

# *AgriProfit\$*

**Cost and Return Profiles for  
Selected Crops, 2005  
*Grey-Wooded Soil Zone***

July, 2007



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## OVERVIEW

### 2005 Grey-Wooded Soil Zone

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 surveyed throughout the winter and the Alberta Agriculture and Food (AF) 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 grey-wooded soil zone. 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 Grey-Wooded 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 2005 program season.

For questions regarding this document please contact:

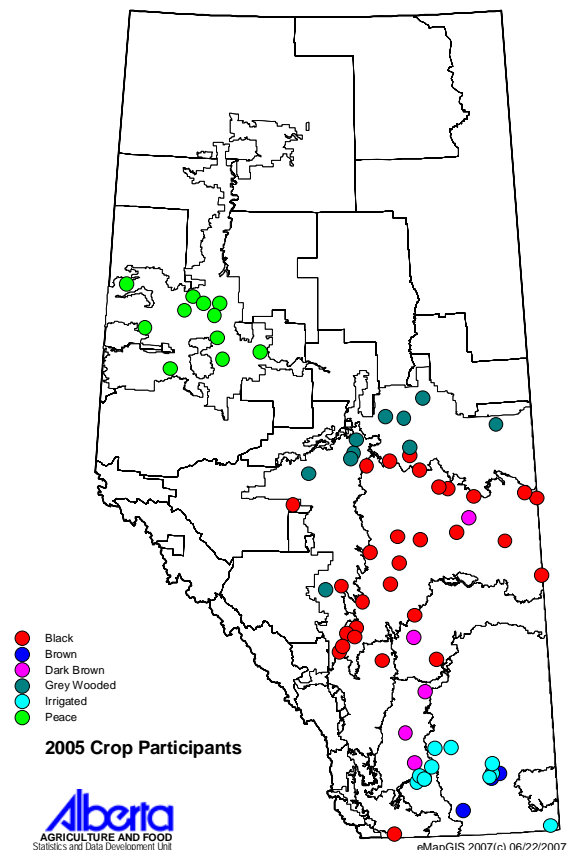
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OR

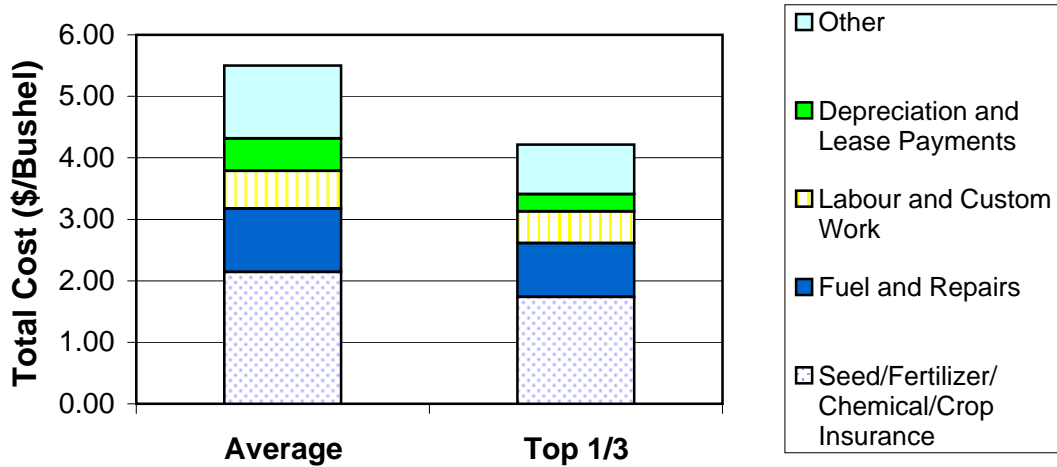
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#### Acknowledgements:

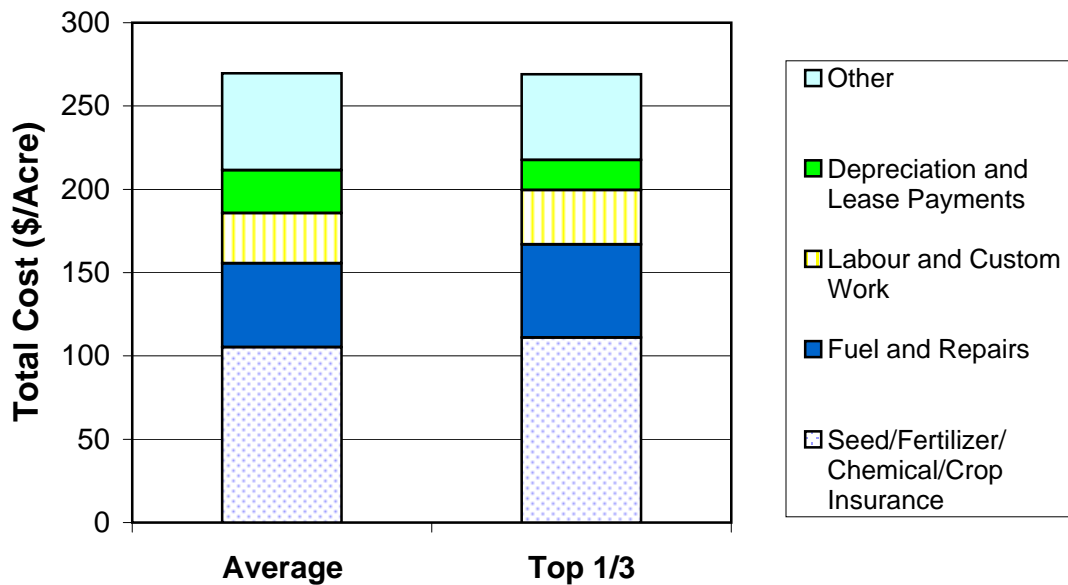
Renn Breitzkreuz, Dale Kaliel, Pauline Van Biert, Shukun Guan, Guangzhi Liu, Nabi Chaudhary, Richard Stadlwieser, Interviewers and Participants



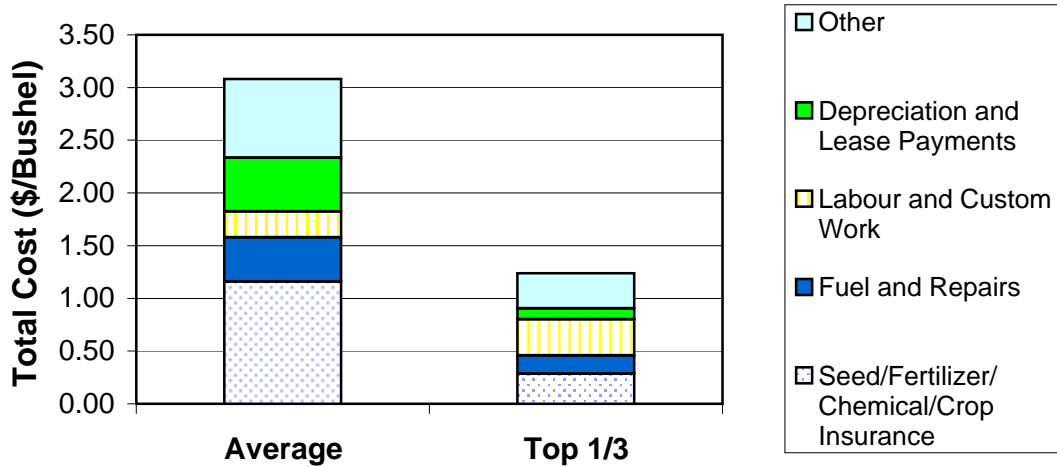
## 2005 Spring Wheat on Grey-Wooded Soil Zones



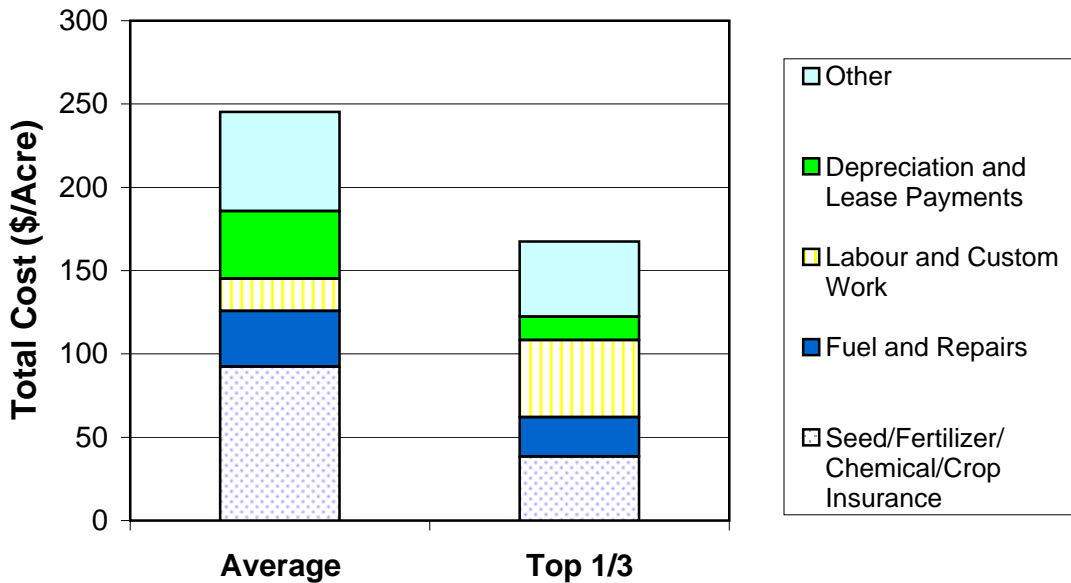
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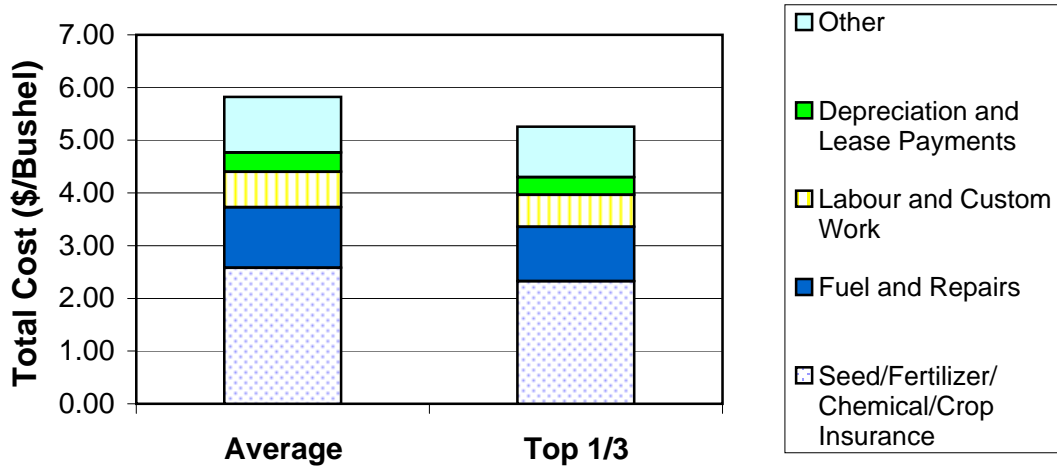
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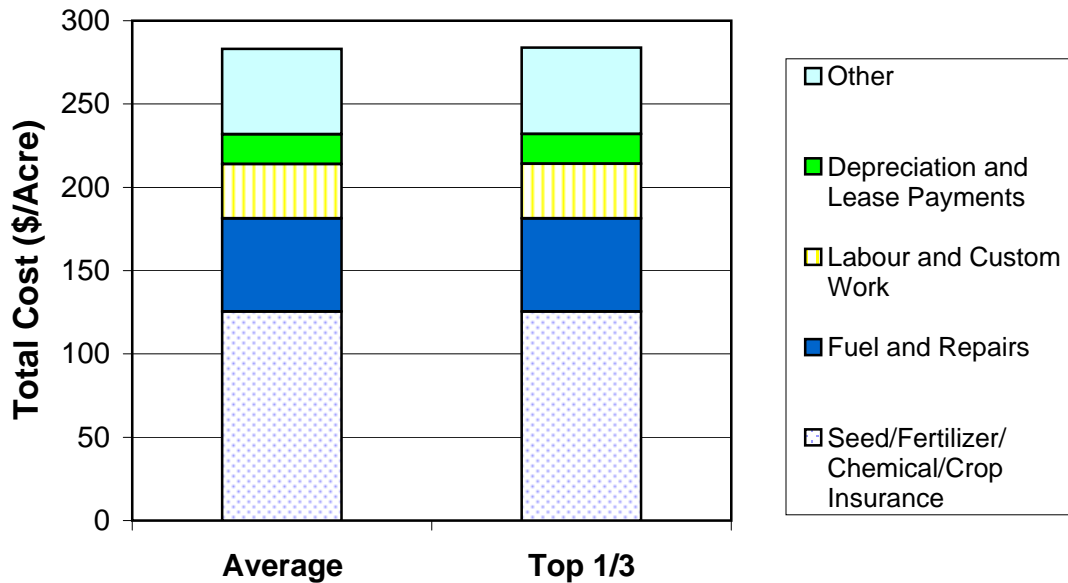
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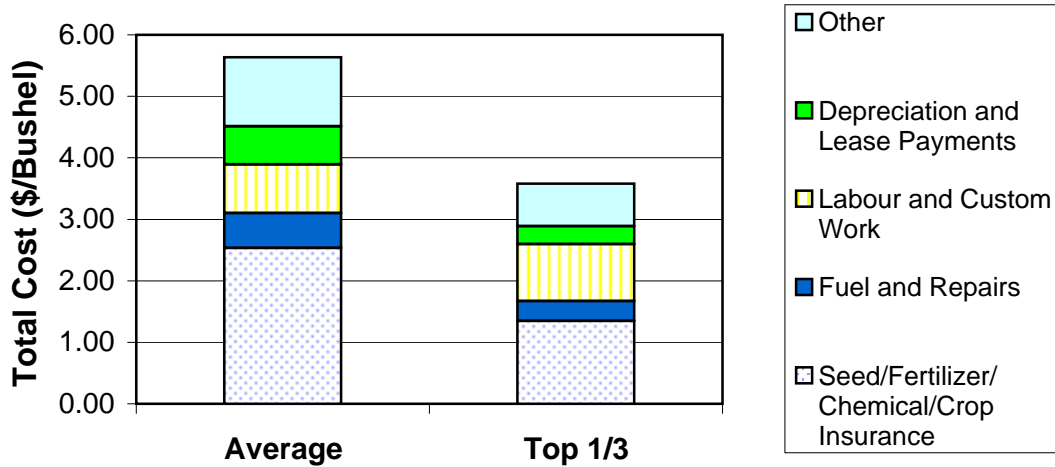
### 2005 Argentine Canola on Grey-Wooded Soil Zones



