

# *AgriProfit\$*

**Cost and Return Profiles for  
Selected Crops, 2006**

***Black Soil Zones***

**Alberta**



April 2008

## TABLE OF CONTENTS

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### 2006 Black and Thin Black Soil Zones

	Page
OVERVIEW .....	1
GRAPHS	
Spring Wheat .....	2
Malt Barley .....	3
Feed Barley .....	4
Roundup Ready Canola .....	5
Mixed (Alfalfa/Grass) Hay .....	6
CROPS	
Spring Wheat .....	7
CPS Wheat .....	10
Malt Barley .....	13
Feed Barley .....	16
Oats .....	19
Novel Trait Canola.....	22
Liberty Link Canola.....	23
Roundup Ready Canola .....	26
FORAGES	
Mixed (Alfalfa/Grass) Hay .....	29
Native/Slough Hay.....	32
Export Timothy.....	33
Standing Forage .....	35
Greenfeed.....	36
Grain Silage .....	38
Haylage .....	41
FREQUENCY DISTRIBUTIONS .....	42
Spring Wheat .....	44
CPS Wheat.....	45
Malt Barley .....	46
Feed Barley .....	47
Roundup Ready Canola .....	48
Mixed (Alfalfa/Grass) Hay .....	49
Grain Silage .....	50
DEFINITIONS AND ALLOCATIONS .....	51

## OVERVIEW

### 2006 Black and Thin Black Soil Zones

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

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

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

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

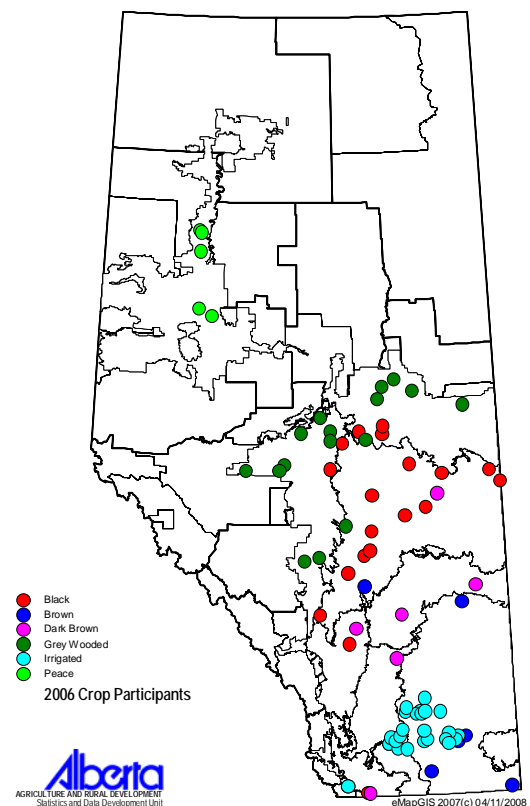
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OR

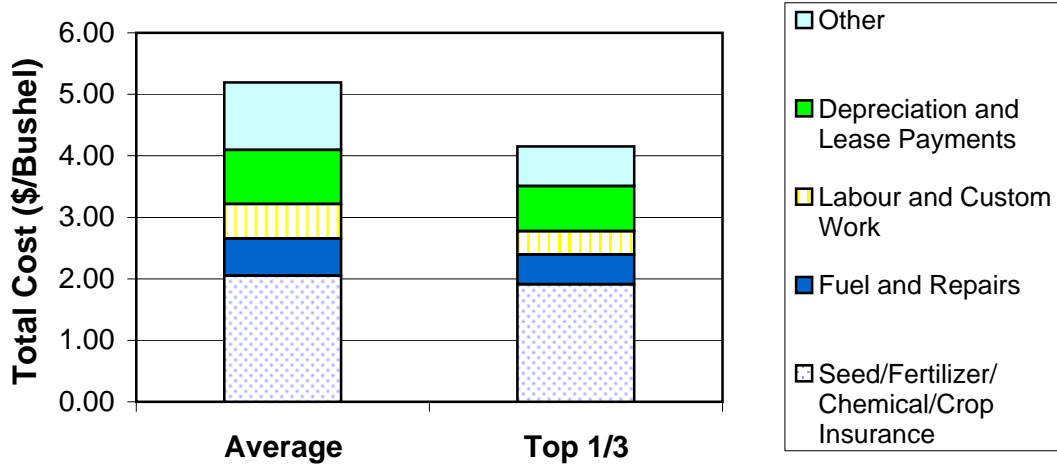
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#### Acknowledgements:

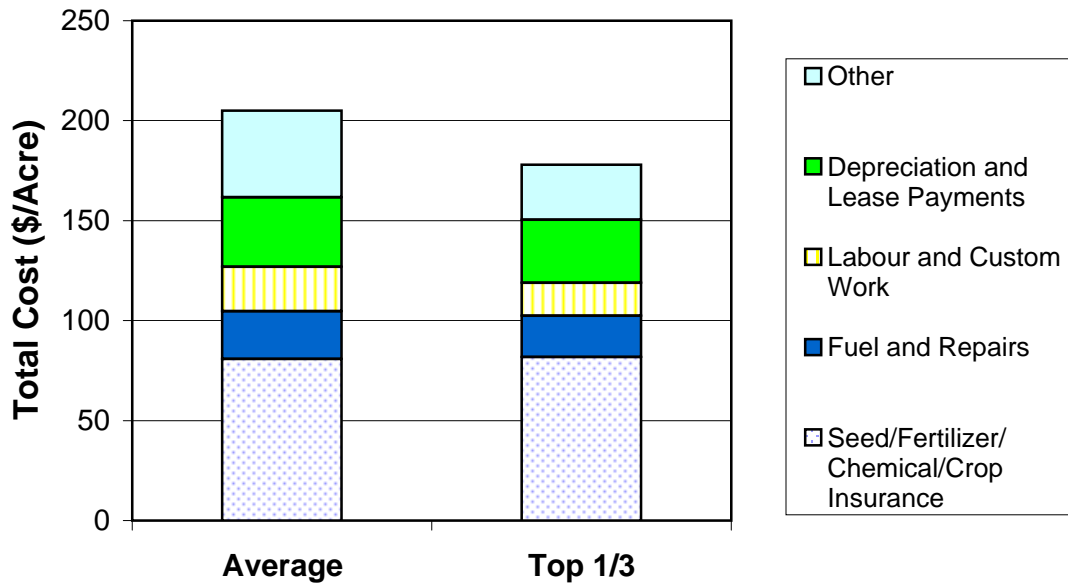
Dale Kaliel, Pauline Van Biert, Shukun Guan, Guangzhi Liu, Nabi Chaudhary, Karla Bergstrom, Renn Breitzkreuz, Interviewers and Participants.



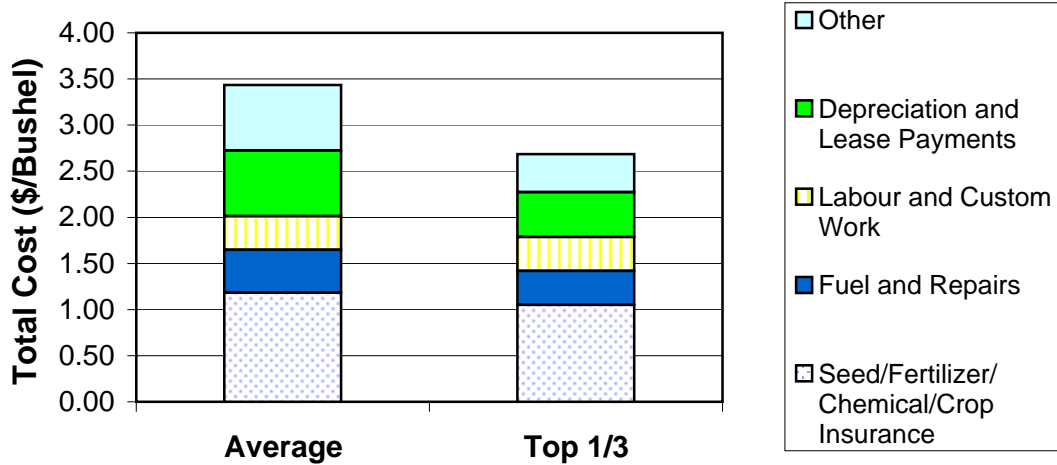
## 2006 Spring Wheat in Black Soil Zones (on Stubble)



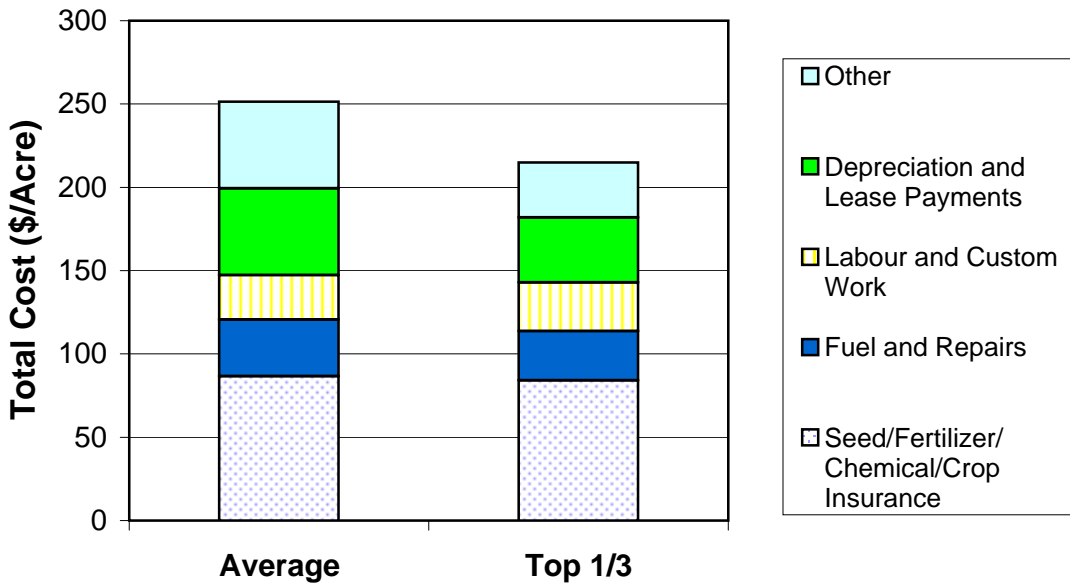
## 2006 Spring Wheat in Black Soil Zones (on Stubble)



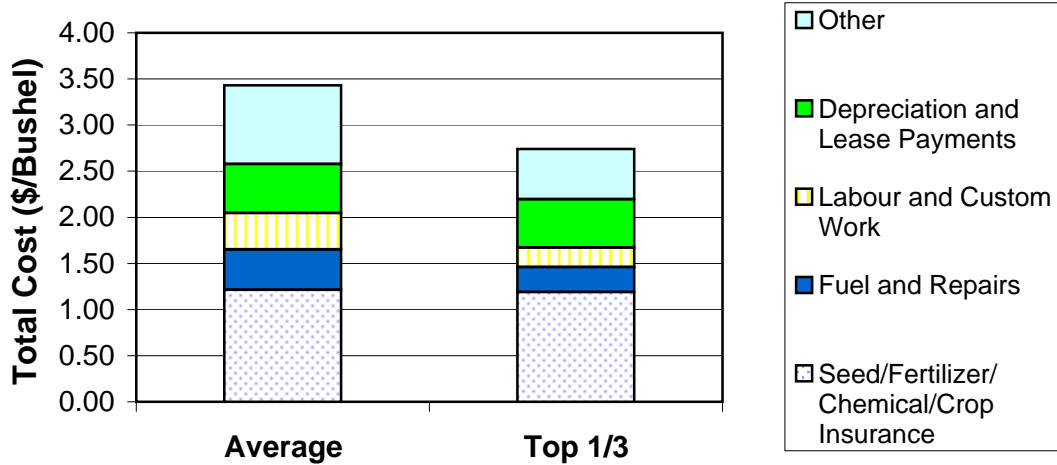
### 2006 Malt Barley in Black Soil Zones (on Stubble)



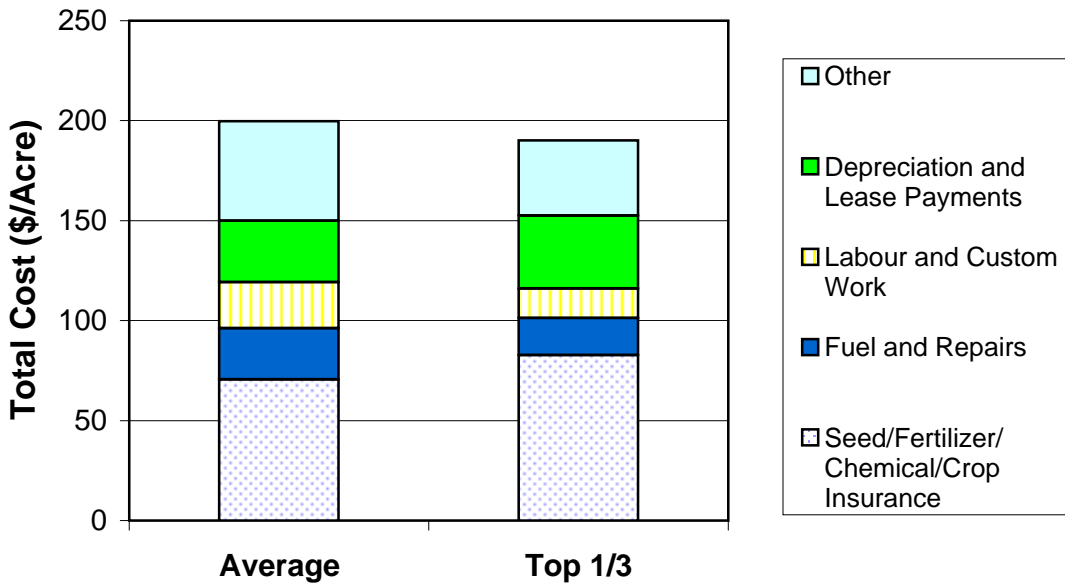
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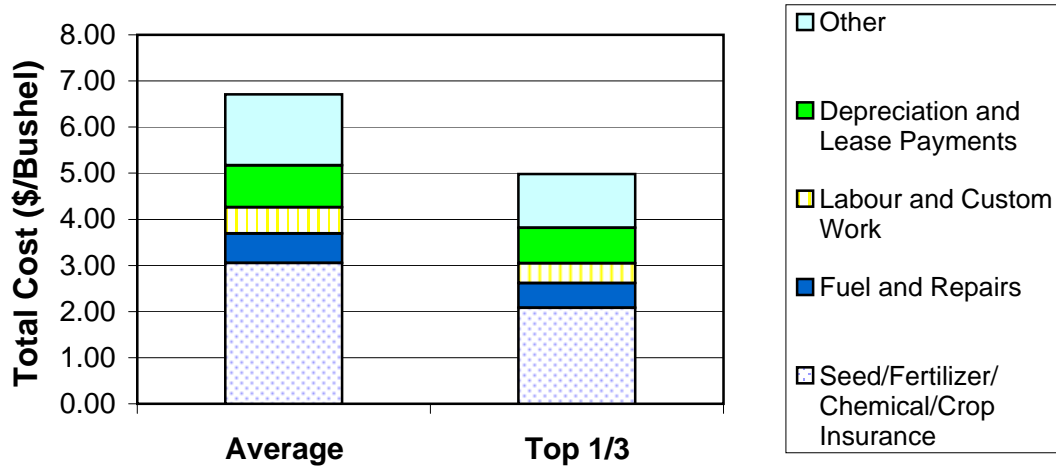
### 2006 Feed Barley in Black Soil Zones (on Stubble)



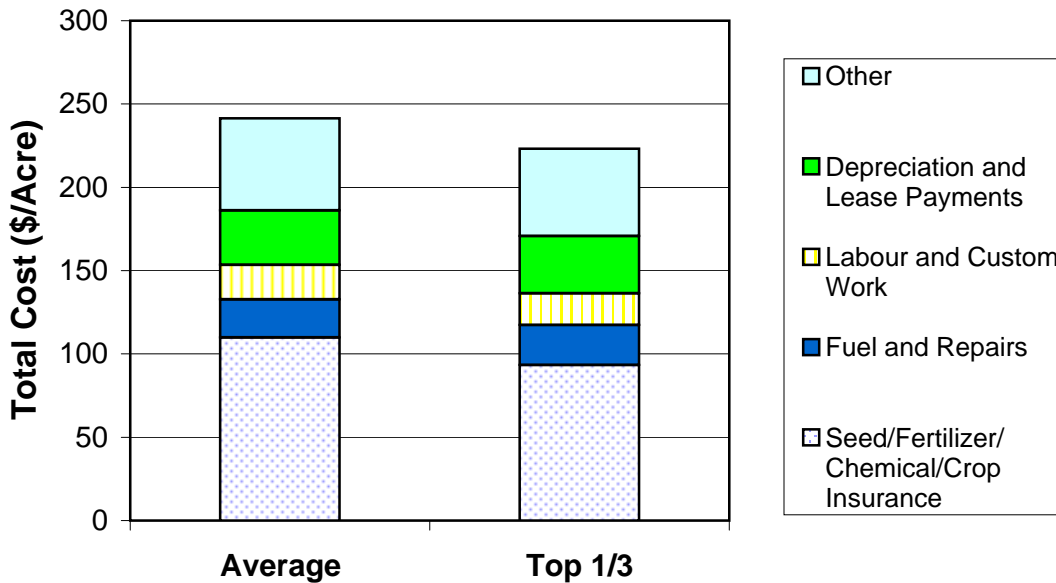
### 2006 Feed Barley in Black Soil Zones (on Stubble)



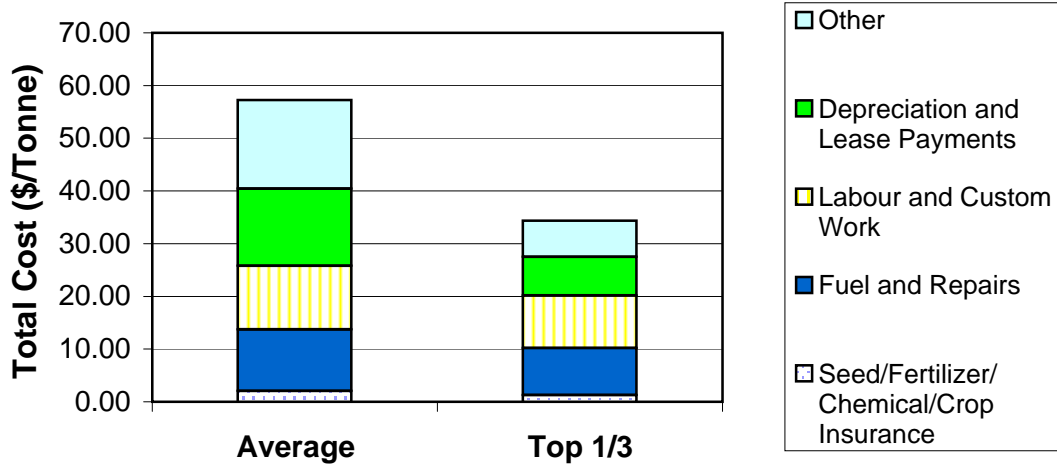
## 2006 Roundup Ready Canola in Black Soil Zones (on Stubble)



