

*AgriProfit\$*

**Cost and Return Profiles for  
Selected Crops, 2002  
*Grey-Wooded Soil Zone***

December, 2005

**Alberta**  
AGRICULTURE, FOOD AND  
RURAL DEVELOPMENT



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## OVERVIEW

### 2002 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 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 area of 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 2002 survey season.

For questions regarding this document please contact:

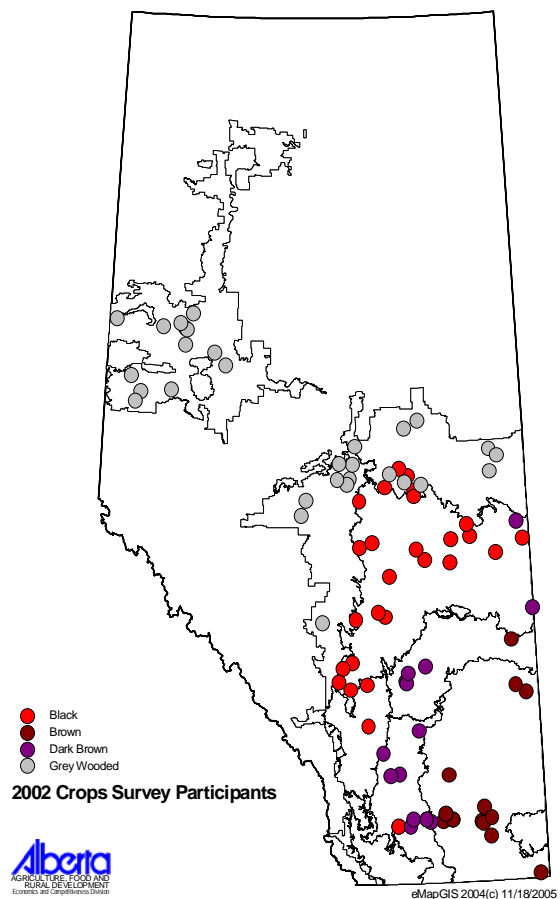
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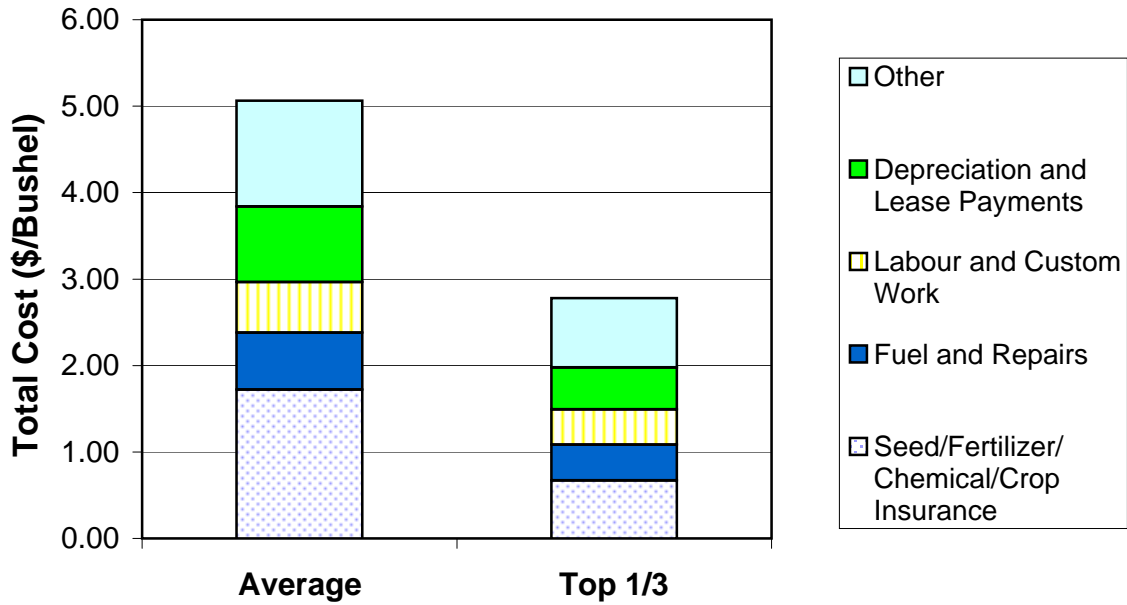
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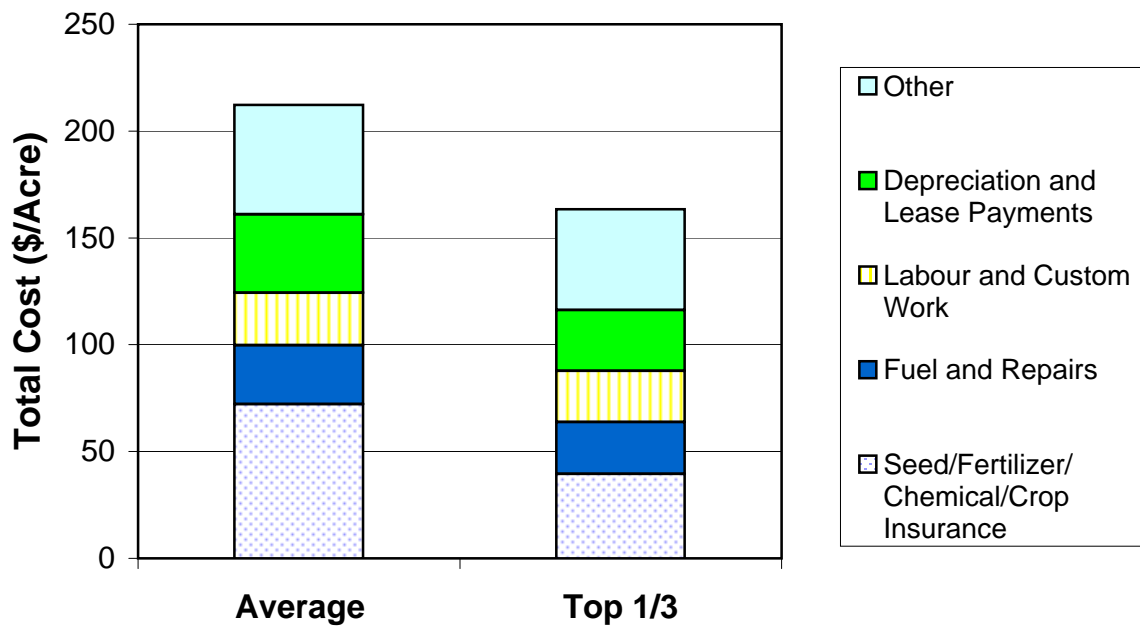
## 2002 Feed Barley on Grey Wooded

Total Cost (\$/Bushel)



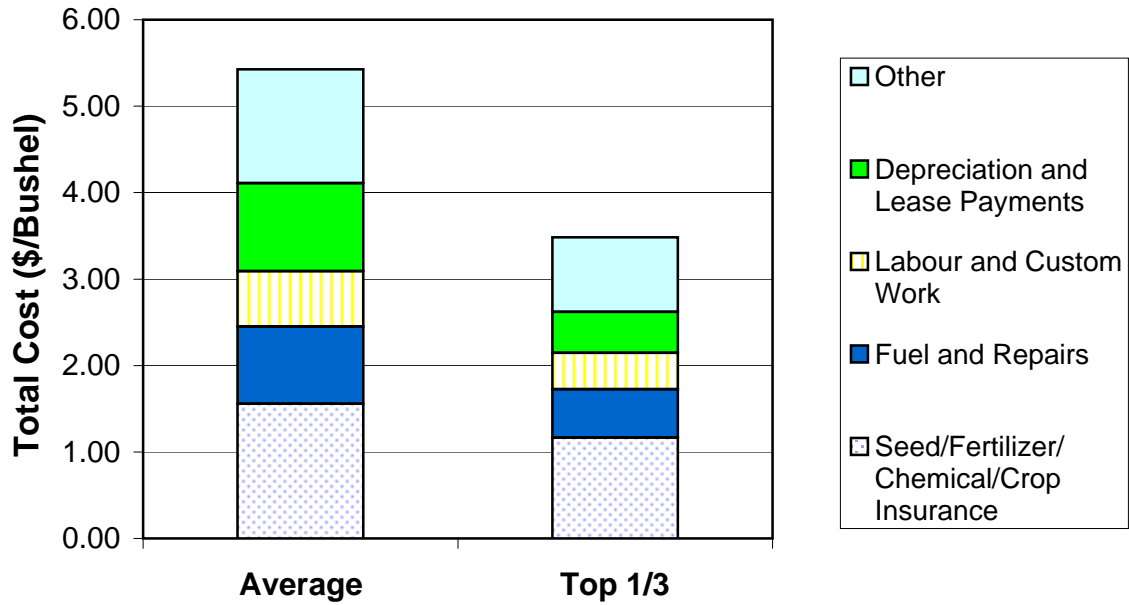
## 2002 Feed Barley on Grey Wooded

Total Cost (\$/Acre)



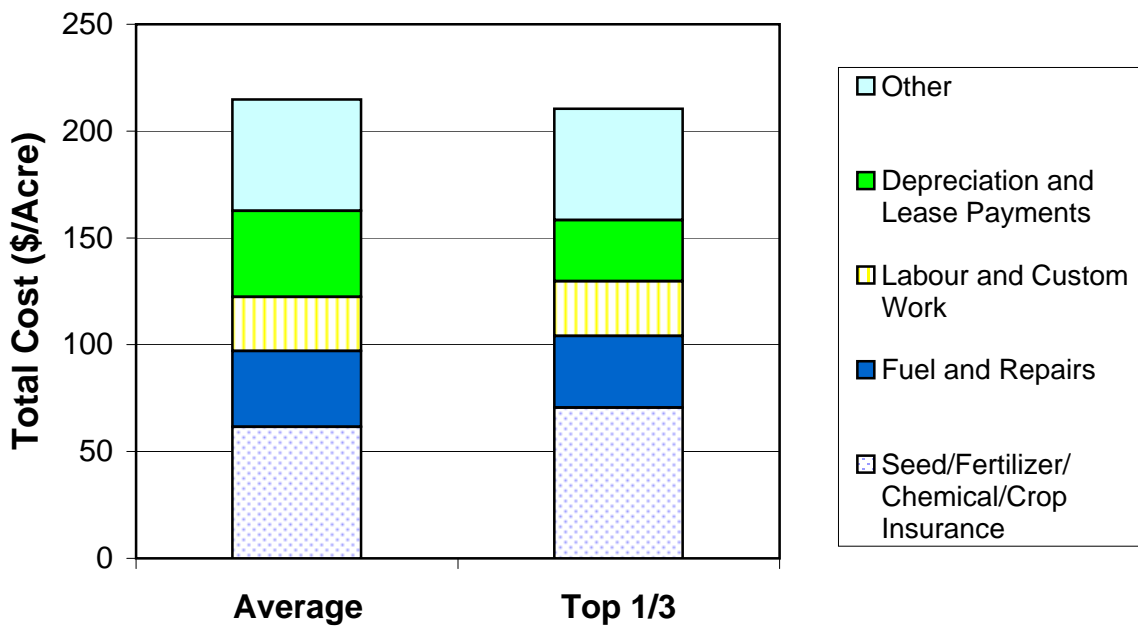
## 2022 Oats on Grey Wooded

Total Cost (\$/Bushel)



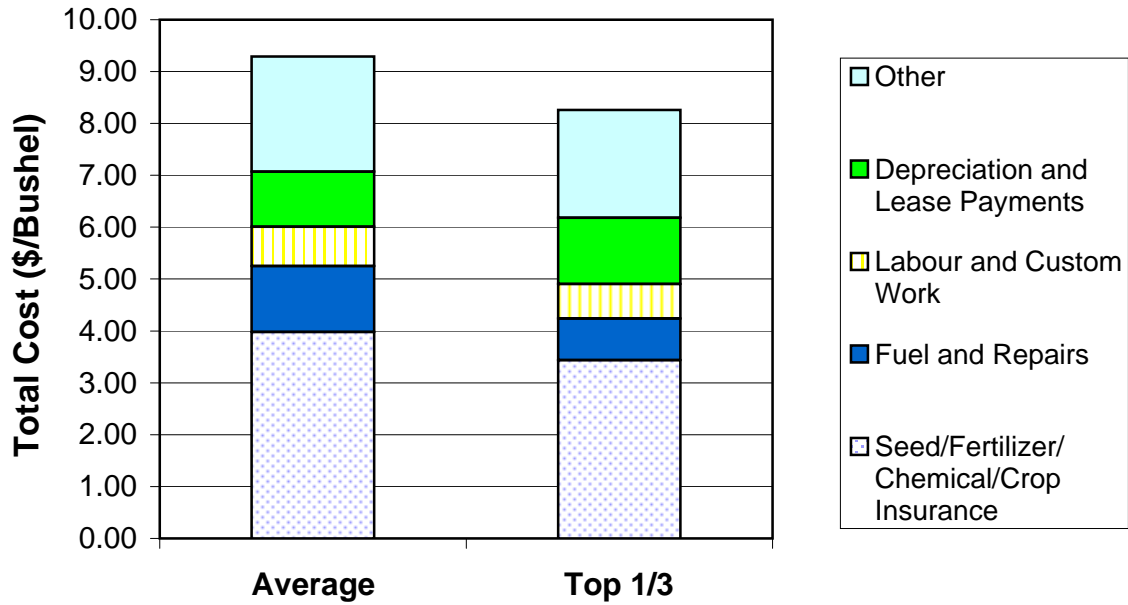
## 2022 Oats on Grey Wooded

Total Cost (\$/Acre)



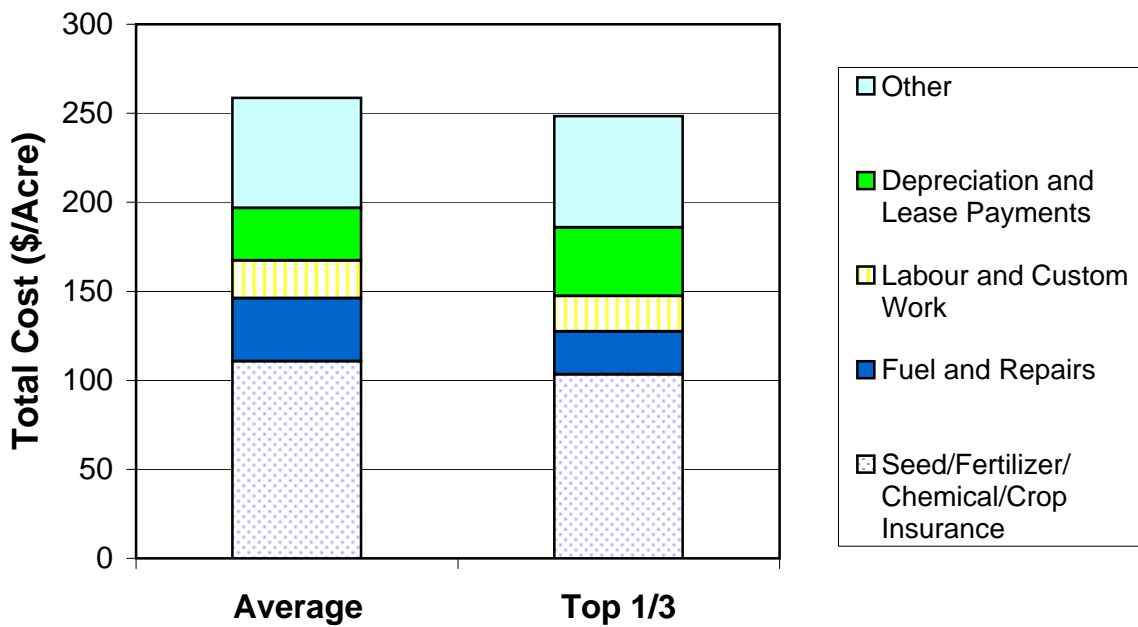
## 2002 RR Canola on Grey Wooded

Total Cost (\$/Bushel)



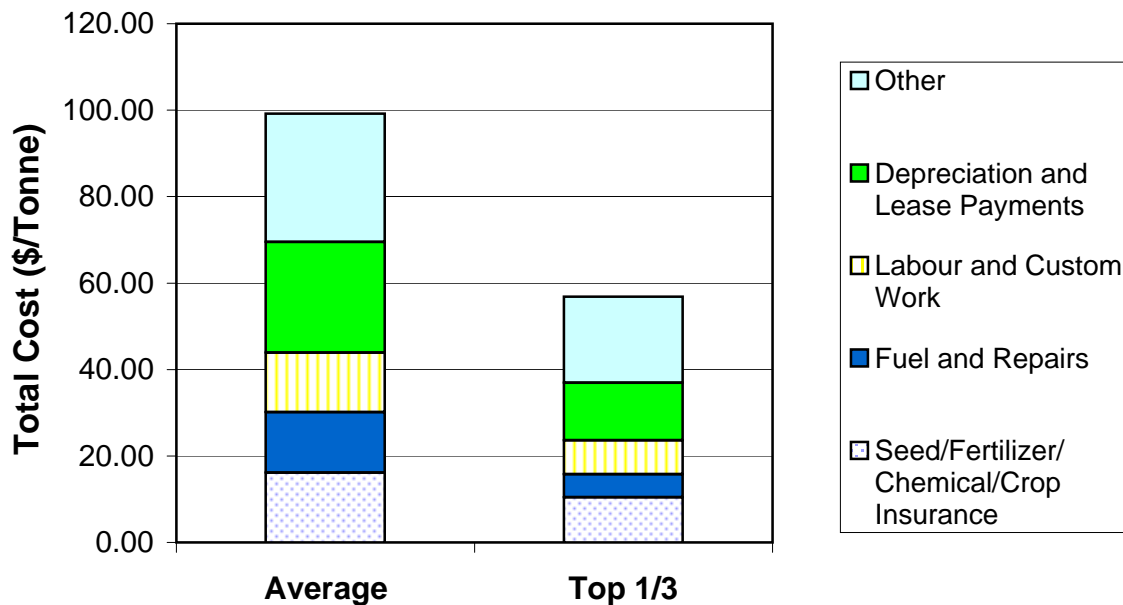
## 2002 RR Canola on Grey Wooded

Total Cost (\$/Acre)