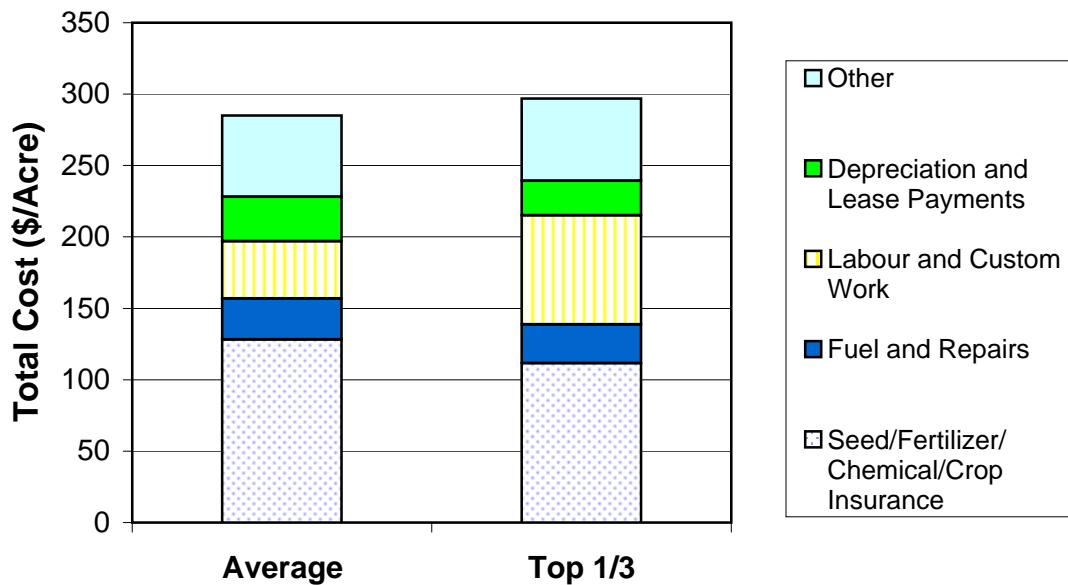
### 2005 Argentine Canola on Grey-Wooded Soil Zones



## 2005 Roundup Ready Canola on Grey-Wooded Soil Zones



## 2005 Roundup Ready Canola on Grey-Wooded Soil Zones



## 2005 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** Spring Wheat - All  
**Soil Zone:** Grey-Wooded - Dryland - Stubble  
**Unit:** Bushel

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	111.39	146.80	2.27	2.30
	2. Crop Insurance Receipts	27.10	35.97	0.55	0.56
	3. Other Receipts	6.31	8.36	0.13	0.13
	<b>Gross Receipts</b>	<b>144.79</b>	<b>191.13</b>	<b>2.95</b>	<b>2.99</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	5.75	1.65	0.12	0.03
	2. Fertilizer	50.93	54.24	1.04	0.85
	3. Chemical	25.35	27.13	0.52	0.43
	4. Hail/Crop Insurance Premium	23.12	28.04	0.47	0.44
	5. Trucking and Marketing	2.36	2.46	0.05	0.04
	6. Fuel	28.90	33.53	0.59	0.53
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	6.35	0.52	0.13	0.01
	9. Repairs - Buildings	15.13	21.74	0.31	0.34
	10. Utilities and Miscellaneous	20.37	16.19	0.42	0.25
	11. Custom Work	5.06	3.98	0.10	0.06
	12. Operating Interest Paid	2.65	2.25	0.05	0.04
	13. Paid Labour	5.18	7.57	0.11	0.12
	14. Unpaid Labour	20.02	21.24	0.41	0.33
	<b>Variable Costs</b>	<b>211.18</b>	<b>220.54</b>	<b>4.31</b>	<b>3.46</b>
<b>(C)</b>	1. Cash/ Share Land Rent	18.39	16.38	0.38	0.26
	2. Taxes, Water Rates, License & Ins.	4.58	3.24	0.09	0.05
	3. Equipment and Building: a) Depreciation	25.67	17.90	0.52	0.28
	b) Lease Payments	0.00	0.00	0.00	0.00
4. Paid Capital Interest	9.74	10.93	0.20	0.76	
	<b>Capital Costs</b>	<b>58.38</b>	<b>48.45</b>	<b>1.19</b>	<b>1.35</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>223.87</b>	<b>229.85</b>	<b>4.57</b>	<b>4.19</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>269.56</b>	<b>268.99</b>	<b>5.50</b>	<b>4.80</b>
	<b>Gross Margin (A-D)</b>	<b>(79.08)</b>	<b>(38.73)</b>	<b>(1.61)</b>	<b>(1.19)</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>(104.75)</b>	<b>(56.62)</b>	<b>(2.14)</b>	<b>(1.47)</b>
	<b>Return to Investment (A-E+C4)</b>	<b>(115.03)</b>	<b>(66.93)</b>	<b>(2.35)</b>	<b>(1.05)</b>
	<b>Return to Equity (A-E)</b>	<b>(124.77)</b>	<b>(77.86)</b>	<b>(2.55)</b>	<b>(1.81)</b>

### Investment

Buildings	79.29	38.99
Machinery	230.14	171.77
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>458.96</b>	<b>210.76</b>

### Management

Average Yield	(Bushel/acre)	49.01	63.83
Expected Market Price	(\$/Bushel)	2.27	2.30



## 2005 Crop Enterprise Analysis

*AgriProfit*®

**Crop:** Spring Wheat - Own  
**Soil Zone:** Grey-Wooded - Dryland - Stubble  
**Unit:** Bushel

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
<b>(A)</b>	1. Crop Sales	127.26	--	2.25	--	
	2. Crop Insurance Receipts	8.38	--	0.15	--	
	3. Other Receipts	4.18	--	0.07	--	
	<b>Gross Receipts</b>	<b>139.82</b>	<b>0.00</b>	<b>2.47</b>	<b>0.00</b>	
<b>(B)</b>	<b>Cost Items</b>					
	1. Seed	9.35	--	0.17	--	
	2. Fertilizer	47.20	--	0.83	--	
	3. Chemical	23.87	--	0.42	--	
	4. Hail/Crop Insurance Premium	17.34	--	0.31	--	
	5. Trucking and Marketing	2.93	--	0.05	--	
	6. Fuel	25.85	--	0.46	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	13.02	--	0.23	--	
	9. Repairs - Buildings	8.26	--	0.15	--	
	10. Utilities and Miscellaneous	23.86	--	0.42	--	
	11. Custom Work	1.42	--	0.03	--	
	12. Operating Interest Paid	3.04	--	0.05	--	
	13. Paid Labour	2.70	--	0.05	--	
	14. Unpaid Labour	19.89	--	0.35	--	
	<b>Variable Costs</b>	<b>198.71</b>	<b>0.00</b>	<b>3.51</b>	<b>0.00</b>	
<b>(C)</b>	1. Cash/ Share Land Rent	0.00	--	0.00	--	
	2. Taxes, Water Rates, License & Ins.	7.64	--	0.14	--	
	3. Equipment and Building:	a) Depreciation	37.59	--	0.66	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	27.15	--	0.48	--	
	<b>Capital Costs</b>	<b>72.39</b>	<b>0.00</b>	<b>1.28</b>	<b>0.00</b>	
<b>(D)</b>	<b>Cash Costs</b>	<b>213.62</b>	<b>--</b>	<b>3.78</b>	<b>--</b>	
<b>(E)</b>	<b>Total Production Costs</b>	<b>271.10</b>	<b>--</b>	<b>4.79</b>	<b>--</b>	
	<b>Gross Margin</b>	<b>(73.80)</b>	<b>--</b>	<b>(1.30)</b>	<b>--</b>	
	<b>Return to Unpaid Labour</b>	<b>(111.39)</b>	<b>--</b>	<b>(1.97)</b>	<b>--</b>	
	<b>Return to Investment</b>	<b>(104.13)</b>	<b>--</b>	<b>(1.84)</b>	<b>--</b>	
	<b>Return to Equity</b>	<b>(131.28)</b>	<b>--</b>	<b>(2.32)</b>	<b>--</b>	

### Investment

Buildings	134.39	--
Machinery	325.90	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>932.93</b>	<b>--</b>

### Management

Average Yield	(Bushel/acre)	56.55	--
Expected Market Price	(\$/Bushel)	2.25	--

## 2005 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** Spring Wheat - Rent  
**Soil Zone:** Grey-Wooded - Dryland - Stubble  
**Unit:** Bushel

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
<b>(A)</b>	1. Crop Sales	104.04	--	2.29	--	
	2. Crop Insurance Receipts	35.76	--	0.79	--	
	3. Other Receipts	7.29	--	0.16	--	
	<b>Gross Receipts</b>	<b>147.09</b>	<b>0.00</b>	<b>3.23</b>	<b>0.00</b>	
<b>(B)</b>	<b>Cost Items</b>					
	1. Seed	4.09	--	0.09	--	
	2. Fertilizer	52.66	--	1.16	--	
	3. Chemical	26.04	--	0.57	--	
	4. Hail/Crop Insurance Premium	25.80	--	0.57	--	
	5. Trucking and Marketing	2.10	--	0.05	--	
	6. Fuel	30.31	--	0.67	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	3.27	--	0.07	--	
	9. Repairs - Buildings	18.30	--	0.40	--	
	10. Utilities and Miscellaneous	18.76	--	0.41	--	
	11. Custom Work	6.74	--	0.15	--	
	12. Operating Interest Paid	2.47	--	0.05	--	
	13. Paid Labour	6.33	--	0.14	--	
	14. Unpaid Labour	20.08	--	0.44	--	
<b>Variable Costs</b>	<b>216.95</b>	<b>0.00</b>	<b>4.77</b>	<b>0.00</b>		
<b>(C)</b>	1. Cash/ Share Land Rent	26.91	--	0.59	--	
	2. Taxes, Water Rates, License & Ins.	3.16	--	0.07	--	
	3. Equipment and Building:	a) Depreciation	20.15	--	0.44	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	1.69	--	0.04	--	
<b>Capital Costs</b>	<b>51.90</b>	<b>0.00</b>	<b>1.14</b>	<b>0.00</b>		
<b>(D)</b>	<b>Cash Costs</b>	<b>(B+C-B14-C3a)</b>	<b>228.62</b>	<b>--</b>	<b>5.02</b>	<b>--</b>
<b>(E)</b>	<b>Total Production Costs</b>	<b>(B+C)</b>	<b>268.85</b>	<b>--</b>	<b>5.91</b>	<b>--</b>
	<b>Gross Margin</b>	<b>(A-D)</b>	<b>(81.52)</b>	<b>--</b>	<b>(1.79)</b>	<b>--</b>
	<b>Return to Unpaid Labour</b>	<b>(A-E+B14)</b>	<b>(101.68)</b>	<b>--</b>	<b>(2.23)</b>	<b>--</b>
	<b>Return to Investment</b>	<b>(A-E+C4)</b>	<b>(120.07)</b>	<b>--</b>	<b>(2.64)</b>	<b>--</b>
	<b>Return to Equity</b>	<b>(A-E)</b>	<b>(121.76)</b>	<b>--</b>	<b>(2.67)</b>	<b>--</b>

### Investment

Buildings	53.79	--
Machinery	185.83	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>239.62</b>	<b>--</b>