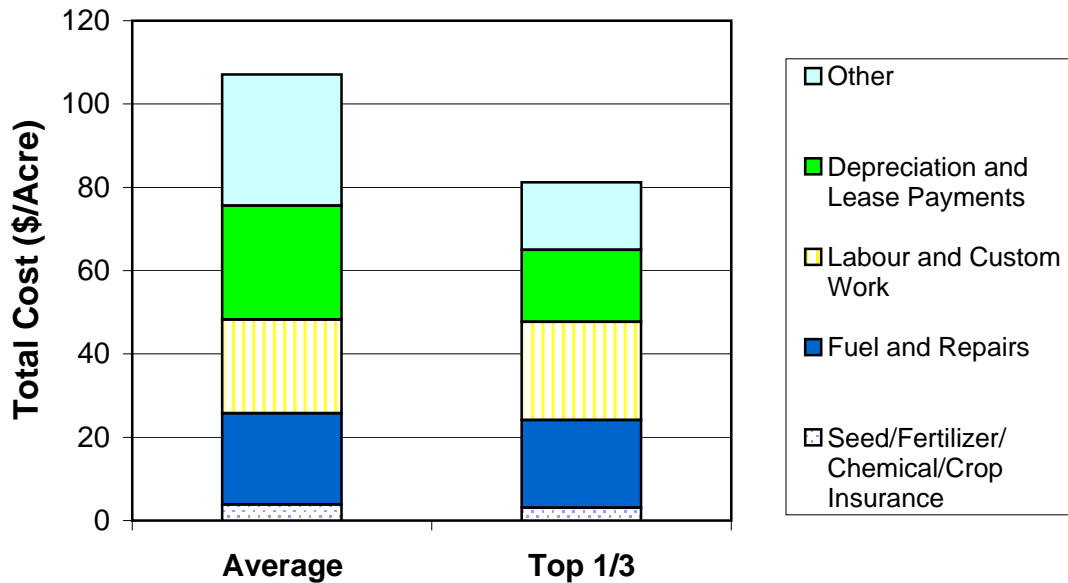
## 2006 Roundup Ready Canola in Black Soil Zones (on Stubble)



### 2006 Mixed Hay in Black Soil Zones (on Stubble)



### 2006 Mixed Hay in Black Soil Zones (on Stubble)





## 2006 Crop Enterprise Analysis

*AgriProfit\$*

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	166.75	181.22	4.23	4.23
	2. Crop Insurance Receipts	9.17	29.85	0.23	0.70
	3. Other Receipts	10.61	9.90	0.27	0.23
	<b>Gross Receipts</b>	<b>186.53</b>	<b>220.98</b>	<b>4.73</b>	<b>5.15</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	12.11	13.09	0.31	0.31
	2. Fertilizer	36.04	39.97	0.91	0.93
	3. Chemical	24.11	22.31	0.61	0.52
	4. Hail/Crop Insurance Premium	8.57	6.44	0.22	0.15
	5. Trucking and Marketing	2.47	3.23	0.06	0.08
	6. Fuel	12.68	12.16	0.32	0.28
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	10.23	7.57	0.26	0.18
	9. Repairs - Buildings	0.86	0.97	0.02	0.02
	10. Utilities and Miscellaneous	10.61	8.30	0.27	0.19
	11. Custom Work	3.07	2.54	0.08	0.06
	12. Operating Interest Paid	1.95	1.66	0.05	0.04
	13. Paid Labour	7.58	3.68	0.19	0.09
	14. Unpaid Labour	11.66	10.13	0.30	0.24
	<b>Variable Costs</b>	<b>141.97</b>	<b>132.05</b>	<b>3.60</b>	<b>3.08</b>
<b>(C)</b>	1. Cash/ Share Land Rent	17.80	5.23	0.45	0.12
	2. Taxes, Water Rates, License & Ins.	5.57	6.05	0.14	0.14
	3. Equipment and Building: a) Depreciation	32.59	30.43	0.83	0.71
	b) Lease Payments	2.12	1.09	0.05	0.03
4. Paid Capital Interest	4.93	3.07	0.13	0.07	
	<b>Capital Costs</b>	<b>63.01</b>	<b>45.89</b>	<b>1.60</b>	<b>1.07</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>160.72</b>	<b>137.37</b>	<b>4.07</b>	<b>3.20</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>204.97</b>	<b>177.93</b>	<b>5.20</b>	<b>4.15</b>
	<b>Gross Margin (A-D)</b>	<b>25.81</b>	<b>83.61</b>	<b>0.65</b>	<b>1.95</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>(6.78)</b>	<b>53.17</b>	<b>(0.17)</b>	<b>1.24</b>
	<b>Return to Investment (A-E+C4)</b>	<b>(13.51)</b>	<b>46.12</b>	<b>(0.34)</b>	<b>1.08</b>
	<b>Return to Equity (A-E)</b>	<b>(18.45)</b>	<b>43.05</b>	<b>(0.47)</b>	<b>1.00</b>

**Investment**

Buildings	86.54	72.64
Machinery	310.54	294.91
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>1100.22</b>	<b>1682.12</b>

**Management**

Average Yield	(Bushel/acre)	39.45	42.87
Expected Market Price	(\$/Bushel)	4.23	4.23

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	160.42	202.83	4.27	4.25
	2. Crop Insurance Receipts	16.21	0.00	0.43	0.00
	3. Other Receipts	12.31	18.65	0.33	0.39
	<b>Gross Receipts</b>	<b>188.94</b>	<b>221.47</b>	<b>5.04</b>	<b>4.64</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	11.44	11.82	0.30	0.25
	2. Fertilizer	35.07	34.10	0.93	0.71
	3. Chemical	23.17	18.94	0.62	0.40
	4. Hail/Crop Insurance Premium	6.95	5.39	0.19	0.11
	5. Trucking and Marketing	2.95	2.01	0.08	0.04
	6. Fuel	12.71	13.78	0.34	0.29
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	11.40	8.39	0.30	0.18
	9. Repairs - Buildings	0.94	1.13	0.03	0.02
	10. Utilities and Miscellaneous	10.20	8.64	0.27	0.18
	11. Custom Work	2.88	1.77	0.08	0.04
	12. Operating Interest Paid	1.84	1.36	0.05	0.03
	13. Paid Labour	6.83	3.05	0.18	0.06
	14. Unpaid Labour	12.32	12.76	0.33	0.27
	<b>Variable Costs</b>	<b>138.71</b>	<b>123.13</b>	<b>3.70</b>	<b>2.58</b>
<b>(C)</b>	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00
	2. Taxes, Water Rates, License & Ins.	7.71	8.41	0.21	0.18
	3. Equipment and Building: a) Depreciation	37.04	32.53	0.99	0.68
	b) Lease Payments	1.14	0.92	0.03	0.02
	4. Paid Capital Interest	7.41	2.23	0.20	0.05
	<b>Capital Costs</b>	<b>53.30</b>	<b>44.09</b>	<b>1.42</b>	<b>0.92</b>
<b>(D)</b>	<b>Cash Costs</b>	<b>(B+C-B14-C3a)</b>	<b>142.66</b>	<b>121.92</b>	<b>3.80</b>
<b>(E)</b>	<b>Total Production Costs</b>	<b>(B+C)</b>	<b>192.01</b>	<b>167.21</b>	<b>5.12</b>
	<b>Gross Margin</b>	<b>(A-D)</b>	<b>46.28</b>	<b>99.56</b>	<b>1.23</b>
	<b>Return to Unpaid Labour</b>	<b>(A-E+B14)</b>	<b>9.24</b>	<b>67.02</b>	<b>0.25</b>
	<b>Return to Investment</b>	<b>(A-E+C4)</b>	<b>4.34</b>	<b>56.49</b>	<b>0.12</b>
	<b>Return to Equity</b>	<b>(A-E)</b>	<b>(3.08)</b>	<b>54.26</b>	<b>(0.08)</b>

**Investment**

Buildings	99.13	96.51
Machinery	351.47	304.14
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>1694.39</b>	<b>1903.51</b>

**Management**

Average Yield	(Bushel/acre)	37.52	47.70
Expected Market Price	(\$/Bushel)	4.27	4.25

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	174.99	198.83	4.17	4.20
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00
	3. Other Receipts	8.41	17.29	0.20	0.37
	<b>Gross Receipts</b>	<b>183.40</b>	<b>216.12</b>	<b>4.37</b>	<b>4.57</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	12.99	12.64	0.31	0.27
	2. Fertilizer	37.30	38.95	0.89	0.82
	3. Chemical	25.33	22.13	0.60	0.47
	4. Hail/Crop Insurance Premium	10.67	6.20	0.25	0.13
	5. Trucking and Marketing	1.85	3.79	0.04	0.08
	6. Fuel	12.64	11.23	0.30	0.24
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	8.71	5.30	0.21	0.11
	9. Repairs - Buildings	0.76	0.90	0.02	0.02
	10. Utilities and Miscellaneous	11.15	7.93	0.27	0.17
	11. Custom Work	3.33	1.54	0.08	0.03
	12. Operating Interest Paid	2.09	1.10	0.05	0.02
	13. Paid Labour	8.55	2.40	0.20	0.05
	14. Unpaid Labour	10.81	9.11	0.26	0.19
	<b>Variable Costs</b>	<b>146.20</b>	<b>123.23</b>	<b>3.48</b>	<b>2.60</b>
<b>(C)</b>	1. Cash/ Share Land Rent	40.96	41.36	0.98	0.87
	2. Taxes, Water Rates, License & Ins.	2.78	2.74	0.07	0.06
	3. Equipment and Building: a) Depreciation	26.80	35.25	0.64	0.74
	b) Lease Payments	3.39	1.18	0.08	0.03
4. Paid Capital Interest	1.71	2.85	0.04	0.06	
	<b>Capital Costs</b>	<b>75.63</b>	<b>83.38</b>	<b>1.80</b>	<b>1.76</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>184.22</b>	<b>162.25</b>	<b>4.39</b>	<b>3.43</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>221.83</b>	<b>206.61</b>	<b>5.29</b>	<b>4.36</b>
	<b>Gross Margin (A-D)</b>	<b>(0.83)</b>	<b>53.87</b>	<b>(0.02)</b>	<b>1.14</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>(27.62)</b>	<b>18.62</b>	<b>(0.66)</b>	<b>0.39</b>
	<b>Return to Investment (A-E+C4)</b>	<b>(36.73)</b>	<b>12.37</b>	<b>(0.88)</b>	<b>0.26</b>
	<b>Return to Equity (A-E)</b>	<b>(38.44)</b>	<b>9.51</b>	<b>(0.92)</b>	<b>0.20</b>

**Investment**

Buildings	70.17	69.29
Machinery	257.30	350.61
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>327.47</b>	<b>419.90</b>

**Management**

Average Yield (Bushel/acre)	41.95	47.34
Expected Market Price (\$/Bushel)	4.17	4.20

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** CPS Wheat - All  
**Soil Zone:** Black - Dryland - Stubble  
**Unit:** Bushel

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	172.84	125.28	3.80	3.84
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00
	3. Other Receipts	3.38	10.02	0.07	0.31
	<b>Gross Receipts</b>	<b>176.21</b>	<b>135.30</b>	<b>3.87</b>	<b>4.15</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	14.84	11.16	0.33	0.34
	2. Fertilizer	36.64	20.49	0.81	0.63
	3. Chemical	26.80	19.57	0.59	0.60
	4. Hail/Crop Insurance Premium	13.13	4.68	0.29	0.14
	5. Trucking and Marketing	2.96	0.00	0.07	0.00
	6. Fuel	13.39	13.27	0.29	0.41
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	14.85	13.92	0.33	0.43
	9. Repairs - Buildings	0.13	0.15	0.00	0.00
	10. Utilities and Miscellaneous	15.33	8.72	0.34	0.27
	11. Custom Work	4.16	0.00	0.09	0.00
	12. Operating Interest Paid	4.76	0.89	0.10	0.03
	13. Paid Labour	9.10	4.75	0.20	0.15
	14. Unpaid Labour	13.15	14.45	0.29	0.44
	<b>Variable Costs</b>	<b>169.25</b>	<b>112.05</b>	<b>3.72</b>	<b>3.44</b>
<b>(C)</b>	1. Cash/ Share Land Rent	17.85	0.00	0.39	0.00
	2. Taxes, Water Rates, License & Ins.	5.22	7.90	0.11	0.24
	3. Equipment and Building: a) Depreciation	29.89	39.31	0.66	1.21
	b) Lease Payments	4.35	0.00	0.10	0.00
4. Paid Capital Interest	8.98	5.24	0.20	0.16	
	<b>Capital Costs</b>	<b>66.29</b>	<b>52.44</b>	<b>1.46</b>	<b>1.61</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>192.50</b>	<b>110.74</b>	<b>4.23</b>	<b>3.40</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>235.53</b>	<b>164.50</b>	<b>5.18</b>	<b>5.05</b>
	<b>Gross Margin (A-D)</b>	<b>(16.28)</b>	<b>24.57</b>	<b>(0.36)</b>	<b>0.75</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>(46.17)</b>	<b>(14.74)</b>	<b>(1.01)</b>	<b>(0.45)</b>
	<b>Return to Investment (A-E+C4)</b>	<b>(50.34)</b>	<b>(23.96)</b>	<b>(1.11)</b>	<b>(0.73)</b>
	<b>Return to Equity (A-E)</b>	<b>(59.32)</b>	<b>(29.19)</b>	<b>(1.30)</b>	<b>(0.90)</b>

### Investment

Buildings	102.60	128.18
Machinery	264.54	353.72
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>817.83</b>	<b>1563.77</b>

### Management

Average Yield (Bushel/acre)	45.49	32.60
Expected Market Price (\$/Bushel)	3.80	3.84

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** CPS Wheat - Own  
**Soil Zone:** Black - Dryland - Stubble  
**Unit:** Bushel

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	173.49	--	3.76	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	5.68	--	0.12	--
	<b>Gross Receipts</b>	<b>179.17</b>	<b>0.00</b>	<b>3.88</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	14.83	--	0.32	--
	2. Fertilizer	35.52	--	0.77	--
	3. Chemical	25.77	--	0.56	--
	4. Hail/Crop Insurance Premium	11.48	--	0.25	--
	5. Trucking and Marketing	3.48	--	0.08	--
	6. Fuel	13.32	--	0.29	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	15.01	--	0.33	--
	9. Repairs - Buildings	0.17	--	0.00	--
	10. Utilities and Miscellaneous	14.64	--	0.32	--
	11. Custom Work	3.26	--	0.07	--
	12. Operating Interest Paid	5.05	--	0.11	--
	13. Paid Labour	8.31	--	0.18	--
	14. Unpaid Labour	13.41	--	0.29	--
	<b>Variable Costs</b>	<b>164.26</b>	<b>0.00</b>	<b>3.56</b>	<b>0.00</b>
<b>(C)</b>	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	7.12	--	0.15	--
	3. Equipment and Building: a) Depreciation	33.10	--	0.72	--
	b) Lease Payments	3.41	--	0.07	--
4. Paid Capital Interest	18.14	--	0.39	--	
	<b>Capital Costs</b>	<b>61.77</b>	<b>0.00</b>	<b>1.34</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>179.52</b>	--	<b>3.89</b>	--
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>226.02</b>	--	<b>4.90</b>	--
	<b>Gross Margin (A-D)</b>	<b>(0.35)</b>	--	<b>(0.01)</b>	--
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>(33.44)</b>	--	<b>(0.72)</b>	--
	<b>Return to Investment (A-E+C4)</b>	<b>(28.71)</b>	--	<b>(0.62)</b>	--
	<b>Return to Equity (A-E)</b>	<b>(46.85)</b>	--	<b>(1.02)</b>	--

**Investment**

Buildings	111.93	--
Machinery	294.17	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>1466.30</b>	--

**Management**

Average Yield (Bushel/acre)	46.13	--
Expected Market Price (\$/Bushel)	3.76	--

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** CPS Wheat - Rent  
**Soil Zone:** Black - Dryland - Stubble  
**Unit:** Bushel

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
<b>(A)</b>	1. Crop Sales	172.35	--	3.83	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	1.67	--	0.04	--	
	<b>Gross Receipts</b>	<b>174.03</b>	<b>0.00</b>	<b>3.87</b>	<b>0.00</b>	
<b>(B)</b>	<b>Cost Items</b>					
	1. Seed	14.84	--	0.33	--	
	2. Fertilizer	37.48	--	0.83	--	
	3. Chemical	27.56	--	0.61	--	
	4. Hail/Crop Insurance Premium	14.35	--	0.32	--	
	5. Trucking and Marketing	2.58	--	0.06	--	
	6. Fuel	13.43	--	0.30	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	14.73	--	0.33	--	
	9. Repairs - Buildings	0.10	--	0.00	--	
	10. Utilities and Miscellaneous	15.84	--	0.35	--	
	11. Custom Work	4.83	--	0.11	--	
	12. Operating Interest Paid	4.55	--	0.10	--	
	13. Paid Labour	9.69	--	0.22	--	
	14. Unpaid Labour	12.96	--	0.29	--	
<b>Variable Costs</b>	<b>172.94</b>	<b>0.00</b>	<b>3.84</b>	<b>0.00</b>		
<b>(C)</b>	1. Cash/ Share Land Rent	31.05	--	0.69	--	
	2. Taxes, Water Rates, License & Ins.	3.82	--	0.08	--	
	3. Equipment and Building:	a) Depreciation	27.51	--	0.61	--
		b) Lease Payments	5.04	--	0.11	--
	4. Paid Capital Interest	2.20	--	0.05	--	
<b>Capital Costs</b>	<b>69.63</b>	<b>0.00</b>	<b>1.55</b>	<b>0.00</b>		
<b>(D)</b>	<b>Cash Costs</b>	<b>202.09</b>	--	<b>4.49</b>	--	
<b>(E)</b>	<b>Total Production Costs</b>	<b>242.57</b>	--	<b>5.39</b>	--	
	<b>Gross Margin</b>	<b>(28.07)</b>	--	<b>(0.62)</b>	--	
	<b>Return to Unpaid Labour</b>	<b>(55.58)</b>	--	<b>(1.23)</b>	--	
	<b>Return to Investment</b>	<b>(66.34)</b>	--	<b>(1.47)</b>	--	
	<b>Return to Equity</b>	<b>(68.54)</b>	--	<b>(1.52)</b>	--	

**Investment**

Buildings	95.70	--
Machinery	242.63	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>338.33</b>	--

**Management**

Average Yield	(Bushel/acre)	45.01	--
Expected Market Price	(\$/Bushel)	3.83	--

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** *Malt Barley - All*  
**Soil Zone:** *Black - Dryland - Stubble*  
**Unit:** *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	246.96	285.16	3.37	3.56
	2. Crop Insurance Receipts	8.08	21.10	0.11	0.26
	3. Other Receipts	29.97	12.83	0.41	0.16
	<b>Gross Receipts</b>	<b>285.01</b>	<b>319.09</b>	<b>3.89</b>	<b>3.99</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	11.38	10.87	0.16	0.14
	2. Fertilizer	41.80	38.39	0.57	0.48
	3. Chemical	30.11	26.12	0.41	0.33
	4. Hail/Crop Insurance Premium	3.42	8.81	0.05	0.11
	5. Trucking and Marketing	3.99	2.48	0.05	0.03
	6. Fuel	14.55	14.94	0.20	0.19
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	17.30	13.44	0.24	0.17
	9. Repairs - Buildings	2.15	1.05	0.03	0.01
	10. Utilities and Miscellaneous	11.44	11.69	0.16	0.15
	11. Custom Work	2.14	2.16	0.03	0.03
	12. Operating Interest Paid	3.20	1.64	0.04	0.02
	13. Paid Labour	15.48	17.11	0.21	0.21
	14. Unpaid Labour	8.96	10.01	0.12	0.13
	<b>Variable Costs</b>	<b>165.91</b>	<b>158.73</b>	<b>2.27</b>	<b>1.98</b>
<b>(C)</b>	1. Cash/ Share Land Rent	21.23	3.72	0.29	0.05
	2. Taxes, Water Rates, License & Ins.	6.26	6.61	0.09	0.08
	3. Equipment and Building: a) Depreciation	51.42	38.29	0.70	0.48
	b) Lease Payments	0.58	0.66	0.01	0.01
4. Paid Capital Interest	5.95	6.99	0.08	0.09	
	<b>Capital Costs</b>	<b>85.44</b>	<b>56.27</b>	<b>1.17</b>	<b>0.70</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>190.97</b>	<b>166.69</b>	<b>2.61</b>	<b>2.08</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>251.34</b>	<b>214.99</b>	<b>3.43</b>	<b>2.69</b>
	<b>Gross Margin (A-D)</b>	<b>94.04</b>	<b>152.40</b>	<b>1.28</b>	<b>1.90</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>42.62</b>	<b>114.11</b>	<b>0.58</b>	<b>1.43</b>
	<b>Return to Investment (A-E+C4)</b>	<b>39.61</b>	<b>111.09</b>	<b>0.54</b>	<b>1.39</b>
	<b>Return to Equity (A-E)</b>	<b>33.66</b>	<b>104.10</b>	<b>0.46</b>	<b>1.30</b>