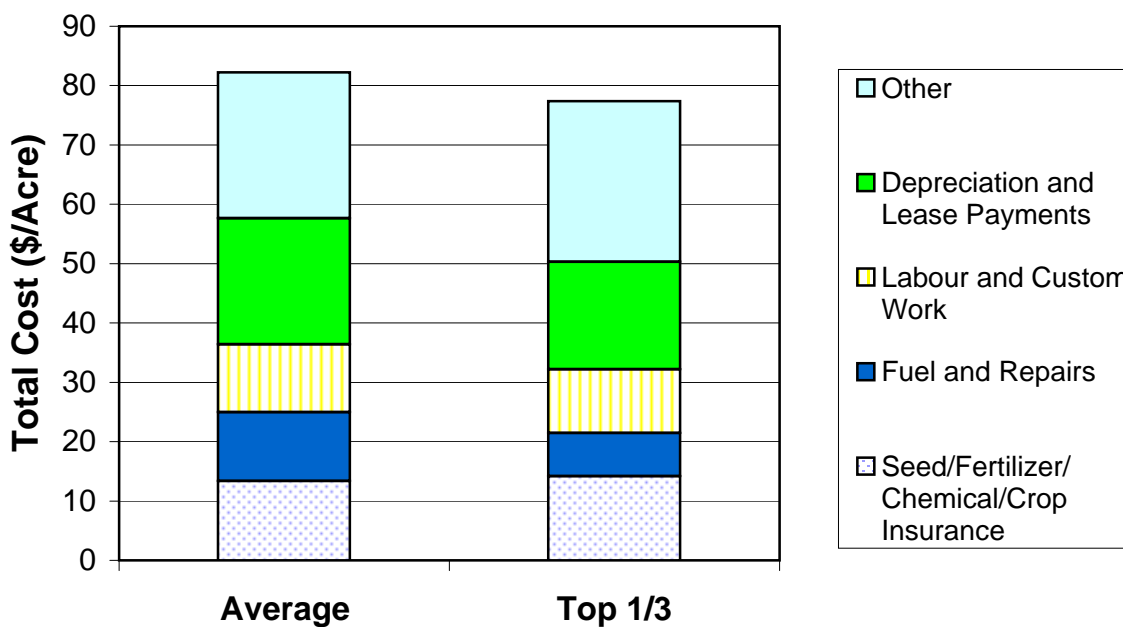
## 2002 Alfalfa/Grass Hay on Grey

Total Cost (\$/Bushel)



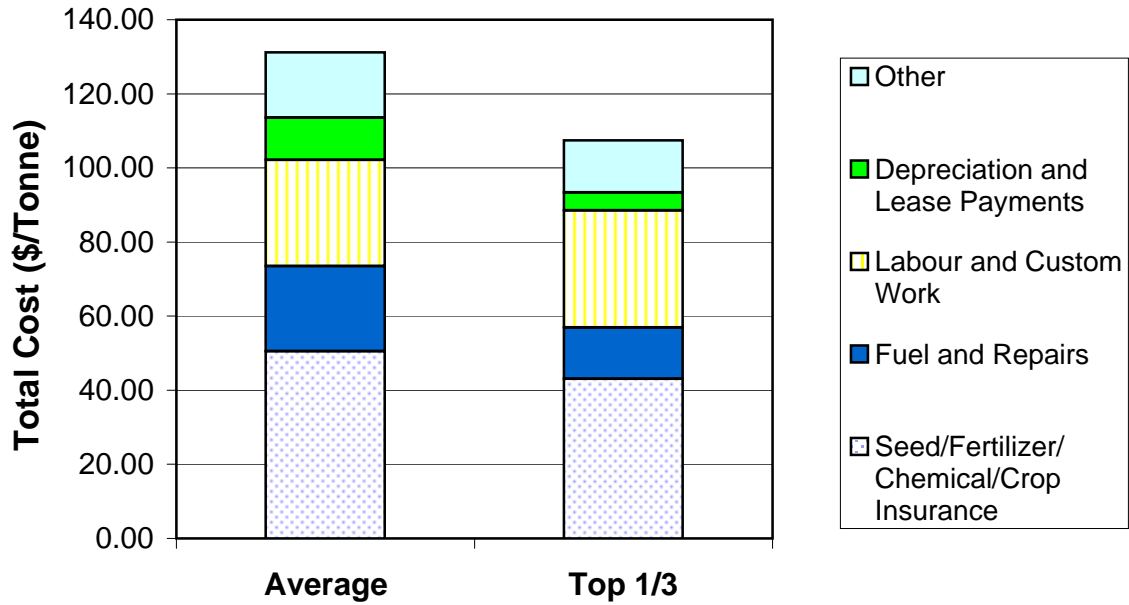
## 2002 Alfalfa/Grass Hay on Grey

Total Cost (\$/Acre)



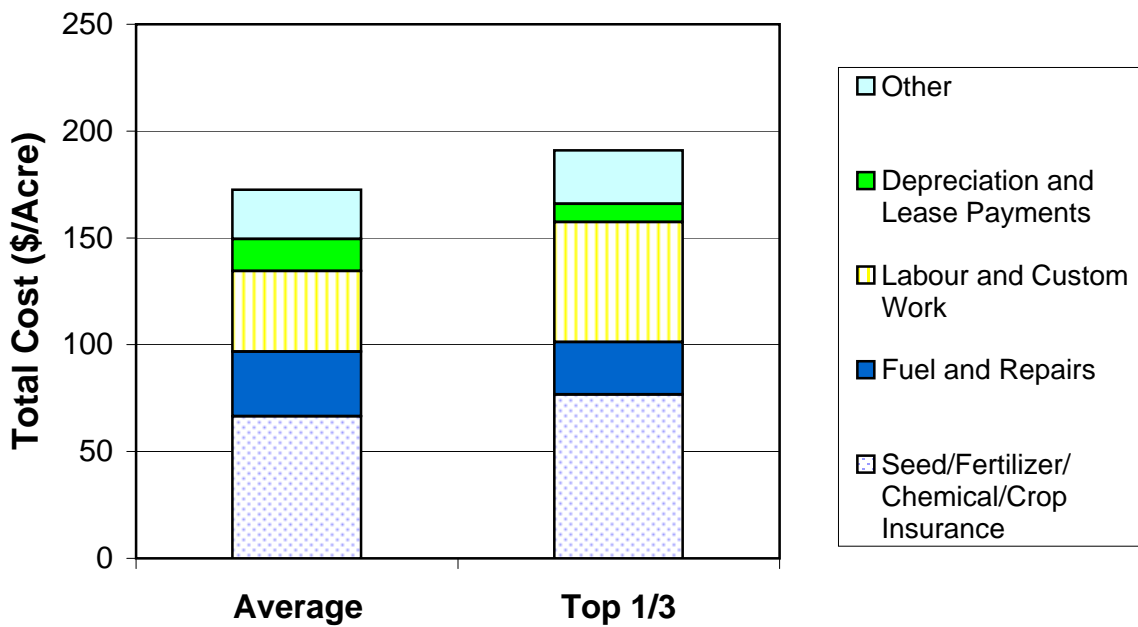
## 2002 Greenfeed on Grey Wooded

Total Cost (\$/Bushel)

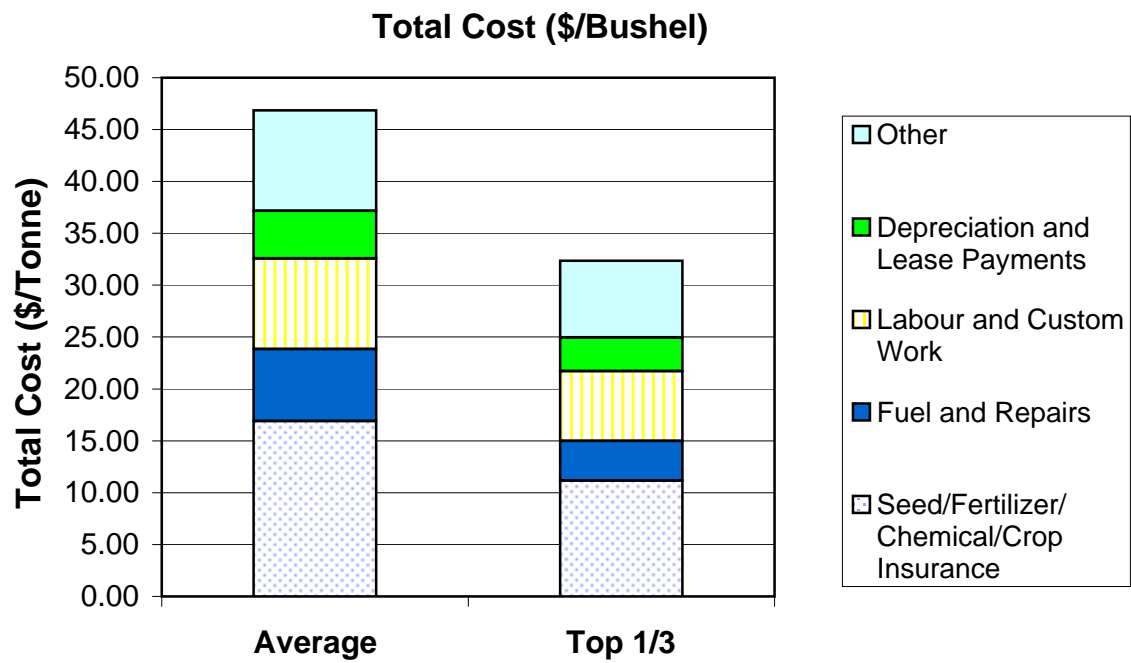


## 2002 Greenfeed Hay on Grey Wooded

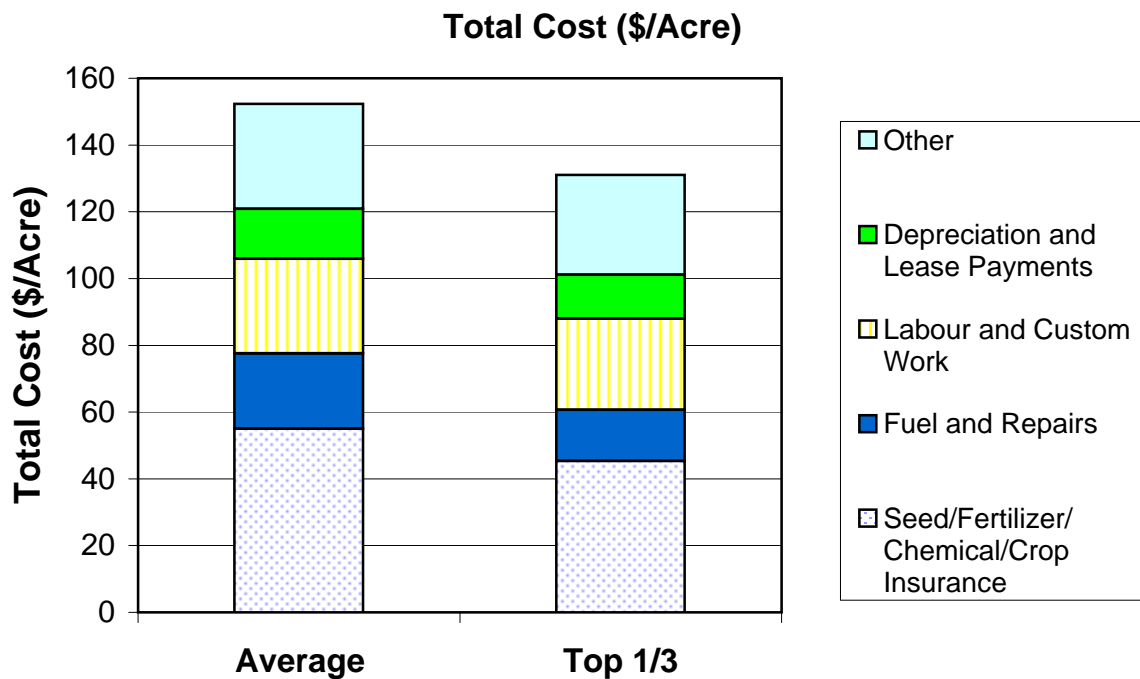
Total Cost (\$/Acre)



## 2002 Grain silage on Grey Wooded



## 2002 Grain silage on Grey Wooded



## 2002 Crop Enterprise Analysis

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	145.72	--	5.93	--
	2. Crop Insurance Receipts	28.42	--	1.16	--
	3. Other Receipts	23.23	--	0.94	--
	<b>Gross Receipts</b>	<b>197.36</b>	<b>0.00</b>	<b>8.03</b>	<b>0.00</b>
<b>(B) Cost Items</b>					
	1. Seed	11.67	--	0.47	--
	2. Fertilizer	39.34	--	1.60	--
	3. Chemical	14.04	--	0.57	--
	4. Hail/Crop Insurance Premium	5.22	--	0.21	--
	5. Trucking and Marketing	1.19	--	0.05	--
	6. Fuel	8.59	--	0.35	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	12.93	--	0.53	--
	9. Repairs - Buildings	2.89	--	0.12	--
	10. Utilities and Miscellaneous	17.59	--	0.72	--
	11. Custom Work	3.44	--	0.14	--
	12. Operating Interest Paid	4.44	--	0.18	--
	13. Paid Labour	9.56	--	0.39	--
	14. Unpaid Labour	14.95	--	0.61	--
	<b>Variable Costs</b>	<b>145.86</b>	<b>0.00</b>	<b>5.93</b>	<b>0.00</b>
<b>(C)</b>	1. Cash/ Share Land Rent	2.32	--	0.09	--
	2. Taxes, Water Rates, License & Ins.	7.49	--	0.30	--
	3. Equipment and Building: a) Depreciation	32.78	--	1.33	--
	b) Lease Payments	3.10	--	0.13	--
4. Paid Capital Interest	6.91	--	0.28	--	
	<b>Capital Costs</b>	<b>52.61</b>	<b>0.00</b>	<b>2.14</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>150.74</b>	--	<b>6.13</b>	--
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>198.47</b>	--	<b>8.07</b>	--
	<b>Gross Margin (A-D)</b>	<b>46.63</b>	--	<b>1.90</b>	--
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>13.84</b>	--	<b>0.56</b>	--
	<b>Return to Investment (A-E+C4)</b>	<b>5.80</b>	--	<b>0.24</b>	--
	<b>Return to Equity (A-E)</b>	<b>(1.11)</b>	--	<b>(0.05)</b>	--

**Investment**

Buildings	95.19	--
Machinery	306.94	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>1147.86</b>	--

**Management**

Average Yield (Bushel/acre)	24.59	--
Expected Market Price (\$/Bushel)	5.93	--

## 2002 Crop Enterprise Analysis

*AgriProfit\$*

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	143.46	--	5.88	--
	2. Crop Insurance Receipts	30.57	--	1.25	--
	3. Other Receipts	24.74	--	1.01	--
	<b>Gross Receipts</b>	<b>198.78</b>	<b>0.00</b>	<b>8.14</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	11.61	--	0.48	--
	2. Fertilizer	39.22	--	1.61	--
	3. Chemical	13.51	--	0.55	--
	4. Hail/Crop Insurance Premium	5.61	--	0.23	--
	5. Trucking and Marketing	0.96	--	0.04	--
	6. Fuel	8.53	--	0.35	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	12.90	--	0.53	--
	9. Repairs - Buildings	2.53	--	0.10	--
	10. Utilities and Miscellaneous	17.97	--	0.74	--
	11. Custom Work	2.57	--	0.11	--
	12. Operating Interest Paid	3.83	--	0.16	--
	13. Paid Labour	9.71	--	0.40	--
	14. Unpaid Labour	14.37	--	0.59	--
	<b>Variable Costs</b>	<b>143.33</b>	<b>0.00</b>	<b>5.87</b>	<b>0.00</b>
<b>(C)</b>	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	7.89	--	0.32	--
	3. Equipment and Building: a) Depreciation	32.28	--	1.32	--
	b) Lease Payments	3.33	--	0.14	--
	4. Paid Capital Interest	6.64	--	0.27	--
	<b>Capital Costs</b>	<b>50.15</b>	<b>0.00</b>	<b>2.05</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>146.83</b>	<b>--</b>	<b>6.02</b>	<b>--</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>193.48</b>	<b>--</b>	<b>7.93</b>	<b>--</b>
	<b>Gross Margin (A-D)</b>	<b>51.95</b>	<b>--</b>	<b>2.13</b>	<b>--</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>19.66</b>	<b>--</b>	<b>0.81</b>	<b>--</b>
	<b>Return to Investment (A-E+C4)</b>	<b>11.93</b>	<b>--</b>	<b>0.49</b>	<b>--</b>
	<b>Return to Equity (A-E)</b>	<b>5.29</b>	<b>--</b>		

**Investment**

Buildings	93.78	--
Machinery	299.83	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>1195.77</b>	<b>--</b>

**Management**

Average Yield (Bushel/acre)	24.41	--
Expected Market Price (\$/Bushel)	5.88	--

## 2002 Crop Enterprise Analysis

*AgriProfit\$*

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	158.60	--	5.34	--
	2. Crop Insurance Receipts	123.36	--	4.15	--
	3. Other Receipts	1.54	--	0.05	--
<b>Gross Receipts</b>		<b>283.50</b>	<b>0.00</b>	<b>9.54</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	12.87	--	0.43	--
	2. Fertilizer	39.79	--	1.34	--
	3. Chemical	21.80	--	0.73	--
	4. Hail/Crop Insurance Premium	9.18	--	0.31	--
	5. Trucking and Marketing	1.48	--	0.05	--
	6. Fuel	12.78	--	0.43	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	4.88	--	0.16	--
	9. Repairs - Buildings	0.00	--	0.00	--
	10. Utilities and Miscellaneous	8.40	--	0.28	--
	11. Custom Work	1.25	--	0.04	--
	12. Operating Interest Paid	0.45	--	0.02	--
	13. Paid Labour	3.35	--	0.11	--
	14. Unpaid Labour	16.61	--	0.56	--
<b>Variable Costs</b>		<b>132.84</b>	<b>0.00</b>	<b>4.47</b>	<b>0.00</b>
<b>(C)</b>	<b>Capital Costs</b>				
	1. Cash/ Share Land Rent	18.35	--	0.62	--
	2. Taxes, Water Rates, License & Ins.	6.05	--	0.20	--
	3. Equipment and Building: a) Depreciation	41.31	--	1.39	--
	b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	8.09	--	0.27	--
<b>Capital Costs</b>		<b>73.80</b>	<b>0.00</b>	<b>2.48</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>148.71</b>	<b>--</b>	<b>5.01</b>	<b>--</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>206.64</b>	<b>--</b>	<b>6.96</b>	<b>--</b>
	<b>Gross Margin (A-D)</b>	<b>134.78</b>	<b>--</b>	<b>4.54</b>	<b>--</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>93.47</b>	<b>--</b>	<b>3.15</b>	<b>--</b>
	<b>Return to Investment (A-E+C4)</b>	<b>84.95</b>	<b>--</b>	<b>2.86</b>	<b>--</b>
	<b>Return to Equity (A-E)</b>	<b>76.86</b>	<b>--</b>		

**Investment**

Buildings	155.69	--
Machinery	378.52	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>1290.67</b>	<b>--</b>