### Management

Average Yield	(Bushel/acre)	45.52	--
Expected Market Price	(\$/Bushel)	2.29	--

## 2005 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** *Feed Barley - All*  
**Soil Zone:** *Grey-Wooded - Dryland - Stubble*  
**Unit:** *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	154.46	258.53	1.94	1.91
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00
	3. Other Receipts	23.14	40.57	0.29	0.30
	<b>Gross Receipts</b>	<b>177.60</b>	<b>299.10</b>	<b>2.23</b>	<b>2.21</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	11.05	9.85	0.14	0.07
	2. Fertilizer	49.42	12.19	0.62	0.09
	3. Chemical	21.39	11.79	0.27	0.09
	4. Hail/Crop Insurance Premium	10.43	4.53	0.13	0.03
	5. Trucking and Marketing	1.26	3.81	0.02	0.03
	6. Fuel	18.63	8.54	0.23	0.06
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	14.41	14.44	0.18	0.11
	9. Repairs - Buildings	0.38	0.69	0.00	0.01
	10. Utilities and Miscellaneous	10.33	11.77	0.13	0.09
	11. Custom Work	2.77	29.03	0.03	0.21
	12. Operating Interest Paid	3.41	0.36	0.04	0.00
	13. Paid Labour	4.21	8.89	0.05	0.07
	14. Unpaid Labour	12.59	8.47	0.16	0.06
	<b>Variable Costs</b>	<b>160.29</b>	<b>124.35</b>	<b>2.01</b>	<b>0.92</b>
<b>(C)</b>	1. Cash/ Share Land Rent	28.50	12.87	0.36	0.10
	2. Taxes, Water Rates, License & Ins.	7.91	2.60	0.10	0.02
	3. Equipment and Building: a) Depreciation	40.28	12.43	0.51	0.09
	b) Lease Payments	0.14	1.46	0.00	0.01
4. Paid Capital Interest	8.16	13.73	0.10	0.32	
	<b>Capital Costs</b>	<b>84.99</b>	<b>43.08</b>	<b>1.07</b>	<b>0.54</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>192.41</b>	<b>146.53</b>	<b>2.42</b>	<b>1.30</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>245.28</b>	<b>167.43</b>	<b>3.08</b>	<b>1.46</b>
	<b>Gross Margin (A-D)</b>	<b>(14.81)</b>	<b>152.56</b>	<b>(0.19)</b>	<b>0.91</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>(55.09)</b>	<b>140.13</b>	<b>(0.69)</b>	<b>0.82</b>
	<b>Return to Investment (A-E+C4)</b>	<b>(59.52)</b>	<b>145.40</b>	<b>(0.75)</b>	<b>1.08</b>
	<b>Return to Equity (A-E)</b>	<b>(67.68)</b>	<b>131.67</b>	<b>(0.85)</b>	<b>0.76</b>

**Investment**

Buildings	107.67	43.56
Machinery	379.25	114.68
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>875.35</b>	<b>951.66</b>

**Management**

Average Yield (Bushel/acre)	79.57	135.07
Expected Market Price (\$/Bushel)	1.94	1.91

## 2005 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** *Feed Barley - Own*  
**Soil Zone:** *Grey-Wooded - Dryland - Stubble*  
**Unit:** *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	175.50	--	1.94	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	25.81	--	0.29	--
	<b>Gross Receipts</b>	<b>201.31</b>	<b>0.00</b>	<b>2.22</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	9.60	--	0.11	--
	2. Fertilizer	42.99	--	0.47	--
	3. Chemical	21.31	--	0.24	--
	4. Hail/Crop Insurance Premium	9.43	--	0.10	--
	5. Trucking and Marketing	2.09	--	0.02	--
	6. Fuel	17.96	--	0.20	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	14.58	--	0.16	--
	9. Repairs - Buildings	0.40	--	0.00	--
	10. Utilities and Miscellaneous	7.95	--	0.09	--
	11. Custom Work	7.71	--	0.09	--
	12. Operating Interest Paid	2.77	--	0.03	--
	13. Paid Labour	5.67	--	0.06	--
14. Unpaid Labour	12.25	--	0.14	--	
	<b>Variable Costs</b>	<b>154.71</b>	<b>0.00</b>	<b>1.71</b>	<b>0.00</b>
<b>(C)</b>	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	9.53	--	0.11	--
	3. Equipment and Building: a) Depreciation	37.34	--	0.41	--
	b) Lease Payments	0.38	--	0.00	--
4. Paid Capital Interest	9.90	--	0.11	--	
	<b>Capital Costs</b>	<b>57.16</b>	<b>0.00</b>	<b>0.63</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs</b>	<b>162.28</b>	--	<b>1.79</b>	--
<b>(E)</b>	<b>Total Production Costs</b>	<b>211.87</b>	--	<b>2.34</b>	--
	<b>Gross Margin</b>	<b>39.03</b>	--	<b>0.43</b>	--
	<b>Return to Unpaid Labour</b>	<b>1.69</b>	--	<b>0.02</b>	--
	<b>Return to Investment</b>	<b>(0.66)</b>	--	<b>(0.01)</b>	--
	<b>Return to Equity</b>	<b>(10.56)</b>	--	<b>(0.12)</b>	--

**Investment**

Buildings	98.81	--
Machinery	354.78	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>1542.14</b>	--

**Management**

Average Yield	(Bushel/acre)	90.53	--
Expected Market Price	(\$/Bushel)	1.94	--

## 2005 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** *Feed Barley - Rent*  
**Soil Zone:** *Grey-Wooded - Dryland - Stubble*  
**Unit:** *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
<b>(A)</b>	1. Crop Sales	142.78	--	1.94	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	21.66	--	0.29	--	
	<b>Gross Receipts</b>	<b>164.44</b>	<b>0.00</b>	<b>2.24</b>	<b>0.00</b>	
<b>(B)</b>	<b>Cost Items</b>					
	1. Seed	11.86	--	0.16	--	
	2. Fertilizer	53.00	--	0.72	--	
	3. Chemical	21.43	--	0.29	--	
	4. Hail/Crop Insurance Premium	10.98	--	0.15	--	
	5. Trucking and Marketing	0.81	--	0.01	--	
	6. Fuel	19.00	--	0.26	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	14.32	--	0.19	--	
	9. Repairs - Buildings	0.37	--	0.01	--	
	10. Utilities and Miscellaneous	11.65	--	0.16	--	
	11. Custom Work	0.04	--	0.00	--	
	12. Operating Interest Paid	3.77	--	0.05	--	
	13. Paid Labour	3.40	--	0.05	--	
	14. Unpaid Labour	12.78	--	0.17	--	
<b>Variable Costs</b>	<b>163.39</b>	<b>0.00</b>	<b>2.22</b>	<b>0.00</b>		
<b>(C)</b>	1. Cash/ Share Land Rent	44.31	--	0.60	--	
	2. Taxes, Water Rates, License & Ins.	7.00	--	0.10	--	
	3. Equipment and Building:	a) Depreciation	41.91	--	0.57	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	7.19	--	0.10	--	
<b>Capital Costs</b>	<b>100.42</b>	<b>0.00</b>	<b>1.37</b>	<b>0.00</b>		
<b>(D)</b>	<b>Cash Costs</b>	<b>209.12</b>	<b>--</b>	<b>2.85</b>	<b>--</b>	
<b>(E)</b>	<b>Total Production Costs</b>	<b>263.81</b>	<b>--</b>	<b>3.59</b>	<b>--</b>	
	<b>Gross Margin</b>	<b>(44.68)</b>	<b>--</b>	<b>(0.61)</b>	<b>--</b>	
	<b>Return to Unpaid Labour</b>	<b>(86.59)</b>	<b>--</b>	<b>(1.18)</b>	<b>--</b>	
	<b>Return to Investment</b>	<b>(92.18)</b>	<b>--</b>	<b>(1.25)</b>	<b>--</b>	
	<b>Return to Equity</b>	<b>(99.37)</b>	<b>--</b>	<b>(1.35)</b>	<b>--</b>	

**Investment**

Buildings	112.59	--
Machinery	392.82	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>505.41</b>	<b>--</b>

**Management**

Average Yield	(Bushel/acre)	73.49	--
Expected Market Price	(\$/Bushel)	1.94	--

## 2005 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** Oats - All  
**Soil Zone:** Grey-Wooded - Dryland - Stubble  
**Unit:** Bushel

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	198.24	--	1.58	--
	2. Crop Insurance Receipts	3.05	--	0.02	--
	3. Other Receipts	26.62	--	0.21	--
	<b>Gross Receipts</b>	<b>227.91</b>	<b>0.00</b>	<b>1.82</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	7.89	--	0.06	--
	2. Fertilizer	36.13	--	0.29	--
	3. Chemical	9.11	--	0.07	--
	4. Hail/Crop Insurance Premium	11.93	--	0.10	--
	5. Trucking and Marketing	7.10	--	0.06	--
	6. Fuel	14.56	--	0.12	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	11.62	--	0.09	--
	9. Repairs - Buildings	7.09	--	0.06	--
	10. Utilities and Miscellaneous	13.63	--	0.11	--
	11. Custom Work	34.29	--	0.27	--
	12. Operating Interest Paid	1.69	--	0.01	--
	13. Paid Labour	16.52	--	0.13	--
	14. Unpaid Labour	8.58	--	0.07	--
	<b>Variable Costs</b>	<b>180.14</b>	<b>0.00</b>	<b>1.44</b>	<b>0.00</b>
<b>(C)</b>	1. Cash/ Share Land Rent	27.31	--	0.22	--
	2. Taxes, Water Rates, License & Ins.	1.72	--	0.01	--
	3. Equipment and Building: a) Depreciation	14.77	--	0.12	--
	b) Lease Payments	7.62	--	0.06	--
4. Paid Capital Interest	3.59	--	0.03	--	
	<b>Capital Costs</b>	<b>55.01</b>	<b>0.00</b>	<b>0.44</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>211.80</b>	--	<b>1.69</b>	--
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>235.15</b>	--	<b>1.88</b>	--
	<b>Gross Margin (A-D)</b>	<b>16.11</b>	--	<b>0.13</b>	--
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>1.34</b>	--	<b>0.01</b>	--
	<b>Return to Investment (A-E+C4)</b>	<b>(3.65)</b>	--	<b>(0.03)</b>	--
	<b>Return to Equity (A-E)</b>	<b>(7.24)</b>	--	<b>(0.06)</b>	--

**Investment**

Buildings	42.69	--
Machinery	141.06	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>264.78</b>	--

**Management**

Average Yield (Bushel/acre)	125.11	--
Expected Market Price (\$/Bushel)	1.58	--

## 2005 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** Oats - Rent  
**Soil Zone:** Grey-Wooded - Dryland - Stubble  
**Unit:** Bushel

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
<b>(A)</b>	1. Crop Sales	205.52	--	1.60	--	
	2. Crop Insurance Receipts	3.28	--	0.03	--	
	3. Other Receipts	26.37	--	0.21	--	
	<b>Gross Receipts</b>	<b>235.17</b>	<b>0.00</b>	<b>1.83</b>	<b>0.00</b>	
<b>(B)</b>	<b>Cost Items</b>					
	1. Seed	7.81	--	0.06	--	
	2. Fertilizer	38.25	--	0.30	--	
	3. Chemical	9.79	--	0.08	--	
	4. Hail/Crop Insurance Premium	12.82	--	0.10	--	
	5. Trucking and Marketing	7.29	--	0.06	--	
	6. Fuel	15.18	--	0.12	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	11.79	--	0.09	--	
	9. Repairs - Buildings	7.58	--	0.06	--	
	10. Utilities and Miscellaneous	13.69	--	0.11	--	
	11. Custom Work	34.25	--	0.27	--	
	12. Operating Interest Paid	1.79	--	0.01	--	
	13. Paid Labour	17.61	--	0.14	--	
	14. Unpaid Labour	8.75	--	0.07	--	
<b>Variable Costs</b>	<b>186.60</b>	<b>0.00</b>	<b>1.45</b>	<b>0.00</b>		
<b>(C)</b>	1. Cash/ Share Land Rent	29.33	--	0.23	--	
	2. Taxes, Water Rates, License & Ins.	1.60	--	0.01	--	
	3. Equipment and Building:	a) Depreciation	14.99	--	0.12	--
		b) Lease Payments	8.19	--	0.06	--
	4. Paid Capital Interest	3.81	--	0.03	--	
<b>Capital Costs</b>	<b>57.92</b>	<b>0.00</b>	<b>0.45</b>	<b>0.00</b>		
<b>(D)</b>	<b>Cash Costs</b>	<b>220.77</b>	<b>--</b>	<b>1.72</b>	<b>--</b>	
<b>(E)</b>	<b>Total Production Costs</b>	<b>244.51</b>	<b>--</b>	<b>1.90</b>	<b>--</b>	
	<b>Gross Margin</b>	<b>14.40</b>	<b>--</b>	<b>0.11</b>	<b>--</b>	
	<b>Return to Unpaid Labour</b>	<b>(0.59)</b>	<b>--</b>	<b>(0.00)</b>	<b>--</b>	
	<b>Return to Investment</b>	<b>(5.53)</b>	<b>--</b>	<b>(0.04)</b>	<b>--</b>	
	<b>Return to Equity</b>	<b>(9.35)</b>	<b>--</b>	<b>(0.07)</b>	<b>--</b>	

