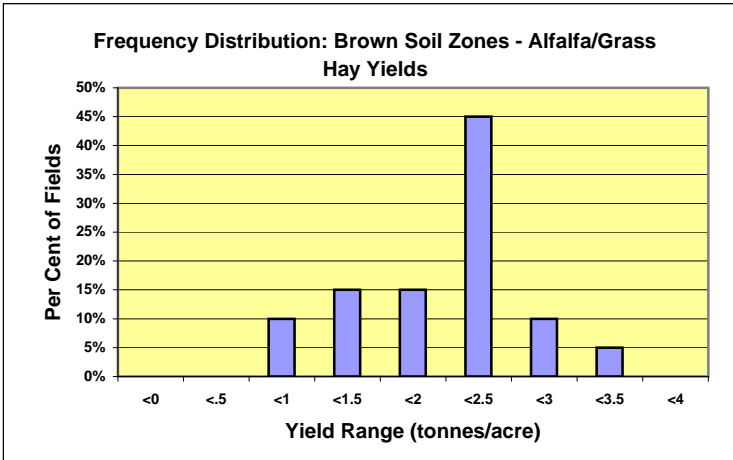


# Brown Soil Zones - Feed Barley: 2006

AgriProfit<sup>®</sup>



# Brown Soil Zones - Alfalfa/Grass Hay: 2006





**DEFINITIONS AND ALLOCATIONS**

**I INCOME**

- A Imputed Value of Production** – total of estimated yields/acre X estimated final prices
- B Crop Insurance Receipts** – added regardless of when payment is received
- C Miscellaneous Receipts** – such as patronage dividends or input rebates
- D Government Program Receipts** – allocated to all cropped acres equally
- E Straw/Aftermath Grazing Revenue** – value of straw + imputed value of grazing

**II EXPENSES**

- A Crop Specific Inputs** – allocated by producer to each crop as documented on the survey form
  1. **Seed**
  2. **Fertilizer**
  3. **Chemical**
  4. **Hail and Crop Insurance**
  5. **Custom Work and Specialized Labour**
  6. **Land Rent** – cash rent or crop share (converted to a cash basis)
- B Allocated Crop Inputs** – allocation ratios based on research from AAFRD
  1. **Irrigation to Dryland Ratio** – allocated to crops at a 3:1 ratio
  2. **Trucking and Marketing** – allocated to specific cropping acres by producer
  3. **Fuel** – Summerfallow – allocation of 0.3:1 compared to crop acres; Sugar beets – allocation of 2.96:1 compared to other irrigated crop acres
  4. **Irrigation Fuel** – allocation based on total pumping hours for each crop
  5. **Machinery Repairs** – allocated equally to all acres except summerfallow (0.3:1) and special crops (as specified by producer)
  6. **Building Repairs** – allocated to all acres equally except for special crops buildings
  7. **Operating Interest** – interest paid on operating loans allocated equally
  8. **Paid Labour** – based on allocations between crops as specified by producer
  9. **Unpaid and Operator Labour** – operator - \$10/hour, other unpaid labour - \$7.50/hour
  10. **Land Taxes** – allocated equally to all owned cropped acres
  11. **Water Rates** – allocated equally to all owned irrigated acres
  12. **Water Rates** – allocated equally to all owned irrigated acres
  13. **Equipment Depreciation** – imputed at 8.5% for power equipment, 11% for non-power, based on current market value

- 14. **Insurance and Licenses** – allocated to all cropped acres equally
- 15. **Building Depreciation** – imputed at 5% on the current market value
- 16. **Paid Capital Interest** – allocated to all owned cropped acres equally except summerfallow (0.25:1)

**III CAPITAL INVESTMENT**

- A Land** – producer estimate of bare land value for both irrigated and dryland owned acreage
- B Buildings** – allocated equally to all acreage except special crops buildings (allocated to the crop)
- C Equipment**
  1. **General Use** – allocated to all acres equally, except summerfallow (0.3:1)
  2. **Crop Specific** – allocated by producer to each crop based on percentage of use
  3. **Irrigation** – allocated according to pumping hours as specified by producer

**IV SUMMARY CALCULATION**

- A Gross Return** = imputed value of production + crop insurance receipts + miscellaneous receipts + government program payments + straw/grazing revenue
- B Variable Costs** = seed + fertilizer + chemicals + crop insurance + trucking and marketing + fuel + machinery and building repairs + utilities + miscellaneous overhead + custom work + operating interest + paid and unpaid labour
- C Total Capital Costs** = land rent + land taxes + water rates + insurance + depreciation + paid capital interest
- D Cash Costs** = variable costs + capital costs – unpaid labour – depreciation
- E Total Production Costs** = variable costs + total capital costs
- F Gross Margin** (returns left to cover total capital costs and operator equity) = gross return – total cash costs
- G Return to Unpaid Labour** (funds remaining after all expenses have been paid except unpaid labour) = gross return – total production costs + unpaid labour
- H Return to Investment** (shows the operation's ability to earn a return on its total assets) = gross return – total production costs + paid capital interest
- I Return to Equity** (amount remaining from operations used to provide a return to individual or shareholder equity) = gross return – total production costs