**Management**

Average Yield (Bushel/acre)	29.70	--
Expected Market Price (\$/Bushel)	5.34	--

## 2002 Crop Enterprise Analysis

*AgriProfit\$*

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	214.68	--	5.36	--
	2. Crop Insurance Receipts	121.33	--	3.03	--
	3. Other Receipts	2.41	--	0.06	--
	<b>Gross Receipts</b>	<b>338.42</b>	<b>0.00</b>	<b>8.46</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	13.38	--	0.33	--
	2. Fertilizer	36.02	--	0.90	--
	3. Chemical	21.16	--	0.53	--
	4. Hail/Crop Insurance Premium	11.58	--	0.29	--
	5. Trucking and Marketing	2.34	--	0.06	--
	6. Fuel	9.38	--	0.23	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	3.28	--	0.08	--
	9. Repairs - Buildings	0.00	--	0.00	--
	10. Utilities and Miscellaneous	9.27	--	0.23	--
	11. Custom Work	1.04	--	0.03	--
	12. Operating Interest Paid	0.36	--	0.01	--
	13. Paid Labour	0.95	--	0.02	--
	14. Unpaid Labour	20.77	--	0.52	--
	<b>Variable Costs</b>	<b>129.53</b>	<b>0.00</b>	<b>3.24</b>	<b>0.00</b>
<b>(C)</b>	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	5.77	--	0.14	--
	3. Equipment and Building: a) Depreciation	43.84	--	1.10	--
	b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	8.34	--	0.21	--
	<b>Capital Costs</b>	<b>57.95</b>	<b>0.00</b>	<b>1.45</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>122.87</b>	<b>--</b>	<b>3.07</b>	<b>--</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>187.48</b>	<b>--</b>	<b>4.68</b>	<b>--</b>
	<b>Gross Margin (A-D)</b>	<b>215.55</b>	<b>--</b>	<b>5.39</b>	<b>--</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>171.71</b>	<b>--</b>	<b>4.29</b>	<b>--</b>
	<b>Return to Investment (A-E+C4)</b>	<b>159.28</b>	<b>--</b>	<b>3.98</b>	<b>--</b>
	<b>Return to Equity (A-E)</b>	<b>150.94</b>	<b>--</b>		

**Investment**

Buildings	194.59	--
Machinery	380.34	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>1769.91</b>	<b>--</b>

**Management**

Average Yield (Bushel/acre)	40.02	--
Expected Market Price (\$/Bushel)	5.36	--

## 2002 Crop Enterprise Analysis

*AgriProfit\$*

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	163.76	239.78	3.91	4.08
	2. Crop Insurance Receipts	20.22	31.08	0.48	0.53
	3. Other Receipts	18.86	52.51	0.45	0.89
<b>Gross Receipts</b>		<b>202.84</b>	<b>323.36</b>	<b>4.84</b>	<b>5.50</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	10.66	10.08	0.25	0.17
	2. Fertilizer	38.56	21.35	0.92	0.36
	3. Chemical	17.99	3.07	0.43	0.05
	4. Hail/Crop Insurance Premium	5.00	4.99	0.12	0.08
	5. Trucking and Marketing	3.47	2.35	0.08	0.04
	6. Fuel	15.15	10.04	0.36	0.17
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	11.86	14.05	0.28	0.24
	9. Repairs - Buildings	0.51	0.20	0.01	0.00
	10. Utilities and Miscellaneous	11.13	13.23	0.27	0.22
	11. Custom Work	4.21	5.15	0.10	0.09
	12. Operating Interest Paid	2.30	3.44	0.05	0.06
	13. Paid Labour	6.43	0.58	0.15	0.01
	14. Unpaid Labour	13.97	18.32	0.33	0.31
<b>Variable Costs</b>		<b>141.23</b>	<b>106.85</b>	<b>3.37</b>	<b>1.82</b>
<b>(C)</b>	1. Cash/ Share Land Rent	14.90	17.68	0.36	0.30
	2. Taxes, Water Rates, License & Ins.	6.70	2.68	0.16	0.05
	3. Equipment and Building: a) Depreciation	36.62	28.44	0.87	0.48
	b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	12.81	7.82	0.31	0.96
<b>Capital Costs</b>		<b>71.03</b>	<b>56.62</b>	<b>1.69</b>	<b>1.79</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>161.68</b>	<b>116.71</b>	<b>3.86</b>	<b>2.81</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>212.26</b>	<b>163.47</b>	<b>5.06</b>	<b>3.61</b>
	<b>Gross Margin (A-D)</b>	<b>41.16</b>	<b>206.66</b>	<b>0.98</b>	<b>2.68</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>4.54</b>	<b>178.22</b>	<b>0.11</b>	<b>2.20</b>
	<b>Return to Investment (A-E+C4)</b>	<b>3.39</b>	<b>167.71</b>	<b>0.08</b>	<b>2.85</b>
	<b>Return to Equity (A-E)</b>	<b>(9.42)</b>	<b>159.89</b>	<b>(0.22)</b>	

**Investment**

Buildings	108.46	89.32
Machinery	356.24	270.82
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>1224.65</b>	<b>938.76</b>

**Management**

Average Yield (Bushel/acre)	41.92	58.84
Expected Market Price (\$/Bushel)	3.91	4.08

## 2002 Crop Enterprise Analysis

*AgriProfit\$*

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	180.19	232.46	3.87	4.05
	2. Crop Insurance Receipts	6.39	13.93	0.14	0.24
	3. Other Receipts	19.54	58.19	0.42	1.01
<b>Gross Receipts</b>		<b>206.12</b>	<b>304.58</b>	<b>4.43</b>	<b>5.30</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	10.80	9.69	0.23	0.17
	2. Fertilizer	37.51	27.14	0.81	0.47
	3. Chemical	18.29	6.56	0.39	0.11
	4. Hail/Crop Insurance Premium	5.03	4.78	0.11	0.08
	5. Trucking and Marketing	4.40	2.43	0.09	0.04
	6. Fuel	14.64	9.26	0.31	0.16
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	12.97	14.64	0.28	0.25
	9. Repairs - Buildings	0.36	0.00	0.01	0.00
	10. Utilities and Miscellaneous	11.68	14.40	0.25	0.25
	11. Custom Work	5.66	19.04	0.12	0.33
	12. Operating Interest Paid	2.37	2.51	0.05	0.04
	13. Paid Labour	6.73	0.00	0.14	0.00
	14. Unpaid Labour	14.64	18.69	0.31	0.33
<b>Variable Costs</b>		<b>145.10</b>	<b>129.15</b>	<b>3.12</b>	<b>2.25</b>
<b>(C)</b>	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00
	2. Taxes, Water Rates, License & Ins.	7.54	4.92	0.16	0.09
	3. Equipment and Building: a) Depreciation	38.25	30.08	0.82	0.52
	b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	15.65	26.77	0.34	1.08
<b>Capital Costs</b>		<b>61.43</b>	<b>61.76</b>	<b>1.32</b>	<b>1.69</b>
<b>(D)</b>	<b>Cash Costs</b> (B+C-B14-C3a)	<b>153.64</b>	<b>142.14</b>	<b>3.30</b>	<b>3.08</b>
<b>(E)</b>	<b>Total Production Costs</b> (B+C)	<b>206.53</b>	<b>190.91</b>	<b>4.43</b>	<b>3.93</b>
	<b>Gross Margin</b> (A-D)	<b>52.48</b>	<b>162.44</b>	<b>1.13</b>	<b>2.22</b>
	<b>Return to Unpaid Labour</b> (A-E+B14)	<b>14.24</b>	<b>132.36</b>	<b>0.31</b>	<b>1.70</b>
	<b>Return to Investment</b> (A-E+C4)	<b>15.24</b>	<b>140.44</b>	<b>0.33</b>	<b>2.45</b>
	<b>Return to Equity</b> (A-E)	<b>(0.40)</b>	<b>113.67</b>	<b>(0.01)</b>	

### Investment

Buildings	120.57	93.72
Machinery	365.98	286.85
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>1628.57</b>	<b>1561.39</b>

### Management

Average Yield	(Bushel/acre)	46.57	57.42
Expected Market Price	(\$/Bushel)	3.87	4.05

## 2002 Crop Enterprise Analysis

*AgriProfit\$*

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	131.09	--	4.01	--
	2. Crop Insurance Receipts	47.73	--	1.46	--
	3. Other Receipts	17.49	--	0.54	--
	<b>Gross Receipts</b>	<b>196.31</b>	<b>0.00</b>	<b>6.01</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	10.37	--	0.32	--
	2. Fertilizer	40.66	--	1.24	--
	3. Chemical	17.38	--	0.53	--
	4. Hail/Crop Insurance Premium	4.93	--	0.15	--
	5. Trucking and Marketing	1.62	--	0.05	--
	6. Fuel	16.15	--	0.49	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	9.64	--	0.30	--
	9. Repairs - Buildings	0.82	--	0.02	--
	10. Utilities and Miscellaneous	10.02	--	0.31	--
	11. Custom Work	1.34	--	0.04	--
	12. Operating Interest Paid	2.16	--	0.07	--
	13. Paid Labour	5.84	--	0.18	--
	14. Unpaid Labour	12.62	--	0.39	--
	<b>Variable Costs</b>	<b>133.55</b>	<b>0.00</b>	<b>4.09</b>	<b>0.00</b>
<b>(C)</b>	1. Cash/ Share Land Rent	44.53	--	1.36	--
	2. Taxes, Water Rates, License & Ins.	5.04	--	0.15	--
	3. Equipment and Building: a) Depreciation	33.39	--	1.02	--
	b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	7.17	--	0.22	--
	<b>Capital Costs</b>	<b>90.12</b>	<b>0.00</b>	<b>2.76</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>177.66</b>	<b>--</b>	<b>5.44</b>	<b>--</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>223.66</b>	<b>--</b>	<b>6.85</b>	<b>--</b>
	<i>Gross Margin (A-D)</i>	<b>18.65</b>	<b>--</b>	<b>0.57</b>	<b>--</b>
	<i>Return to Unpaid Labour (A-E+B14)</i>	<b>(14.74)</b>	<b>--</b>	<b>(0.45)</b>	<b>--</b>
	<i>Return to Investment (A-E+C4)</i>	<b>(20.19)</b>	<b>--</b>	<b>(0.62)</b>	<b>--</b>
	<i>Return to Equity (A-E)</i>	<b>(27.36)</b>	<b>--</b>	<b>(0.84)</b>	<b>--</b>

**Investment**

Buildings	84.39	--
Machinery	336.87	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>421.26</b>	<b>--</b>

**Management**

Average Yield (Bushel/acre)	32.67	--
Expected Market Price (\$/Bushel)	4.01	--

## 2002 Crop Enterprise Analysis

*AgriProfit\$*

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	115.13	177.35	2.91	2.93
	2. Crop Insurance Receipts	19.40	4.38	0.49	0.07
	3. Other Receipts	19.45	11.20	0.49	0.19
	<b>Gross Receipts</b>	<b>153.99</b>	<b>192.93</b>	<b>3.89</b>	<b>3.19</b>
<b>(B) Cost Items</b>					
	1. Seed	11.89	10.77	0.30	0.18
	2. Fertilizer	34.19	38.34	0.86	0.63
	3. Chemical	9.61	13.79	0.24	0.23
	4. Hail/Crop Insurance Premium	5.94	7.57	0.15	0.13
	5. Trucking and Marketing	4.15	0.66	0.10	0.01
	6. Fuel	14.99	13.66	0.38	0.23
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	19.54	19.39	0.49	0.32
	9. Repairs - Buildings	0.92	0.61	0.02	0.01
	10. Utilities and Miscellaneous	12.90	11.57	0.33	0.19
	11. Custom Work	4.95	7.60	0.12	0.13
	12. Operating Interest Paid	1.88	1.67	0.05	0.03
	13. Paid Labour	8.79	9.46	0.22	0.16
	14. Unpaid Labour	11.59	8.47	0.29	0.14
	<b>Variable Costs</b>	<b>141.34</b>	<b>143.58</b>	<b>3.57</b>	<b>2.38</b>
<b>(C)</b>	1. Cash/ Share Land Rent	16.54	24.41	0.42	0.40
	2. Taxes, Water Rates, License & Ins.	4.33	5.61	0.11	0.09
	3. Equipment and Building: a) Depreciation	38.99	26.61	0.98	0.44
	b) Lease Payments	1.27	2.07	0.03	0.03
4. Paid Capital Interest	12.36	8.23	0.31	1.11	
	<b>Capital Costs</b>	<b>73.49</b>	<b>66.94</b>	<b>1.86</b>	<b>2.08</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>164.25</b>	<b>175.44</b>	<b>4.15</b>	<b>3.87</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>214.83</b>	<b>210.52</b>	<b>5.43</b>	<b>4.46</b>
	<b>Gross Margin (A-D)</b>	<b>(10.27)</b>	<b>17.49</b>	<b>(0.26)</b>	<b>(0.68)</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>(49.26)</b>	<b>(9.12)</b>	<b>(1.24)</b>	<b>(1.12)</b>
	<b>Return to Investment (A-E+C4)</b>	<b>(48.48)</b>	<b>(9.36)</b>	<b>(1.22)</b>	<b>(0.15)</b>
	<b>Return to Equity (A-E)</b>	<b>(60.84)</b>	<b>(17.59)</b>	<b>(1.54)</b>	<b>(1.26)</b>

### Investment

Buildings	79.14	73.31
Machinery	381.06	250.60
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>792.77</b>	<b>587.99</b>

### Management

Average Yield (Bushel/acre)	39.60	60.43
Expected Market Price (\$/Bushel)	2.91	2.93

## 2002 Crop Enterprise Analysis

*AgriProfit\$*

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

		----- \$/Acre -----		----- \$/Bushel -----		
		Average	Top 1/3	Average	Top 1/3	
<b>(A)</b>	1. Crop Sales	76.14	--	3.75	--	
	2. Crop Insurance Receipts	30.22	--	1.49	--	
	3. Other Receipts	29.50	--	1.45	--	
	<b>Gross Receipts</b>	<b>135.86</b>	<b>0.00</b>	<b>6.69</b>	<b>0.00</b>	
<hr/>						
<b>(B)</b>	<b>Cost Items</b>					
	1. Seed	12.76	--	0.63	--	
	2. Fertilizer	34.07	--	1.68	--	
	3. Chemical	5.44	--	0.27	--	
	4. Hail/Crop Insurance Premium	3.81	--	0.19	--	
	5. Trucking and Marketing	1.63	--	0.08	--	
	6. Fuel	12.74	--	0.63	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	14.64	--	0.72	--	
	9. Repairs - Buildings	1.53	--	0.08	--	
	10. Utilities and Miscellaneous	12.99	--	0.64	--	
	11. Custom Work	0.39	--	0.02	--	
	12. Operating Interest Paid	1.98	--	0.10	--	
	13. Paid Labour	3.23	--	0.16	--	
	14. Unpaid Labour	15.27	--	0.75	--	
<b>Variable Costs</b>	<b>120.48</b>	<b>0.00</b>	<b>5.93</b>	<b>0.00</b>		
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<b>(C)</b>	1. Cash/ Share Land Rent	0.00	--	0.00	--	
	2. Taxes, Water Rates, License & Ins.	5.27	--	0.26	--	
	3. Equipment and Building:	a) Depreciation	42.16	--	2.08	--
		b) Lease Payments	2.84	--	0.14	--
	4. Paid Capital Interest	15.01	--	0.74	--	
<b>Capital Costs</b>	<b>65.28</b>	<b>0.00</b>	<b>3.22</b>	<b>0.00</b>		
<hr/>						
<b>(D)</b>	<b>Cash Costs</b>	<b>(B+C-B14-C3a)</b>	<b>128.33</b>	<b>--</b>	<b>6.32</b>	
<b>(E)</b>	<b>Total Production Costs</b>	<b>(B+C)</b>	<b>185.77</b>	<b>--</b>	<b>9.15</b>	
	<b>Gross Margin</b>	<b>(A-D)</b>	<b>7.52</b>	<b>--</b>	<b>0.37</b>	
	<b>Return to Unpaid Labour</b>	<b>(A-E+B14)</b>	<b>(34.64)</b>	<b>--</b>	<b>(1.71)</b>	
	<b>Return to Investment</b>	<b>(A-E+C4)</b>	<b>(34.90)</b>	<b>--</b>	<b>(1.72)</b>	
	<b>Return to Equity</b>	<b>(A-E)</b>	<b>(49.91)</b>	<b>--</b>	<b>(2.46)</b>	

**Investment**

Buildings	69.93	--
Machinery	413.27	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>1226.44</b>	<b>--</b>

**Management**

Average Yield	(Bushel/acre)	20.30	--
Expected Market Price	(\$/Bushel)	3.75	--

## 2002 Crop Enterprise Analysis

*AgriProfit\$*

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

		----- \$/Acre -----		----- \$/Bushel -----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	146.71	--	2.66	--
	2. Crop Insurance Receipts	10.64	--	0.19	--
	3. Other Receipts	11.31	--	0.20	--
<b>Gross Receipts</b>		<b>168.67</b>	<b>0.00</b>	<b>3.05</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	11.20	--	0.20	--
	2. Fertilizer	34.28	--	0.62	--
	3. Chemical	12.99	--	0.24	--
	4. Hail/Crop Insurance Premium	7.67	--	0.14	--
	5. Trucking and Marketing	6.19	--	0.11	--
	6. Fuel	16.81	--	0.30	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	23.51	--	0.43	--
	9. Repairs - Buildings	0.43	--	0.01	--
	10. Utilities and Miscellaneous	12.82	--	0.23	--
	11. Custom Work	8.64	--	0.16	--
	12. Operating Interest Paid	1.79	--	0.03	--
	13. Paid Labour	13.29	--	0.24	--
	14. Unpaid Labour	8.60	--	0.16	--
<b>Variable Costs</b>		<b>158.22</b>	<b>0.00</b>	<b>2.87</b>	<b>0.00</b>
<b>(C)</b>	1. Cash/ Share Land Rent	29.94	--	0.54	--
	2. Taxes, Water Rates, License & Ins.	3.57	--	0.06	--
	3. Equipment and Building: a) Depreciation	36.42	--	0.66	--
	b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	10.22	--	0.18	--
<b>Capital Costs</b>		<b>80.14</b>	<b>0.00</b>	<b>1.45</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>193.34</b>	--	<b>3.50</b>	--
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>238.36</b>	--	<b>4.32</b>	--
	<b>Gross Margin (A-D)</b>	<b>(24.67)</b>	--	<b>(0.45)</b>	--
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>(61.09)</b>	--	<b>(1.11)</b>	--
	<b>Return to Investment (A-E+C4)</b>	<b>(59.48)</b>	--	<b>(1.08)</b>	--
	<b>Return to Equity (A-E)</b>	<b>(69.69)</b>	--	<b>(1.26)</b>	--

**Investment**

Buildings	86.59	--
Machinery	354.97	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>441.56</b>	--