**Investment**

Buildings	42.46	--
Machinery	143.99	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>186.45</b>	<b>--</b>

**Management**

Average Yield	(Bushel/acre)	128.46	--
Expected Market Price	(\$/Bushel)	1.60	--

## 2005 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** Argentine Canola - All  
**Soil Zone:** Grey-Wooded - Dryland - Stubble  
**Unit:** Bushel

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
<b>(A)</b>	1. Crop Sales	296.88	335.88	6.10	6.22	
	2. Crop Insurance Receipts	13.57	13.94	0.28	0.26	
	3. Other Receipts	8.36	8.36	0.17	0.15	
	<b>Gross Receipts</b>	<b>318.81</b>	<b>358.18</b>	<b>6.56</b>	<b>6.63</b>	
<b>(B)</b>	<b>Cost Items</b>					
	1. Seed	19.62	19.62	0.40	0.36	
	2. Fertilizer	54.25	54.25	1.12	1.00	
	3. Chemical	27.10	27.10	0.56	0.50	
	4. Hail/Crop Insurance Premium	24.46	24.51	0.50	0.45	
	5. Trucking and Marketing	2.46	2.46	0.05	0.05	
	6. Fuel	33.53	33.53	0.69	0.62	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	0.52	0.52	0.01	0.01	
	9. Repairs - Buildings	21.74	21.74	0.45	0.40	
	10. Utilities and Miscellaneous	16.19	16.19	0.33	0.30	
	11. Custom Work	3.98	3.98	0.08	0.07	
	12. Operating Interest Paid	2.25	2.25	0.05	0.04	
	13. Paid Labour	7.57	7.57	0.16	0.14	
	14. Unpaid Labour	21.24	21.24	0.44	0.39	
	<b>Variable Costs</b>	<b>234.91</b>	<b>234.96</b>	<b>4.83</b>	<b>4.35</b>	
<b>(C)</b>	1. Cash/ Share Land Rent	14.47	7.16	0.30	0.13	
	2. Taxes, Water Rates, License & Ins.	3.31	3.64	0.07	0.07	
	3. Equipment and Building:	a) Depreciation	17.90	17.90	0.37	0.33
		b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	12.58	20.28	0.26	0.91	
	<b>Capital Costs</b>	<b>48.26</b>	<b>48.97</b>	<b>0.99</b>	<b>1.44</b>	
<b>(D)</b>	<b>Cash Costs</b>	<b>(B+C-B14-C3a)</b>	<b>244.04</b>	<b>244.80</b>	<b>5.02</b>	<b>5.06</b>
<b>(E)</b>	<b>Total Production Costs</b>	<b>(B+C)</b>	<b>283.17</b>	<b>283.94</b>	<b>5.82</b>	<b>5.79</b>
	<b>Gross Margin</b>	<b>(A-D)</b>	<b>74.77</b>	<b>113.38</b>	<b>1.54</b>	<b>1.57</b>
	<b>Return to Unpaid Labour</b>	<b>(A-E+B14)</b>	<b>56.87</b>	<b>95.48</b>	<b>1.17</b>	<b>1.24</b>
	<b>Return to Investment</b>	<b>(A-E+C4)</b>	<b>48.22</b>	<b>94.52</b>	<b>0.99</b>	<b>1.75</b>
	<b>Return to Equity</b>	<b>(A-E)</b>	<b>35.64</b>	<b>74.24</b>	<b>0.73</b>	<b>0.84</b>

### Investment

Buildings	38.99	38.99
Machinery	171.77	171.77
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>210.76</b>	<b>210.76</b>

### Management

Average Yield	(Bushel/acre)	48.63	54.00
Expected Market Price	(\$/Bushel)	6.10	6.22



## 2005 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** Argentine Canola - Own  
**Soil Zone:** Grey-Wooded - Dryland - Stubble  
**Unit:** Bushel

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
<b>(A)</b>	1. Crop Sales	322.15	--	5.97	--	
	2. Crop Insurance Receipts	17.72	--	0.33	--	
	3. Other Receipts	8.36	--	0.15	--	
	<b>Gross Receipts</b>	<b>348.23</b>	<b>0.00</b>	<b>6.45</b>	<b>0.00</b>	
<b>(B)</b>	<b>Cost Items</b>					
	1. Seed	19.62	--	0.36	--	
	2. Fertilizer	54.24	--	1.00	--	
	3. Chemical	27.10	--	0.50	--	
	4. Hail/Crop Insurance Premium	25.91	--	0.48	--	
	5. Trucking and Marketing	2.46	--	0.05	--	
	6. Fuel	33.53	--	0.62	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	0.52	--	0.01	--	
	9. Repairs - Buildings	21.74	--	0.40	--	
	10. Utilities and Miscellaneous	16.19	--	0.30	--	
	11. Custom Work	3.98	--	0.07	--	
	12. Operating Interest Paid	2.25	--	0.04	--	
	13. Paid Labour	7.57	--	0.14	--	
	14. Unpaid Labour	21.24	--	0.39	--	
	<b>Variable Costs</b>	<b>236.35</b>	<b>0.00</b>	<b>4.38</b>	<b>0.00</b>	
<b>(C)</b>	1. Cash/ Share Land Rent	0.00	--	0.00	--	
	2. Taxes, Water Rates, License & Ins.	4.05	--	0.07	--	
	3. Equipment and Building:	a) Depreciation	17.90	--	0.33	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	29.74	--	0.55	--	
	<b>Capital Costs</b>	<b>51.68</b>	<b>0.00</b>	<b>0.96</b>	<b>0.00</b>	
<b>(D)</b>	<b>Cash Costs</b>	<b>(B+C-B14-C3a)</b>	<b>248.90</b>	<b>--</b>	<b>4.61</b>	
<b>(E)</b>	<b>Total Production Costs</b>	<b>(B+C)</b>	<b>288.03</b>	<b>--</b>	<b>5.33</b>	
	<b>Gross Margin</b>	<b>(A-D)</b>	<b>99.33</b>	<b>--</b>	<b>1.84</b>	
	<b>Return to Unpaid Labour</b>	<b>(A-E+B14)</b>	<b>81.44</b>	<b>--</b>	<b>1.51</b>	
	<b>Return to Investment</b>	<b>(A-E+C4)</b>	<b>89.94</b>	<b>--</b>	<b>1.67</b>	
	<b>Return to Equity</b>	<b>(A-E)</b>	<b>60.20</b>	<b>--</b>	<b>1.11</b>	

### Investment

Buildings	38.99	--
Machinery	171.77	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>210.76</b>	<b>--</b>

### Management

Average Yield	(Bushel/acre)	54.00	--
Expected Market Price	(\$/Bushel)	5.97	--

## 2005 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** Argentine Canola - Rent  
**Soil Zone:** Grey-Wooded - Dryland - Stubble  
**Unit:** Bushel

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
<b>(A)</b>	1. Crop Sales	279.33	315.32	6.22	6.22	
	2. Crop Insurance Receipts	10.68	10.68	0.24	0.21	
	3. Other Receipts	8.36	8.36	0.19	0.16	
	<b>Gross Receipts</b>	<b>298.37</b>	<b>334.36</b>	<b>6.64</b>	<b>6.60</b>	
<b>(B)</b>	<b>Cost Items</b>					
	1. Seed	19.62	19.62	0.44	0.39	
	2. Fertilizer	54.25	54.25	1.21	1.07	
	3. Chemical	27.10	27.10	0.60	0.53	
	4. Hail/Crop Insurance Premium	23.46	23.37	0.52	0.46	
	5. Trucking and Marketing	2.46	2.46	0.05	0.05	
	6. Fuel	33.53	33.53	0.75	0.66	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	0.52	0.52	0.01	0.01	
	9. Repairs - Buildings	21.74	21.74	0.48	0.43	
	10. Utilities and Miscellaneous	16.19	16.19	0.36	0.32	
	11. Custom Work	3.98	3.98	0.09	0.08	
	12. Operating Interest Paid	2.25	2.25	0.05	0.04	
	13. Paid Labour	7.57	7.57	0.17	0.15	
	14. Unpaid Labour	21.24	21.24	0.47	0.42	
	<b>Variable Costs</b>	<b>233.91</b>	<b>233.81</b>	<b>5.21</b>	<b>4.61</b>	
<b>(C)</b>	1. Cash/ Share Land Rent	24.52	22.91	0.55	0.45	
	2. Taxes, Water Rates, License & Ins.	2.80	2.80	0.06	0.06	
	3. Equipment and Building:	a) Depreciation	17.90	17.90	0.40	0.35
		b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	0.67	0.67	0.01	0.87	
	<b>Capital Costs</b>	<b>45.88</b>	<b>44.28</b>	<b>1.02</b>	<b>1.73</b>	
<b>(D)</b>	<b>Cash Costs</b>	<b>(B+C-B14-C3a)</b>	<b>240.66</b>	<b>238.96</b>	<b>5.36</b>	<b>5.57</b>
<b>(E)</b>	<b>Total Production Costs</b>	<b>(B+C)</b>	<b>279.79</b>	<b>278.09</b>	<b>6.23</b>	<b>6.35</b>
	<b>Gross Margin</b>	<b>(A-D)</b>	<b>57.71</b>	<b>95.40</b>	<b>1.29</b>	<b>1.02</b>
	<b>Return to Unpaid Labour</b>	<b>(A-E+B14)</b>	<b>39.82</b>	<b>77.50</b>	<b>0.89</b>	<b>0.67</b>
	<b>Return to Investment</b>	<b>(A-E+C4)</b>	<b>19.25</b>	<b>56.93</b>	<b>0.43</b>	<b>1.12</b>
	<b>Return to Equity</b>	<b>(A-E)</b>	<b>18.58</b>	<b>56.26</b>	<b>0.41</b>	<b>0.25</b>

**Investment**

Buildings	38.99	38.99
Machinery	171.77	171.77
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>210.76</b>	<b>210.76</b>

**Management**

Average Yield	(Bushel/acre)	44.91	50.69
Expected Market Price	(\$/Bushel)	6.22	6.22

## 2005 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** Roundup Ready Canola - All  
**Soil Zone:** Grey-Wooded - Dryland - Stubble  
**Unit:** Bushel

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
<b>(A)</b>	1. Crop Sales	283.28	447.44	5.60	5.40	
	2. Crop Insurance Receipts	0.76	0.00	0.01	0.00	
	3. Other Receipts	10.63	2.48	0.21	0.03	
	<b>Gross Receipts</b>	<b>294.67</b>	<b>449.92</b>	<b>5.83</b>	<b>5.43</b>	
<b>(B)</b>	<b>Cost Items</b>					
	1. Seed	24.94	30.00	0.49	0.36	
	2. Fertilizer	52.27	48.00	1.03	0.58	
	3. Chemical	34.06	25.00	0.67	0.30	
	4. Hail/Crop Insurance Premium	16.83	8.62	0.33	0.10	
	5. Trucking and Marketing	2.99	9.43	0.06	0.11	
	6. Fuel	13.45	8.34	0.27	0.10	
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00	
	8. Repairs - Machinery	14.19	15.27	0.28	0.18	
	9. Repairs - Buildings	1.18	3.39	0.02	0.04	
	10. Utilities and Miscellaneous	14.80	12.66	0.29	0.15	
	11. Custom Work	22.82	49.78	0.45	0.60	
	12. Operating Interest Paid	2.88	1.43	0.06	0.02	
	13. Paid Labour	7.73	23.96	0.15	0.29	
	14. Unpaid Labour	9.37	2.80	0.19	0.03	
	<b>Variable Costs</b>	<b>217.53</b>	<b>238.68</b>	<b>4.30</b>	<b>2.88</b>	
<b>(C)</b>	1. Cash/ Share Land Rent	17.01	30.00	0.34	0.36	
	2. Taxes, Water Rates, License & Ins.	6.12	1.23	0.12	0.01	
	3. Equipment and Building:	a) Depreciation	28.05	11.64	0.55	0.14
		b) Lease Payments	3.13	12.45	0.06	0.15
	4. Paid Capital Interest	13.21	2.93	0.26	0.70	
	<b>Capital Costs</b>	<b>67.51</b>	<b>58.25</b>	<b>1.34</b>	<b>1.37</b>	
<b>(D)</b>	<b>Cash Costs</b>	<b>(B+C-B14-C3a)</b>	<b>247.61</b>	<b>282.49</b>	<b>4.90</b>	<b>4.08</b>
<b>(E)</b>	<b>Total Production Costs</b>	<b>(B+C)</b>	<b>285.04</b>	<b>296.93</b>	<b>5.64</b>	<b>4.25</b>
	<b>Gross Margin</b>	<b>(A-D)</b>	<b>47.06</b>	<b>167.43</b>	<b>0.93</b>	<b>1.35</b>
	<b>Return to Unpaid Labour</b>	<b>(A-E+B14)</b>	<b>19.01</b>	<b>155.80</b>	<b>0.38</b>	<b>1.21</b>
	<b>Return to Investment</b>	<b>(A-E+C4)</b>	<b>22.84</b>	<b>155.92</b>	<b>0.45</b>	<b>1.88</b>
	<b>Return to Equity</b>	<b>(A-E)</b>	<b>9.63</b>	<b>153.00</b>	<b>0.19</b>	<b>1.18</b>