**Investment**

Buildings	92.43	82.21
Machinery	502.71	375.46
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>1367.21</b>	<b>2166.97</b>

**Management**

Average Yield (Bushel/acre)	73.19	80.06
Expected Market Price (\$/Bushel)	3.37	3.56

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** *Malt Barley - Own*  
**Soil Zone:** *Black - Dryland - Stubble*  
**Unit:** *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	265.95	269.71	3.43	3.56
	2. Crop Insurance Receipts	17.69	24.23	0.23	0.32
	3. Other Receipts	23.09	2.92	0.30	0.04
	<b>Gross Receipts</b>	<b>306.72</b>	<b>296.87</b>	<b>3.95</b>	<b>3.91</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	10.97	11.29	0.14	0.15
	2. Fertilizer	40.14	38.08	0.52	0.50
	3. Chemical	26.44	17.67	0.34	0.23
	4. Hail/Crop Insurance Premium	6.51	8.55	0.08	0.11
	5. Trucking and Marketing	3.24	1.53	0.04	0.02
	6. Fuel	15.12	13.75	0.19	0.18
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	15.49	9.33	0.20	0.12
	9. Repairs - Buildings	1.64	0.34	0.02	0.00
	10. Utilities and Miscellaneous	11.59	11.85	0.15	0.16
	11. Custom Work	1.77	0.93	0.02	0.01
	12. Operating Interest Paid	2.23	1.34	0.03	0.02
	13. Paid Labour	16.11	13.96	0.21	0.18
	14. Unpaid Labour	9.91	9.12	0.13	0.12
	<b>Variable Costs</b>	<b>161.15</b>	<b>137.73</b>	<b>2.08</b>	<b>1.82</b>
<b>(C)</b>	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00
	2. Taxes, Water Rates, License & Ins.	8.11	5.27	0.10	0.07
	3. Equipment and Building: a) Depreciation	45.42	29.36	0.59	0.39
	b) Lease Payments	0.47	1.64	0.01	0.02
	4. Paid Capital Interest	10.72	2.56	0.14	0.03
	<b>Capital Costs</b>	<b>64.72</b>	<b>38.83</b>	<b>0.83</b>	<b>0.51</b>
<b>(D)</b>	<b>Cash Costs</b>	<b>(B+C-B14-C3a)</b>	<b>170.54</b>	<b>138.08</b>	<b>2.20</b>
<b>(E)</b>	<b>Total Production Costs</b>	<b>(B+C)</b>	<b>225.88</b>	<b>176.56</b>	<b>2.91</b>
	<b>Gross Margin</b>	<b>(A-D)</b>	<b>136.18</b>	<b>158.79</b>	<b>1.76</b>
	<b>Return to Unpaid Labour</b>	<b>(A-E+B14)</b>	<b>90.76</b>	<b>129.42</b>	<b>1.17</b>
	<b>Return to Investment</b>	<b>(A-E+C4)</b>	<b>91.57</b>	<b>122.86</b>	<b>1.18</b>
	<b>Return to Equity</b>	<b>(A-E)</b>	<b>80.85</b>	<b>120.31</b>	<b>1.04</b>

### Investment

Buildings	92.38	67.26
Machinery	442.55	291.87
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>2224.61</b>	<b>2365.38</b>

### Management

Average Yield	(Bushel/acre)	77.58	75.85
Expected Market Price	(\$/Bushel)	3.43	3.56



## 2006 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** *Malt Barley - Rent*  
**Soil Zone:** *Black - Dryland - Stubble*  
**Unit:** *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	230.98	248.12	3.32	3.40
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00
	3. Other Receipts	35.76	0.18	0.51	0.00
<b>Gross Receipts</b>		<b>266.73</b>	<b>248.30</b>	<b>3.84</b>	<b>3.40</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	11.73	12.17	0.17	0.17
	2. Fertilizer	43.20	32.43	0.62	0.44
	3. Chemical	33.19	27.83	0.48	0.38
	4. Hail/Crop Insurance Premium	0.81	3.46	0.01	0.05
	5. Trucking and Marketing	4.61	1.57	0.07	0.02
	6. Fuel	14.07	11.71	0.20	0.16
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	18.82	7.27	0.27	0.10
	9. Repairs - Buildings	2.57	0.34	0.04	0.00
	10. Utilities and Miscellaneous	11.31	11.83	0.16	0.16
	11. Custom Work	2.46	1.79	0.04	0.02
	12. Operating Interest Paid	4.01	2.37	0.06	0.03
	13. Paid Labour	14.95	8.66	0.22	0.12
	14. Unpaid Labour	8.16	6.87	0.12	0.09
<b>Variable Costs</b>		<b>169.91</b>	<b>128.29</b>	<b>2.44</b>	<b>1.76</b>
<b>(C)</b>	1. Cash/ Share Land Rent	39.09	38.05	0.56	0.52
	2. Taxes, Water Rates, License & Ins.	4.70	1.35	0.07	0.02
	3. Equipment and Building: a) Depreciation	56.46	28.78	0.81	0.39
	b) Lease Payments	0.68	2.89	0.01	0.04
	4. Paid Capital Interest	1.93	2.63	0.03	0.04
<b>Capital Costs</b>		<b>102.87</b>	<b>73.71</b>	<b>1.48</b>	<b>1.01</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>208.15</b>	<b>166.35</b>	<b>3.00</b>	<b>2.28</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>272.77</b>	<b>202.00</b>	<b>3.93</b>	<b>2.76</b>
	<b>Gross Margin (A-D)</b>	<b>58.58</b>	<b>81.95</b>	<b>0.84</b>	<b>1.12</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>2.12</b>	<b>53.17</b>	<b>0.03</b>	<b>0.73</b>
	<b>Return to Investment (A-E+C4)</b>	<b>(4.11)</b>	<b>48.93</b>	<b>(0.06)</b>	<b>0.67</b>
	<b>Return to Equity (A-E)</b>	<b>(6.04)</b>	<b>46.30</b>	<b>(0.09)</b>	<b>0.63</b>

### Investment

Buildings	92.47	54.27
Machinery	553.32	291.09
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>645.79</b>	<b>345.35</b>

### Management

Average Yield	(Bushel/acre)	69.49	73.07
Expected Market Price	(\$/Bushel)	3.32	3.40

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	167.83	216.36	2.88	3.12
	2. Crop Insurance Receipts	1.09	0.00	0.02	0.00
	3. Other Receipts	14.68	19.09	0.25	0.27
	<b>Gross Receipts</b>	<b>183.60</b>	<b>235.45</b>	<b>3.15</b>	<b>3.39</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	9.34	9.77	0.16	0.14
	2. Fertilizer	32.92	39.70	0.57	0.57
	3. Chemical	20.71	25.33	0.36	0.36
	4. Hail/Crop Insurance Premium	7.66	7.88	0.13	0.11
	5. Trucking and Marketing	4.02	4.90	0.07	0.07
	6. Fuel	13.34	10.49	0.23	0.15
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	10.90	6.95	0.19	0.10
	9. Repairs - Buildings	1.29	1.16	0.02	0.02
	10. Utilities and Miscellaneous	7.97	6.77	0.14	0.10
	11. Custom Work	6.51	0.79	0.11	0.01
	12. Operating Interest Paid	3.21	1.61	0.06	0.02
	13. Paid Labour	6.50	5.50	0.11	0.08
	14. Unpaid Labour	10.05	8.53	0.17	0.12
	<b>Variable Costs</b>	<b>134.40</b>	<b>129.39</b>	<b>2.31</b>	<b>1.86</b>
<b>(C)</b>	1. Cash/ Share Land Rent	20.95	13.74	0.36	0.20
	2. Taxes, Water Rates, License & Ins.	4.79	4.36	0.08	0.06
	3. Equipment and Building: a) Depreciation	30.65	35.91	0.53	0.52
	b) Lease Payments	0.17	0.49	0.00	0.01
	4. Paid Capital Interest	8.79	6.22	0.15	0.09
	<b>Capital Costs</b>	<b>65.35</b>	<b>60.73</b>	<b>1.12</b>	<b>0.87</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>159.05</b>	<b>145.67</b>	<b>2.73</b>	<b>2.10</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>199.76</b>	<b>190.12</b>	<b>3.43</b>	<b>2.74</b>
	<b>Gross Margin (A-D)</b>	<b>24.55</b>	<b>89.77</b>	<b>0.42</b>	<b>1.29</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>(6.10)</b>	<b>53.86</b>	<b>(0.10)</b>	<b>0.78</b>
	<b>Return to Investment (A-E+C4)</b>	<b>(7.36)</b>	<b>51.55</b>	<b>(0.13)</b>	<b>0.74</b>
	<b>Return to Equity (A-E)</b>	<b>(16.15)</b>	<b>45.33</b>	<b>(0.28)</b>	<b>0.65</b>

**Investment**

Buildings	76.50	53.57
Machinery	287.50	363.22
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>862.77</b>	<b>1185.20</b>

**Management**

Average Yield (Bushel/acre)	58.21	69.41
Expected Market Price (\$/Bushel)	2.88	3.12

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	187.41	219.46	2.89	3.13
	2. Crop Insurance Receipts	1.64	0.00	0.03	0.00
	3. Other Receipts	22.89	19.44	0.35	0.28
	<b>Gross Receipts</b>	<b>211.94</b>	<b>238.90</b>	<b>3.27</b>	<b>3.40</b>
<b>(B) Cost Items</b>					
	1. Seed	9.66	9.34	0.15	0.13
	2. Fertilizer	37.66	37.73	0.58	0.54
	3. Chemical	25.42	27.19	0.39	0.39
	4. Hail/Crop Insurance Premium	6.67	7.79	0.10	0.11
	5. Trucking and Marketing	5.54	4.63	0.09	0.07
	6. Fuel	12.14	10.43	0.19	0.15
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	11.71	6.38	0.18	0.09
	9. Repairs - Buildings	1.16	1.13	0.02	0.02
	10. Utilities and Miscellaneous	8.80	6.44	0.14	0.09
	11. Custom Work	14.79	0.46	0.23	0.01
	12. Operating Interest Paid	3.79	1.49	0.06	0.02
	13. Paid Labour	5.50	5.42	0.08	0.08
	14. Unpaid Labour	10.43	8.62	0.16	0.12
	<b>Variable Costs</b>	<b>153.28</b>	<b>127.05</b>	<b>2.36</b>	<b>1.81</b>
<b>(C)</b>	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00
	2. Taxes, Water Rates, License & Ins.	6.61	5.47	0.10	0.08
	3. Equipment and Building: a) Depreciation	38.46	35.68	0.59	0.51
	b) Lease Payments	0.25	0.51	0.00	0.01
4. Paid Capital Interest	18.15	8.34	0.28	0.12	
	<b>Capital Costs</b>	<b>63.47</b>	<b>49.99</b>	<b>0.98</b>	<b>0.71</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>167.86</b>	<b>132.75</b>	<b>2.59</b>	<b>1.89</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>216.76</b>	<b>177.04</b>	<b>3.34</b>	<b>2.52</b>
	<b>Gross Margin (A-D)</b>	<b>44.08</b>	<b>106.15</b>	<b>0.68</b>	<b>1.51</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>5.61</b>	<b>70.47</b>	<b>0.09</b>	<b>1.00</b>
	<b>Return to Investment (A-E+C4)</b>	<b>13.33</b>	<b>70.19</b>	<b>0.21</b>	<b>1.00</b>
	<b>Return to Equity (A-E)</b>	<b>(4.82)</b>	<b>61.85</b>	<b>(0.07)</b>	<b>0.88</b>

**Investment**

Buildings	82.18	52.78
Machinery	367.65	361.50
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>1629.51</b>	<b>1713.99</b>

**Management**

Average Yield (Bushel/acre)	64.81	70.20
Expected Market Price (\$/Bushel)	2.89	3.13

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	153.48	211.87	2.88	3.10
	2. Crop Insurance Receipts	0.69	0.00	0.01	0.00
	3. Other Receipts	8.67	18.58	0.16	0.27
	<b>Gross Receipts</b>	<b>162.85</b>	<b>230.45</b>	<b>3.05</b>	<b>3.38</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	9.10	10.38	0.17	0.15
	2. Fertilizer	29.46	42.56	0.55	0.62
	3. Chemical	17.26	22.64	0.32	0.33
	4. Hail/Crop Insurance Premium	8.38	8.00	0.16	0.12
	5. Trucking and Marketing	2.90	5.29	0.05	0.08
	6. Fuel	14.21	10.57	0.27	0.15
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	10.31	7.77	0.19	0.11
	9. Repairs - Buildings	1.38	1.21	0.03	0.02
	10. Utilities and Miscellaneous	7.36	7.27	0.14	0.11
	11. Custom Work	0.44	1.28	0.01	0.02
	12. Operating Interest Paid	2.78	1.77	0.05	0.03
	13. Paid Labour	7.23	5.63	0.14	0.08
	14. Unpaid Labour	9.78	8.41	0.18	0.12
	<b>Variable Costs</b>	<b>120.58</b>	<b>132.77</b>	<b>2.26</b>	<b>1.95</b>
<b>(C)</b>	1. Cash/ Share Land Rent	36.30	33.62	0.68	0.49
	2. Taxes, Water Rates, License & Ins.	3.45	2.76	0.06	0.04
	3. Equipment and Building: a) Depreciation	24.93	36.25	0.47	0.53
	b) Lease Payments	0.12	0.46	0.00	0.01
4. Paid Capital Interest	1.94	3.17	0.04	0.05	
	<b>Capital Costs</b>	<b>66.73</b>	<b>76.25</b>	<b>1.25</b>	<b>1.12</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>152.60</b>	<b>164.37</b>	<b>2.86</b>	<b>2.41</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>187.30</b>	<b>209.03</b>	<b>3.51</b>	<b>3.06</b>
	<b>Gross Margin (A-D)</b>	<b>10.25</b>	<b>66.08</b>	<b>0.19</b>	<b>0.97</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>(14.68)</b>	<b>29.84</b>	<b>(0.28)</b>	<b>0.44</b>
	<b>Return to Investment (A-E+C4)</b>	<b>(22.52)</b>	<b>24.59</b>	<b>(0.42)</b>	<b>0.36</b>
	<b>Return to Equity (A-E)</b>	<b>(24.46)</b>	<b>21.43</b>	<b>(0.46)</b>	<b>0.31</b>

**Investment**

Buildings	72.33	54.70
Machinery	228.80	365.72
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>301.12</b>	<b>420.42</b>

**Management**

Average Yield	(Bushel/acre)	53.38	68.26
Expected Market Price	(\$/Bushel)	2.88	3.10

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	192.65	272.35	2.55	2.71
	2. Crop Insurance Receipts	0.14	0.00	0.00	0.00
	3. Other Receipts	6.75	6.05	0.09	0.06
	<b>Gross Receipts</b>	<b>199.54</b>	<b>278.40</b>	<b>2.64</b>	<b>2.77</b>
<b>(B) Cost Items</b>					
	1. Seed	14.15	13.55	0.19	0.13
	2. Fertilizer	26.69	29.94	0.35	0.30
	3. Chemical	11.44	12.81	0.15	0.13
	4. Hail/Crop Insurance Premium	8.69	7.22	0.11	0.07
	5. Trucking and Marketing	0.24	0.52	0.00	0.01
	6. Fuel	13.32	15.41	0.18	0.15
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	12.88	12.25	0.17	0.12
	9. Repairs - Buildings	0.43	0.70	0.01	0.01
	10. Utilities and Miscellaneous	15.74	14.68	0.21	0.15
	11. Custom Work	5.19	4.15	0.07	0.04
	12. Operating Interest Paid	2.45	1.97	0.03	0.02
	13. Paid Labour	15.06	17.59	0.20	0.17
	14. Unpaid Labour	12.29	10.81	0.16	0.11
	<b>Variable Costs</b>	<b>138.56</b>	<b>141.61</b>	<b>1.83</b>	<b>1.41</b>
<b>(C)</b>	1. Cash/ Share Land Rent	9.55	0.00	0.13	0.00
	2. Taxes, Water Rates, License & Ins.	6.51	6.79	0.09	0.07
	3. Equipment and Building: a) Depreciation	29.89	23.18	0.40	0.23
	b) Lease Payments	4.15	3.73	0.05	0.04
4. Paid Capital Interest	7.08	5.45	0.09	0.05	
	<b>Capital Costs</b>	<b>57.18</b>	<b>39.16</b>	<b>0.76</b>	<b>0.39</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>153.57</b>	<b>146.77</b>	<b>2.03</b>	<b>1.46</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>195.75</b>	<b>180.77</b>	<b>2.59</b>	<b>1.80</b>
	<b>Gross Margin (A-D)</b>	<b>45.97</b>	<b>131.63</b>	<b>0.61</b>	<b>1.31</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>16.08</b>	<b>108.45</b>	<b>0.21</b>	<b>1.08</b>
	<b>Return to Investment (A-E+C4)</b>	<b>10.87</b>	<b>103.09</b>	<b>0.14</b>	<b>1.02</b>
	<b>Return to Equity (A-E)</b>	<b>3.80</b>	<b>97.64</b>	<b>0.05</b>	<b>0.97</b>

**Investment**

Buildings	99.39	74.88
Machinery	275.17	216.98
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>1921.17</b>	<b>3187.40</b>

**Management**

Average Yield (Bushel/acre)	75.58	100.63
Expected Market Price (\$/Bushel)	2.55	2.71

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** Oats - Own  
**Soil Zone:** Black - Dryland - Stubble  
**Unit:** Bushel