**Management**

Average Yield (Bushel/acre)	55.22	--
Expected Market Price (\$/Bushel)	2.66	--

## 2002 Crop Enterprise Analysis

*AgriProfit\$*

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	362.07	--	9.00	--
	2. Crop Insurance Receipts	16.79	--	0.42	--
	3. Other Receipts	0.01	--	0.00	--
<b>Gross Receipts</b>		<b>378.86</b>	<b>0.00</b>	<b>9.42</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	28.04	--	0.70	--
	2. Fertilizer	43.72	--	1.09	--
	3. Chemical	28.44	--	0.71	--
	4. Hail/Crop Insurance Premium	17.04	--	0.42	--
	5. Trucking and Marketing	1.67	--	0.04	--
	6. Fuel	12.53	--	0.31	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	4.62	--	0.11	--
	9. Repairs - Buildings	0.00	--	0.00	--
	10. Utilities and Miscellaneous	8.44	--	0.21	--
	11. Custom Work	0.35	--	0.01	--
	12. Operating Interest Paid	0.21	--	0.01	--
	13. Paid Labour	3.24	--	0.08	--
	14. Unpaid Labour	17.04	--	0.42	--
<b>Variable Costs</b>		<b>165.35</b>	<b>0.00</b>	<b>4.11</b>	<b>0.00</b>
<b>(C)</b>	1. Cash/ Share Land Rent	4.33	--	0.11	--
	2. Taxes, Water Rates, License & Ins.	7.24	--	0.18	--
	3. Equipment and Building: a) Depreciation	41.85	--	1.04	--
	b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	9.67	--	0.24	--
<b>Capital Costs</b>		<b>63.09</b>	<b>0.00</b>	<b>1.57</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>169.55</b>	<b>--</b>	<b>4.21</b>	<b>--</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>228.45</b>	<b>--</b>	<b>5.68</b>	<b>--</b>
	<b>Gross Margin (A-D)</b>	<b>209.31</b>	<b>--</b>	<b>5.20</b>	<b>--</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>167.46</b>	<b>--</b>	<b>4.16</b>	<b>--</b>
	<b>Return to Investment (A-E+C4)</b>	<b>160.08</b>	<b>--</b>	<b>3.98</b>	<b>--</b>
	<b>Return to Equity (A-E)</b>	<b>150.42</b>	<b>--</b>		

**Investment**

Buildings	163.48	--
Machinery	378.76	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>1650.98</b>	<b>--</b>

**Management**

Average Yield (Bushel/acre)	40.23	--
Expected Market Price (\$/Bushel)	9.00	--

## 2002 Crop Enterprise Analysis

*AgriProfit\$*

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	366.53	--	9.00	--
	2. Crop Insurance Receipts	17.78	--	0.44	--
	3. Other Receipts	0.01	--	0.00	--
<b>Gross Receipts</b>		<b>384.32</b>	<b>0.00</b>	<b>9.44</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	27.62	--	0.68	--
	2. Fertilizer	43.60	--	1.07	--
	3. Chemical	28.58	--	0.70	--
	4. Hail/Crop Insurance Premium	16.88	--	0.41	--
	5. Trucking and Marketing	1.83	--	0.04	--
	6. Fuel	11.95	--	0.29	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	4.34	--	0.11	--
	9. Repairs - Buildings	0.00	--	0.00	--
	10. Utilities and Miscellaneous	8.59	--	0.21	--
	11. Custom Work	0.23	--	0.01	--
	12. Operating Interest Paid	0.17	--	0.00	--
	13. Paid Labour	2.83	--	0.07	--
	14. Unpaid Labour	17.77	--	0.44	--
<b>Variable Costs</b>		<b>164.39</b>	<b>0.00</b>	<b>4.04</b>	<b>0.00</b>
<b>(C)</b>	<b>Capital Costs</b>				
	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	7.31	--	0.18	--
	3. Equipment and Building: a) Depreciation	42.32	--	1.04	--
	b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	9.86	--	0.24	--
<b>Capital Costs</b>		<b>59.48</b>	<b>0.00</b>	<b>1.46</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>163.79</b>	<b>--</b>	<b>4.02</b>	<b>--</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>223.87</b>	<b>--</b>	<b>5.50</b>	<b>--</b>
	<b>Gross Margin (A-D)</b>	<b>220.53</b>	<b>--</b>	<b>5.41</b>	<b>--</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>178.21</b>	<b>--</b>	<b>4.38</b>	<b>--</b>
	<b>Return to Investment (A-E+C4)</b>	<b>170.30</b>	<b>--</b>	<b>4.18</b>	<b>--</b>
	<b>Return to Equity (A-E)</b>	<b>160.44</b>	<b>--</b>		

**Investment**

Buildings	170.58	--
Machinery	379.08	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>1763.60</b>	<b>--</b>

**Management**

Average Yield (Bushel/acre)	40.73	--
Expected Market Price (\$/Bushel)	9.00	--

## 2002 Crop Enterprise Analysis

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	234.68	271.41	8.43	9.03
	2. Crop Insurance Receipts	4.89	4.81	0.18	0.16
	3. Other Receipts	7.82	0.24	0.28	0.01
	<b>Gross Receipts</b>	<b>247.40</b>	<b>276.46</b>	<b>8.89</b>	<b>9.20</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	28.99	28.33	1.04	0.94
	2. Fertilizer	48.80	45.43	1.75	1.51
	3. Chemical	18.37	12.60	0.66	0.42
	4. Hail/Crop Insurance Premium	14.56	17.01	0.52	0.57
	5. Trucking and Marketing	1.29	0.73	0.05	0.02
	6. Fuel	14.00	16.39	0.50	0.55
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	20.36	7.21	0.73	0.24
	9. Repairs - Buildings	1.10	0.50	0.04	0.02
	10. Utilities and Miscellaneous	10.89	7.68	0.39	0.26
	11. Custom Work	1.86	1.21	0.07	0.04
	12. Operating Interest Paid	2.00	1.29	0.07	0.04
	13. Paid Labour	10.46	6.36	0.38	0.21
	14. Unpaid Labour	8.81	12.35	0.32	0.41
	<b>Variable Costs</b>	<b>181.49</b>	<b>157.09</b>	<b>6.52</b>	<b>5.22</b>
<b>(C)</b>	1. Cash/ Share Land Rent	32.80	37.90	1.18	1.26
	2. Taxes, Water Rates, License & Ins.	4.84	6.41	0.17	0.21
	3. Equipment and Building: a) Depreciation	28.49	38.41	1.02	1.28
	b) Lease Payments	1.03	0.00	0.04	0.00
	4. Paid Capital Interest	9.98	8.62	0.36	3.04
	<b>Capital Costs</b>	<b>77.15</b>	<b>91.34</b>	<b>2.77</b>	<b>5.79</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>221.33</b>	<b>197.66</b>	<b>7.95</b>	<b>9.33</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>258.64</b>	<b>248.42</b>	<b>9.29</b>	<b>11.01</b>
	<b>Gross Margin (A-D)</b>	<b>26.06</b>	<b>78.80</b>	<b>0.94</b>	<b>(0.13)</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>(2.43)</b>	<b>40.39</b>	<b>(0.09)</b>	<b>(1.41)</b>
	<b>Return to Investment (A-E+C4)</b>	<b>(1.27)</b>	<b>36.66</b>	<b>(0.05)</b>	<b>1.22</b>
	<b>Return to Equity (A-E)</b>	<b>(11.24)</b>	<b>28.04</b>	<b>(0.40)</b>	<b>(1.82)</b>

**Investment**

Buildings	76.68	110.27
Machinery	272.21	377.97
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>464.28</b>	<b>740.72</b>

**Management**

Average Yield (Bushel/acre)	27.83	30.07
Expected Market Price (\$/Bushel)	8.43	9.03

## 2002 Crop Enterprise Analysis

*AgriProfit\$*

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	211.97	--	8.95	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	42.14	--	1.78	--
<b>Gross Receipts</b>		<b>254.11</b>	<b>0.00</b>	<b>10.72</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	21.80	--	0.92	--
	2. Fertilizer	51.41	--	2.17	--
	3. Chemical	18.00	--	0.76	--
	4. Hail/Crop Insurance Premium	8.78	--	0.37	--
	5. Trucking and Marketing	3.33	--	0.14	--
	6. Fuel	9.37	--	0.40	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	7.76	--	0.33	--
	9. Repairs - Buildings	3.45	--	0.15	--
	10. Utilities and Miscellaneous	10.77	--	0.45	--
	11. Custom Work	1.27	--	0.05	--
	12. Operating Interest Paid	5.75	--	0.24	--
	13. Paid Labour	3.99	--	0.17	--
	14. Unpaid Labour	21.77	--	0.92	--
<b>Variable Costs</b>		<b>167.44</b>	<b>0.00</b>	<b>7.07</b>	<b>0.00</b>
<b>(C)</b>	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	6.02	--	0.25	--
	3. Equipment and Building: a) Depreciation	42.09	--	1.78	--
	b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	13.50	--	0.57	--
<b>Capital Costs</b>		<b>61.61</b>	<b>0.00</b>	<b>2.60</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>165.20</b>	<b>--</b>	<b>6.97</b>	<b>--</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>229.06</b>	<b>--</b>	<b>9.67</b>	<b>--</b>
	<b>Gross Margin (A-D)</b>	<b>88.91</b>	<b>--</b>	<b>3.75</b>	<b>--</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>46.82</b>	<b>--</b>	<b>1.98</b>	<b>--</b>
	<b>Return to Investment (A-E+C4)</b>	<b>38.55</b>	<b>--</b>	<b>1.63</b>	<b>--</b>
	<b>Return to Equity (A-E)</b>	<b>25.05</b>	<b>--</b>		

**Investment**

Buildings	161.77	--
Machinery	389.86	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>1488.50</b>	<b>--</b>

**Management**

Average Yield (Bushel/acre)	23.69	--
Expected Market Price (\$/Bushel)	8.95	--

## 2002 Crop Enterprise Analysis

*AgriProfit\$*

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	237.87	--	8.37	--
	2. Crop Insurance Receipts	5.58	--	0.20	--
	3. Other Receipts	3.00	--	0.11	--
	<b>Gross Receipts</b>	<b>246.45</b>	<b>0.00</b>	<b>8.67</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	30.00	--	1.06	--
	2. Fertilizer	48.43	--	1.70	--
	3. Chemical	18.43	--	0.65	--
	4. Hail/Crop Insurance Premium	15.37	--	0.54	--
	5. Trucking and Marketing	1.01	--	0.04	--
	6. Fuel	14.64	--	0.52	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	22.13	--	0.78	--
	9. Repairs - Buildings	0.77	--	0.03	--
	10. Utilities and Miscellaneous	10.91	--	0.38	--
	11. Custom Work	1.94	--	0.07	--
	12. Operating Interest Paid	1.47	--	0.05	--
	13. Paid Labour	11.37	--	0.40	--
	14. Unpaid Labour	6.99	--	0.25	--
	<b>Variable Costs</b>	<b>183.46</b>	<b>0.00</b>	<b>6.46</b>	<b>0.00</b>
<b>(C)</b>	<b>Capital Costs</b>				
	1. Cash/ Share Land Rent	37.41	--	1.32	--
	2. Taxes, Water Rates, License & Ins.	4.68	--	0.16	--
	3. Equipment and Building: a) Depreciation	26.58	--	0.94	--
	b) Lease Payments	1.18	--	0.04	--
	4. Paid Capital Interest	9.48	--	0.33	--
	<b>Capital Costs</b>	<b>79.33</b>	<b>0.00</b>	<b>2.79</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>229.22</b>	<b>--</b>	<b>8.07</b>	<b>--</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>262.80</b>	<b>--</b>	<b>9.25</b>	<b>--</b>
	<b>Gross Margin (A-D)</b>	<b>17.24</b>	<b>--</b>	<b>0.61</b>	<b>--</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>(9.35)</b>	<b>--</b>	<b>(0.33)</b>	<b>--</b>
	<b>Return to Investment (A-E+C4)</b>	<b>(6.86)</b>	<b>--</b>	<b>(0.24)</b>	<b>--</b>
	<b>Return to Equity (A-E)</b>	<b>(16.34)</b>	<b>--</b>	<b>(0.58)</b>	<b>--</b>

**Investment**

Buildings	64.72	--
Machinery	255.68	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>320.40</b>	<b>--</b>

**Management**

Average Yield (Bushel/acre)	28.41	--
Expected Market Price (\$/Bushel)	8.37	--

## 2002 Crop Enterprise Analysis

*AgriProfit\$*

Crop: *Field Peas - All*  
 Soil Zone: *Grey Wooded - Dryland*  
 Unit: *Bushel*

		----- \$/Acre -----		----- \$/Bushel -----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	232.36	--	8.55	--
	2. Crop Insurance Receipts	71.39	--	2.63	--
	3. Other Receipts	13.58	--	0.50	--
	<b>Gross Receipts</b>	<b>317.34</b>	<b>0.00</b>	<b>11.67</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	37.99	--	1.40	--
	2. Fertilizer	35.26	--	1.30	--
	3. Chemical	24.10	--	0.89	--
	4. Hail/Crop Insurance Premium	7.21	--	0.27	--
	5. Trucking and Marketing	1.36	--	0.05	--
	6. Fuel	10.28	--	0.38	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	9.25	--	0.34	--
	9. Repairs - Buildings	0.65	--	0.02	--
	10. Utilities and Miscellaneous	12.95	--	0.48	--
	11. Custom Work	0.47	--	0.02	--
	12. Operating Interest Paid	1.75	--	0.06	--
	13. Paid Labour	2.94	--	0.11	--
	14. Unpaid Labour	17.11	--	0.63	--
	<b>Variable Costs</b>	<b>161.33</b>	<b>0.00</b>	<b>5.93</b>	<b>0.00</b>
<b>(C)</b>	1. Cash/ Share Land Rent	19.93	--	0.73	--
	2. Taxes, Water Rates, License & Ins.	6.25	--	0.23	--
	3. Equipment and Building: a) Depreciation	33.00	--	1.21	--
	b) Lease Payments	3.42	--	0.13	--
	4. Paid Capital Interest	7.27	--	0.27	--
	<b>Capital Costs</b>	<b>69.87</b>	<b>0.00</b>	<b>2.57</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>181.08</b>	--	<b>6.66</b>	--
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>231.19</b>	--	<b>8.50</b>	--
	<i>Gross Margin (A-D)</i>	<i>136.25</i>	--	<i>5.01</i>	--
	<i>Return to Unpaid Labour (A-E+B14)</i>	<i>103.25</i>	--	<i>3.80</i>	--
	<i>Return to Investment (A-E+C4)</i>	<i>93.41</i>	--	<i>3.44</i>	--
	<i>Return to Equity (A-E)</i>	<i>86.14</i>	--		

**Investment**

Buildings	150.86	--
Machinery	274.27	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>1027.09</b>	--

**Management**

Average Yield (Bushel/acre)	27.19	--
Expected Market Price (\$/Bushel)	8.55	--

## 2002 Crop Enterprise Analysis

*AgriProfit\$*

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

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	192.27	--	158.73	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	0.00	--	0.00	--
<b>Gross Receipts</b>		<b>192.27</b>	<b>0.00</b>	<b>158.73</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	1.52	--	1.25	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	9.06	--	7.48	--
	9. Repairs - Buildings	0.00	--	0.00	--
	10. Utilities and Miscellaneous	1.78	--	1.47	--
	11. Custom Work	0.00	--	0.00	--
	12. Operating Interest Paid	1.25	--	1.03	--
	13. Paid Labour	14.30	--	11.81	--
	14. Unpaid Labour	3.60	--	2.97	--
<b>Variable Costs</b>		<b>31.51</b>	<b>0.00</b>	<b>26.01</b>	<b>0.00</b>
<b>(C)</b>	1. Cash/ Share Land Rent	50.65	--	41.81	--
	2. Taxes, Water Rates, License & Ins.	0.52	--	0.43	--
	3. Equipment and Building: a) Depreciation	11.91	--	9.83	--
	b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	4.02	--	3.32	--
<b>Capital Costs</b>		<b>67.09</b>	<b>0.00</b>	<b>55.38</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>83.09</b>	--	<b>68.60</b>	--
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>98.59</b>	--	<b>81.39</b>	--
	<b>Gross Margin (A-D)</b>	<b>109.18</b>	--	<b>90.14</b>	--
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>97.28</b>	--	<b>80.31</b>	--
	<b>Return to Investment (A-E+C4)</b>	<b>97.70</b>	--	<b>80.65</b>	--
	<b>Return to Equity (A-E)</b>	<b>93.68</b>	--		

**Investment**

Buildings	7.63	--
Machinery	121.10	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>323.53</b>	--

**Management**

Average Yield (Tonne/acre)	1.21	--
Expected Market Price (\$/Tonne)	158.73	--

## 2002 Crop Enterprise Analysis

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

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	116.19	191.41	140.14	140.58
	2. Crop Insurance Receipts	9.16	0.00	11.04	0.00
	3. Other Receipts	9.88	20.98	11.91	15.40
	<b>Gross Receipts</b>	<b>135.23</b>	<b>212.39</b>	<b>163.10</b>	<b>155.98</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	1.44	3.78	1.73	2.78
	2. Fertilizer	6.44	5.52	7.76	4.06
	3. Chemical	2.38	3.15	2.87	2.31
	4. Hail/Crop Insurance Premium	3.10	1.72	3.74	1.26
	5. Trucking and Marketing	0.29	0.00	0.35	0.00
	6. Fuel	3.09	2.34	3.73	1.72
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	7.81	4.63	9.42	3.40
	9. Repairs - Buildings	0.73	0.31	0.88	0.23
	10. Utilities and Miscellaneous	5.89	6.70	7.10	4.92
	11. Custom Work	2.23	2.49	2.69	1.83
	12. Operating Interest Paid	2.08	4.74	2.50	3.48
	13. Paid Labour	1.30	0.90	1.57	0.66
	14. Unpaid Labour	7.88	7.35	9.51	5.40
	<b>Variable Costs</b>	<b>44.65</b>	<b>43.63</b>	<b>53.85</b>	<b>32.04</b>
<b>(C)</b>	1. Cash/ Share Land Rent	8.06	3.15	9.72	2.31
	2. Taxes, Water Rates, License & Ins.	1.96	1.21	2.36	0.89
	3. Equipment and Building: a) Depreciation	21.25	18.10	25.63	13.30
	b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	6.31	11.30	7.62	24.80
	<b>Capital Costs</b>	<b>37.58</b>	<b>33.76</b>	<b>45.32</b>	<b>41.30</b>
<b>(D)</b>	<b>Cash Costs</b> (B+C-B14-C3a)	<b>53.09</b>	<b>51.94</b>	<b>64.04</b>	<b>54.65</b>
<b>(E)</b>	<b>Total Production Costs</b> (B+C)	<b>82.22</b>	<b>77.40</b>	<b>99.17</b>	<b>73.34</b>
	<b>Gross Margin</b> (A-D)	<b>82.13</b>	<b>160.45</b>	<b>99.06</b>	<b>101.33</b>
	<b>Return to Unpaid Labour</b> (A-E+B14)	<b>60.88</b>	<b>142.34</b>	<b>73.43</b>	<b>88.04</b>
	<b>Return to Investment</b> (A-E+C4)	<b>59.32</b>	<b>146.29</b>	<b>71.54</b>	<b>107.44</b>
	<b>Return to Equity</b> (A-E)	<b>53.00</b>	<b>134.99</b>		