### Investment

Buildings	83.04	39.77
Machinery	257.54	108.65
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>908.23</b>	<b>148.41</b>

### Management

Average Yield	(Bushel/acre)	50.56	82.89
Expected Market Price	(\$/Bushel)	5.60	5.40

## 2005 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** Roundup Ready Canola - Own  
**Soil Zone:** Grey-Wooded - Dryland - Stubble  
**Unit:** Bushel

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
<b>(A)</b>	1. Crop Sales	237.86	--	5.75	--	
	2. Crop Insurance Receipts	1.22	--	0.03	--	
	3. Other Receipts	15.81	--	0.38	--	
	<b>Gross Receipts</b>	<b>254.89</b>	<b>0.00</b>	<b>6.16</b>	<b>0.00</b>	
<b>(B)</b>	<b>Cost Items</b>					
	1. Seed	23.36	--	0.56	--	
	2. Fertilizer	55.47	--	1.34	--	
	3. Chemical	39.27	--	0.95	--	
	4. Hail/Crop Insurance Premium	20.02	--	0.48	--	
	5. Trucking and Marketing	0.88	--	0.02	--	
	6. Fuel	15.18	--	0.37	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	12.74	--	0.31	--	
	9. Repairs - Buildings	0.42	--	0.01	--	
	10. Utilities and Miscellaneous	13.08	--	0.32	--	
	11. Custom Work	16.95	--	0.41	--	
	12. Operating Interest Paid	3.33	--	0.08	--	
	13. Paid Labour	2.46	--	0.06	--	
	14. Unpaid Labour	10.64	--	0.26	--	
<b>Variable Costs</b>	<b>213.78</b>	<b>0.00</b>	<b>5.17</b>	<b>0.00</b>		
<b>(C)</b>	1. Cash/ Share Land Rent	0.00	--	0.00	--	
	2. Taxes, Water Rates, License & Ins.	9.05	--	0.22	--	
	3. Equipment and Building:	a) Depreciation	33.81	--	0.82	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	20.43	--	0.49	--	
<b>Capital Costs</b>	<b>63.29</b>	<b>0.00</b>	<b>1.53</b>	<b>0.00</b>		
<b>(D)</b>	<b>Cash Costs</b>	<b>(B+C-B14-C3a)</b>	<b>232.63</b>	<b>--</b>	<b>5.62</b>	<b>--</b>
<b>(E)</b>	<b>Total Production Costs</b>	<b>(B+C)</b>	<b>277.08</b>	<b>--</b>	<b>6.70</b>	<b>--</b>
	<b>Gross Margin</b>	<b>(A-D)</b>	<b>22.26</b>	<b>--</b>	<b>0.54</b>	<b>--</b>
	<b>Return to Unpaid Labour</b>	<b>(A-E+B14)</b>	<b>(11.55)</b>	<b>--</b>	<b>(0.28)</b>	<b>--</b>
	<b>Return to Investment</b>	<b>(A-E+C4)</b>	<b>(1.75)</b>	<b>--</b>	<b>(0.04)</b>	<b>--</b>
	<b>Return to Equity</b>	<b>(A-E)</b>	<b>(22.19)</b>	<b>--</b>	<b>(0.54)</b>	<b>--</b>

**Investment**

Buildings	92.94	--
Machinery	313.43	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>1503.98</b>	<b>--</b>

**Management**

Average Yield	(Bushel/acre)	41.36	--
Expected Market Price	(\$/Bushel)	5.75	--

## 2005 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** Roundup Ready Canola - Rent  
**Soil Zone:** Grey-Wooded - Dryland - Stubble  
**Unit:** Bushel

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	331.94	447.44	5.49	5.40
	2. Crop Insurance Receipts	0.26	0.00	0.00	0.00
	3. Other Receipts	5.08	2.48	0.08	0.03
	<b>Gross Receipts</b>	<b>337.29</b>	<b>449.92</b>	<b>5.58</b>	<b>5.43</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	26.64	30.00	0.44	0.36
	2. Fertilizer	48.84	48.00	0.81	0.58
	3. Chemical	28.49	25.00	0.47	0.30
	4. Hail/Crop Insurance Premium	13.42	8.62	0.22	0.10
	5. Trucking and Marketing	5.25	9.43	0.09	0.11
	6. Fuel	11.59	8.34	0.19	0.10
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	15.75	15.27	0.26	0.18
	9. Repairs - Buildings	2.00	3.39	0.03	0.04
	10. Utilities and Miscellaneous	16.64	12.66	0.28	0.15
	11. Custom Work	29.11	49.78	0.48	0.60
	12. Operating Interest Paid	2.41	1.43	0.04	0.02
	13. Paid Labour	13.38	23.96	0.22	0.29
	14. Unpaid Labour	8.02	2.80	0.13	0.03
	<b>Variable Costs</b>	<b>221.54</b>	<b>238.68</b>	<b>3.67</b>	<b>2.88</b>
<b>(C)</b>	1. Cash/ Share Land Rent	35.23	30.00	0.58	0.36
	2. Taxes, Water Rates, License & Ins.	2.98	1.23	0.05	0.01
	3. Equipment and Building: a) Depreciation	21.88	11.64	0.36	0.14
	b) Lease Payments	6.47	12.45	0.11	0.15
4. Paid Capital Interest	5.46	2.93	0.09	0.70	
	<b>Capital Costs</b>	<b>72.02</b>	<b>58.25</b>	<b>1.19</b>	<b>1.37</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>263.67</b>	<b>282.49</b>	<b>4.36</b>	<b>4.08</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>293.57</b>	<b>296.93</b>	<b>4.86</b>	<b>4.25</b>
	<b>Gross Margin (A-D)</b>	<b>73.62</b>	<b>167.43</b>	<b>1.22</b>	<b>1.35</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>51.74</b>	<b>155.80</b>	<b>0.86</b>	<b>1.21</b>
	<b>Return to Investment (A-E+C4)</b>	<b>49.19</b>	<b>155.92</b>	<b>0.81</b>	<b>1.88</b>
	<b>Return to Equity (A-E)</b>	<b>43.72</b>	<b>153.00</b>	<b>0.72</b>	<b>1.18</b>

**Investment**

Buildings	72.43	39.77
Machinery	197.66	108.65
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>270.10</b>	<b>148.41</b>

**Management**

Average Yield (Bushel/acre)	60.42	82.89
Expected Market Price (\$/Bushel)	5.49	5.40

## 2005 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** *Liberty Link Canola - All*  
**Soil Zone:** *Grey-Wooded - Dryland - Stubble*  
**Unit:** *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	285.86	--	5.83	--
	2. Crop Insurance Receipts	1.81	--	0.04	--
	3. Other Receipts	22.79	--	0.46	--
	<b>Gross Receipts</b>	<b>310.46</b>	<b>0.00</b>	<b>6.33</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	33.53	--	0.68	--
	2. Fertilizer	61.72	--	1.26	--
	3. Chemical	33.99	--	0.69	--
	4. Hail/Crop Insurance Premium	24.86	--	0.51	--
	5. Trucking and Marketing	1.51	--	0.03	--
	6. Fuel	19.72	--	0.40	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	13.12	--	0.27	--
	9. Repairs - Buildings	0.21	--	0.00	--
	10. Utilities and Miscellaneous	4.89	--	0.10	--
	11. Custom Work	8.48	--	0.17	--
	12. Operating Interest Paid	3.91	--	0.08	--
	13. Paid Labour	3.18	--	0.06	--
	14. Unpaid Labour	12.67	--	0.26	--
	<b>Variable Costs</b>	<b>221.79</b>	<b>0.00</b>	<b>4.52</b>	<b>0.00</b>
<b>(C)</b>	1. Cash/ Share Land Rent	40.41	--	0.82	--
	2. Taxes, Water Rates, License & Ins.	7.44	--	0.15	--
	3. Equipment and Building: a) Depreciation	43.55	--	0.89	--
	b) Lease Payments	0.00	--	0.00	--
4. Paid Capital Interest	29.67	--	0.60	--	
	<b>Capital Costs</b>	<b>121.08</b>	<b>0.00</b>	<b>2.47</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>286.64</b>	--	<b>5.84</b>	--
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>342.86</b>	--	<b>6.99</b>	--
	<b>Gross Margin (A-D)</b>	<b>23.82</b>	--	<b>0.49</b>	--
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>(19.73)</b>	--	<b>(0.40)</b>	--
	<b>Return to Investment (A-E+C4)</b>	<b>(2.73)</b>	--	<b>(0.06)</b>	--
	<b>Return to Equity (A-E)</b>	<b>(32.40)</b>	--	<b>(0.66)</b>	--

**Investment**

Buildings	100.35	--
Machinery	424.65	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>660.06</b>	--

**Management**

Average Yield (Bushel/acre)	49.07	--
Expected Market Price (\$/Bushel)	5.83	--

## 2005 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** *Alfalfa Hay - All*  
**Soil Zone:** *Grey-Wooded - Dryland - Stubble*  
**Unit:** *Tonne*

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	40.00	--	40.83	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	1.01	--	1.03	--
	<b>Gross Receipts</b>	<b>41.01</b>	<b>0.00</b>	<b>41.85</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	0.00	--	0.00	--
	2. Fertilizer	0.00	--	0.00	--
	3. Chemical	0.00	--	0.00	--
	4. Hail/Crop Insurance Premium	0.00	--	0.00	--
	5. Trucking and Marketing	0.00	--	0.00	--
	6. Fuel	5.35	--	5.46	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	11.63	--	11.87	--
	9. Repairs - Buildings	2.06	--	2.10	--
	10. Utilities and Miscellaneous	4.24	--	4.33	--
	11. Custom Work	0.00	--	0.00	--
	12. Operating Interest Paid	0.82	--	0.84	--
	13. Paid Labour	9.73	--	9.93	--
14. Unpaid Labour	1.14	--	1.16	--	
	<b>Variable Costs</b>	<b>34.97</b>	<b>0.00</b>	<b>35.69</b>	<b>0.00</b>
<b>(C)</b>	1. Cash/ Share Land Rent	27.36	--	27.92	--
	2. Taxes, Water Rates, License & Ins.	0.75	--	0.77	--
	3. Equipment and Building: a) Depreciation	6.23	--	6.36	--
	b) Lease Payments	16.51	--	16.85	--
4. Paid Capital Interest	1.34	--	1.37	--	
	<b>Capital Costs</b>	<b>52.19</b>	<b>0.00</b>	<b>53.26</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>79.78</b>	--	<b>81.43</b>	--
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>87.15</b>	--	<b>88.95</b>	--
	<b>Gross Margin (A-D)</b>	<b>(38.78)</b>	--	<b>(39.58)</b>	--
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>(45.01)</b>	--	<b>(45.94)</b>	--
	<b>Return to Investment (A-E+C4)</b>	<b>(44.81)</b>	--	<b>(45.73)</b>	--
	<b>Return to Equity (A-E)</b>	<b>(46.15)</b>	--	<b>(47.10)</b>	--

**Investment**

Buildings	9.12	--
Machinery	97.31	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>106.43</b>	--

**Management**

Average Yield (Tonne/acre)	0.98	--
Expected Market Price (\$/Tonne)	40.83	--

## 2005 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** *Alfalfa Hay - Rent*  
**Soil Zone:** *Grey-Wooded - Dryland - Stubble*  
**Unit:** *Tonne*

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	40.00	--	40.83	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	1.01	--	1.03	--
	<b>Gross Receipts</b>	<b>41.01</b>	<b>0.00</b>	<b>41.85</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	0.00	--	0.00	--
	2. Fertilizer	0.00	--	0.00	--
	3. Chemical	0.00	--	0.00	--
	4. Hail/Crop Insurance Premium	0.00	--	0.00	--
	5. Trucking and Marketing	0.00	--	0.00	--
	6. Fuel	5.35	--	5.46	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	11.63	--	11.87	--
	9. Repairs - Buildings	2.06	--	2.10	--
	10. Utilities and Miscellaneous	4.24	--	4.33	--
	11. Custom Work	0.00	--	0.00	--
	12. Operating Interest Paid	0.82	--	0.84	--
	13. Paid Labour	9.73	--	9.93	--
14. Unpaid Labour	1.14	--	1.16	--	
	<b>Variable Costs</b>	<b>34.97</b>	<b>0.00</b>	<b>35.69</b>	<b>0.00</b>
<b>(C)</b>	1. Cash/ Share Land Rent	27.36	--	27.92	--
	2. Taxes, Water Rates, License & Ins.	0.75	--	0.77	--
	3. Equipment and Building: a) Depreciation	6.23	--	6.36	--
	b) Lease Payments	16.51	--	16.85	--
4. Paid Capital Interest	1.34	--	1.37	--	
	<b>Capital Costs</b>	<b>52.19</b>	<b>0.00</b>	<b>53.26</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>79.78</b>	--	<b>81.43</b>	--
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>87.15</b>	--	<b>88.95</b>	--
	<b>Gross Margin (A-D)</b>	<b>(38.78)</b>	--	<b>(39.58)</b>	--
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>(45.01)</b>	--	<b>(45.94)</b>	--
	<b>Return to Investment (A-E+C4)</b>	<b>(44.81)</b>	--	<b>(45.73)</b>	--
	<b>Return to Equity (A-E)</b>	<b>(46.15)</b>	--	<b>(47.10)</b>	--