		----- \$/Acre -----		---- \$/Bushel ----		
		Average	Top 1/3	Average	Top 1/3	
<b>(A)</b>	1. Crop Sales	223.78	--	2.53	--	
	2. Crop Insurance Receipts	0.19	--	0.00	--	
	3. Other Receipts	8.65	--	0.10	--	
	<b>Gross Receipts</b>	<b>232.62</b>	<b>0.00</b>	<b>2.63</b>	<b>0.00</b>	
<b>(B)</b>	<b>Cost Items</b>					
	1. Seed	12.85	--	0.15	--	
	2. Fertilizer	24.13	--	0.27	--	
	3. Chemical	9.59	--	0.11	--	
	4. Hail/Crop Insurance Premium	6.24	--	0.07	--	
	5. Trucking and Marketing	0.33	--	0.00	--	
	6. Fuel	14.51	--	0.16	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	13.29	--	0.15	--	
	9. Repairs - Buildings	0.59	--	0.01	--	
	10. Utilities and Miscellaneous	13.72	--	0.15	--	
	11. Custom Work	2.66	--	0.03	--	
	12. Operating Interest Paid	2.10	--	0.02	--	
	13. Paid Labour	14.56	--	0.16	--	
	14. Unpaid Labour	13.07	--	0.15	--	
<b>Variable Costs</b>	<b>127.66</b>	<b>0.00</b>	<b>1.44</b>	<b>0.00</b>		
<b>(C)</b>	1. Cash/ Share Land Rent	0.00	--	0.00	--	
	2. Taxes, Water Rates, License & Ins.	7.94	--	0.09	--	
	3. Equipment and Building:	a) Depreciation	33.83	--	0.38	--
		b) Lease Payments	2.39	--	0.03	--
	4. Paid Capital Interest	8.49	--	0.10	--	
<b>Capital Costs</b>	<b>52.65</b>	<b>0.00</b>	<b>0.59</b>	<b>0.00</b>		
<b>(D)</b>	<b>Cash Costs</b>	<b>133.41</b>	--	<b>1.51</b>	--	
<b>(E)</b>	<b>Total Production Costs</b>	<b>180.31</b>	--	<b>2.04</b>	--	
	<b>Gross Margin</b>	<b>99.21</b>	--	<b>1.12</b>	--	
	<b>Return to Unpaid Labour</b>	<b>65.38</b>	--	<b>0.74</b>	--	
	<b>Return to Investment</b>	<b>60.80</b>	--	<b>0.69</b>	--	
	<b>Return to Equity</b>	<b>52.31</b>	--	<b>0.59</b>	--	

### Investment

Buildings	109.10	--
Machinery	312.82	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>2555.72</b>	--

### Management

Average Yield	(Bushel/acre)	88.58	--
Expected Market Price	(\$/Bushel)	2.53	--

## 2006 Crop Enterprise Analysis

*AgriProfit*®

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	110.66	--	2.68	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	1.76	--	0.04	--
	<b>Gross Receipts</b>	<b>112.42</b>	<b>0.00</b>	<b>2.72</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	17.57	--	0.43	--
	2. Fertilizer	33.43	--	0.81	--
	3. Chemical	16.32	--	0.39	--
	4. Hail/Crop Insurance Premium	15.13	--	0.37	--
	5. Trucking and Marketing	0.00	--	0.00	--
	6. Fuel	10.17	--	0.25	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	11.79	--	0.29	--
	9. Repairs - Buildings	0.00	--	0.00	--
	10. Utilities and Miscellaneous	21.06	--	0.51	--
	11. Custom Work	11.84	--	0.29	--
	12. Operating Interest Paid	3.38	--	0.08	--
	13. Paid Labour	16.38	--	0.40	--
	14. Unpaid Labour	10.22	--	0.25	--
	<b>Variable Costs</b>	<b>167.30</b>	<b>0.00</b>	<b>4.05</b>	<b>0.00</b>
<b>(C)</b>	1. Cash/ Share Land Rent	34.72	--	0.84	--
	2. Taxes, Water Rates, License & Ins.	2.74	--	0.07	--
	3. Equipment and Building: a) Depreciation	19.52	--	0.47	--
	b) Lease Payments	8.78	--	0.21	--
4. Paid Capital Interest	3.35	--	0.08	--	
	<b>Capital Costs</b>	<b>69.11</b>	<b>0.00</b>	<b>1.67</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs</b>	<b>206.67</b>	<b>--</b>	<b>5.00</b>	<b>--</b>
<b>(E)</b>	<b>Total Production Costs</b>	<b>236.41</b>	<b>--</b>	<b>5.72</b>	<b>--</b>
	<b>Gross Margin</b>	<b>(94.25)</b>	<b>--</b>	<b>(2.28)</b>	<b>--</b>
	<b>Return to Unpaid Labour</b>	<b>(113.77)</b>	<b>--</b>	<b>(2.75)</b>	<b>--</b>
	<b>Return to Investment</b>	<b>(120.63)</b>	<b>--</b>	<b>(2.92)</b>	<b>--</b>
	<b>Return to Equity</b>	<b>(123.99)</b>	<b>--</b>	<b>(3.00)</b>	<b>--</b>

**Investment**

Buildings	73.82	--
Machinery	175.99	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>249.81</b>	<b>--</b>

**Management**

Average Yield	(Bushel/acre)	41.32	--
Expected Market Price	(\$/Bushel)	2.68	--

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** *Novel Trait Canola - Rent*  
**Soil Zone:** *Black - Dryland - Stubble*  
**Unit:** *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	344.00	--	8.60	--
	2. Crop Insurance Receipts	26.73	--	0.67	--
	3. Other Receipts	2.39	--	0.06	--
	<b>Gross Receipts</b>	<b>373.12</b>	<b>0.00</b>	<b>9.33</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	30.00	--	0.75	--
	2. Fertilizer	100.00	--	2.50	--
	3. Chemical	28.00	--	0.70	--
	4. Hail/Crop Insurance Premium	21.59	--	0.54	--
	5. Trucking and Marketing	0.00	--	0.00	--
	6. Fuel	13.47	--	0.34	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	16.03	--	0.40	--
	9. Repairs - Buildings	0.00	--	0.00	--
	10. Utilities and Miscellaneous	25.32	--	0.63	--
	11. Custom Work	0.00	--	0.00	--
	12. Operating Interest Paid	4.59	--	0.11	--
	13. Paid Labour	22.27	--	0.56	--
	14. Unpaid Labour	11.55	--	0.29	--
	<b>Variable Costs</b>	<b>272.81</b>	<b>0.00</b>	<b>6.82</b>	<b>0.00</b>
<b>(C)</b>	1. Cash/ Share Land Rent	40.00	--	1.00	--
	2. Taxes, Water Rates, License & Ins.	3.08	--	0.08	--
	3. Equipment and Building: a) Depreciation	25.32	--	0.63	--
	b) Lease Payments	11.93	--	0.30	--
4. Paid Capital Interest	1.52	--	0.04	--	
	<b>Capital Costs</b>	<b>81.85</b>	<b>0.00</b>	<b>2.05</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs</b>	<b>(B+C-B14-C3a)</b>	<b>317.79</b>	<b>--</b>	<b>7.94</b>
<b>(E)</b>	<b>Total Production Costs</b>	<b>(B+C)</b>	<b>354.66</b>	<b>--</b>	<b>8.87</b>
	<b>Gross Margin</b>	<b>(A-D)</b>	<b>55.34</b>	<b>--</b>	<b>1.38</b>
	<b>Return to Unpaid Labour</b>	<b>(A-E+B14)</b>	<b>30.01</b>	<b>--</b>	<b>0.75</b>
	<b>Return to Investment</b>	<b>(A-E+C4)</b>	<b>19.98</b>	<b>--</b>	<b>0.50</b>
	<b>Return to Equity</b>	<b>(A-E)</b>	<b>18.46</b>	<b>--</b>	<b>0.46</b>

**Investment**

Buildings	76.85	--
Machinery	238.82	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>315.67</b>	<b>--</b>

**Management**

Average Yield	(Bushel/acre)	40.00	--
Expected Market Price	(\$/Bushel)	8.60	--



## 2006 Crop Enterprise Analysis

*AgriProfit\$*

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	223.77	285.58	7.40	6.95
	2. Crop Insurance Receipts	84.39	34.98	2.79	0.85
	3. Other Receipts	2.25	1.98	0.07	0.05
	<b>Gross Receipts</b>	<b>310.41</b>	<b>322.54</b>	<b>10.27</b>	<b>7.85</b>
<b>(B) Cost Items</b>					
	1. Seed	37.07	33.44	1.23	0.81
	2. Fertilizer	68.81	61.36	2.28	1.49
	3. Chemical	38.70	22.80	1.28	0.55
	4. Hail/Crop Insurance Premium	15.19	14.67	0.50	0.36
	5. Trucking and Marketing	4.21	4.38	0.14	0.11
	6. Fuel	13.57	13.29	0.45	0.32
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	15.35	14.70	0.51	0.36
	9. Repairs - Buildings	0.80	0.37	0.03	0.01
	10. Utilities and Miscellaneous	16.99	16.57	0.56	0.40
	11. Custom Work	4.32	5.74	0.14	0.14
	12. Operating Interest Paid	4.88	6.99	0.16	0.17
	13. Paid Labour	11.48	7.97	0.38	0.19
	14. Unpaid Labour	11.43	16.07	0.38	0.39
	<b>Variable Costs</b>	<b>242.79</b>	<b>218.35</b>	<b>8.03</b>	<b>5.32</b>
<b>(C)</b>	1. Cash/ Share Land Rent	18.97	13.40	0.63	0.33
	2. Taxes, Water Rates, License & Ins.	5.45	7.74	0.18	0.19
	3. Equipment and Building: a) Depreciation	25.53	28.03	0.84	0.68
	b) Lease Payments	4.58	4.27	0.15	0.10
4. Paid Capital Interest	7.14	15.73	0.24	0.38	
	<b>Capital Costs</b>	<b>61.67</b>	<b>69.17</b>	<b>2.04</b>	<b>1.68</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>267.51</b>	<b>243.41</b>	<b>8.85</b>	<b>5.93</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>304.47</b>	<b>287.51</b>	<b>10.07</b>	<b>7.00</b>
	<b>Gross Margin (A-D)</b>	<b>42.90</b>	<b>79.13</b>	<b>1.42</b>	<b>1.93</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>17.37</b>	<b>51.10</b>	<b>0.57</b>	<b>1.24</b>
	<b>Return to Investment (A-E+C4)</b>	<b>13.08</b>	<b>50.76</b>	<b>0.43</b>	<b>1.24</b>
	<b>Return to Equity (A-E)</b>	<b>5.94</b>	<b>35.03</b>	<b>0.20</b>	<b>0.85</b>

**Investment**

Buildings	85.25	114.75
Machinery	229.36	235.98
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>1182.02</b>	<b>966.70</b>

**Management**

Average Yield (Bushel/acre)	30.22	41.07
Expected Market Price (\$/Bushel)	7.40	6.95

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** *Liberty Link Canola - Own*  
**Soil Zone:** *Black - Dryland - Stubble*  
**Unit:** *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	192.87	--	7.65	--
	2. Crop Insurance Receipts	98.25	--	3.90	--
	3. Other Receipts	1.94	--	0.08	--
	<b>Gross Receipts</b>	<b>293.06</b>	<b>0.00</b>	<b>11.62</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	39.23	--	1.56	--
	2. Fertilizer	61.80	--	2.45	--
	3. Chemical	44.19	--	1.75	--
	4. Hail/Crop Insurance Premium	13.91	--	0.55	--
	5. Trucking and Marketing	3.75	--	0.15	--
	6. Fuel	13.63	--	0.54	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	14.89	--	0.59	--
	9. Repairs - Buildings	1.11	--	0.04	--
	10. Utilities and Miscellaneous	15.10	--	0.60	--
	11. Custom Work	3.23	--	0.13	--
	12. Operating Interest Paid	3.76	--	0.15	--
	13. Paid Labour	9.94	--	0.39	--
	14. Unpaid Labour	11.87	--	0.47	--
	<b>Variable Costs</b>	<b>236.39</b>	<b>0.00</b>	<b>9.37</b>	<b>0.00</b>
<b>(C)</b>	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	7.62	--	0.30	--
	3. Equipment and Building: a) Depreciation	24.39	--	0.97	--
	b) Lease Payments	3.13	--	0.12	--
4. Paid Capital Interest	11.85	--	0.47	--	
	<b>Capital Costs</b>	<b>47.00</b>	<b>0.00</b>	<b>1.86</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs</b>	<b>(B+C-B14-C3a)</b>	<b>247.13</b>	<b>--</b>	<b>9.80</b>
<b>(E)</b>	<b>Total Production Costs</b>	<b>(B+C)</b>	<b>283.40</b>	<b>--</b>	<b>11.24</b>
	<b>Gross Margin</b>	<b>(A-D)</b>	<b>45.93</b>	<b>--</b>	<b>1.82</b>
	<b>Return to Unpaid Labour</b>	<b>(A-E+B14)</b>	<b>21.54</b>	<b>--</b>	<b>0.85</b>
	<b>Return to Investment</b>	<b>(A-E+C4)</b>	<b>21.52</b>	<b>--</b>	<b>0.85</b>
	<b>Return to Equity</b>	<b>(A-E)</b>	<b>9.67</b>	<b>--</b>	<b>0.38</b>

**Investment**

Buildings	84.91	--
Machinery	217.24	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>2121.85</b>	<b>--</b>

**Management**

Average Yield	(Bushel/acre)	25.22	--
Expected Market Price	(\$/Bushel)	7.65	--

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** *Liberty Link Canola - Rent*  
**Soil Zone:** *Black - Dryland - Stubble*  
**Unit:** *Bushel*

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	251.91	--	7.24	--
	2. Crop Insurance Receipts	71.77	--	2.06	--
	3. Other Receipts	2.53	--	0.07	--
	<b>Gross Receipts</b>	<b>326.21</b>	<b>0.00</b>	<b>9.38</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	35.11	--	1.01	--
	2. Fertilizer	75.20	--	2.16	--
	3. Chemical	33.70	--	0.97	--
	4. Hail/Crop Insurance Premium	16.36	--	0.47	--
	5. Trucking and Marketing	4.63	--	0.13	--
	6. Fuel	13.52	--	0.39	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	15.76	--	0.45	--
	9. Repairs - Buildings	0.52	--	0.01	--
	10. Utilities and Miscellaneous	18.70	--	0.54	--
	11. Custom Work	5.31	--	0.15	--
	12. Operating Interest Paid	5.90	--	0.17	--
	13. Paid Labour	12.89	--	0.37	--
	14. Unpaid Labour	11.03	--	0.32	--
	<b>Variable Costs</b>	<b>248.62</b>	<b>0.00</b>	<b>7.15</b>	<b>0.00</b>
<b>(C)</b>	1. Cash/ Share Land Rent	36.25	--	1.04	--
	2. Taxes, Water Rates, License & Ins.	3.47	--	0.10	--
	3. Equipment and Building: a) Depreciation	26.57	--	0.76	--
	b) Lease Payments	5.91	--	0.17	--
4. Paid Capital Interest	2.84	--	0.08	--	
	<b>Capital Costs</b>	<b>75.04</b>	<b>0.00</b>	<b>2.16</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs</b>	<b>(B+C-B14-C3a)</b>	<b>286.06</b>	<b>--</b>	<b>8.22</b>
<b>(E)</b>	<b>Total Production Costs</b>	<b>(B+C)</b>	<b>323.66</b>	<b>--</b>	<b>9.31</b>
	<b>Gross Margin</b>	<b>(A-D)</b>	<b>40.15</b>	<b>--</b>	<b>1.15</b>
	<b>Return to Unpaid Labour</b>	<b>(A-E+B14)</b>	<b>13.58</b>	<b>--</b>	<b>0.39</b>
	<b>Return to Investment</b>	<b>(A-E+C4)</b>	<b>5.39</b>	<b>--</b>	<b>0.15</b>
	<b>Return to Equity</b>	<b>(A-E)</b>	<b>2.55</b>	<b>--</b>	<b>0.07</b>

**Investment**

Buildings	85.56	--
Machinery	240.39	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>325.94</b>	<b>--</b>

**Management**

Average Yield	(Bushel/acre)	34.78	--
Expected Market Price	(\$/Bushel)	7.24	--

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	267.26	351.61	7.42	7.85
	2. Crop Insurance Receipts	13.33	0.55	0.37	0.01
	3. Other Receipts	6.11	12.33	0.17	0.28
	<b>Gross Receipts</b>	<b>286.70</b>	<b>364.49</b>	<b>7.96</b>	<b>8.14</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	23.55	24.79	0.65	0.55
	2. Fertilizer	49.89	43.90	1.39	0.98
	3. Chemical	26.51	18.90	0.74	0.42
	4. Hail/Crop Insurance Premium	9.96	5.68	0.28	0.13
	5. Trucking and Marketing	4.22	2.21	0.12	0.05
	6. Fuel	11.79	12.21	0.33	0.27
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	10.20	10.45	0.28	0.23
	9. Repairs - Buildings	0.87	1.36	0.02	0.03
	10. Utilities and Miscellaneous	10.24	9.71	0.28	0.22
	11. Custom Work	3.68	2.69	0.10	0.06
	12. Operating Interest Paid	3.23	2.84	0.09	0.06
	13. Paid Labour	6.38	8.58	0.18	0.19
	14. Unpaid Labour	10.65	7.80	0.30	0.17
	<b>Variable Costs</b>	<b>171.17</b>	<b>151.11</b>	<b>4.75</b>	<b>3.37</b>
<b>(C)</b>	1. Cash/ Share Land Rent	25.71	24.85	0.71	0.55
	2. Taxes, Water Rates, License & Ins.	4.28	4.32	0.12	0.10
	3. Equipment and Building: a) Depreciation	30.74	32.93	0.85	0.74
	b) Lease Payments	1.88	1.55	0.05	0.03
	4. Paid Capital Interest	7.66	8.34	0.21	0.19
	<b>Capital Costs</b>	<b>70.27</b>	<b>72.00</b>	<b>1.95</b>	<b>1.61</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>200.05</b>	<b>182.37</b>	<b>5.56</b>	<b>4.07</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>241.44</b>	<b>223.11</b>	<b>6.71</b>	<b>4.98</b>
	<b>Gross Margin (A-D)</b>	<b>86.65</b>	<b>182.12</b>	<b>2.41</b>	<b>4.07</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>55.91</b>	<b>149.19</b>	<b>1.55</b>	<b>3.33</b>
	<b>Return to Investment (A-E+C4)</b>	<b>52.92</b>	<b>149.73</b>	<b>1.47</b>	<b>3.34</b>
	<b>Return to Equity (A-E)</b>	<b>45.26</b>	<b>141.39</b>	<b>1.26</b>	<b>3.16</b>

**Investment**

Buildings	75.48	67.25
Machinery	293.33	320.52
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>749.35</b>	<b>797.52</b>

**Management**

Average Yield	(Bushel/acre)	36.00	44.80
Expected Market Price	(\$/Bushel)	7.42	7.85

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	286.11	444.45	7.39	8.00
	2. Crop Insurance Receipts	12.50	0.00	0.32	0.00
	3. Other Receipts	13.16	39.86	0.34	0.72
	<b>Gross Receipts</b>	<b>311.77</b>	<b>484.31</b>	<b>8.06</b>	<b>8.72</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	21.32	17.77	0.55	0.32
	2. Fertilizer	45.39	58.93	1.17	1.06
	3. Chemical	27.68	24.07	0.72	0.43
	4. Hail/Crop Insurance Premium	7.31	0.00	0.19	0.00
	5. Trucking and Marketing	4.70	4.97	0.12	0.09
	6. Fuel	12.19	14.14	0.32	0.25
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	11.71	19.96	0.30	0.36
	9. Repairs - Buildings	1.29	2.83	0.03	0.05
	10. Utilities and Miscellaneous	8.11	11.25	0.21	0.20
	11. Custom Work	4.97	8.98	0.13	0.16
	12. Operating Interest Paid	3.68	4.30	0.10	0.08
	13. Paid Labour	6.06	15.16	0.16	0.27
	14. Unpaid Labour	11.47	8.09	0.30	0.15
	<b>Variable Costs</b>	<b>165.88</b>	<b>190.44</b>	<b>4.29</b>	<b>3.43</b>
<b>(C)</b>	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00
	2. Taxes, Water Rates, License & Ins.	7.43	9.50	0.19	0.17
	3. Equipment and Building: a) Depreciation	37.60	59.62	0.97	1.07
	b) Lease Payments	0.32	0.55	0.01	0.01
	4. Paid Capital Interest	18.95	21.74	0.49	0.39
	<b>Capital Costs</b>	<b>64.30</b>	<b>91.40</b>	<b>1.66</b>	<b>1.65</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>181.11</b>	<b>214.14</b>	<b>4.68</b>	<b>3.85</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>230.18</b>	<b>281.84</b>	<b>5.95</b>	<b>5.07</b>
	<b>Gross Margin (A-D)</b>	<b>130.66</b>	<b>270.18</b>	<b>3.38</b>	<b>4.86</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>93.06</b>	<b>210.56</b>	<b>2.41</b>	<b>3.79</b>
	<b>Return to Investment (A-E+C4)</b>	<b>100.54</b>	<b>224.21</b>	<b>2.60</b>	<b>4.04</b>
	<b>Return to Equity (A-E)</b>	<b>81.59</b>	<b>202.47</b>	<b>2.11</b>	<b>3.64</b>