**Investment**

Buildings	16.96	8.16
Machinery	201.87	170.29
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>795.09</b>	<b>976.87</b>

**Management**

Average Yield (Tonne/acre)	0.83	1.36
Expected Market Price (\$/Tonne)	140.14	140.58

## 2002 Crop Enterprise Analysis

*AgriProfit\$*

Crop: *Alfalfa/Grass Hay - Own*  
 Soil Zone: *Grey Wooded - Dryland*  
 Unit: *Tonne*

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	103.53	184.55	128.79	135.34
	2. Crop Insurance Receipts	5.68	0.00	7.07	0.00
	3. Other Receipts	10.27	26.22	12.78	19.22
	<b>Gross Receipts</b>	<b>119.48</b>	<b>210.77</b>	<b>148.64</b>	<b>154.56</b>
<b>(B) Cost Items</b>					
	1. Seed	1.89	5.78	2.35	4.24
	2. Fertilizer	5.52	5.97	6.87	4.38
	3. Chemical	3.13	4.82	3.89	3.53
	4. Hail/Crop Insurance Premium	2.76	0.00	3.44	0.00
	5. Trucking and Marketing	0.17	0.00	0.21	0.00
	6. Fuel	2.64	3.00	3.28	2.20
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	6.93	5.02	8.62	3.68
	9. Repairs - Buildings	0.80	0.15	0.99	0.11
	10. Utilities and Miscellaneous	6.34	6.70	7.88	4.92
	11. Custom Work	2.38	2.53	2.96	1.86
	12. Operating Interest Paid	2.66	7.06	3.30	5.18
	13. Paid Labour	0.76	1.38	0.95	1.01
	14. Unpaid Labour	7.10	7.61	8.83	5.58
	<b>Variable Costs</b>	<b>43.07</b>	<b>50.03</b>	<b>53.57</b>	<b>36.69</b>
<b>(C)</b>	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00
	2. Taxes, Water Rates, License & Ins.	2.41	1.61	3.00	1.18
	3. Equipment and Building:				
	a) Depreciation	20.33	13.88	25.30	10.18
b) Lease Payments	0.00	0.00	0.00	0.00	
4. Paid Capital Interest	7.26	16.14	9.04	23.19	
	<b>Capital Costs</b>	<b>30.01</b>	<b>31.63</b>	<b>37.34</b>	<b>34.55</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>45.65</b>	<b>60.17</b>	<b>56.78</b>	<b>55.48</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>73.08</b>	<b>81.66</b>	<b>90.91</b>	<b>71.24</b>
	<b>Gross Margin (A-D)</b>	<b>73.84</b>	<b>150.60</b>	<b>91.86</b>	<b>99.08</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>53.50</b>	<b>136.72</b>	<b>66.56</b>	<b>88.91</b>
	<b>Return to Investment (A-E+C4)</b>	<b>53.67</b>	<b>145.26</b>	<b>66.76</b>	<b>106.52</b>
	<b>Return to Equity (A-E)</b>	<b>46.40</b>	<b>129.11</b>		

### Investment

Buildings	14.08	6.24
Machinery	191.57	129.18
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>964.32</b>	<b>1067.94</b>

### Management

Average Yield (Tonne/acre)	0.80	1.36
Expected Market Price (\$/Tonne)	128.79	135.34

## 2002 Crop Enterprise Analysis

*AgriProfit\$*

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

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	156.21	--	171.86	--
	2. Crop Insurance Receipts	20.14	--	22.15	--
	3. Other Receipts	8.62	--	9.49	--
<b>Gross Receipts</b>		<b>184.96</b>	<b>0.00</b>	<b>203.50</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	0.00	--	0.00	--
	2. Fertilizer	9.33	--	10.27	--
	3. Chemical	0.00	--	0.00	--
	4. Hail/Crop Insurance Premium	4.17	--	4.59	--
	5. Trucking and Marketing	0.67	--	0.73	--
	6. Fuel	4.53	--	4.98	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	10.58	--	11.65	--
	9. Repairs - Buildings	0.53	--	0.58	--
	10. Utilities and Miscellaneous	4.48	--	4.92	--
	11. Custom Work	1.75	--	1.92	--
	12. Operating Interest Paid	0.24	--	0.26	--
	13. Paid Labour	3.01	--	3.31	--
	14. Unpaid Labour	10.35	--	11.39	--
<b>Variable Costs</b>		<b>49.64</b>	<b>0.00</b>	<b>54.61</b>	<b>0.00</b>
<b>(C)</b>	1. Cash/ Share Land Rent	33.52	--	36.88	--
	2. Taxes, Water Rates, License & Ins.	0.51	--	0.57	--
	3. Equipment and Building: a) Depreciation	24.13	--	26.55	--
	b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	3.31	--	3.65	--
<b>Capital Costs</b>		<b>61.47</b>	<b>0.00</b>	<b>67.64</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>76.63</b>	--	<b>84.31</b>	--
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>111.11</b>	--	<b>122.25</b>	--
	<b>Gross Margin (A-D)</b>	<b>108.34</b>	--	<b>119.19</b>	--
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>84.21</b>	--	<b>92.65</b>	--
	<b>Return to Investment (A-E+C4)</b>	<b>77.17</b>	--	<b>84.90</b>	--
	<b>Return to Equity (A-E)</b>	<b>73.85</b>	--		--

**Investment**

Buildings	26.06	--
Machinery	234.40	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>260.46</b>	--

**Management**

Average Yield (Tonne/acre)	0.91	--
Expected Market Price (\$/Tonne)	171.86	--

## 2002 Crop Enterprise Analysis

*AgriProfit\$*

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

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	72.93	--	151.25	--
	2. Crop Insurance Receipts	1.39	--	2.89	--
	3. Other Receipts	7.08	--	14.69	--
<b>Gross Receipts</b>		<b>81.41</b>	<b>0.00</b>	<b>168.83</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	0.00	--	0.00	--
	2. Fertilizer	6.30	--	13.06	--
	3. Chemical	7.24	--	15.02	--
	4. Hail/Crop Insurance Premium	1.26	--	2.60	--
	5. Trucking and Marketing	0.12	--	0.26	--
	6. Fuel	3.81	--	7.90	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	8.23	--	17.06	--
	9. Repairs - Buildings	0.15	--	0.32	--
	10. Utilities and Miscellaneous	4.75	--	9.84	--
	11. Custom Work	1.17	--	2.43	--
	12. Operating Interest Paid	5.40	--	11.20	--
	13. Paid Labour	2.60	--	5.39	--
	14. Unpaid Labour	10.17	--	21.09	--
<b>Variable Costs</b>		<b>51.20</b>	<b>0.00</b>	<b>106.17</b>	<b>0.00</b>
<b>(C)</b>	1. Cash/ Share Land Rent	27.31	--	56.63	--
	2. Taxes, Water Rates, License & Ins.	2.15	--	4.46	--
	3. Equipment and Building: a) Depreciation	19.48	--	40.40	--
	b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	4.51	--	9.35	--
<b>Capital Costs</b>		<b>53.45</b>	<b>0.00</b>	<b>110.85</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>74.99</b>	--	<b>155.52</b>	--
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>104.65</b>	--	<b>217.02</b>	--
	<b>Gross Margin (A-D)</b>	<b>6.42</b>	--	<b>13.31</b>	--
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>(13.07)</b>	--	<b>(27.10)</b>	--
	<b>Return to Investment (A-E+C4)</b>	<b>(18.73)</b>	--	<b>(38.84)</b>	--
	<b>Return to Equity (A-E)</b>	<b>(23.24)</b>	--	<b>(48.18)</b>	--

**Investment**

Buildings	15.91	--
Machinery	185.74	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>518.52</b>	--

**Management**

Average Yield (Tonne/acre)	0.48	--
Expected Market Price (\$/Tonne)	151.25	--

## 2002 Crop Enterprise Analysis

*AgriProfit\$*

Crop: **Mixed Grass Hay - Own**  
 Soil Zone: **Grey Wooded - Dryland**  
 Unit: **Tonne**

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	24.95	--	169.42	--
	2. Crop Insurance Receipts	3.91	--	26.54	--
	3. Other Receipts	19.88	--	135.03	--
<b>Gross Receipts</b>		<b>48.74</b>	<b>0.00</b>	<b>331.00</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	0.00	--	0.00	--
	2. Fertilizer	8.96	--	60.86	--
	3. Chemical	0.00	--	0.00	--
	4. Hail/Crop Insurance Premium	3.52	--	23.92	--
	5. Trucking and Marketing	0.35	--	2.36	--
	6. Fuel	2.87	--	19.48	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	3.26	--	22.11	--
	9. Repairs - Buildings	0.43	--	2.93	--
	10. Utilities and Miscellaneous	2.44	--	16.55	--
	11. Custom Work	3.30	--	22.38	--
	12. Operating Interest Paid	0.61	--	4.11	--
	13. Paid Labour	0.57	--	3.86	--
14. Unpaid Labour	5.21	--	35.39	--	
<b>Variable Costs</b>		<b>31.51</b>	<b>0.00</b>	<b>213.97</b>	<b>0.00</b>
<b>(C)</b>	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	3.42	--	23.21	--
	3. Equipment and Building:				
	a) Depreciation	24.29	--	164.97	--
b) Lease Payments	0.00	--	0.00	--	
4. Paid Capital Interest	1.33	--	9.06	--	
<b>Capital Costs</b>		<b>29.04</b>	<b>0.00</b>	<b>197.24</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>31.05</b>	--	<b>210.84</b>	--
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>60.55</b>	--	<b>411.21</b>	--
	<b>Gross Margin (A-D)</b>	<b>17.69</b>	--	<b>120.15</b>	--
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>(6.60)</b>	--	<b>(44.82)</b>	--
	<b>Return to Investment (A-E+C4)</b>	<b>(10.48)</b>	--	<b>(71.15)</b>	--
	<b>Return to Equity (A-E)</b>	<b>(11.81)</b>	--	<b>(80.21)</b>	--

### Investment

Buildings	15.13	--
Machinery	234.19	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>1138.59</b>	--

### Management

Average Yield	(Tonne/acre)	0.15	--
Expected Market Price	(\$/Tonne)	169.42	--

## 2002 Crop Enterprise Analysis

*AgriProfit\$*

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

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	97.12	122.09	73.83	68.68
	2. Crop Insurance Receipts	72.63	142.40	55.21	80.10
	3. Other Receipts	1.46	1.08	1.11	0.61
	<b>Gross Receipts</b>	<b>171.22</b>	<b>265.57</b>	<b>130.15</b>	<b>149.38</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	17.96	19.16	13.65	10.78
	2. Fertilizer	29.59	35.92	22.49	20.20
	3. Chemical	11.69	13.57	8.89	7.63
	4. Hail/Crop Insurance Premium	7.27	7.98	5.53	4.49
	5. Trucking and Marketing	0.72	0.69	0.55	0.39
	6. Fuel	8.73	7.41	6.64	4.17
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	19.55	14.69	14.86	8.26
	9. Repairs - Buildings	1.93	2.46	1.47	1.38
	10. Utilities and Miscellaneous	7.44	8.27	5.66	4.65
	11. Custom Work	27.08	47.45	20.58	26.69
	12. Operating Interest Paid	1.69	2.92	1.29	1.64
	13. Paid Labour	6.76	6.52	5.14	3.67
	14. Unpaid Labour	3.89	2.21	2.95	1.24
	<b>Variable Costs</b>	<b>144.29</b>	<b>169.26</b>	<b>109.68</b>	<b>95.21</b>
<b>(C)</b>	<b>Capital Costs</b>				
	1. Cash/ Share Land Rent	1.14	0.00	0.86	0.00
	2. Taxes, Water Rates, License & Ins.	6.56	8.35	4.98	4.70
	3. Equipment and Building: a) Depreciation	15.02	8.64	11.41	4.86
	b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	5.55	4.72	4.22	12.21
	<b>Capital Costs</b>	<b>28.26</b>	<b>21.71</b>	<b>21.48</b>	<b>21.77</b>
<b>(D)</b>	<b>Cash Costs</b> (B+C-B14-C3a)	<b>153.65</b>	<b>180.12</b>	<b>116.79</b>	<b>110.87</b>
<b>(E)</b>	<b>Total Production Costs</b> (B+C)	<b>172.55</b>	<b>190.97</b>	<b>131.16</b>	<b>116.98</b>
	<b>Gross Margin</b> (A-D)	<b>17.57</b>	<b>85.45</b>	<b>13.36</b>	<b>38.51</b>
	<b>Return to Unpaid Labour</b> (A-E+B14)	<b>2.55</b>	<b>76.81</b>	<b>1.94</b>	<b>33.65</b>
	<b>Return to Investment</b> (A-E+C4)	<b>4.22</b>	<b>79.32</b>	<b>3.21</b>	<b>44.62</b>
	<b>Return to Equity</b> (A-E)	<b>(1.33)</b>	<b>74.60</b>	<b>(1.01)</b>	

### Investment

Buildings	41.14	50.69
Machinery	131.57	65.27
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>616.09</b>	<b>646.69</b>

### Management

Average Yield (Tonne/acre)	1.32	1.78
Expected Market Price (\$/Tonne)	73.83	68.68

## 2002 Crop Enterprise Analysis

*AgriProfit\$*

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

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	99.82	122.09	72.44	68.68
	2. Crop Insurance Receipts	77.84	142.40	56.49	80.10
	3. Other Receipts	1.57	1.08	1.14	0.61
<b>Gross Receipts</b>		<b>179.23</b>	<b>265.57</b>	<b>130.06</b>	<b>149.38</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	18.32	19.16	13.29	10.78
	2. Fertilizer	30.44	35.92	22.09	20.20
	3. Chemical	12.53	13.57	9.09	7.63
	4. Hail/Crop Insurance Premium	7.79	7.98	5.66	4.49
	5. Trucking and Marketing	0.77	0.69	0.56	0.39
	6. Fuel	8.72	7.41	6.33	4.17
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	19.01	14.69	13.79	8.26
	9. Repairs - Buildings	1.91	2.46	1.38	1.38
	10. Utilities and Miscellaneous	7.68	8.27	5.57	4.65
	11. Custom Work	28.72	47.45	20.84	26.69
	12. Operating Interest Paid	1.81	2.92	1.32	1.64
	13. Paid Labour	7.24	6.52	5.25	3.67
	14. Unpaid Labour	3.46	2.21	2.51	1.24
<b>Variable Costs</b>		<b>148.39</b>	<b>169.26</b>	<b>107.68</b>	<b>95.21</b>
<b>(C)</b>	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00
	2. Taxes, Water Rates, License & Ins.	6.77	8.35	4.91	4.70
	3. Equipment and Building: a) Depreciation	14.19	8.64	10.30	4.86
	b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	5.64	4.72	4.09	12.21
<b>Capital Costs</b>		<b>26.60</b>	<b>21.71</b>	<b>19.30</b>	<b>21.77</b>
<b>(D)</b>	<b>Cash Costs</b>	<b>157.34</b>	<b>180.12</b>	<b>114.18</b>	<b>110.87</b>
<b>(E)</b>	<b>Total Production Costs</b>	<b>174.99</b>	<b>190.97</b>	<b>126.99</b>	<b>116.98</b>
	<b>Gross Margin</b>	<b>21.89</b>	<b>85.45</b>	<b>15.89</b>	<b>38.51</b>
	<b>Return to Unpaid Labour</b>	<b>7.70</b>	<b>76.81</b>	<b>5.59</b>	<b>33.65</b>
	<b>Return to Investment</b>	<b>9.88</b>	<b>79.32</b>	<b>7.17</b>	<b>44.62</b>
	<b>Return to Equity</b>	<b>4.24</b>	<b>74.60</b>		

**Investment**

Buildings	41.59	50.69
Machinery	123.45	65.27
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>640.22</b>	<b>646.69</b>

**Management**

Average Yield (Tonne/acre)	1.38	1.78
Expected Market Price (\$/Tonne)	72.44	68.68

## 2002 Crop Enterprise Analysis

*AgriProfit\$*

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

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	129.77	190.86	39.90	47.10
	2. Crop Insurance Receipts	61.83	25.73	19.01	6.35
	3. Other Receipts	7.33	14.84	2.25	3.66
<b>Gross Receipts</b>		<b>198.93</b>	<b>231.43</b>	<b>61.16</b>	<b>57.11</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	13.16	10.27	4.05	2.53
	2. Fertilizer	29.05	27.75	8.93	6.85
	3. Chemical	7.34	3.39	2.26	0.84
	4. Hail/Crop Insurance Premium	5.48	3.89	1.68	0.96
	5. Trucking and Marketing	0.40	0.00	0.12	0.00
	6. Fuel	8.93	8.70	2.74	2.15
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	12.84	6.34	3.95	1.57
	9. Repairs - Buildings	0.73	0.35	0.23	0.09
	10. Utilities and Miscellaneous	5.57	4.59	1.71	1.13
	11. Custom Work	16.94	16.96	5.21	4.19
	12. Operating Interest Paid	2.99	4.35	0.92	1.07
	13. Paid Labour	6.54	5.04	2.01	1.24
	14. Unpaid Labour	4.93	5.32	1.52	1.31
<b>Variable Costs</b>		<b>114.89</b>	<b>96.96</b>	<b>35.32</b>	<b>23.93</b>
<b>(C)</b>	1. Cash/ Share Land Rent	13.93	14.32	4.28	3.53
	2. Taxes, Water Rates, License & Ins.	2.64	0.97	0.81	0.24
	3. Equipment and Building: a) Depreciation	14.97	13.16	4.60	3.25
	b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	5.94	5.65	1.83	8.42
<b>Capital Costs</b>		<b>37.49</b>	<b>34.10</b>	<b>11.52</b>	<b>15.44</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>132.47</b>	<b>112.58</b>	<b>40.73</b>	<b>34.80</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>152.37</b>	<b>131.06</b>	<b>46.85</b>	<b>39.36</b>
	<b>Gross Margin (A-D)</b>	<b>66.46</b>	<b>118.85</b>	<b>20.43</b>	<b>22.31</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>51.49</b>	<b>105.69</b>	<b>15.83</b>	<b>19.06</b>
	<b>Return to Investment (A-E+C4)</b>	<b>52.50</b>	<b>106.03</b>	<b>16.14</b>	<b>26.17</b>
	<b>Return to Equity (A-E)</b>	<b>46.56</b>	<b>100.37</b>		

### Investment

Buildings	19.94	12.25
Machinery	139.87	124.70
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>451.96</b>	<b>466.11</b>