**Investment**

Buildings	9.12	--
Machinery	97.31	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>106.43</b>	--

**Management**

Average Yield (Tonne/acre)	0.98	--
Expected Market Price (\$/Tonne)	40.83	--



## 2005 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** *Mixed Hay - All*  
**Soil Zone:** *Grey-Wooded - Dryland - Stubble*  
**Unit:** *Tonne*

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	89.66	--	45.31	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	3.33	--	1.68	--
	<b>Gross Receipts</b>	<b>92.99</b>	<b>0.00</b>	<b>47.00</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	0.00	--	0.00	--
	2. Fertilizer	7.99	--	4.04	--
	3. Chemical	0.00	--	0.00	--
	4. Hail/Crop Insurance Premium	4.51	--	2.28	--
	5. Trucking and Marketing	0.00	--	0.00	--
	6. Fuel	5.57	--	2.82	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	8.60	--	4.34	--
	9. Repairs - Buildings	1.06	--	0.54	--
	10. Utilities and Miscellaneous	2.75	--	1.39	--
	11. Custom Work	2.76	--	1.40	--
	12. Operating Interest Paid	0.00	--	0.00	--
	13. Paid Labour	0.00	--	0.00	--
14. Unpaid Labour	14.96	--	7.56	--	
	<b>Variable Costs</b>	<b>48.21</b>	<b>0.00</b>	<b>24.36</b>	<b>0.00</b>
<b>(C)</b>	1. Cash/ Share Land Rent	5.19	--	2.63	--
	2. Taxes, Water Rates, License & Ins.	1.83	--	0.93	--
	3. Equipment and Building: a) Depreciation	22.79	--	11.52	--
	b) Lease Payments	0.00	--	0.00	--
4. Paid Capital Interest	2.60	--	1.31	--	
	<b>Capital Costs</b>	<b>32.41</b>	<b>0.00</b>	<b>16.38</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs</b>	<b>42.88</b>	--	<b>21.67</b>	--
<b>(E)</b>	<b>Total Production Costs</b>	<b>80.62</b>	--	<b>40.75</b>	--
	<b>Gross Margin</b>	<b>50.11</b>	--	<b>25.33</b>	--
	<b>Return to Unpaid Labour</b>	<b>27.33</b>	--	<b>13.81</b>	--
	<b>Return to Investment</b>	<b>14.96</b>	--	<b>7.56</b>	--
	<b>Return to Equity</b>	<b>12.36</b>	--	<b>6.25</b>	--

**Investment**

Buildings	17.07	--
Machinery	215.36	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>972.21</b>	--

**Management**

Average Yield	(Tonne/acre)	1.98	--
Expected Market Price	(\$/Tonne)	45.31	--

## 2005 Crop Enterprise Analysis

*AgriProfit*®

**Crop:** Grain Silage - All  
**Soil Zone:** Grey-Wooded - Dryland - Stubble  
**Unit:** Tonne

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	92.83	--	28.26	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	0.91	--	0.28	--
	<b>Gross Receipts</b>	<b>93.74</b>	<b>0.00</b>	<b>28.53</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	8.84	--	2.69	--
	2. Fertilizer	31.38	--	9.55	--
	3. Chemical	2.82	--	0.86	--
	4. Hail/Crop Insurance Premium	7.80	--	2.37	--
	5. Trucking and Marketing	0.00	--	0.00	--
	6. Fuel	17.69	--	5.39	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	11.34	--	3.45	--
	9. Repairs - Buildings	1.87	--	0.57	--
	10. Utilities and Miscellaneous	5.97	--	1.82	--
	11. Custom Work	23.37	--	7.11	--
	12. Operating Interest Paid	0.75	--	0.23	--
	13. Paid Labour	8.82	--	2.68	--
	14. Unpaid Labour	3.35	--	1.02	--
	<b>Variable Costs</b>	<b>124.01</b>	<b>0.00</b>	<b>37.75</b>	<b>0.00</b>
<b>(C)</b>	1. Cash/ Share Land Rent	30.66	--	9.33	--
	2. Taxes, Water Rates, License & Ins.	0.76	--	0.23	--
	3. Equipment and Building: a) Depreciation	7.52	--	2.29	--
	b) Lease Payments	14.93	--	4.55	--
4. Paid Capital Interest	1.93	--	0.59	--	
	<b>Capital Costs</b>	<b>55.80</b>	<b>0.00</b>	<b>16.99</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>168.93</b>	--	<b>51.42</b>	--
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>179.81</b>	--	<b>54.73</b>	--
	<b>Gross Margin (A-D)</b>	<b>(75.19)</b>	--	<b>(22.89)</b>	--
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>(82.71)</b>	--	<b>(25.18)</b>	--
	<b>Return to Investment (A-E+C4)</b>	<b>(84.14)</b>	--	<b>(25.61)</b>	--
	<b>Return to Equity (A-E)</b>	<b>(86.07)</b>	--	<b>(26.20)</b>	--

### Investment

Buildings	10.53	--
Machinery	103.91	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>134.61</b>	--

### Management

Average Yield (Tonne/acre)	3.29	--
Expected Market Price (\$/Tonne)	28.26	--

## 2005 Crop Enterprise Analysis

*AgriProfit*®

**Crop:** Grain Silage - Rent  
**Soil Zone:** Grey-Wooded - Dryland - Stubble  
**Unit:** Tonne

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	92.06	--	28.15	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	0.93	--	0.28	--
	<b>Gross Receipts</b>	<b>92.99</b>	<b>0.00</b>	<b>28.43</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	8.84	--	2.70	--
	2. Fertilizer	31.68	--	9.69	--
	3. Chemical	2.87	--	0.88	--
	4. Hail/Crop Insurance Premium	7.94	--	2.43	--
	5. Trucking and Marketing	0.00	--	0.00	--
	6. Fuel	17.59	--	5.38	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	11.23	--	3.43	--
	9. Repairs - Buildings	1.90	--	0.58	--
	10. Utilities and Miscellaneous	5.72	--	1.75	--
	11. Custom Work	23.77	--	7.27	--
	12. Operating Interest Paid	0.76	--	0.23	--
	13. Paid Labour	8.95	--	2.74	--
	14. Unpaid Labour	3.21	--	0.98	--
	<b>Variable Costs</b>	<b>124.46</b>	<b>0.00</b>	<b>38.06</b>	<b>0.00</b>
<b>(C)</b>	1. Cash/ Share Land Rent	31.19	--	9.54	--
	2. Taxes, Water Rates, License & Ins.	0.72	--	0.22	--
	3. Equipment and Building: a) Depreciation	7.24	--	2.21	--
	b) Lease Payments	15.20	--	4.65	--
4. Paid Capital Interest	1.95	--	0.60	--	
	<b>Capital Costs</b>	<b>56.30</b>	<b>0.00</b>	<b>17.21</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>170.31</b>	--	<b>52.08</b>	--
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>180.76</b>	--	<b>55.27</b>	--
	<b>Gross Margin (A-D)</b>	<b>(77.32)</b>	--	<b>(23.64)</b>	--
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>(84.56)</b>	--	<b>(25.85)</b>	--
	<b>Return to Investment (A-E+C4)</b>	<b>(85.81)</b>	--	<b>(26.24)</b>	--
	<b>Return to Equity (A-E)</b>	<b>(87.76)</b>	--	<b>(26.84)</b>	--

### Investment

Buildings	10.55	--
Machinery	101.99	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>112.53</b>	--

### Management

Average Yield	(Tonne/acre)	3.27	--
Expected Market Price	(\$/Tonne)	28.15	--

## 2005 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** Haylage - All  
**Soil Zone:** Grey-Wooded - Dryland - Stubble  
**Unit:** Tonne

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	161.12	--	27.56	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	1.01	--	0.17	--
	<b>Gross Receipts</b>	<b>162.13</b>	<b>0.00</b>	<b>27.73</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	0.00	--	0.00	--
	2. Fertilizer	5.66	--	0.97	--
	3. Chemical	0.00	--	0.00	--
	4. Hail/Crop Insurance Premium	0.00	--	0.00	--
	5. Trucking and Marketing	0.00	--	0.00	--
	6. Fuel	12.49	--	2.14	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	11.63	--	1.99	--
	9. Repairs - Buildings	2.06	--	0.35	--
	10. Utilities and Miscellaneous	8.54	--	1.46	--
	11. Custom Work	18.57	--	3.18	--
	12. Operating Interest Paid	0.82	--	0.14	--
	13. Paid Labour	9.73	--	1.66	--
	14. Unpaid Labour	1.14	--	0.19	--
	<b>Variable Costs</b>	<b>70.63</b>	<b>0.00</b>	<b>12.08</b>	<b>0.00</b>
<b>(C)</b>	1. Cash/ Share Land Rent	13.26	--	2.27	--
	2. Taxes, Water Rates, License & Ins.	1.52	--	0.26	--
	3. Equipment and Building: a) Depreciation	6.23	--	1.07	--
	b) Lease Payments	16.51	--	2.82	--
4. Paid Capital Interest	3.80	--	0.65	--	
	<b>Capital Costs</b>	<b>41.32</b>	<b>0.00</b>	<b>7.07</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>104.58</b>	--	<b>17.89</b>	--
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>111.95</b>	--	<b>19.15</b>	--
	<b>Gross Margin (A-D)</b>	<b>57.55</b>	--	<b>9.84</b>	--
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>51.31</b>	--	<b>8.78</b>	--
	<b>Return to Investment (A-E+C4)</b>	<b>53.97</b>	--	<b>9.23</b>	--
	<b>Return to Equity (A-E)</b>	<b>50.18</b>	--	<b>8.58</b>	--

**Investment**

Buildings	9.12	--
Machinery	97.31	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>580.74</b>	--

**Management**

Average Yield (Tonne/acre)	5.85	--
Expected Market Price (\$/Tonne)	27.56	--

## 2005 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** Haylage - Own  
**Soil Zone:** Grey-Wooded - Dryland - Stubble  
**Unit:** Tonne

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	190.83	--	27.56	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	1.01	--	0.15	--
	<b>Gross Receipts</b>	<b>191.84</b>	<b>0.00</b>	<b>27.70</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	0.00	--	0.00	--
	2. Fertilizer	0.00	--	0.00	--
	3. Chemical	0.00	--	0.00	--
	4. Hail/Crop Insurance Premium	0.00	--	0.00	--
	5. Trucking and Marketing	0.00	--	0.00	--
	6. Fuel	12.49	--	1.80	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	11.63	--	1.68	--
	9. Repairs - Buildings	2.06	--	0.30	--
	10. Utilities and Miscellaneous	9.62	--	1.39	--
	11. Custom Work	18.57	--	2.68	--
	12. Operating Interest Paid	0.82	--	0.12	--
	13. Paid Labour	9.73	--	1.40	--
14. Unpaid Labour	1.14	--	0.16	--	
	<b>Variable Costs</b>	<b>66.06</b>	<b>0.00</b>	<b>9.54</b>	<b>0.00</b>
<b>(C)</b>	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	2.13	--	0.31	--
	3. Equipment and Building: a) Depreciation	6.23	--	0.90	--
	b) Lease Payments	16.51	--	2.38	--
4. Paid Capital Interest	5.75	--	0.83	--	
	<b>Capital Costs</b>	<b>30.62</b>	<b>0.00</b>	<b>4.42</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>89.31</b>	--	<b>12.90</b>	--
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>96.68</b>	--	<b>13.96</b>	--
	<b>Gross Margin (A-D)</b>	<b>102.53</b>	--	<b>14.81</b>	--
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>96.30</b>	--	<b>13.91</b>	--
	<b>Return to Investment (A-E+C4)</b>	<b>100.91</b>	--	<b>14.57</b>	--
	<b>Return to Equity (A-E)</b>	<b>95.16</b>	--	<b>13.74</b>	--

**Investment**

Buildings	9.12	--
Machinery	97.31	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>956.43</b>	--

**Management**

Average Yield (Tonne/acre)	6.92	--
Expected Market Price (\$/Tonne)	27.56	--

## FREQUENCY AND CUMULATIVE FREQUENCY DISTRIBUTION

Distribution charts organize data into pictures, which is a format that the human processing system (the brain) can better understand. 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. 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 first pair of charts provides the distribution of the spring wheat yield range in the Grey-Wooded Soil Zone. From these charts a lot can be interpreted about yield performance:

- The low is less than 35 bushels per acre and the high is less than 70 bushels per acre, and
- 90% of the spring wheat fields in the grey-wooded soil zone yield between 30 and 50 bushels per acre

This detailed information provides a better understanding of yield variability. The average yield is 49 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, relating 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 \$5 per bushel, then 80% of the fields are covering their cash costs and 60% 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.