### Investment

Buildings	85.42	95.61
Machinery	356.97	583.71
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>1664.48</b>	<b>1837.93</b>

### Management

Average Yield (Bushel/acre)	38.69	55.56
Expected Market Price (\$/Bushel)	7.39	8.00

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

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

		----- \$/Acre -----		---- \$/Bushel ----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	258.74	315.79	7.44	7.74
	2. Crop Insurance Receipts	13.70	0.82	0.39	0.02
	3. Other Receipts	2.92	0.30	0.08	0.01
<b>Gross Receipts</b>		<b>275.36</b>	<b>316.91</b>	<b>7.92</b>	<b>7.77</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	24.56	28.37	0.71	0.70
	2. Fertilizer	51.92	37.07	1.49	0.91
	3. Chemical	25.98	16.44	0.75	0.40
	4. Hail/Crop Insurance Premium	11.16	7.69	0.32	0.19
	5. Trucking and Marketing	4.01	1.00	0.12	0.02
	6. Fuel	11.60	11.38	0.33	0.28
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	9.52	6.37	0.27	0.16
	9. Repairs - Buildings	0.67	0.74	0.02	0.02
	10. Utilities and Miscellaneous	11.21	9.34	0.32	0.23
	11. Custom Work	3.09	0.00	0.09	0.00
	12. Operating Interest Paid	3.02	2.28	0.09	0.06
	13. Paid Labour	6.53	5.93	0.19	0.15
	14. Unpaid Labour	10.28	7.13	0.30	0.17
<b>Variable Costs</b>		<b>173.56</b>	<b>133.74</b>	<b>4.99</b>	<b>3.28</b>
<b>(C)</b>	1. Cash/ Share Land Rent	37.33	39.23	1.07	0.96
	2. Taxes, Water Rates, License & Ins.	2.86	1.66	0.08	0.04
	3. Equipment and Building: a) Depreciation	27.63	21.59	0.79	0.53
	b) Lease Payments	2.59	2.10	0.07	0.05
	4. Paid Capital Interest	2.55	2.80	0.07	0.07
<b>Capital Costs</b>		<b>72.97</b>	<b>67.38</b>	<b>2.10</b>	<b>1.65</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>208.61</b>	<b>172.40</b>	<b>6.00</b>	<b>4.22</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>246.53</b>	<b>201.12</b>	<b>7.09</b>	<b>4.93</b>
	<b>Gross Margin (A-D)</b>	<b>66.75</b>	<b>144.51</b>	<b>1.92</b>	<b>3.54</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>39.11</b>	<b>122.92</b>	<b>1.12</b>	<b>3.01</b>
	<b>Return to Investment (A-E+C4)</b>	<b>31.38</b>	<b>118.59</b>	<b>0.90</b>	<b>2.91</b>
	<b>Return to Equity (A-E)</b>	<b>28.83</b>	<b>115.79</b>	<b>0.83</b>	<b>2.84</b>

**Investment**

Buildings	70.99	54.00
Machinery	264.55	209.38
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>335.54</b>	<b>263.37</b>

**Management**

Average Yield (Bushel/acre)	34.78	40.81
Expected Market Price (\$/Bushel)	7.44	7.74

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

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

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	98.63	120.44	52.73	50.99
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00
	3. Other Receipts	4.59	6.97	2.45	2.95
	<b>Gross Receipts</b>	<b>103.22</b>	<b>127.40</b>	<b>55.18</b>	<b>53.94</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	0.21	0.48	0.11	0.20
	2. Fertilizer	1.71	0.00	0.91	0.00
	3. Chemical	0.96	2.15	0.51	0.91
	4. Hail/Crop Insurance Premium	0.93	0.43	0.50	0.18
	5. Trucking and Marketing	0.00	0.00	0.00	0.00
	6. Fuel	11.46	12.19	6.13	5.16
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	9.75	8.85	5.21	3.75
	9. Repairs - Buildings	0.68	0.03	0.36	0.01
	10. Utilities and Miscellaneous	6.25	3.97	3.34	1.68
	11. Custom Work	4.08	4.16	2.18	1.76
	12. Operating Interest Paid	0.93	0.15	0.50	0.07
	13. Paid Labour	6.74	11.15	3.60	4.72
	14. Unpaid Labour	11.69	8.24	6.25	3.49
	<b>Variable Costs</b>	<b>55.39</b>	<b>51.79</b>	<b>29.61</b>	<b>21.93</b>
<b>(C)</b>	1. Cash/ Share Land Rent	16.39	9.59	8.76	4.06
	2. Taxes, Water Rates, License & Ins.	4.12	2.47	2.20	1.05
	3. Equipment and Building: a) Depreciation	24.84	16.02	13.28	6.78
	b) Lease Payments	2.56	1.32	1.37	0.56
4. Paid Capital Interest	3.77	0.00	2.02	0.00	
	<b>Capital Costs</b>	<b>51.68</b>	<b>29.41</b>	<b>27.63</b>	<b>12.45</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>70.54</b>	<b>56.94</b>	<b>37.71</b>	<b>24.11</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>107.06</b>	<b>81.21</b>	<b>57.24</b>	<b>34.38</b>
	<b>Gross Margin (A-D)</b>	<b>32.69</b>	<b>70.46</b>	<b>17.47</b>	<b>29.83</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>7.85</b>	<b>54.44</b>	<b>4.20</b>	<b>23.05</b>
	<b>Return to Investment (A-E+C4)</b>	<b>(0.07)</b>	<b>46.20</b>	<b>(0.04)</b>	<b>19.56</b>
	<b>Return to Equity (A-E)</b>	<b>(3.84)</b>	<b>46.20</b>	<b>(2.05)</b>	<b>19.56</b>

**Investment**

Buildings	59.75	45.74
Machinery	230.65	150.00
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>861.05</b>	<b>822.97</b>

**Management**

Average Yield (Tonne/acre)	1.87	2.36
Expected Market Price (\$/Tonne)	52.73	50.99

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** *Mixed Hay - Own*  
**Soil Zone:** *Black - Dryland - Stubble*  
**Unit:** *Tonne*

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	105.58	114.56	52.07	49.60
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00
	3. Other Receipts	9.35	8.88	4.61	3.85
<b>Gross Receipts</b>		<b>114.93</b>	<b>123.44</b>	<b>56.68</b>	<b>53.45</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	0.44	0.61	0.22	0.27
	2. Fertilizer	0.00	0.00	0.00	0.00
	3. Chemical	1.95	2.74	0.96	1.19
	4. Hail/Crop Insurance Premium	0.29	0.00	0.14	0.00
	5. Trucking and Marketing	0.00	0.00	0.00	0.00
	6. Fuel	14.05	13.91	6.93	6.02
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	10.79	9.44	5.32	4.09
	9. Repairs - Buildings	0.46	0.00	0.23	0.00
	10. Utilities and Miscellaneous	6.58	3.56	3.24	1.54
	11. Custom Work	4.58	3.68	2.26	1.59
	12. Operating Interest Paid	0.33	0.00	0.16	0.00
	13. Paid Labour	10.64	14.23	5.25	6.16
	14. Unpaid Labour	8.55	6.70	4.21	2.90
<b>Variable Costs</b>		<b>58.65</b>	<b>54.87</b>	<b>28.93</b>	<b>23.76</b>
<b>(C)</b>	1. Cash/ Share Land Rent	0.00	0.00	0.00	0.00
	2. Taxes, Water Rates, License & Ins.	5.10	2.57	2.52	1.11
	3. Equipment and Building: a) Depreciation	28.51	18.52	14.06	8.02
	b) Lease Payments	0.06	0.00	0.03	0.00
	4. Paid Capital Interest	7.10	0.00	3.50	0.00
<b>Capital Costs</b>		<b>40.77</b>	<b>21.09</b>	<b>20.11</b>	<b>9.13</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>62.37</b>	<b>50.74</b>	<b>30.76</b>	<b>21.97</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>99.42</b>	<b>75.95</b>	<b>49.04</b>	<b>32.89</b>
	<b>Gross Margin (A-D)</b>	<b>52.55</b>	<b>72.70</b>	<b>25.92</b>	<b>31.48</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>24.05</b>	<b>54.18</b>	<b>11.86</b>	<b>23.46</b>
	<b>Return to Investment (A-E+C4)</b>	<b>22.61</b>	<b>47.48</b>	<b>11.15</b>	<b>20.56</b>
	<b>Return to Equity (A-E)</b>	<b>15.50</b>	<b>47.48</b>	<b>7.65</b>	<b>20.56</b>

**Investment**

Buildings	74.45	51.42
Machinery	256.09	171.32
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>1492.56</b>	<b>1022.74</b>

**Management**

Average Yield (Tonne/acre)	2.03	2.31
Expected Market Price (\$/Tonne)	52.07	49.60



## 2006 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** *Mixed Hay - Rent*  
**Soil Zone:** *Black - Dryland - Stubble*  
**Unit:** *Tonne*

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	91.93	129.76	53.48	54.30
	2. Crop Insurance Receipts	0.00	0.00	0.00	0.00
	3. Other Receipts	0.00	0.00	0.00	0.00
<b>Gross Receipts</b>		<b>91.93</b>	<b>129.76</b>	<b>53.48</b>	<b>54.30</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	0.00	0.00	0.00	0.00
	2. Fertilizer	3.36	0.00	1.96	0.00
	3. Chemical	0.00	0.00	0.00	0.00
	4. Hail/Crop Insurance Premium	1.55	2.29	0.90	0.96
	5. Trucking and Marketing	0.00	0.00	0.00	0.00
	6. Fuel	8.97	6.07	5.22	2.54
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	8.75	6.57	5.09	2.75
	9. Repairs - Buildings	0.88	0.13	0.51	0.06
	10. Utilities and Miscellaneous	5.93	4.77	3.45	1.99
	11. Custom Work	3.59	6.22	2.09	2.60
	12. Operating Interest Paid	1.51	0.79	0.88	0.33
	13. Paid Labour	2.97	0.00	1.73	0.00
	14. Unpaid Labour	14.73	13.72	8.57	5.74
<b>Variable Costs</b>		<b>52.24</b>	<b>40.56</b>	<b>30.39</b>	<b>16.97</b>
<b>(C)</b>	1. Cash/ Share Land Rent	32.21	40.94	18.74	17.13
	2. Taxes, Water Rates, License & Ins.	3.17	1.72	1.84	0.72
	3. Equipment and Building: a) Depreciation	21.29	7.17	12.39	3.00
	b) Lease Payments	4.97	6.82	2.89	2.85
	4. Paid Capital Interest	0.56	0.00	0.32	0.00
<b>Capital Costs</b>		<b>62.20</b>	<b>56.65</b>	<b>36.19</b>	<b>23.71</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>78.41</b>	<b>76.32</b>	<b>45.62</b>	<b>31.94</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>114.43</b>	<b>97.21</b>	<b>66.58</b>	<b>40.68</b>
	<b>Gross Margin (A-D)</b>	<b>13.51</b>	<b>53.44</b>	<b>7.86</b>	<b>22.36</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>(7.78)</b>	<b>46.27</b>	<b>(4.53)</b>	<b>19.36</b>
	<b>Return to Investment (A-E+C4)</b>	<b>(21.95)</b>	<b>32.55</b>	<b>(12.77)</b>	<b>13.62</b>
	<b>Return to Equity (A-E)</b>	<b>(22.51)</b>	<b>32.55</b>	<b>(13.10)</b>	<b>13.62</b>

**Investment**

Buildings	45.55	24.14
Machinery	206.10	76.73
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>251.66</b>	<b>100.88</b>

**Management**

Average Yield (Tonne/acre)	1.72	2.39
Expected Market Price (\$/Tonne)	53.48	54.30

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** Native/Slough Grass Hay - All  
**Soil Zone:** Black - Dryland - Stubble  
**Unit:** Tonne

		----- \$/Acre -----		----- \$/Tonne -----		
		Average	Top 1/3	Average	Top 1/3	
<b>(A)</b>	1. Crop Sales	81.91	--	42.59	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	0.00	--	0.00	--	
	<b>Gross Receipts</b>	<b>81.91</b>	<b>0.00</b>	<b>42.59</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	6.72	--	3.49	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	6.04	--	3.14	--	
	9. Repairs - Buildings	4.47	--	2.32	--	
	10. Utilities and Miscellaneous	9.82	--	5.11	--	
	11. Custom Work	0.00	--	0.00	--	
	12. Operating Interest Paid	0.11	--	0.06	--	
	13. Paid Labour	0.00	--	0.00	--	
	14. Unpaid Labour	23.79	--	12.37	--	
<b>Variable Costs</b>	<b>50.95</b>	<b>0.00</b>	<b>26.50</b>	<b>0.00</b>		
<b>(C)</b>	1. Cash/ Share Land Rent	9.68	--	5.03	--	
	2. Taxes, Water Rates, License & Ins.	3.81	--	1.98	--	
	3. Equipment and Building:	a) Depreciation	60.78	--	31.61	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	2.54	--	1.32	--	
<b>Capital Costs</b>	<b>76.81</b>	<b>0.00</b>	<b>39.94</b>	<b>0.00</b>		
<b>(D)</b>	<b>Cash Costs</b>	<b>43.19</b>	--	<b>22.46</b>	--	
<b>(E)</b>	<b>Total Production Costs</b>	<b>127.76</b>	--	<b>66.44</b>	--	
	<b>Gross Margin</b>	<b>38.72</b>	--	<b>20.13</b>	--	
	<b>Return to Unpaid Labour</b>	<b>(22.06)</b>	--	<b>(11.47)</b>	--	
	<b>Return to Investment</b>	<b>(43.31)</b>	--	<b>(22.52)</b>	--	
	<b>Return to Equity</b>	<b>(45.85)</b>	--	<b>(23.84)</b>	--	

**Investment**

Buildings	46.12	--
Machinery	626.28	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>1413.70</b>	--

**Management**

Average Yield	(Tonne/acre)	1.92	--
Expected Market Price	(\$/Tonne)	42.59	--

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** *Export Timothy - All*  
**Soil Zone:** *Black - Dryland - Stubble*  
**Unit:** *Tonne*

		----- \$/Acre -----		----- \$/Tonne -----		
		Average	Top 1/3	Average	Top 1/3	
<b>(A)</b>	1. Crop Sales	381.02	--	148.11	--	
	2. Crop Insurance Receipts	0.00	--	0.00	--	
	3. Other Receipts	0.21	--	0.08	--	
	<b>Gross Receipts</b>	<b>381.23</b>	<b>0.00</b>	<b>148.19</b>	<b>0.00</b>	
<b>(B)</b>	<b>Cost Items</b>					
	1. Seed	0.00	--	0.00	--	
	2. Fertilizer	34.71	--	13.49	--	
	3. Chemical	16.58	--	6.44	--	
	4. Hail/Crop Insurance Premium	0.00	--	0.00	--	
	5. Trucking and Marketing	0.00	--	0.00	--	
	6. Fuel	20.25	--	7.87	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	17.36	--	6.75	--	
	9. Repairs - Buildings	0.51	--	0.20	--	
	10. Utilities and Miscellaneous	11.84	--	4.60	--	
	11. Custom Work	3.04	--	1.18	--	
	12. Operating Interest Paid	0.00	--	0.00	--	
	13. Paid Labour	25.13	--	9.77	--	
14. Unpaid Labour	9.03	--	3.51	--		
	<b>Variable Costs</b>	<b>138.45</b>	<b>0.00</b>	<b>53.82</b>	<b>0.00</b>	
<b>(C)</b>	1. Cash/ Share Land Rent	9.80	--	3.81	--	
	2. Taxes, Water Rates, License & Ins.	7.45	--	2.89	--	
	3. Equipment and Building: a) Depreciation	30.11	--	11.71	--	
	b) Lease Payments	0.00	--	0.00	--	
4. Paid Capital Interest	0.00	--	0.00	--		
	<b>Capital Costs</b>	<b>47.36</b>	<b>0.00</b>	<b>18.41</b>	<b>0.00</b>	
<b>(D)</b>	<b>Cash Costs</b>	<b>(B+C-B14-C3a)</b>	<b>146.67</b>	<b>--</b>	<b>57.01</b>	<b>--</b>
<b>(E)</b>	<b>Total Production Costs</b>	<b>(B+C)</b>	<b>185.81</b>	<b>--</b>	<b>72.23</b>	<b>--</b>
	<b>Gross Margin</b>	<b>(A-D)</b>	<b>234.56</b>	<b>--</b>	<b>91.18</b>	<b>--</b>
	<b>Return to Unpaid Labour</b>	<b>(A-E+B14)</b>	<b>204.44</b>	<b>--</b>	<b>79.47</b>	<b>--</b>
	<b>Return to Investment</b>	<b>(A-E+C4)</b>	<b>195.42</b>	<b>--</b>	<b>75.96</b>	<b>--</b>
	<b>Return to Equity</b>	<b>(A-E)</b>	<b>195.42</b>	<b>--</b>	<b>75.96</b>	<b>--</b>

**Investment**

Buildings	96.42	--
Machinery	275.70	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>2207.42</b>	<b>--</b>

**Management**

Average Yield	(Tonne/acre)	2.57	--
Expected Market Price	(\$/Tonne)	148.11	--

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** *Export Timothy - Own*  
**Soil Zone:** *Black - Dryland - Stubble*  
**Unit:** *Tonne*

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	383.79	--	146.17	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	0.21	--	0.08	--
	<b>Gross Receipts</b>	<b>384.00</b>	<b>0.00</b>	<b>146.25</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	0.00	--	0.00	--
	2. Fertilizer	33.91	--	12.91	--
	3. Chemical	17.49	--	6.66	--
	4. Hail/Crop Insurance Premium	0.00	--	0.00	--
	5. Trucking and Marketing	0.00	--	0.00	--
	6. Fuel	20.25	--	7.71	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	17.36	--	6.61	--
	9. Repairs - Buildings	0.51	--	0.20	--
	10. Utilities and Miscellaneous	12.00	--	4.57	--
	11. Custom Work	3.97	--	1.51	--
	12. Operating Interest Paid	0.00	--	0.00	--
	13. Paid Labour	25.13	--	9.57	--
14. Unpaid Labour	9.03	--	3.44	--	
	<b>Variable Costs</b>	<b>139.65</b>	<b>0.00</b>	<b>53.19</b>	<b>0.00</b>
<b>(C)</b>	1. Cash/ Share Land Rent	0.00	--	0.00	--
	2. Taxes, Water Rates, License & Ins.	8.05	--	3.07	--
	3. Equipment and Building: a) Depreciation	30.11	--	11.47	--
	b) Lease Payments	0.00	--	0.00	--
4. Paid Capital Interest	0.00	--	0.00	--	
	<b>Capital Costs</b>	<b>38.17</b>	<b>0.00</b>	<b>14.54</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>138.68</b>	--	<b>52.82</b>	--
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>177.82</b>	--	<b>67.73</b>	--
	<b>Gross Margin (A-D)</b>	<b>245.32</b>	--	<b>93.43</b>	--
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>215.21</b>	--	<b>81.96</b>	--
	<b>Return to Investment (A-E+C4)</b>	<b>206.18</b>	--	<b>78.53</b>	--
	<b>Return to Equity (A-E)</b>	<b>206.18</b>	--	<b>78.53</b>	--