### Management

Average Yield (Tonne/acre)	3.25	4.05
Expected Market Price (\$/Tonne)	39.90	47.10

## 2002 Crop Enterprise Analysis

*AgriProfit\$*

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

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	113.21	189.85	35.97	45.19
	2. Crop Insurance Receipts	82.55	29.06	26.23	6.92
	3. Other Receipts	9.98	22.38	3.17	5.33
	<b>Gross Receipts</b>	<b>205.74</b>	<b>241.29</b>	<b>65.37</b>	<b>57.44</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	15.33	9.30	4.87	2.21
	2. Fertilizer	29.59	29.22	9.40	6.95
	3. Chemical	9.58	7.07	3.04	1.68
	4. Hail/Crop Insurance Premium	6.55	2.01	2.08	0.48
	5. Trucking and Marketing	0.47	0.00	0.15	0.00
	6. Fuel	7.64	6.42	2.43	1.53
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	12.99	6.21	4.13	1.48
	9. Repairs - Buildings	0.88	0.27	0.28	0.06
	10. Utilities and Miscellaneous	5.76	5.52	1.83	1.31
	11. Custom Work	18.24	3.22	5.80	0.77
	12. Operating Interest Paid	2.06	3.31	0.65	0.79
	13. Paid Labour	8.76	5.25	2.78	1.25
	14. Unpaid Labour	3.90	6.02	1.24	1.43
	<b>Variable Costs</b>	<b>121.74</b>	<b>83.81</b>	<b>38.68</b>	<b>19.95</b>
<b>(C)</b>	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00
	2. Taxes, Water Rates, License & Ins.	3.69	1.62	1.17	0.39
	3. Equipment and Building: a) Depreciation	13.23	13.47	4.20	3.21
	b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	7.18	10.01	2.28	5.98
	<b>Capital Costs</b>	<b>24.10</b>	<b>25.10</b>	<b>7.66</b>	<b>9.57</b>
<b>(D)</b>	<b>Cash Costs</b>	<b>128.72</b>	<b>89.42</b>	<b>40.90</b>	<b>24.88</b>
<b>(E)</b>	<b>Total Production Costs</b>	<b>145.85</b>	<b>108.91</b>	<b>46.34</b>	<b>29.52</b>
	<i>Gross Margin</i>	<i>(A-D)</i>	<i>77.02</i>	<i>151.86</i>	<i>24.47</i>
	<i>Return to Unpaid Labour</i>	<i>(A-E+B14)</i>	<i>63.79</i>	<i>138.39</i>	<i>20.27</i>
	<i>Return to Investment</i>	<i>(A-E+C4)</i>	<i>67.07</i>	<i>142.38</i>	<i>21.31</i>
	<i>Return to Equity</i>	<i>(A-E)</i>	<i>59.89</i>	<i>132.37</i>	<i>33.89</i>

### Investment

Buildings	23.02	7.72
Machinery	122.28	127.10
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>750.41</b>	<b>955.84</b>

### Management

Average Yield	(Tonne/acre)	3.15	4.20
Expected Market Price	(\$/Tonne)	35.97	45.19

## 2002 Crop Enterprise Analysis

*AgriProfit\$*

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

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	145.23	205.14	43.34	48.60
	2. Crop Insurance Receipts	42.49	13.34	12.68	3.16
	3. Other Receipts	4.87	8.92	1.45	2.11
	<b>Gross Receipts</b>	<b>192.58</b>	<b>227.40</b>	<b>57.47</b>	<b>53.87</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	11.13	10.12	3.32	2.40
	2. Fertilizer	28.54	29.57	8.52	7.01
	3. Chemical	5.24	1.96	1.56	0.46
	4. Hail/Crop Insurance Premium	4.48	3.62	1.34	0.86
	5. Trucking and Marketing	0.34	0.00	0.10	0.00
	6. Fuel	10.13	11.18	3.02	2.65
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	12.71	6.19	3.79	1.47
	9. Repairs - Buildings	0.60	0.34	0.18	0.08
	10. Utilities and Miscellaneous	5.39	5.21	1.61	1.23
	11. Custom Work	15.73	20.85	4.69	4.94
	12. Operating Interest Paid	3.85	6.64	1.15	1.57
	13. Paid Labour	4.47	3.42	1.33	0.81
	14. Unpaid Labour	5.89	6.25	1.76	1.48
	<b>Variable Costs</b>	<b>108.49</b>	<b>105.34</b>	<b>32.37</b>	<b>24.95</b>
<b>(C)</b>	1. Cash/ Share Land Rent	26.94	25.71	8.04	6.09
	2. Taxes, Water Rates, License & Ins.	1.65	0.87	0.49	0.21
	3. Equipment and Building: a) Depreciation	16.60	13.28	4.95	3.15
	b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	4.79	3.79	1.43	10.34
	<b>Capital Costs</b>	<b>49.98</b>	<b>43.65</b>	<b>14.91</b>	<b>19.78</b>
<b>(D)</b>	<b>Cash Costs</b>	<b>135.97</b>	<b>129.46</b>	<b>40.58</b>	<b>40.11</b>
<b>(E)</b>	<b>Total Production Costs</b>	<b>158.47</b>	<b>148.99</b>	<b>47.29</b>	<b>44.74</b>
	<b>Gross Margin</b>	<b>56.61</b>	<b>97.94</b>	<b>16.89</b>	<b>13.76</b>
	<b>Return to Unpaid Labour</b>	<b>40.01</b>	<b>84.65</b>	<b>11.94</b>	<b>10.61</b>
	<b>Return to Investment</b>	<b>38.90</b>	<b>82.20</b>	<b>11.61</b>	<b>19.47</b>
	<b>Return to Equity</b>	<b>34.12</b>	<b>78.41</b>		

### Investment

Buildings	17.08	12.33
Machinery	156.29	125.10
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>173.37</b>	<b>137.43</b>

### Management

Average Yield	(Tonne/acre)	3.35	4.22
Expected Market Price	(\$/Tonne)	43.34	48.60

## 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 feed barley 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 feed barley yield range in the Grey-Wooded soil zone. From these charts a lot can be interpreted about yield performance:

- The low is 0 bushels per acre and the high is greater than 70 bushels per acre, and
- Over 90% of the feed barley fields in the black soil zone yield more than 40 bushels per acre

This detailed information provides a better understanding of yield variability. The average yield is 41.92 bushels per acre as listed on page 12 of the feed barley 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 feed barley was \$3 per bushel, then 50% of the fields are covering their cash costs and 30% 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.

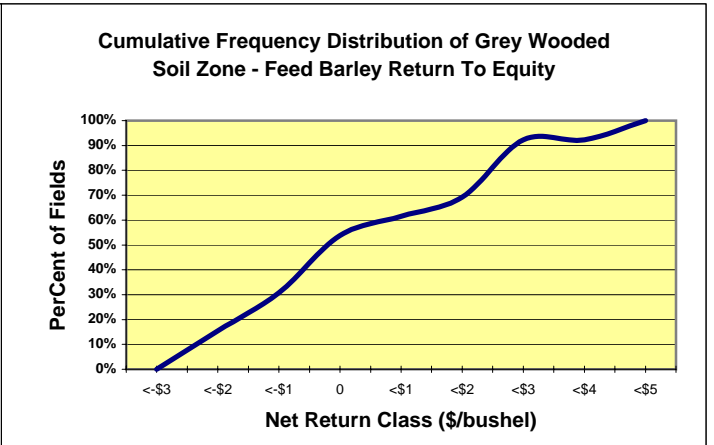
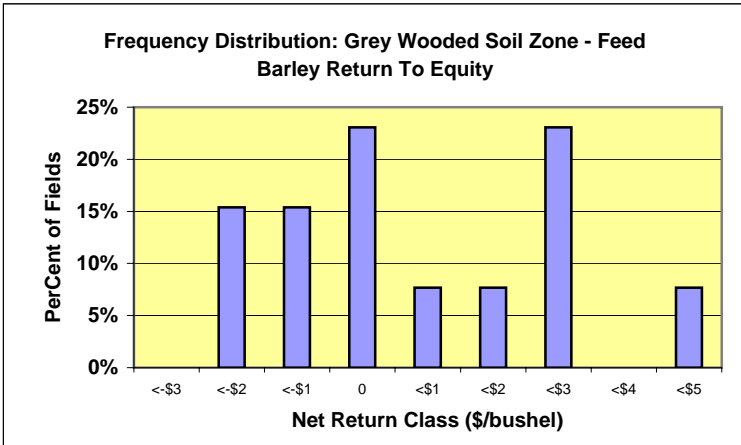
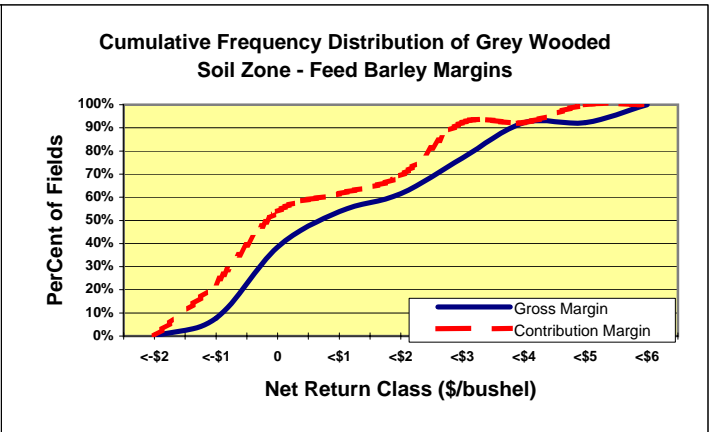
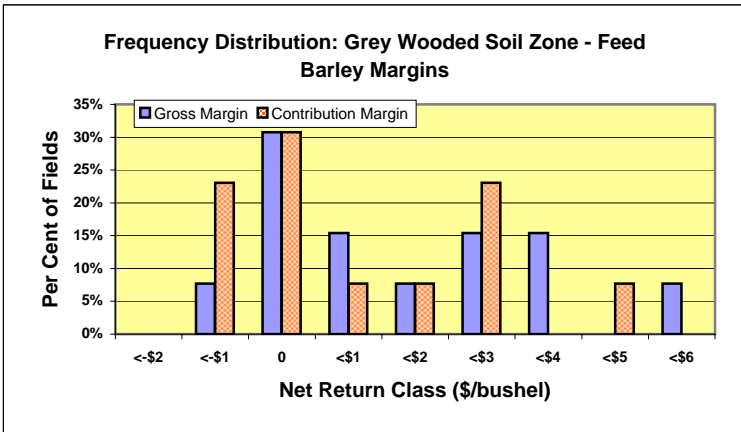
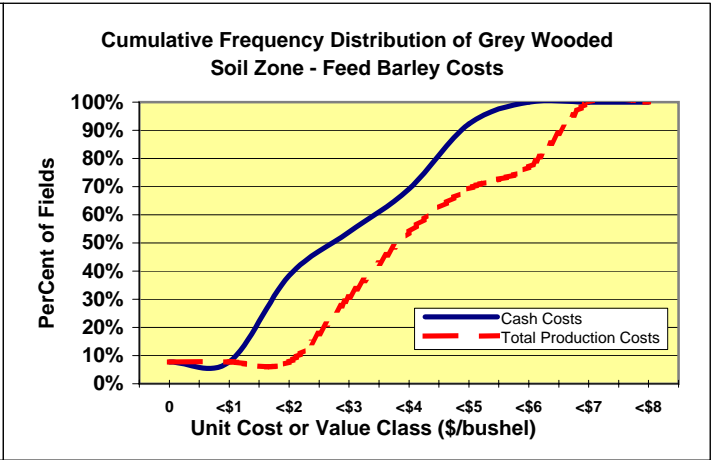
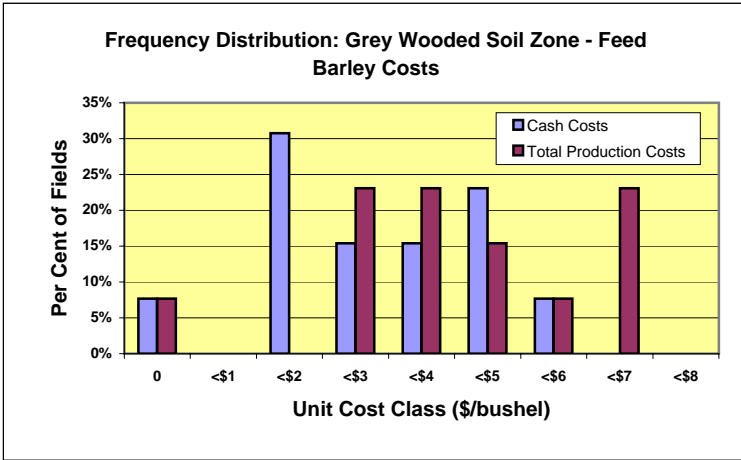
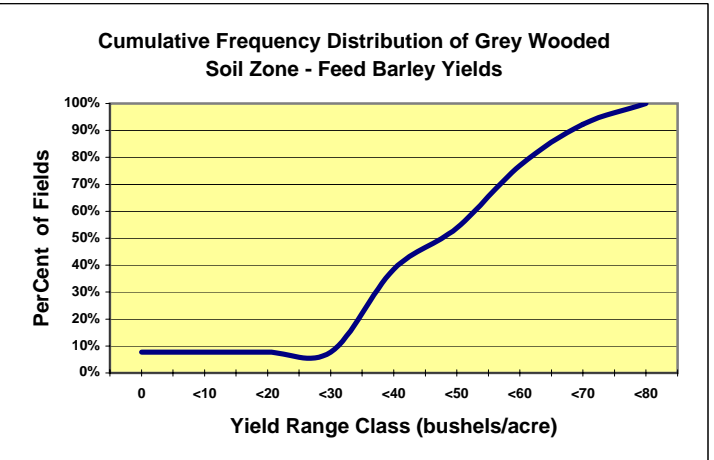
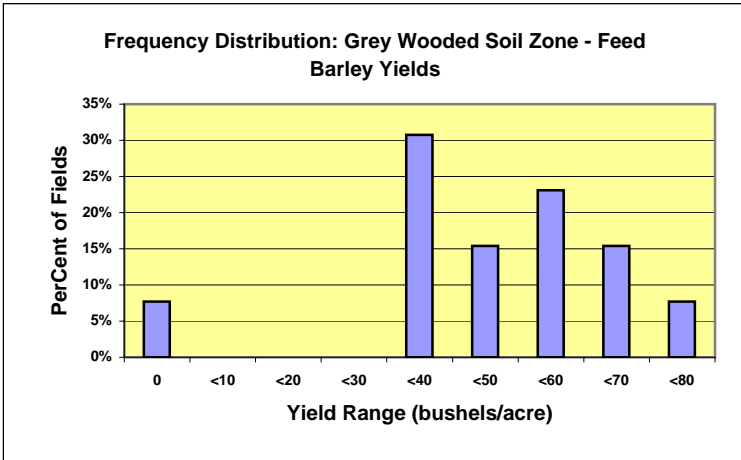
The third set of graphs highlights contribution and gross margins. Contribution margin is the return over variable costs, which are a combination of variable cash and non-cash (unpaid labour) costs. It is the best single indicator of profitability at the individual field level and it is used to compare 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 30% of the fields had a loss and 70% of the fields at least 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.

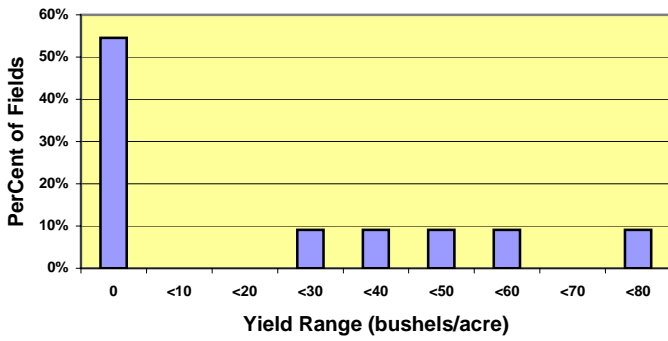
Understanding these concepts in *AgriProfit\$* and evaluating historical performance on a per bushel basis can be very useful for other AAFRD applications. For example, [CropChoice\\$](#) is a tool that combines traditional crop planning with the ability to measure the riskiness of your plan. Producers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

# Grey Wooded Soil Zone - Feed Barley: 2002

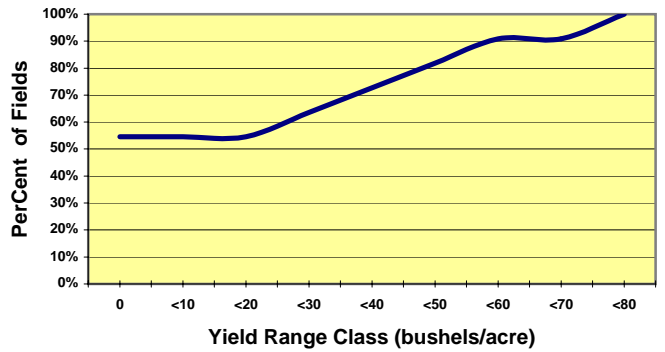


# Grey Wooded Soil Zone - Oats: 2002

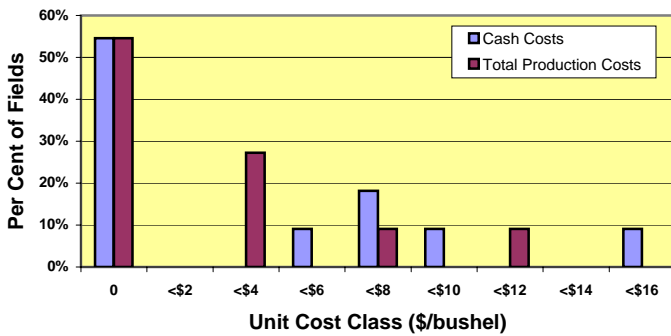
Frequency Distribution: Grey Wooded Soil Zone - Oats Yields



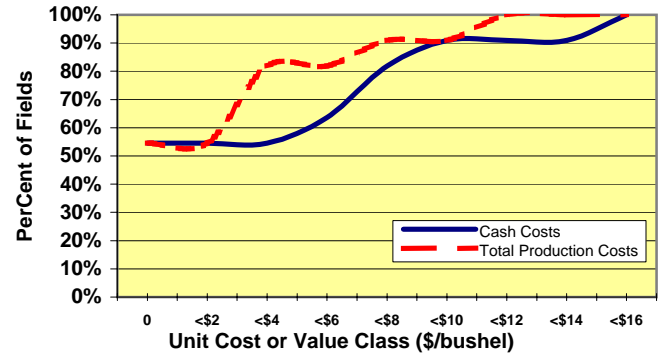
Cumulative Frequency Distribution of Grey Wooded Soil Zone - Oats Yields