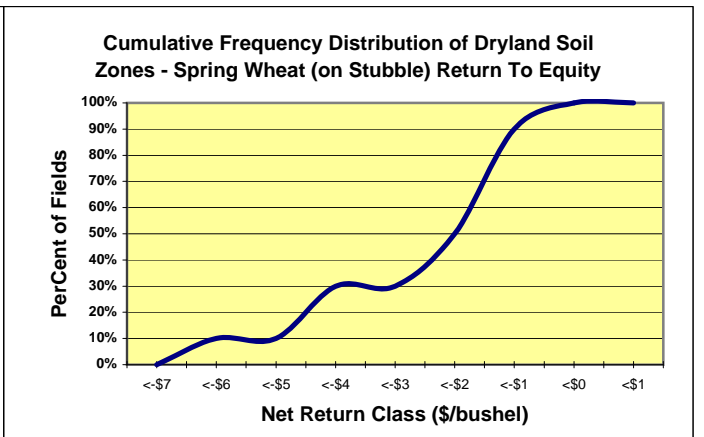
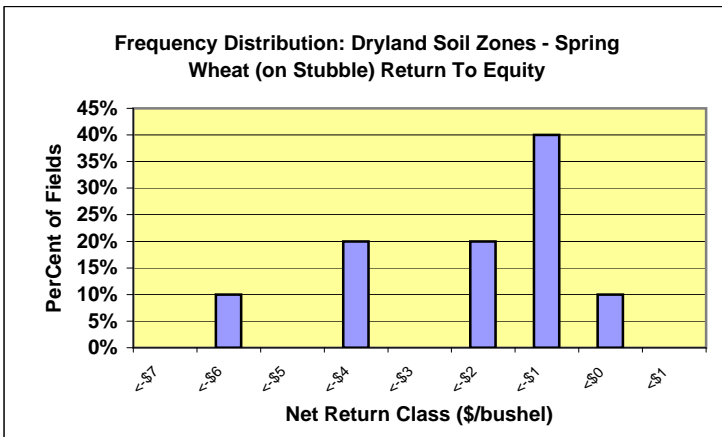
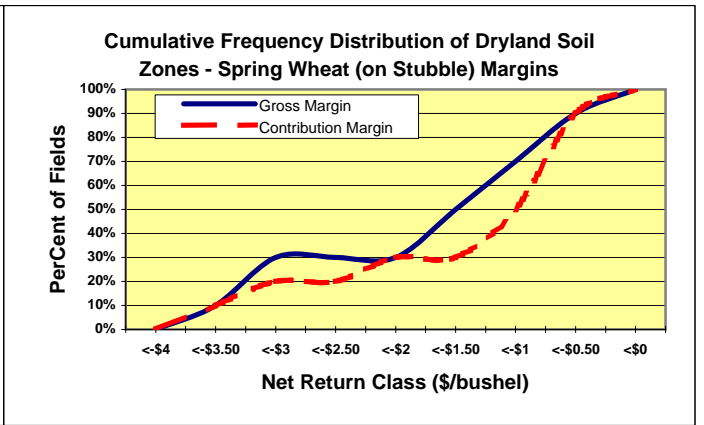
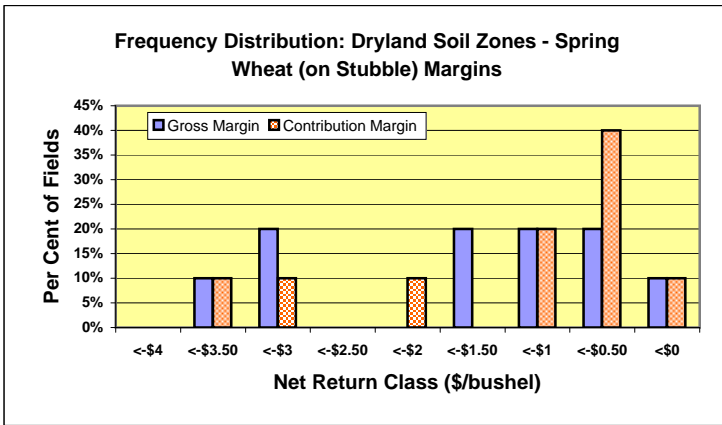
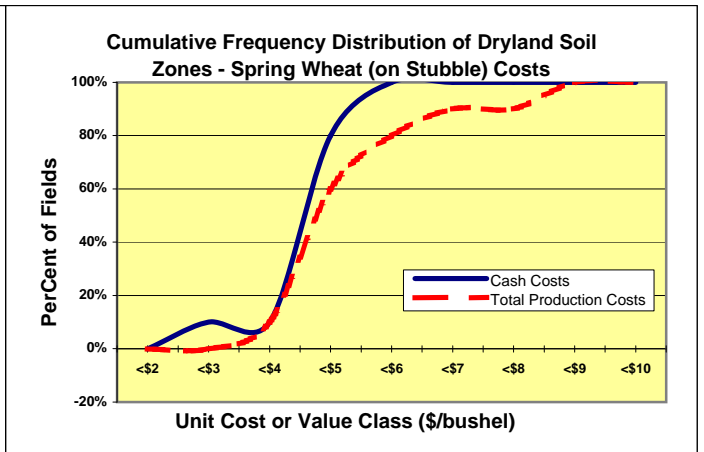
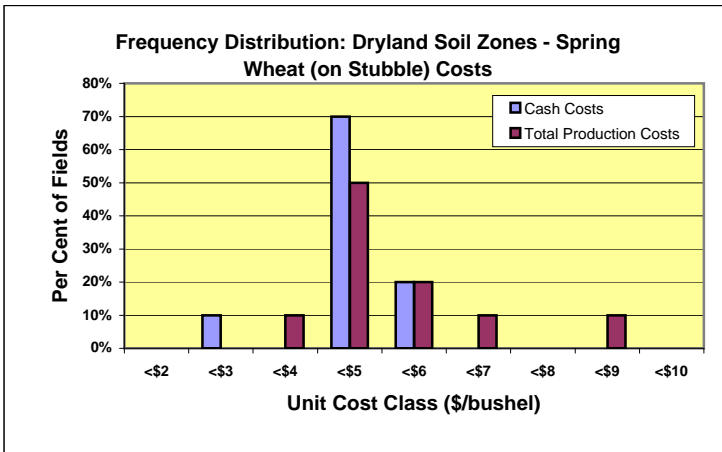
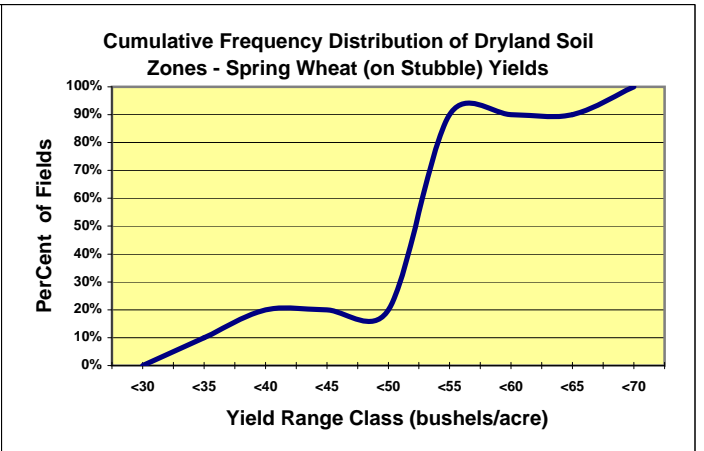
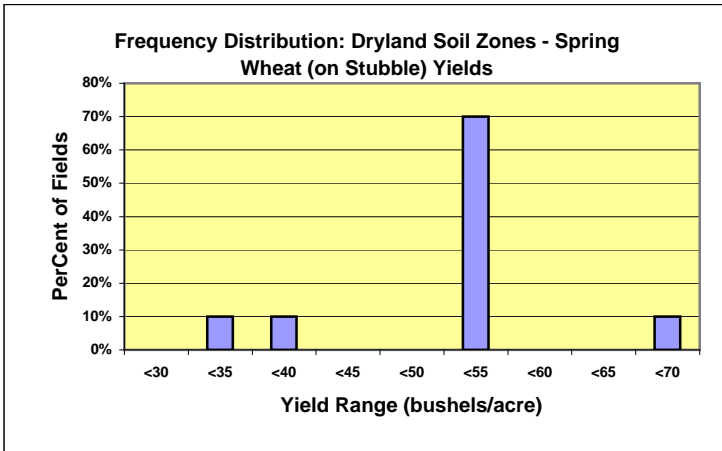
The third set of graphs highlights contribution and gross margins. Contribution margin is the return over variable costs, which are a combination of variable cash and non-cash (unpaid labour) costs. It is the best single indicator of profitability at the individual field level and it is used to compare 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 all of the fields had a loss and none 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.