**Investment**

Buildings	96.42	--
Machinery	275.70	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>2772.12</b>	--

**Management**

Average Yield (Tonne/acre)	2.63	--
Expected Market Price (\$/Tonne)	146.17	--

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** *Standing Forage - Purchased - All*  
**Soil Zone:** *Black - Dryland - Stubble*  
**Unit:** *Tonne*

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	114.71	--	31.32	--
	2. Crop Insurance Receipts	1.98	--	0.54	--
	3. Other Receipts	0.12	--	0.03	--
	<b>Gross Receipts</b>	<b>116.80</b>	<b>0.00</b>	<b>31.89</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	0.00	--	0.00	--
	2. Fertilizer	6.23	--	1.70	--
	3. Chemical	0.00	--	0.00	--
	4. Hail/Crop Insurance Premium	2.09	--	0.57	--
	5. Trucking and Marketing	0.00	--	0.00	--
	6. Fuel	13.75	--	3.75	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	12.30	--	3.36	--
	9. Repairs - Buildings	0.64	--	0.17	--
	10. Utilities and Miscellaneous	10.28	--	2.81	--
	11. Custom Work	16.01	--	4.37	--
	12. Operating Interest Paid	0.01	--	0.00	--
	13. Paid Labour	13.77	--	3.76	--
14. Unpaid Labour	6.53	--	1.78	--	
	<b>Variable Costs</b>	<b>81.61</b>	<b>0.00</b>	<b>22.28</b>	<b>0.00</b>
<b>(C)</b>	1. Cash/ Share Land Rent	40.46	--	11.05	--
	2. Taxes, Water Rates, License & Ins.	5.30	--	1.45	--
	3. Equipment and Building: a) Depreciation	26.35	--	7.19	--
	b) Lease Payments	0.00	--	0.00	--
4. Paid Capital Interest	0.05	--	0.01	--	
	<b>Capital Costs</b>	<b>72.17</b>	<b>0.00</b>	<b>19.70</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>120.90</b>	--	<b>33.01</b>	--
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>153.78</b>	--	<b>41.98</b>	--
	<b>Gross Margin (A-D)</b>	<b>(4.10)</b>	--	<b>(1.12)</b>	--
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>(30.44)</b>	--	<b>(8.31)</b>	--
	<b>Return to Investment (A-E+C4)</b>	<b>(36.92)</b>	--	<b>(10.08)</b>	--
	<b>Return to Equity (A-E)</b>	<b>(36.98)</b>	--	<b>(10.09)</b>	--

**Investment**

Buildings	78.15	--
Machinery	237.97	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>1008.43</b>	--

**Management**

Average Yield (Tonne/acre)	3.66	--
Expected Market Price (\$/Tonne)	31.32	--

## 2006 Crop Enterprise Analysis

*AgriProfit*®

**Crop:** Greenfeed - All  
**Soil Zone:** Black - Dryland - Stubble  
**Unit:** Tonne

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	39.51	--	56.32	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	2.46	--	3.51	--
	<b>Gross Receipts</b>	<b>41.97</b>	<b>0.00</b>	<b>59.83</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	10.02	--	14.29	--
	2. Fertilizer	27.72	--	39.51	--
	3. Chemical	4.05	--	5.78	--
	4. Hail/Crop Insurance Premium	1.71	--	2.44	--
	5. Trucking and Marketing	0.92	--	1.31	--
	6. Fuel	15.65	--	22.31	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	10.45	--	14.90	--
	9. Repairs - Buildings	1.00	--	1.42	--
	10. Utilities and Miscellaneous	7.20	--	10.26	--
	11. Custom Work	1.68	--	2.40	--
	12. Operating Interest Paid	1.77	--	2.53	--
	13. Paid Labour	0.00	--	0.00	--
	14. Unpaid Labour	13.96	--	19.90	--
	<b>Variable Costs</b>	<b>96.13</b>	<b>0.00</b>	<b>137.05</b>	<b>0.00</b>
<b>(C)</b>	1. Cash/ Share Land Rent	22.29	--	31.77	--
	2. Taxes, Water Rates, License & Ins.	5.69	--	8.11	--
	3. Equipment and Building: a) Depreciation	27.09	--	38.63	--
	b) Lease Payments	1.59	--	2.27	--
4. Paid Capital Interest	3.28	--	4.68	--	
	<b>Capital Costs</b>	<b>59.94</b>	<b>0.00</b>	<b>85.45</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>115.02</b>	--	<b>163.97</b>	--
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>156.07</b>	--	<b>222.50</b>	--
	<b>Gross Margin (A-D)</b>	<b>(73.05)</b>	--	<b>(104.14)</b>	--
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>(100.15)</b>	--	<b>(142.77)</b>	--
	<b>Return to Investment (A-E+C4)</b>	<b>(110.82)</b>	--	<b>(157.99)</b>	--
	<b>Return to Equity (A-E)</b>	<b>(114.11)</b>	--	<b>(162.67)</b>	--

**Investment**

Buildings	88.62	--
Machinery	238.08	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>569.90</b>	--

**Management**

Average Yield (Tonne/acre)	0.70	--
Expected Market Price (\$/Tonne)	56.32	--

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** Greenfeed - Rent  
**Soil Zone:** Black - Dryland - Stubble  
**Unit:** Tonne

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	31.96	--	50.45	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	0.00	--	0.00	--
	<b>Gross Receipts</b>	<b>31.96</b>	<b>0.00</b>	<b>50.45</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	11.09	--	17.50	--
	2. Fertilizer	30.15	--	47.58	--
	3. Chemical	3.25	--	5.12	--
	4. Hail/Crop Insurance Premium	0.00	--	0.00	--
	5. Trucking and Marketing	0.00	--	0.00	--
	6. Fuel	16.15	--	25.49	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	9.09	--	14.35	--
	9. Repairs - Buildings	0.96	--	1.51	--
	10. Utilities and Miscellaneous	5.84	--	9.22	--
	11. Custom Work	2.12	--	3.35	--
	12. Operating Interest Paid	1.46	--	2.30	--
	13. Paid Labour	0.00	--	0.00	--
14. Unpaid Labour	13.60	--	21.46	--	
<b>Variable Costs</b>	<b>93.69</b>	<b>0.00</b>	<b>147.89</b>	<b>0.00</b>	
<b>(C)</b>	1. Cash/ Share Land Rent	28.17	--	44.46	--
	2. Taxes, Water Rates, License & Ins.	4.34	--	6.84	--
	3. Equipment and Building: a) Depreciation	22.50	--	35.51	--
	b) Lease Payments	2.01	--	3.17	--
4. Paid Capital Interest	0.93	--	1.46	--	
<b>Capital Costs</b>	<b>57.94</b>	<b>0.00</b>	<b>91.45</b>	<b>0.00</b>	
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>115.54</b>	--	<b>182.37</b>	--
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>151.63</b>	--	<b>239.35</b>	--
	<b>Gross Margin (A-D)</b>	<b>(83.58)</b>	--	<b>(131.93)</b>	--
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>(106.08)</b>	--	<b>(167.44)</b>	--
	<b>Return to Investment (A-E+C4)</b>	<b>(118.75)</b>	--	<b>(187.44)</b>	--
	<b>Return to Equity (A-E)</b>	<b>(119.67)</b>	--	<b>(188.90)</b>	--

**Investment**

Buildings	61.14	--
Machinery	204.11	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>265.25</b>	--

**Management**

Average Yield	(Tonne/acre)	0.63	--
Expected Market Price	(\$/Tonne)	50.45	--

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

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

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	169.14	280.00	36.89	44.09
	2. Crop Insurance Receipts	0.11	0.00	0.02	0.00
	3. Other Receipts	6.14	11.23	1.34	1.77
	<b>Gross Receipts</b>	<b>175.38</b>	<b>291.23</b>	<b>38.25</b>	<b>45.86</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	9.13	10.75	1.99	1.69
	2. Fertilizer	38.12	29.38	8.31	4.63
	3. Chemical	10.92	10.12	2.38	1.59
	4. Hail/Crop Insurance Premium	5.58	2.18	1.22	0.34
	5. Trucking and Marketing	0.00	0.00	0.00	0.00
	6. Fuel	21.01	14.40	4.58	2.27
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	6.02	7.00	1.31	1.10
	9. Repairs - Buildings	2.16	0.00	0.47	0.00
	10. Utilities and Miscellaneous	6.53	6.65	1.42	1.05
	11. Custom Work	12.37	45.50	2.70	7.16
	12. Operating Interest Paid	0.67	0.00	0.15	0.00
	13. Paid Labour	1.73	0.00	0.38	0.00
	14. Unpaid Labour	17.54	13.47	3.83	2.12
	<b>Variable Costs</b>	<b>131.79</b>	<b>139.46</b>	<b>28.74</b>	<b>21.96</b>
<b>(C)</b>	1. Cash/ Share Land Rent	17.10	40.86	3.73	6.43
	2. Taxes, Water Rates, License & Ins.	5.35	6.16	1.17	0.97
	3. Equipment and Building: a) Depreciation	33.31	4.73	7.26	0.74
	b) Lease Payments	0.00	0.00	0.00	0.00
	4. Paid Capital Interest	3.05	0.00	0.67	0.00
	<b>Capital Costs</b>	<b>58.81</b>	<b>51.75</b>	<b>12.83</b>	<b>8.15</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>139.75</b>	<b>173.02</b>	<b>30.48</b>	<b>27.24</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>190.60</b>	<b>191.21</b>	<b>41.57</b>	<b>30.11</b>
	<b>Gross Margin (A-D)</b>	<b>35.63</b>	<b>118.21</b>	<b>7.77</b>	<b>18.62</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>2.32</b>	<b>113.49</b>	<b>0.51</b>	<b>17.87</b>
	<b>Return to Investment (A-E+C4)</b>	<b>(12.17)</b>	<b>100.02</b>	<b>(2.65)</b>	<b>15.75</b>
	<b>Return to Equity (A-E)</b>	<b>(15.22)</b>	<b>100.02</b>	<b>(3.32)</b>	<b>15.75</b>

### Investment

Buildings	49.33	30.32
Machinery	328.86	32.24
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>1350.28</b>	<b>555.52</b>

### Management

Average Yield (Tonne/acre)	4.59	6.35
Expected Market Price (\$/Tonne)	36.89	44.09



## 2006 Crop Enterprise Analysis

*AgriProfit\$*

**Crop:** Grain Silage - Own  
**Soil Zone:** Black - Dryland - Stubble  
**Unit:** Tonne

		----- \$/Acre -----		----- \$/Tonne -----		
		Average	Top 1/3	Average	Top 1/3	
<b>(A)</b>	1. Crop Sales	190.71	--	36.27	--	
	2. Crop Insurance Receipts	0.19	--	0.04	--	
	3. Other Receipts	2.14	--	0.41	--	
	<b>Gross Receipts</b>	<b>193.04</b>	<b>0.00</b>	<b>36.72</b>	<b>0.00</b>	
<b>(B)</b>	<b>Cost Items</b>					
	1. Seed	9.00	--	1.71	--	
	2. Fertilizer	39.09	--	7.43	--	
	3. Chemical	6.77	--	1.29	--	
	4. Hail/Crop Insurance Premium	6.86	--	1.30	--	
	5. Trucking and Marketing	0.00	--	0.00	--	
	6. Fuel	22.52	--	4.28	--	
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--	
	8. Repairs - Machinery	6.45	--	1.23	--	
	9. Repairs - Buildings	1.91	--	0.36	--	
	10. Utilities and Miscellaneous	5.79	--	1.10	--	
	11. Custom Work	6.23	--	1.19	--	
	12. Operating Interest Paid	1.19	--	0.23	--	
	13. Paid Labour	3.10	--	0.59	--	
	14. Unpaid Labour	16.34	--	3.11	--	
<b>Variable Costs</b>	<b>125.25</b>	<b>0.00</b>	<b>23.82</b>	<b>0.00</b>		
<b>(C)</b>	1. Cash/ Share Land Rent	0.00	--	0.00	--	
	2. Taxes, Water Rates, License & Ins.	7.06	--	1.34	--	
	3. Equipment and Building:	a) Depreciation	30.43	--	5.79	--
		b) Lease Payments	0.00	--	0.00	--
	4. Paid Capital Interest	4.43	--	0.84	--	
<b>Capital Costs</b>	<b>41.92</b>	<b>0.00</b>	<b>7.97</b>	<b>0.00</b>		
<b>(D)</b>	<b>Cash Costs</b>	<b>(B+C-B14-C3a)</b>	<b>120.40</b>	<b>--</b>	<b>22.90</b>	<b>--</b>
<b>(E)</b>	<b>Total Production Costs</b>	<b>(B+C)</b>	<b>167.17</b>	<b>--</b>	<b>31.80</b>	<b>--</b>
	<b>Gross Margin</b>	<b>(A-D)</b>	<b>72.65</b>	<b>--</b>	<b>13.82</b>	<b>--</b>
	<b>Return to Unpaid Labour</b>	<b>(A-E+B14)</b>	<b>42.22</b>	<b>--</b>	<b>8.03</b>	<b>--</b>
	<b>Return to Investment</b>	<b>(A-E+C4)</b>	<b>30.31</b>	<b>--</b>	<b>5.76</b>	<b>--</b>
	<b>Return to Equity</b>	<b>(A-E)</b>	<b>25.87</b>	<b>--</b>	<b>4.92</b>	<b>--</b>

**Investment**

Buildings	56.25	--
Machinery	294.86	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>2094.73</b>	<b>--</b>

**Management**

Average Yield	(Tonne/acre)	5.26	--
Expected Market Price	(\$/Tonne)	36.27	--

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

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

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	141.95	--	37.97	--
	2. Crop Insurance Receipts	0.00	--	0.00	--
	3. Other Receipts	11.18	--	2.99	--
	<b>Gross Receipts</b>	<b>153.13</b>	<b>0.00</b>	<b>40.96</b>	<b>0.00</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	9.30	--	2.49	--
	2. Fertilizer	36.90	--	9.87	--
	3. Chemical	16.16	--	4.32	--
	4. Hail/Crop Insurance Premium	3.98	--	1.06	--
	5. Trucking and Marketing	0.00	--	0.00	--
	6. Fuel	19.11	--	5.11	--
	7. Irrigation Fuel and Electricity	0.00	--	0.00	--
	8. Repairs - Machinery	5.48	--	1.47	--
	9. Repairs - Buildings	2.49	--	0.67	--
	10. Utilities and Miscellaneous	7.47	--	2.00	--
	11. Custom Work	20.09	--	5.38	--
	12. Operating Interest Paid	0.02	--	0.01	--
	13. Paid Labour	0.00	--	0.00	--
	14. Unpaid Labour	19.05	--	5.09	--
	<b>Variable Costs</b>	<b>140.04</b>	<b>0.00</b>	<b>37.46</b>	<b>0.00</b>
<b>(C)</b>	1. Cash/ Share Land Rent	38.64	--	10.34	--
	2. Taxes, Water Rates, License & Ins.	3.20	--	0.86	--
	3. Equipment and Building: a) Depreciation	36.94	--	9.88	--
	b) Lease Payments	0.00	--	0.00	--
4. Paid Capital Interest	1.31	--	0.35	--	
	<b>Capital Costs</b>	<b>80.09</b>	<b>0.00</b>	<b>21.42</b>	<b>0.00</b>
<b>(D)</b>	<b>Cash Costs</b>	<b>(B+C-B14-C3a)</b>	<b>164.14</b>	<b>--</b>	<b>43.91</b>
<b>(E)</b>	<b>Total Production Costs</b>	<b>(B+C)</b>	<b>220.12</b>	<b>--</b>	<b>58.89</b>
	<b>Gross Margin</b>	<b>(A-D)</b>	<b>(11.01)</b>	<b>--</b>	<b>(2.94)</b>
	<b>Return to Unpaid Labour</b>	<b>(A-E+B14)</b>	<b>(47.95)</b>	<b>--</b>	<b>(12.83)</b>
	<b>Return to Investment</b>	<b>(A-E+C4)</b>	<b>(65.69)</b>	<b>--</b>	<b>(17.57)</b>
	<b>Return to Equity</b>	<b>(A-E)</b>	<b>(67.00)</b>	<b>--</b>	<b>(17.92)</b>

**Investment**

Buildings	40.62	--
Machinery	371.70	--
Irrigation Machinery	0.00	--
<b>Total (incl. Land)</b>	<b>412.32</b>	<b>--</b>

**Management**

Average Yield	(Tonne/acre)	3.74	--
Expected Market Price	(\$/Tonne)	37.97	--

## 2006 Crop Enterprise Analysis

*AgriProfit\$*

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

		----- \$/Acre -----		----- \$/Tonne -----	
		Average	Top 1/3	Average	Top 1/3
<b>(A)</b>	1. Crop Sales	83.07	111.24	34.32	42.07
	2. Crop Insurance Receipts	10.51	0.00	4.34	0.00
	3. Other Receipts	7.15	14.40	2.95	5.45
	<b>Gross Receipts</b>	<b>100.72</b>	<b>125.64</b>	<b>41.62</b>	<b>47.52</b>
<b>(B)</b>	<b>Cost Items</b>				
	1. Seed	6.32	9.53	2.61	3.60
	2. Fertilizer	5.80	5.60	2.39	2.12
	3. Chemical	0.92	0.00	0.38	0.00
	4. Hail/Crop Insurance Premium	1.28	0.00	0.53	0.00
	5. Trucking and Marketing	0.00	0.00	0.00	0.00
	6. Fuel	6.94	4.35	2.87	1.65
	7. Irrigation Fuel and Electricity	0.00	0.00	0.00	0.00
	8. Repairs - Machinery	4.26	4.15	1.76	1.57
	9. Repairs - Buildings	1.35	0.31	0.56	0.12
	10. Utilities and Miscellaneous	4.08	2.00	1.68	0.76
	11. Custom Work	6.77	9.17	2.80	3.47
	12. Operating Interest Paid	0.00	0.00	0.00	0.00
	13. Paid Labour	1.05	1.17	0.43	0.44
	14. Unpaid Labour	6.37	3.76	2.63	1.42
	<b>Variable Costs</b>	<b>45.15</b>	<b>40.04</b>	<b>18.66</b>	<b>15.14</b>
<b>(C)</b>	1. Cash/ Share Land Rent	6.75	5.32	2.79	2.01
	2. Taxes, Water Rates, License & Ins.	5.32	6.00	2.20	2.27
	3. Equipment and Building: a) Depreciation	16.30	2.31	6.73	0.87
	b) Lease Payments	0.00	0.00	0.00	0.00
4. Paid Capital Interest	14.73	9.57	6.09	3.62	
	<b>Capital Costs</b>	<b>43.09</b>	<b>23.21</b>	<b>17.80</b>	<b>8.78</b>
<b>(D)</b>	<b>Cash Costs (B+C-B14-C3a)</b>	<b>65.57</b>	<b>57.18</b>	<b>27.09</b>	<b>21.62</b>
<b>(E)</b>	<b>Total Production Costs (B+C)</b>	<b>88.23</b>	<b>63.25</b>	<b>36.46</b>	<b>23.92</b>
	<b>Gross Margin (A-D)</b>	<b>35.16</b>	<b>68.46</b>	<b>14.53</b>	<b>25.89</b>
	<b>Return to Unpaid Labour (A-E+B14)</b>	<b>18.86</b>	<b>66.15</b>	<b>7.79</b>	<b>25.02</b>
	<b>Return to Investment (A-E+C4)</b>	<b>27.22</b>	<b>71.96</b>	<b>11.25</b>	<b>27.22</b>
	<b>Return to Equity (A-E)</b>	<b>12.49</b>	<b>62.39</b>	<b>5.16</b>	<b>23.60</b>

**Investment**

Buildings	15.90	8.37
Machinery	164.70	19.10
Irrigation Machinery	0.00	0.00
<b>Total (incl. Land)</b>	<b>1183.37</b>	<b>1139.57</b>

**Management**

Average Yield (Tonne/acre)	2.42	2.64
Expected Market Price (\$/Tonne)	34.32	42.07

## FREQUENCY AND CUMULATIVE FREQUENCY DISTRIBUTION

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

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

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

- The low is less than 25 bushels per acre and the high is 65 bushels per acre, and
- 85% of the spring wheat fields in the black and thin black soil zones yield between 25 and 50 bushels per acre.
- More specifically, the bar chart on the left indicates close to 5% of the fields had yields between 0-25 bu/ac, and another 7% had yields between 25-30 bu/ac, etc. The line chart on the right side represents the cumulative percentage of these fields, so that at 30 bu/ac around 12% of the total number of fields are represented, and at 35 bu/ac approximately 20% of the fields, and so on.