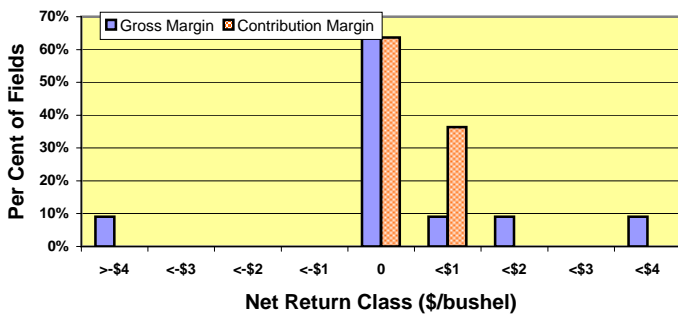
Frequency Distribution: Grey Wooded Soil Zone - Oats Costs



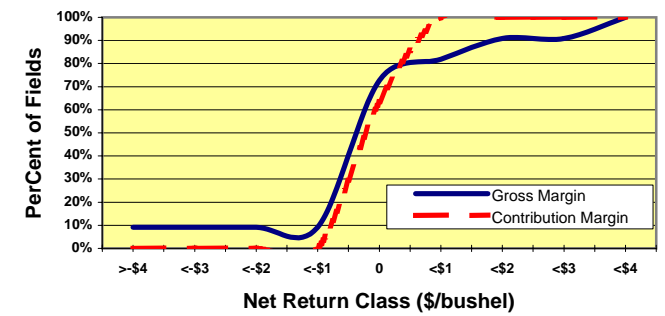
Cumulative Frequency Distribution of Grey Wooded Soil Zone - Oats Costs



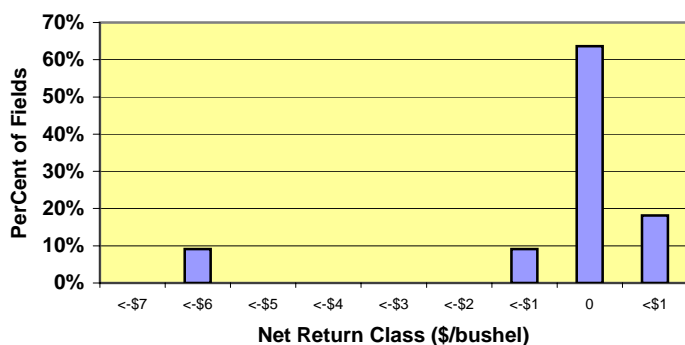
Frequency Distribution: Grey Wooded Soil Zone - Oats Margins



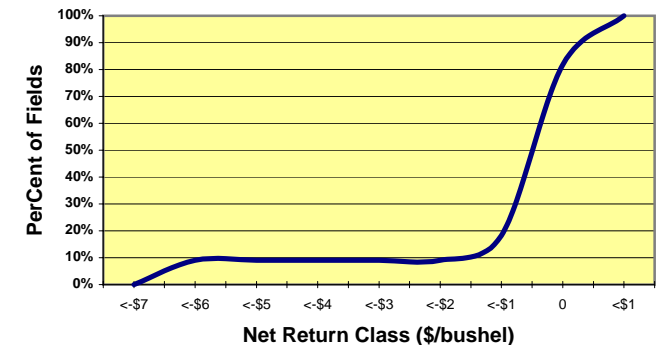
Cumulative Frequency Distribution of Grey Wooded Soil Zone - Oats Margins



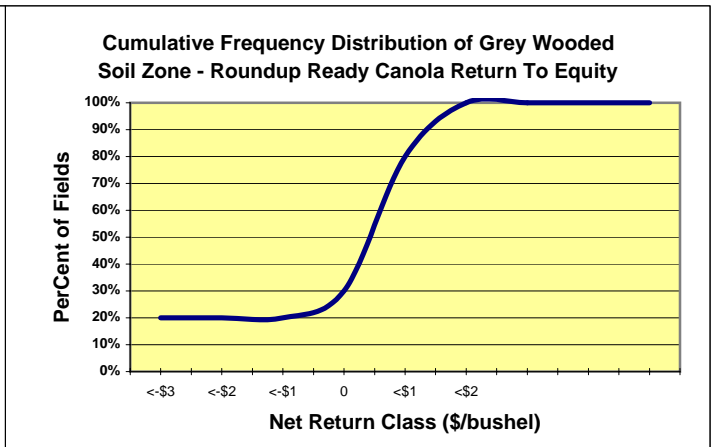
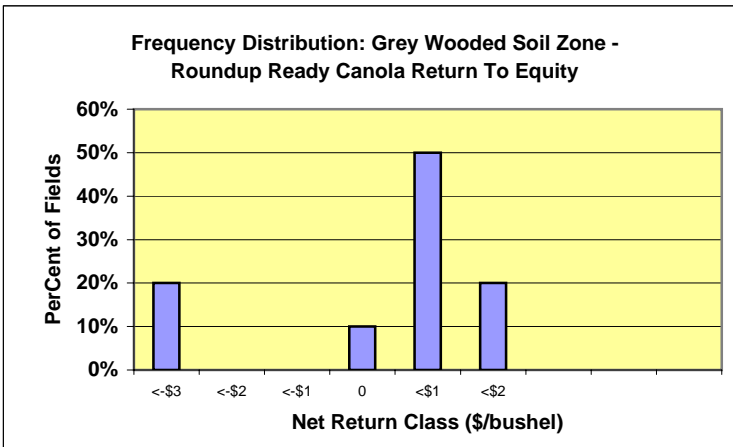
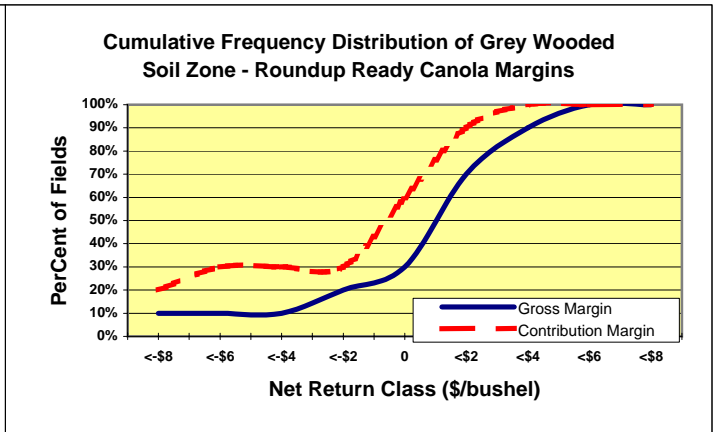
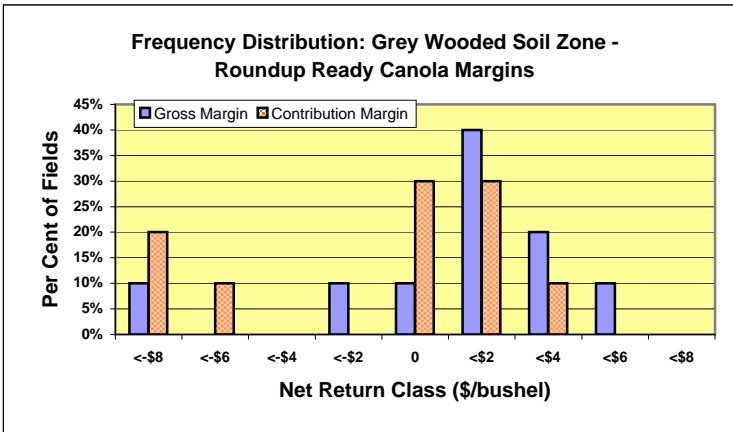
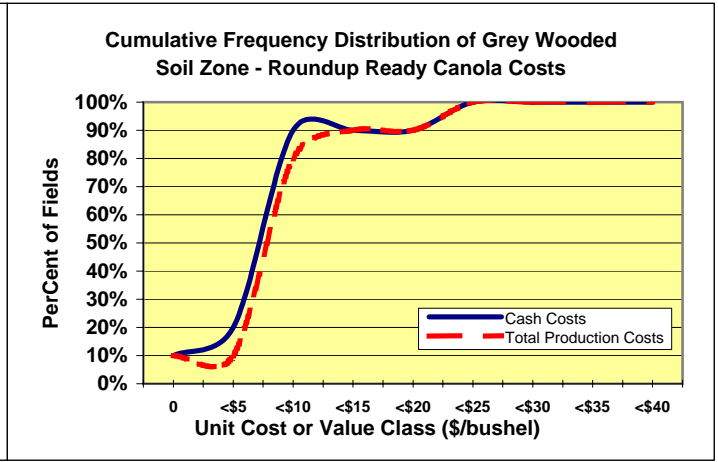
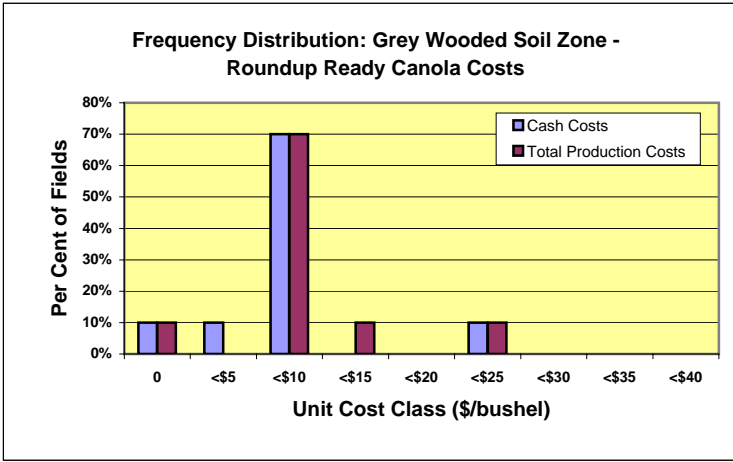
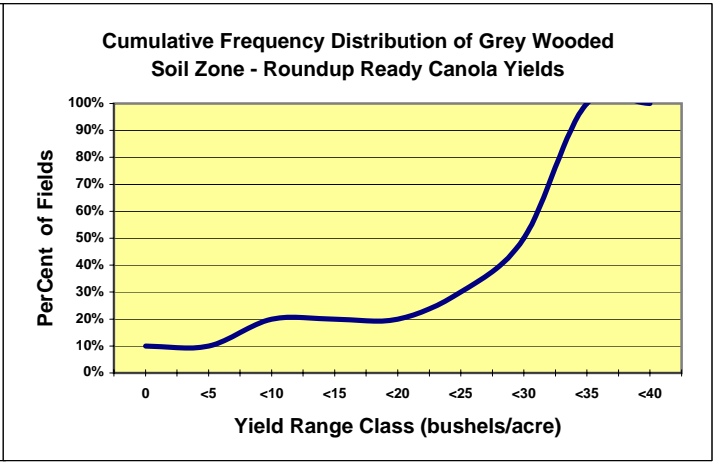
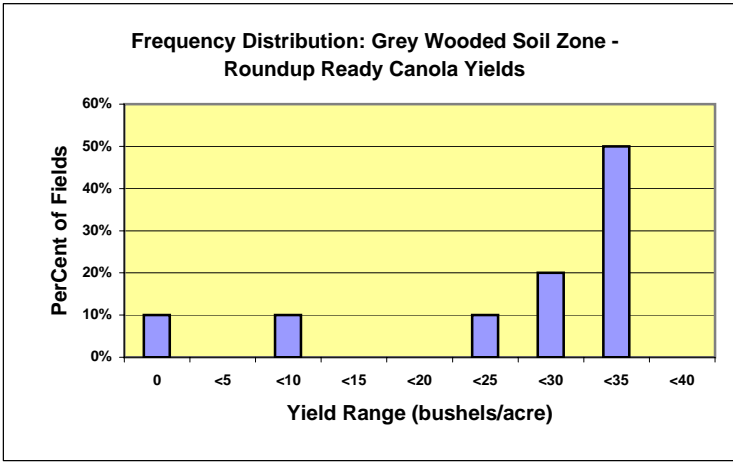
Frequency Distribution: Grey Wooded Soil Zone - Oats Return To Equity

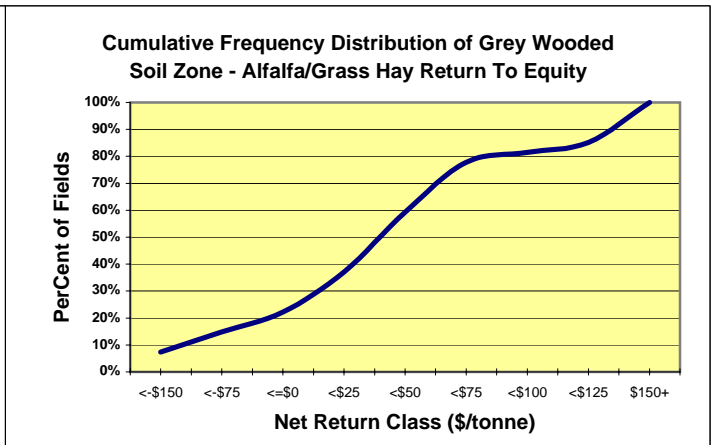
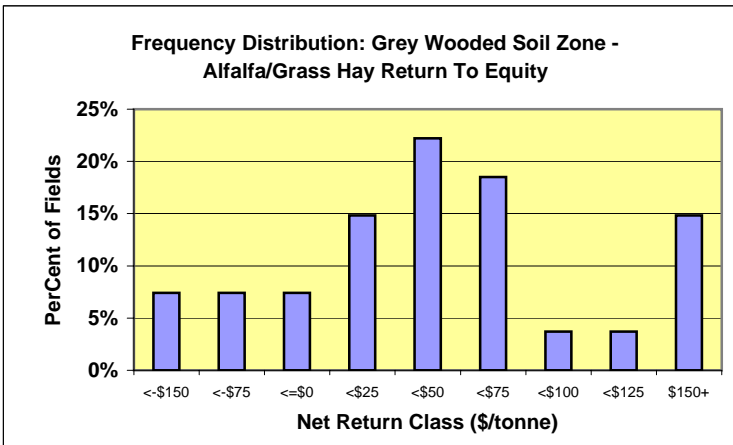
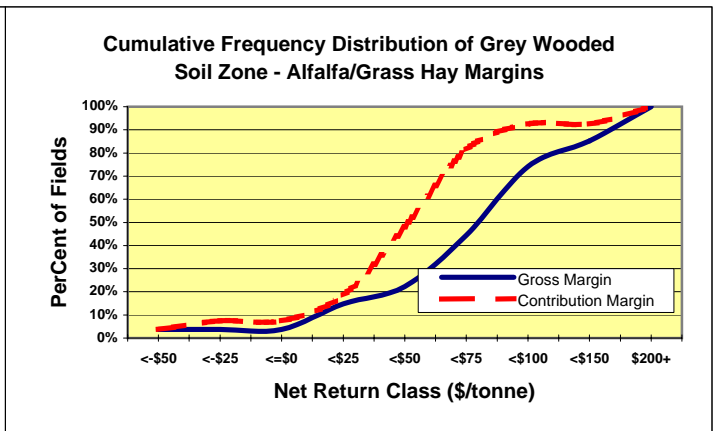
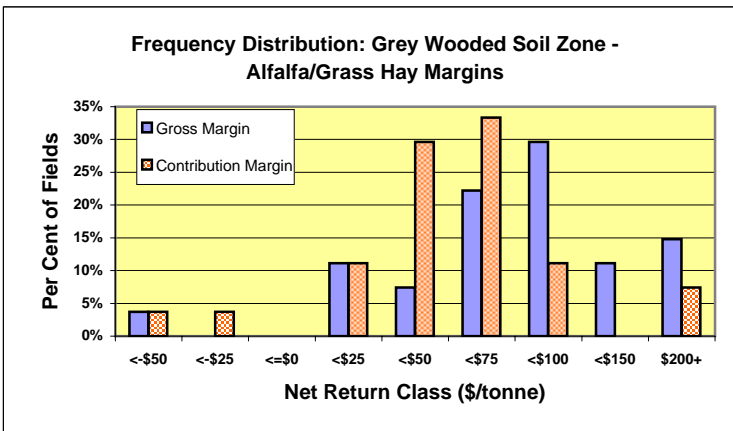
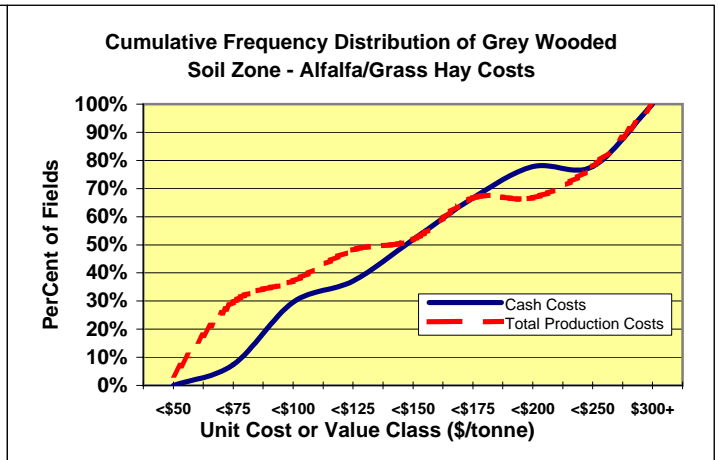
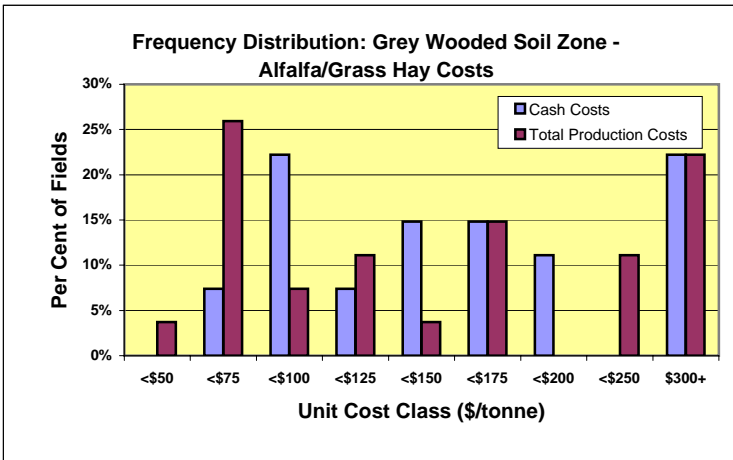
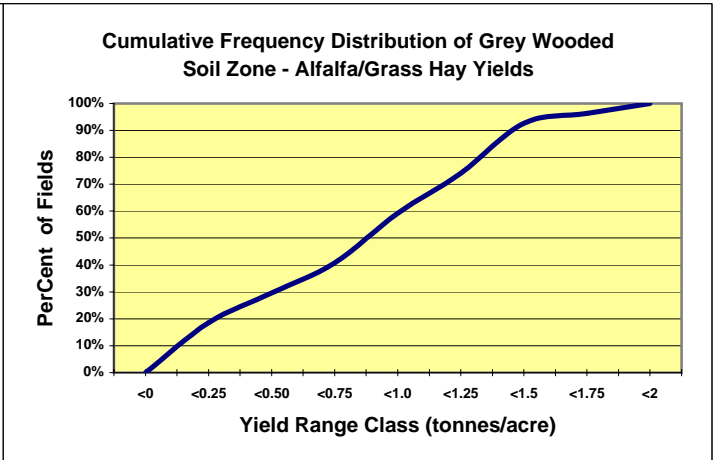
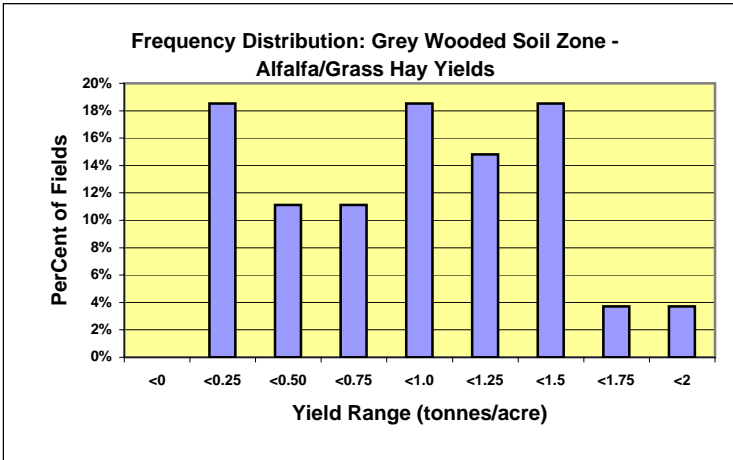