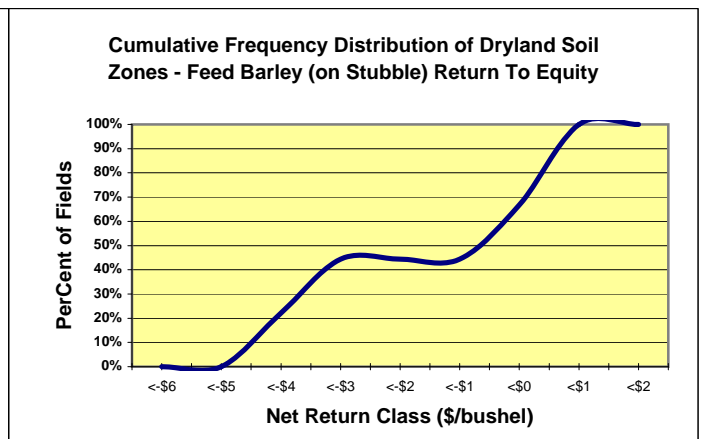
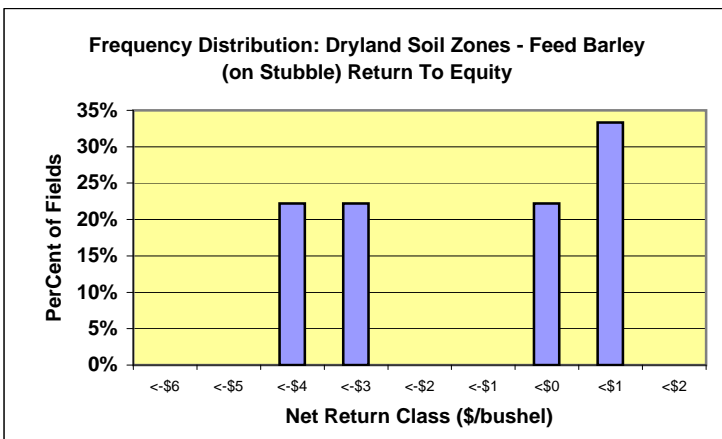
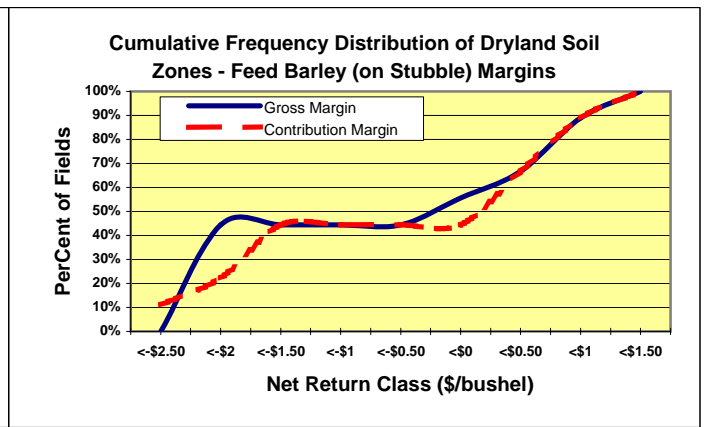
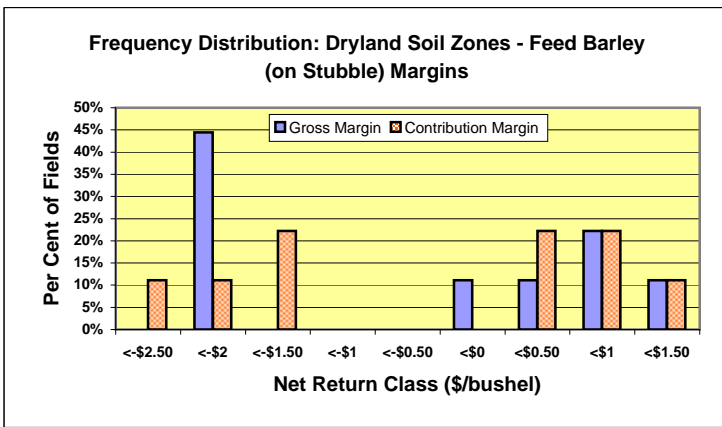
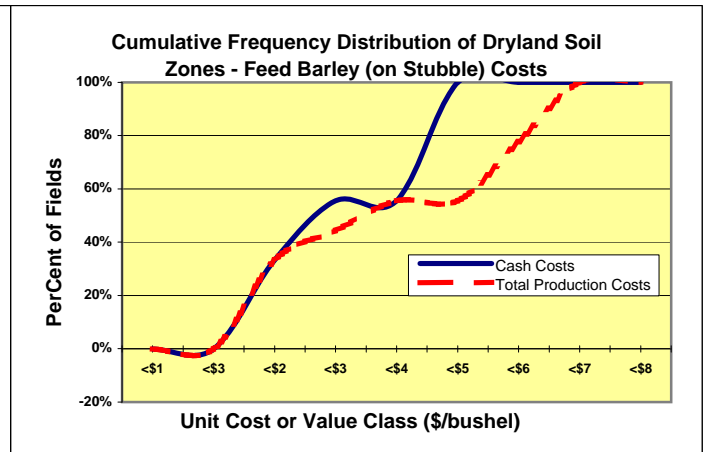
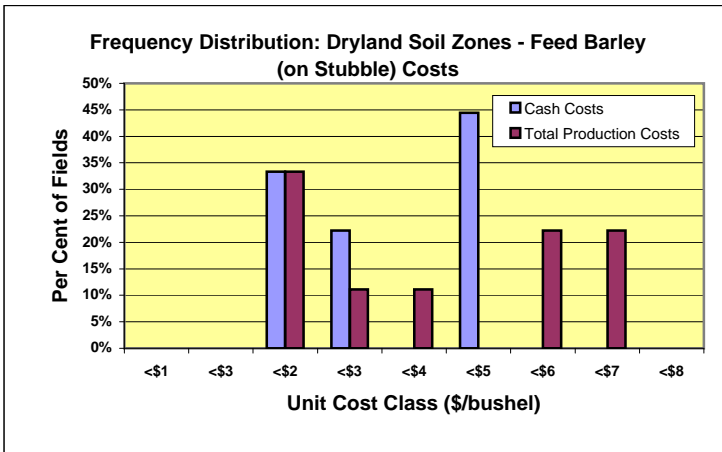
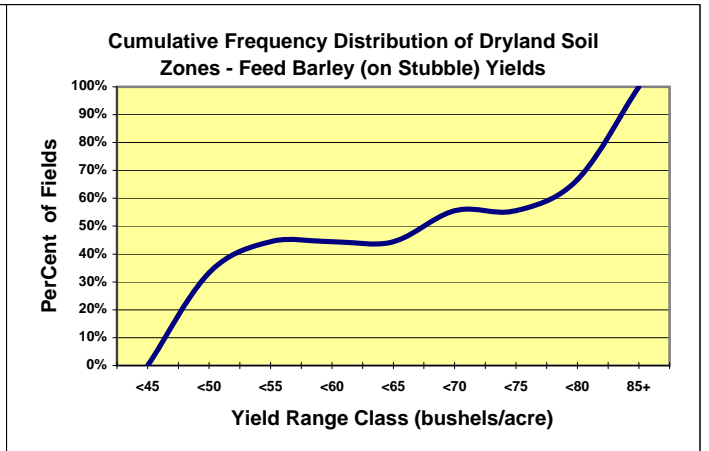
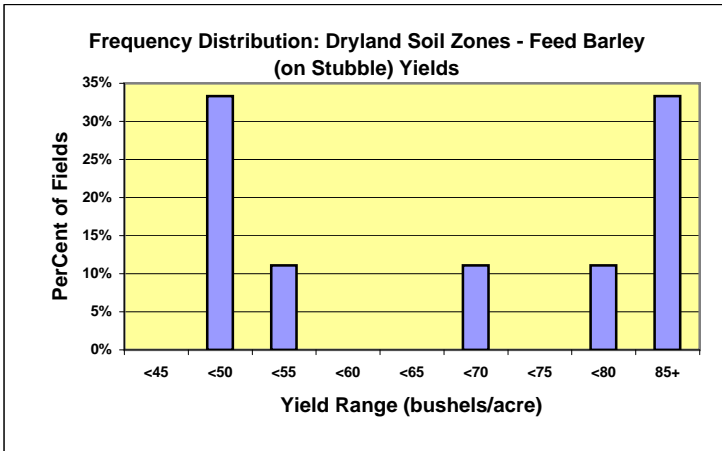
Understanding these concepts in *AgriProfit\$* and evaluating historical performance on a per bushel basis can be very useful for other Alberta Agriculture and Food (AF) applications. For example, [CropChoice\\$](#) is a tool that combines traditional crop planning with the ability to measure the riskiness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

# Dryland Soil Zones - Spring Wheat (on Stubble): 2005

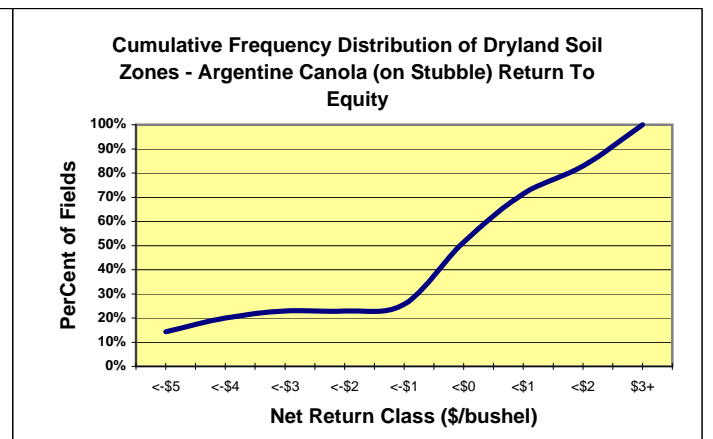
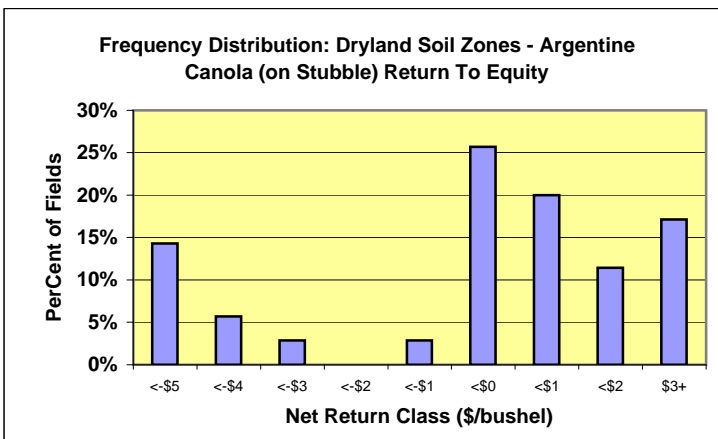
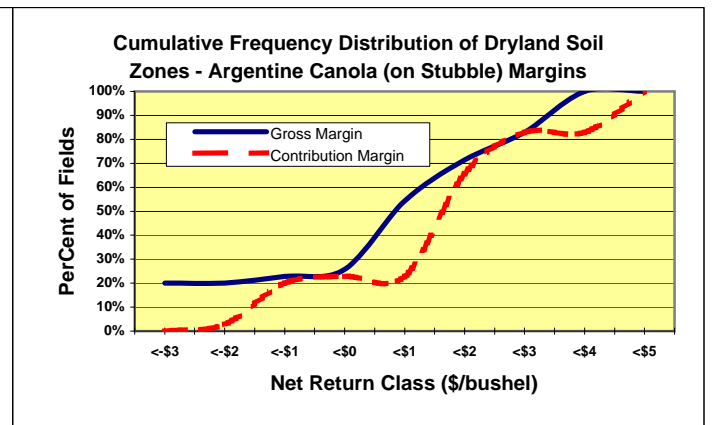
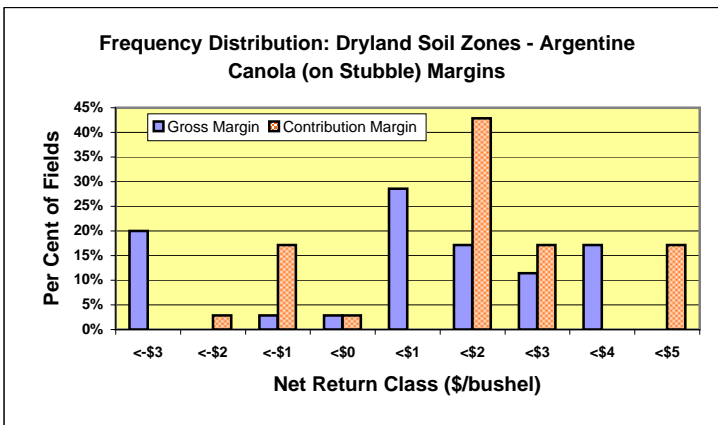
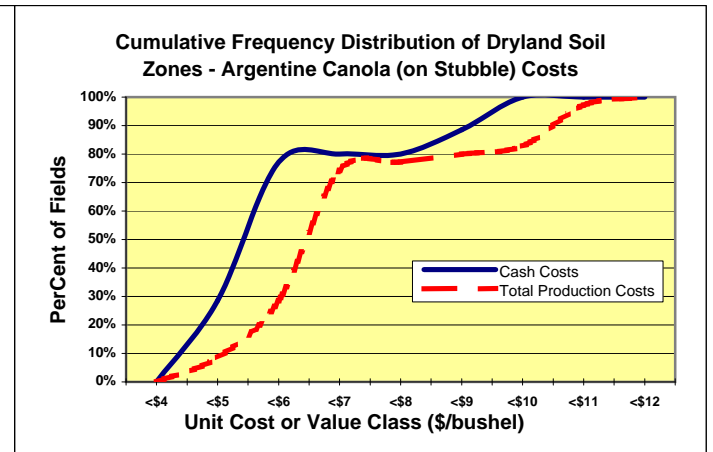
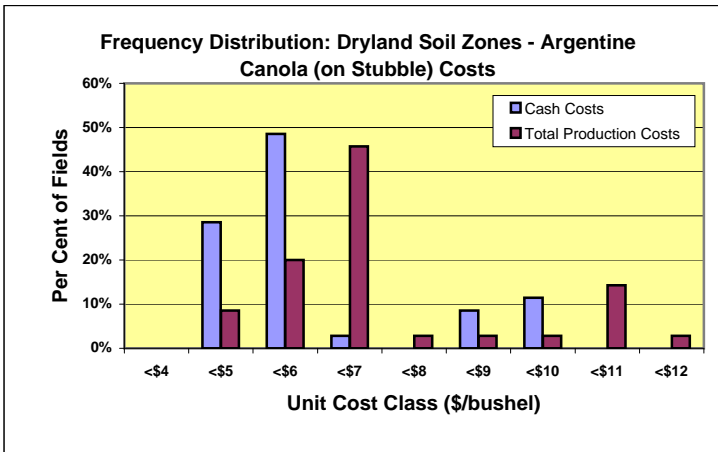
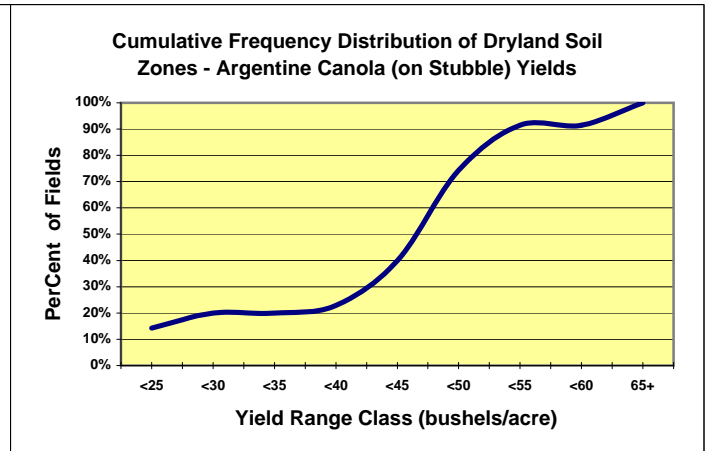
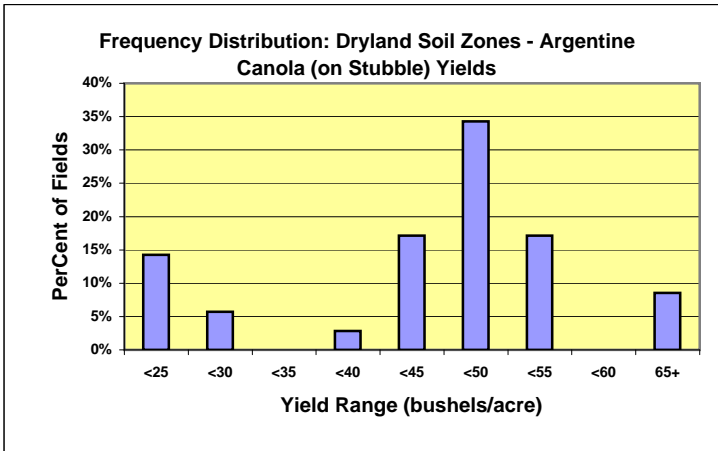




# Dryland Soil Zones - Feed Barley (on Stubble): 2005



# Dryland Soil Zones - Argentine Canola (on Stubble): 2005



**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