This detailed information provides a better understanding of yield variability. The average yield is 43 bushels per acre provided on the spring wheat crop analysis. While the average (or mean) is important, consideration of both the mean and variability ultimately sets the stage for good decision-making and management practices.

The second set of graphs focuses on the distribution of cost totals. Understanding these provides a basis for cost control and managing for yield per dollar invested. It is important to look at cash costs for individual field analysis (as an indication of cash flow pressure points). Cash costs include all cash expenses accrued to the production of that crop. Total production costs are important when assessing all crops together for an overall enterprise analysis, relaying the longer term cost efficiency of each crop and the combined crop mix. Total production costs include the non-cash elements of unpaid labour and depreciation, in addition to cash costs. Looking at the charts, if the price of wheat was \$4.25 per bushel, then 65% of the fields are covering their cash costs and 35% of the fields are covering their total production costs. In the long run, the best mix of crops would cover total production costs and give a positive net return per acre.

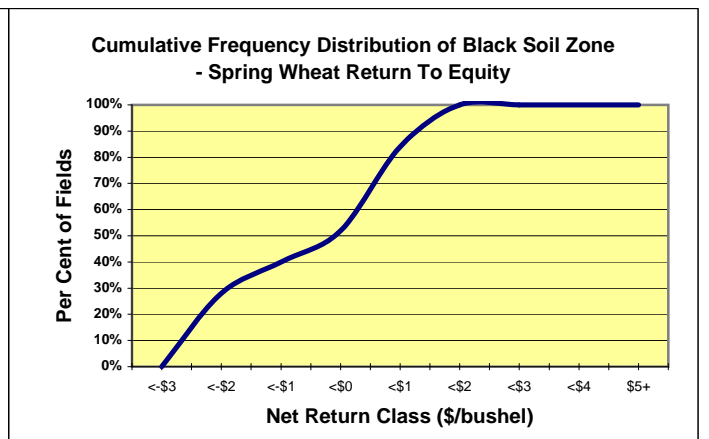
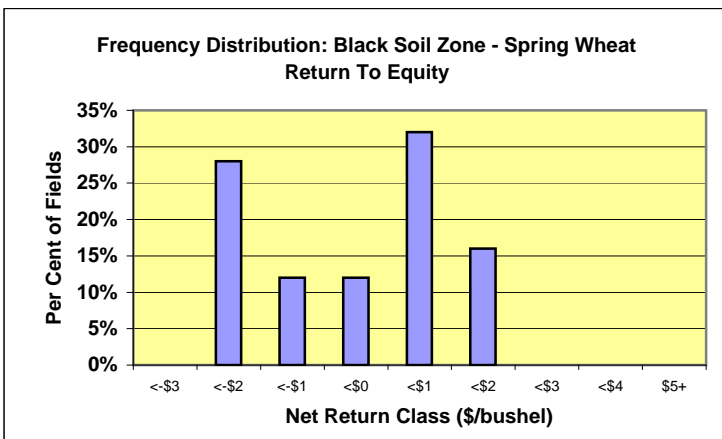
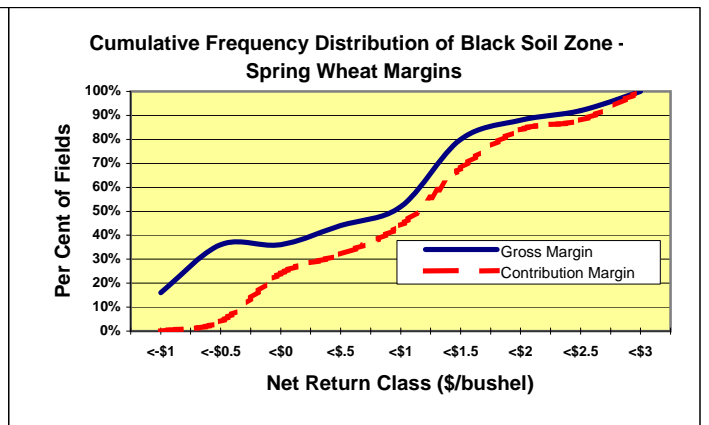
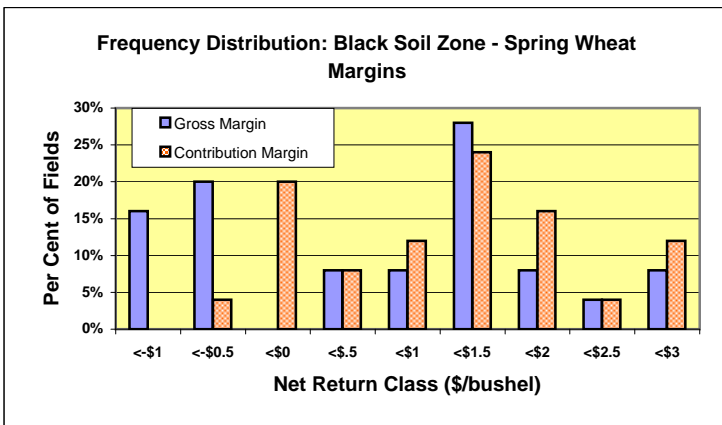
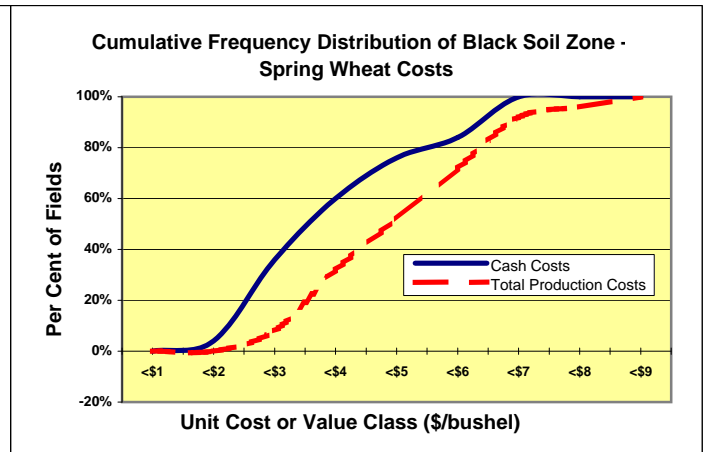
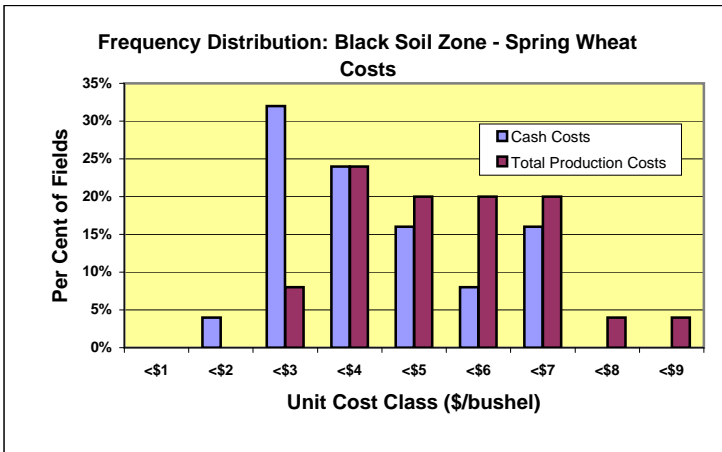
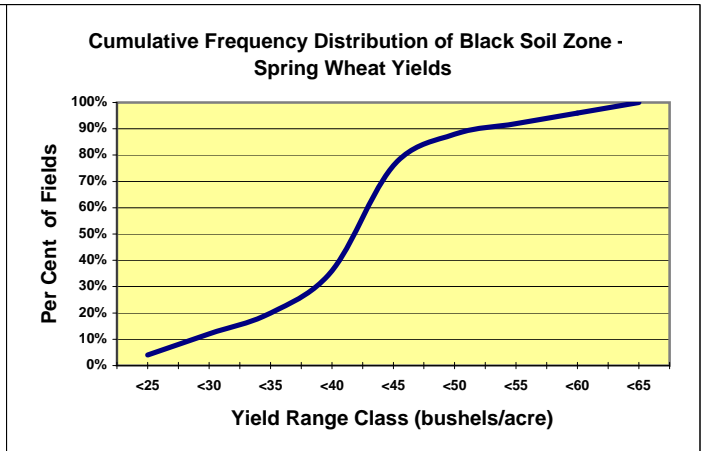
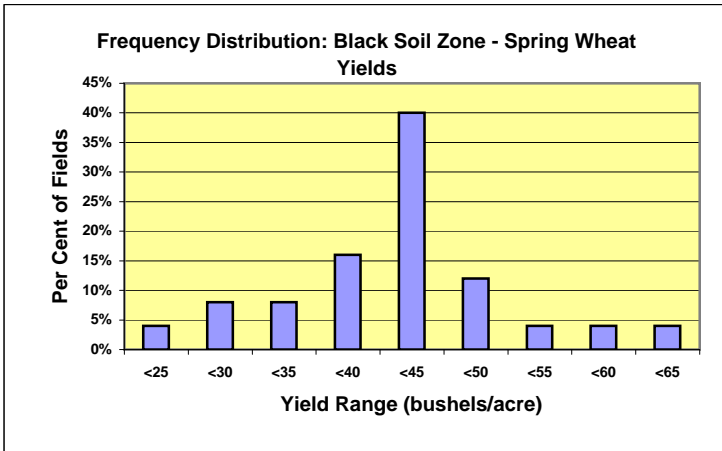
The third set of graphs highlights contribution and gross margins. Contribution margin is the return over variable costs (a combination of variable cash and non-cash/unpaid labour costs). It is the best single indicator of profitability at the individual field level and it is used to compare and select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

The final set of graphs shows the distribution of returns to equity, or profit per unit of production. This example shows that approximately 50% of the fields had a loss and 50% of the fields broke even. Return to equity can be used to compare the profitability of one crop versus another or one farm enterprise to another in the same industry.

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

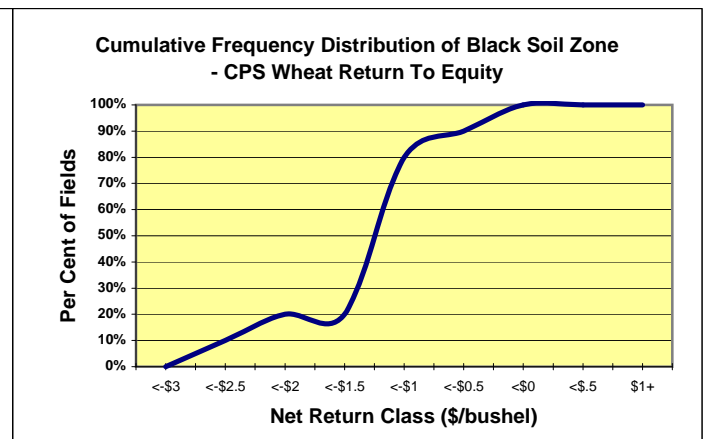
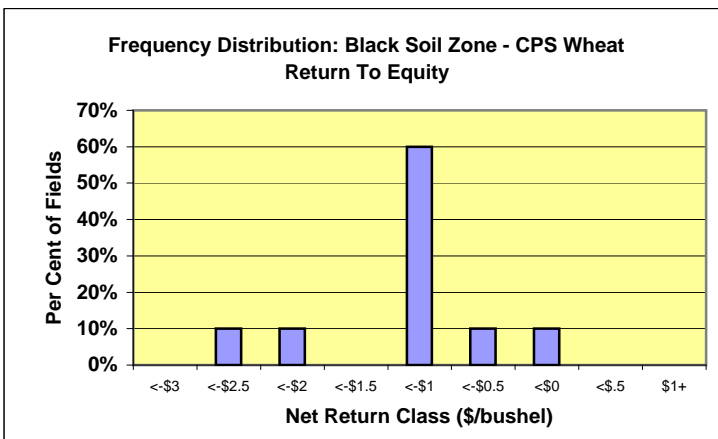
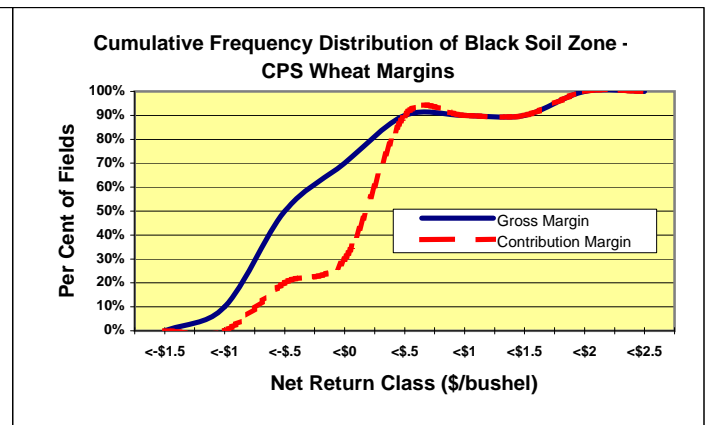
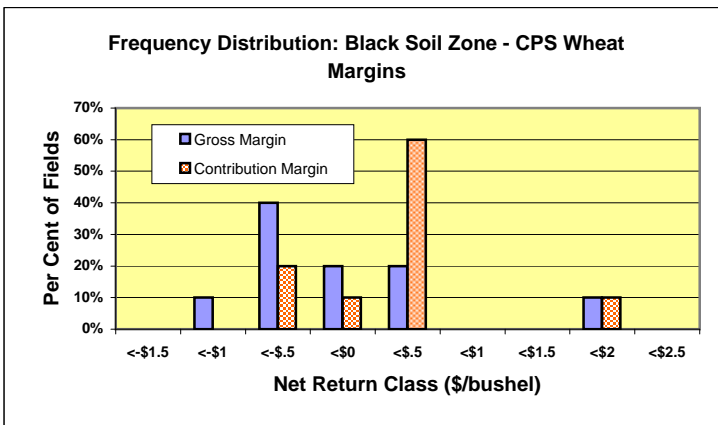
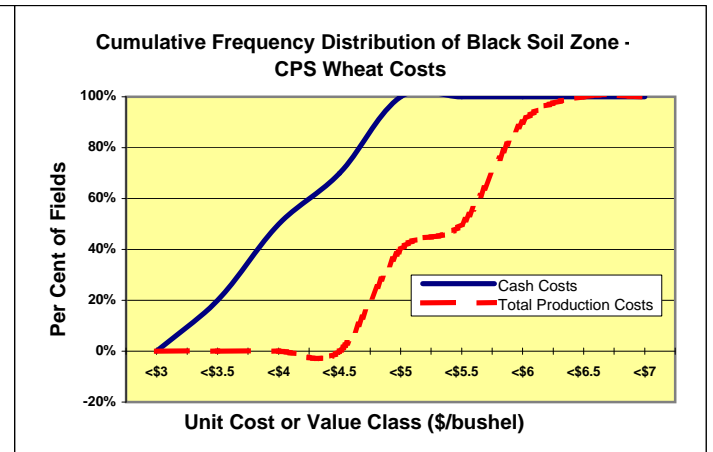
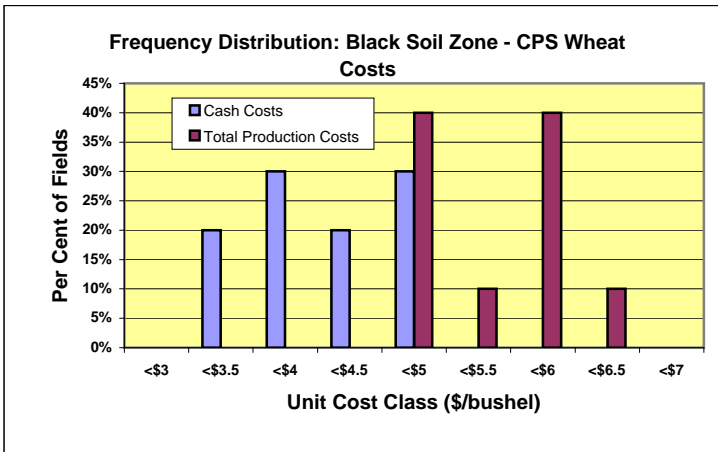
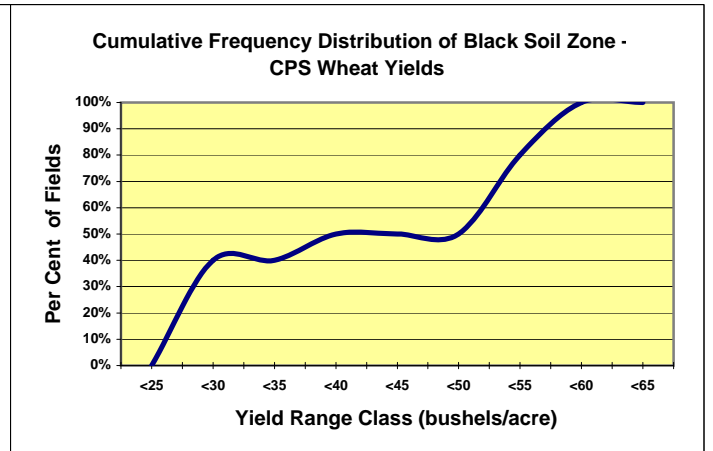
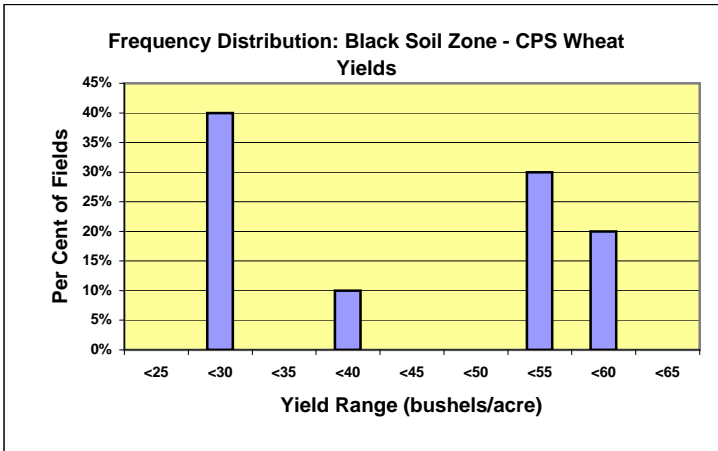
# Black Soil Zone - Spring Wheat: 2006