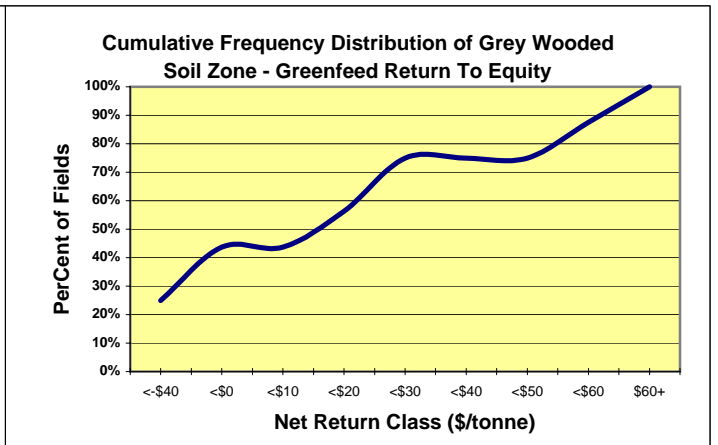
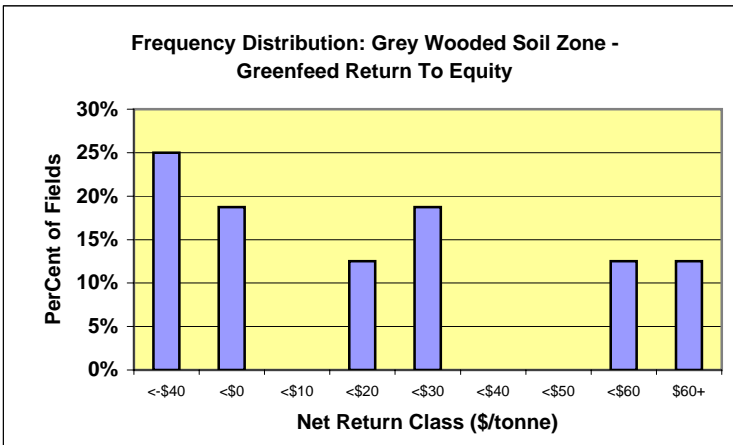
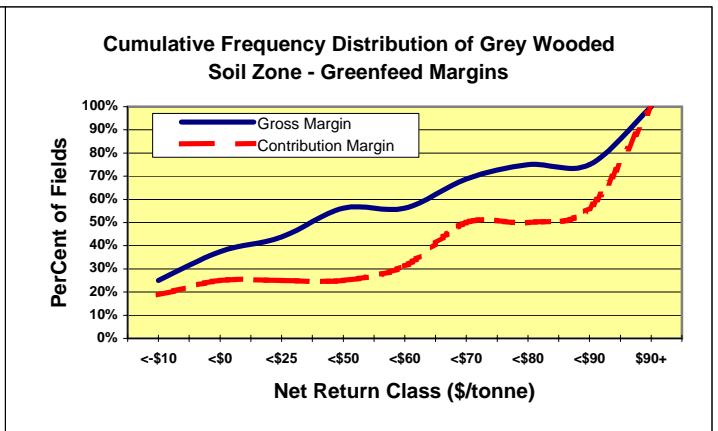
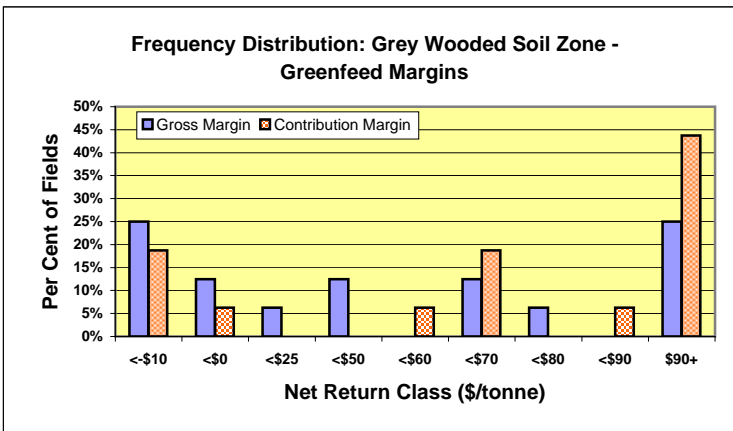
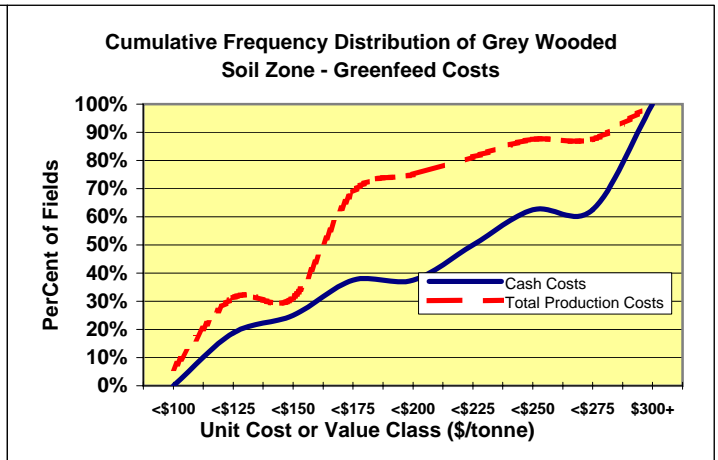
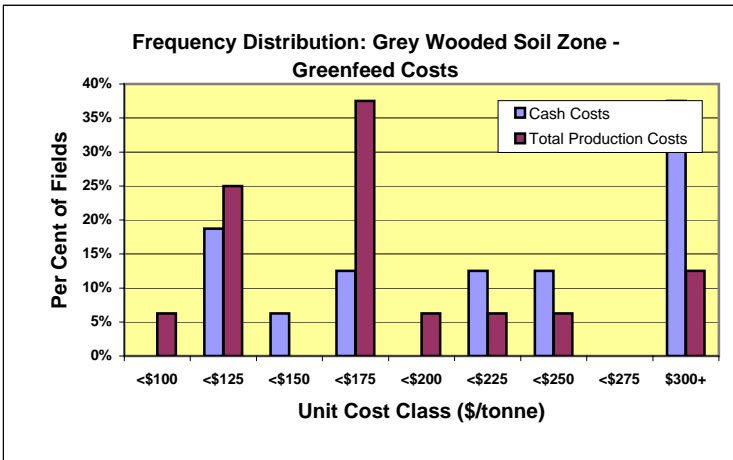
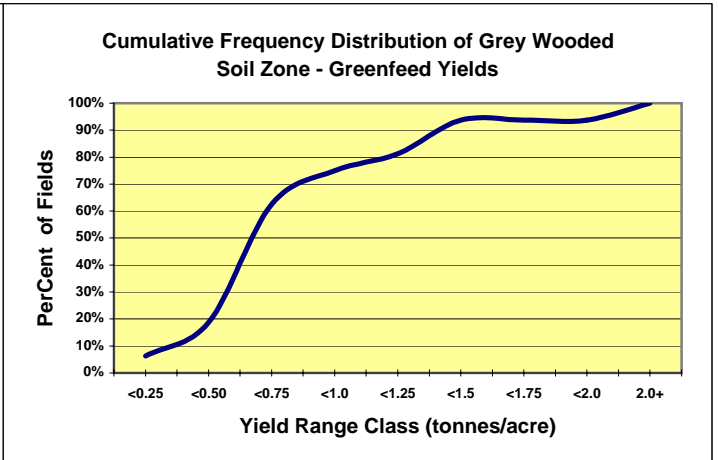
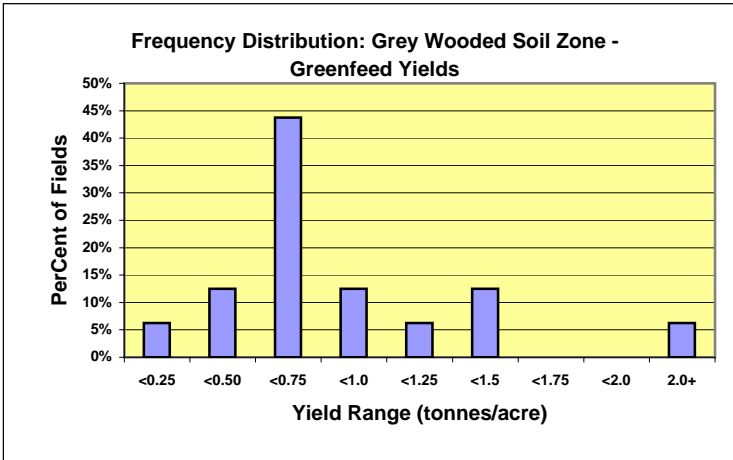
Cumulative Frequency Distribution of Grey Wooded Soil Zone - Oats Return To Equity

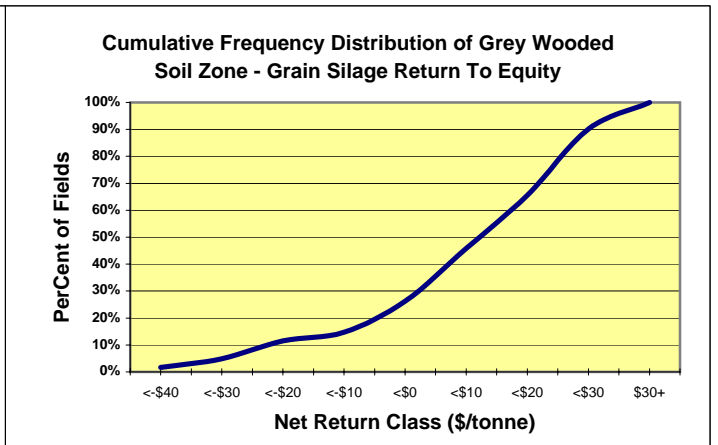
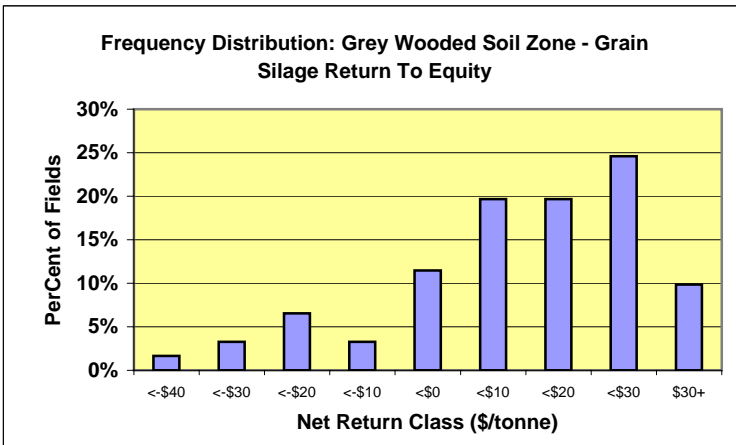
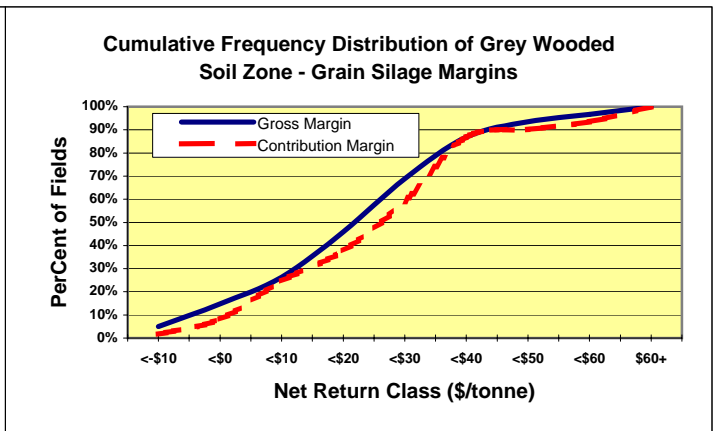
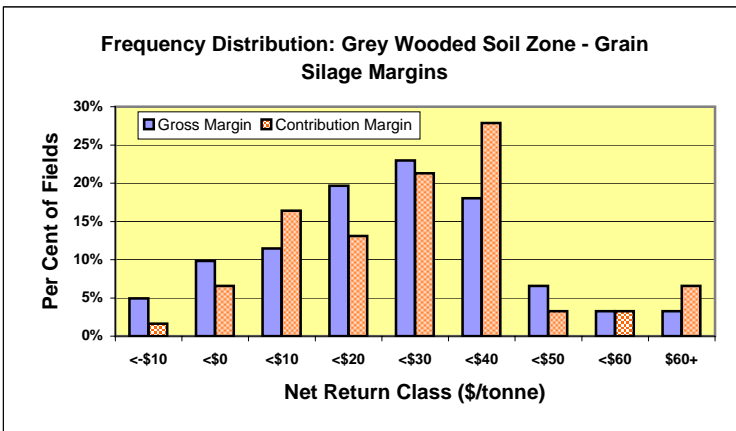
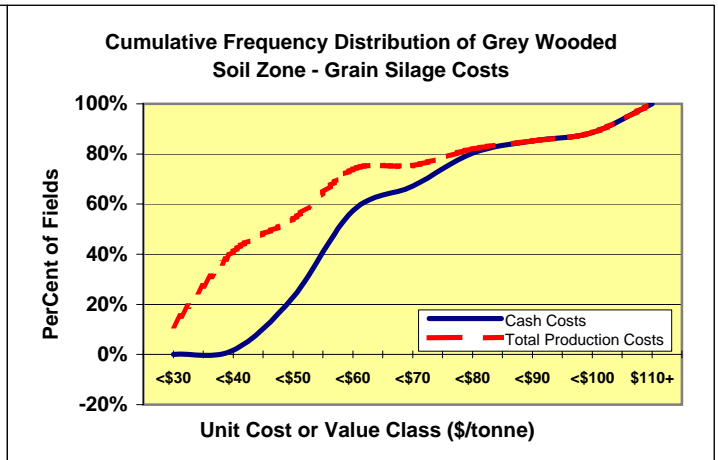
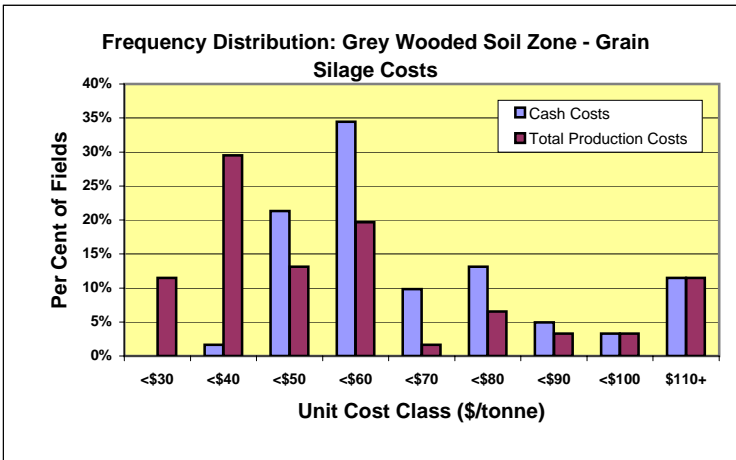
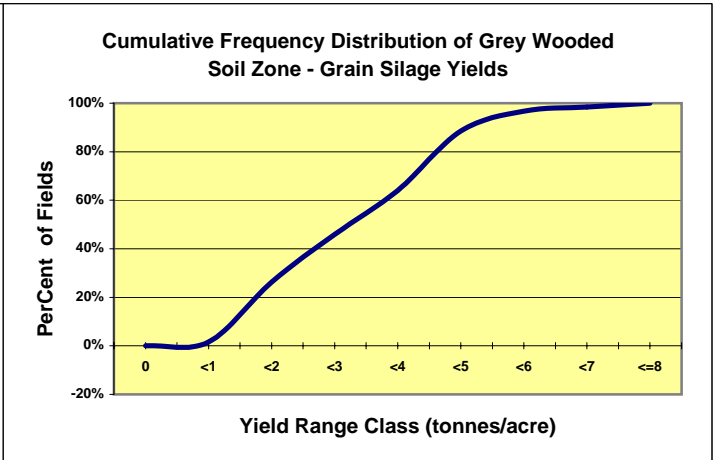
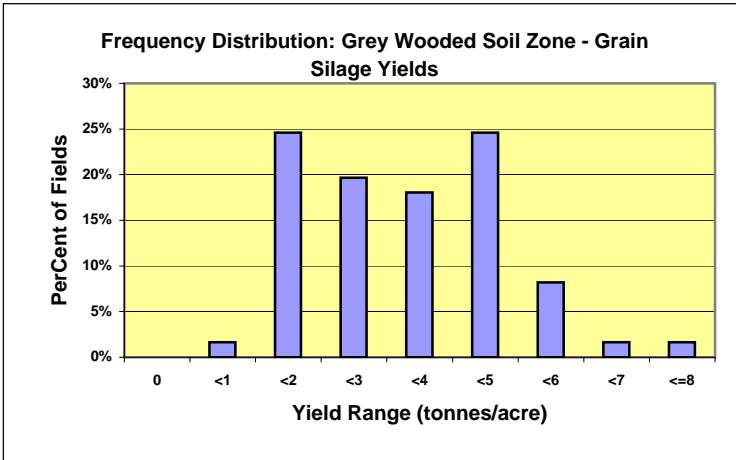


# Grey Wooded Soil Zone - Roundup Ready Canola: 2002









**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