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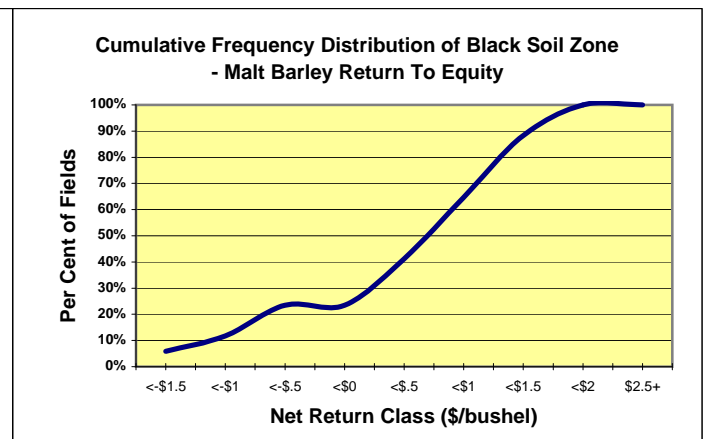
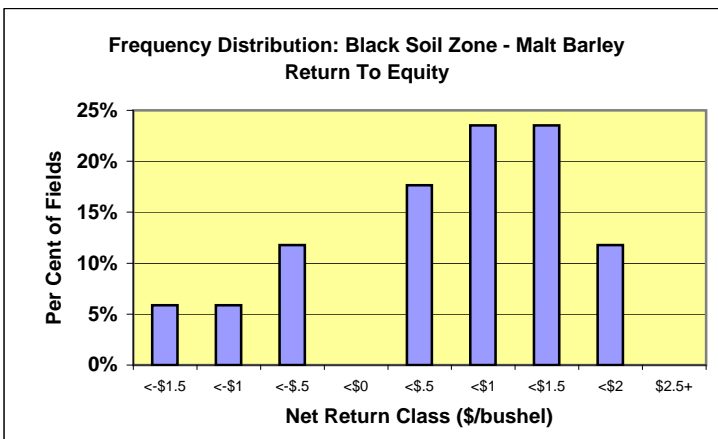
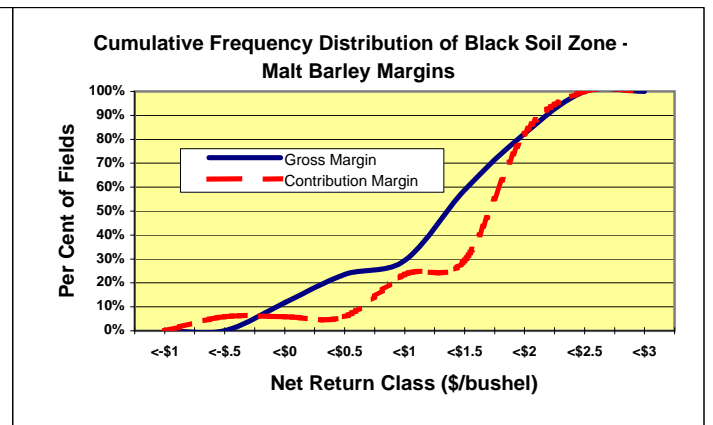
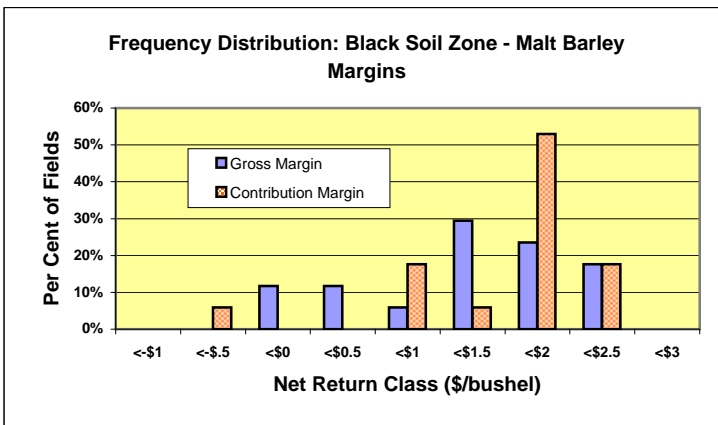
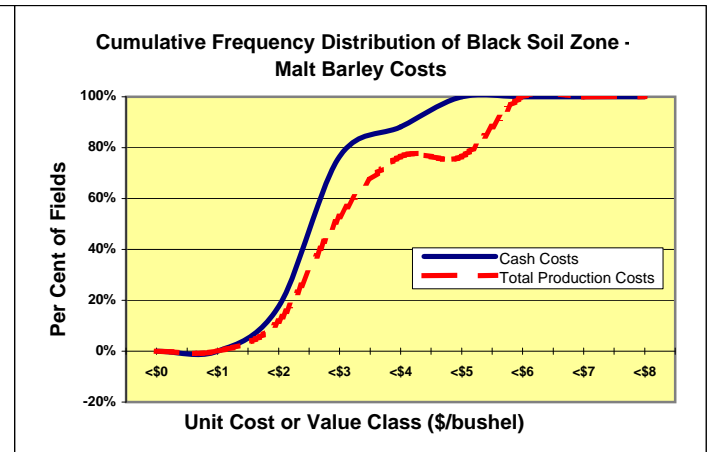
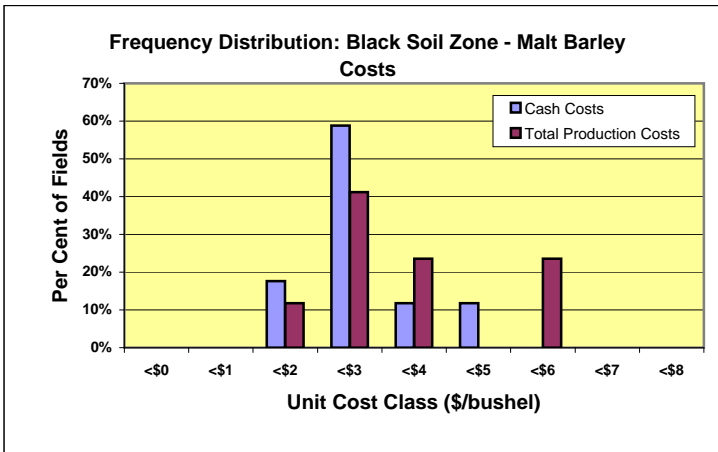
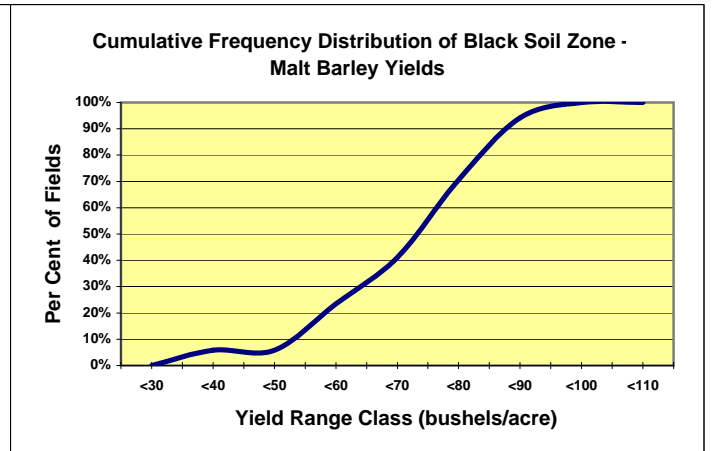
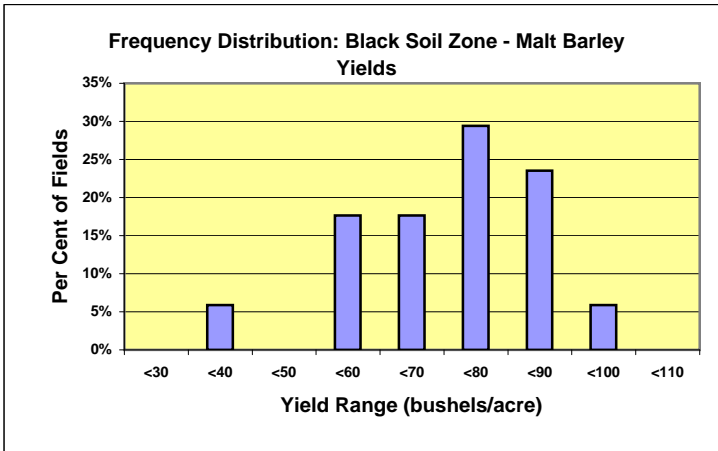
# Black Soil Zone - CPS Wheat: 2006

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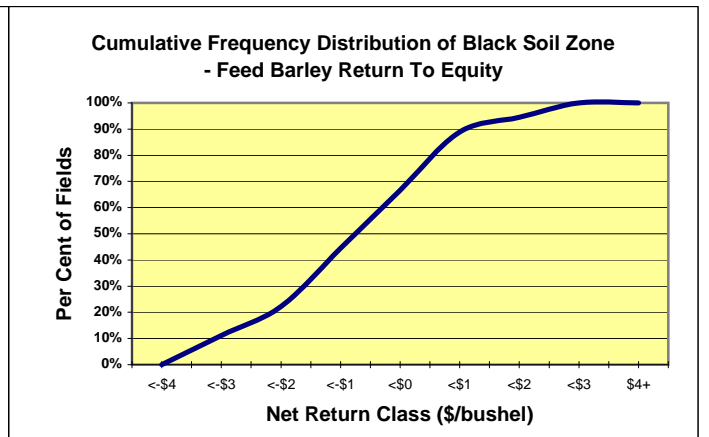
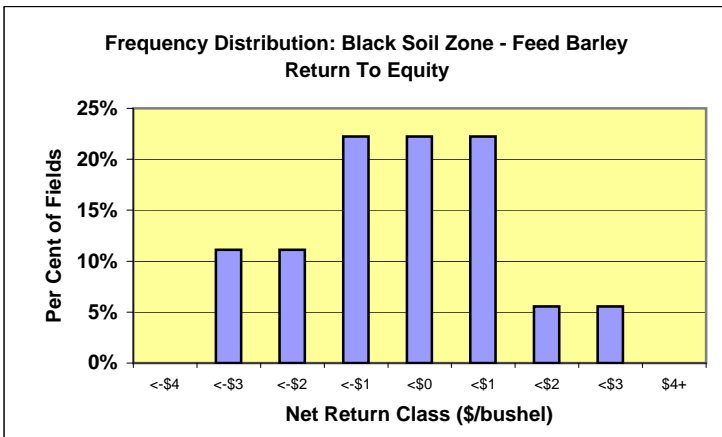
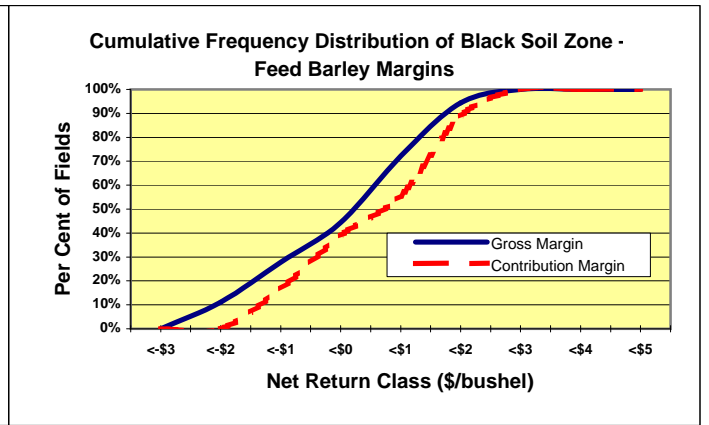
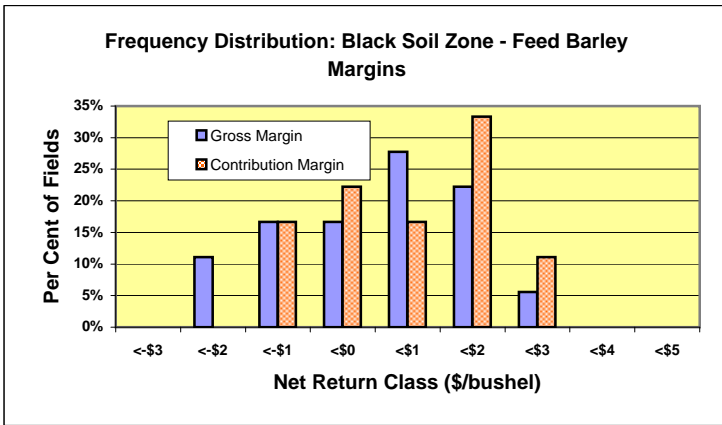
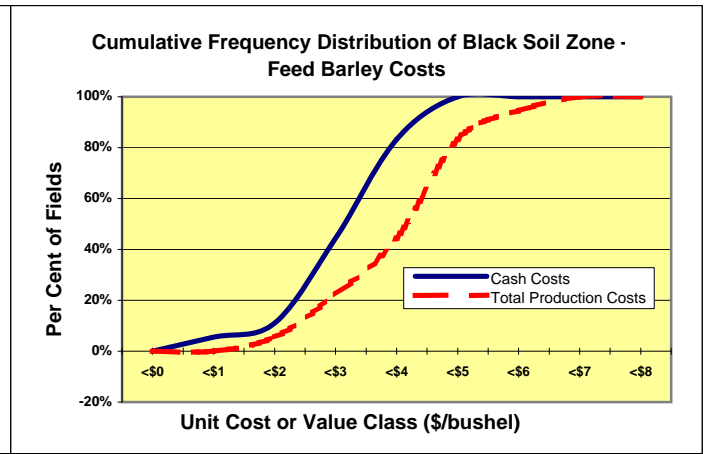
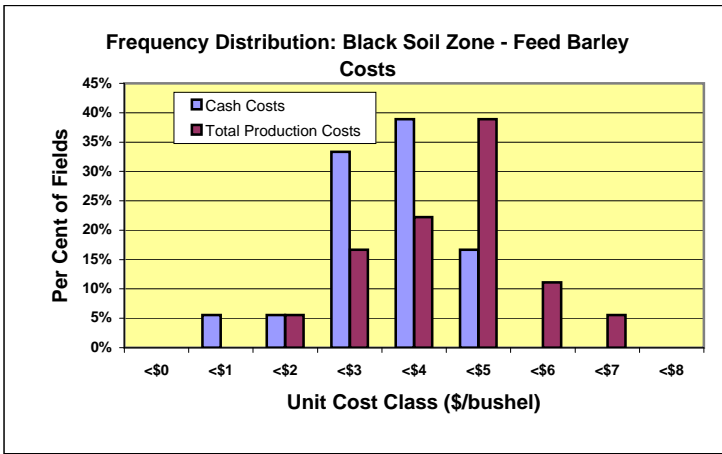
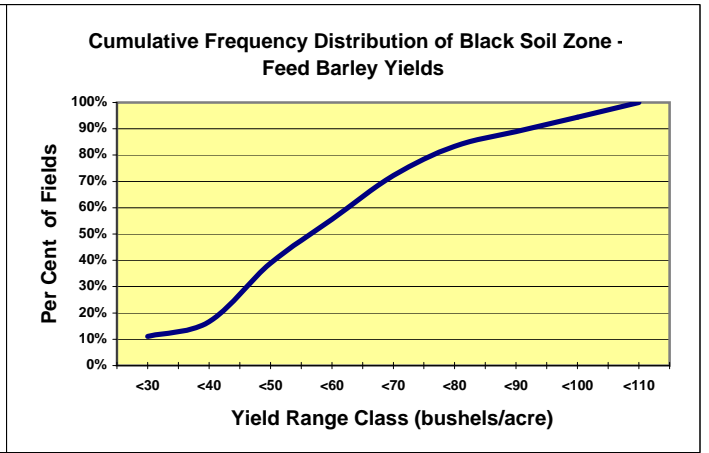
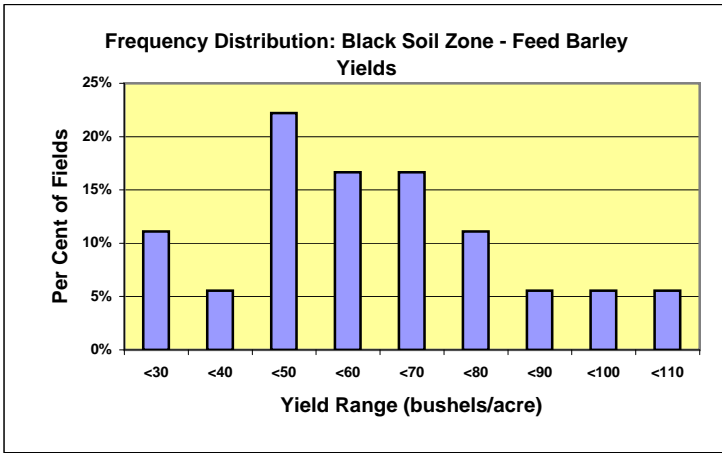
# Black Soil Zone - Malt Barley: 2006

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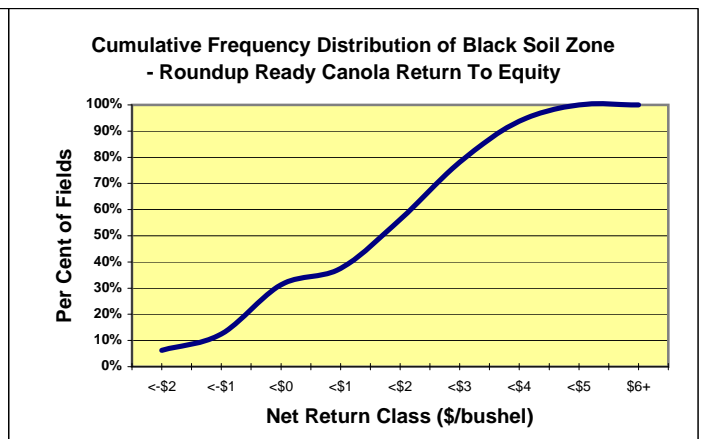
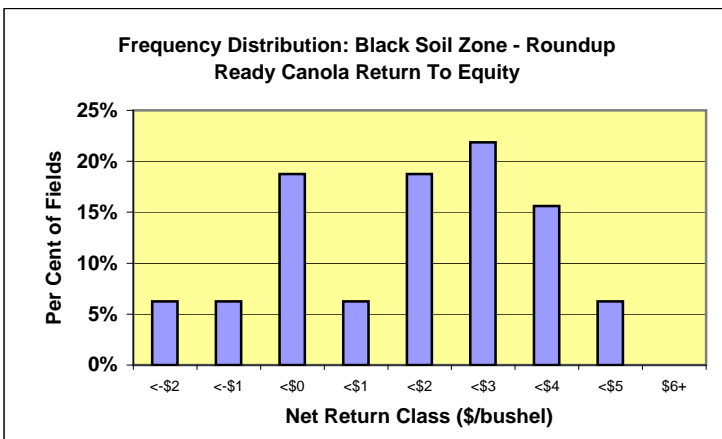
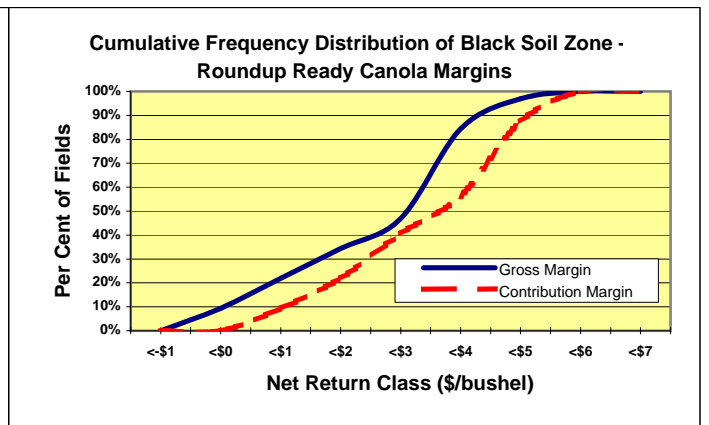
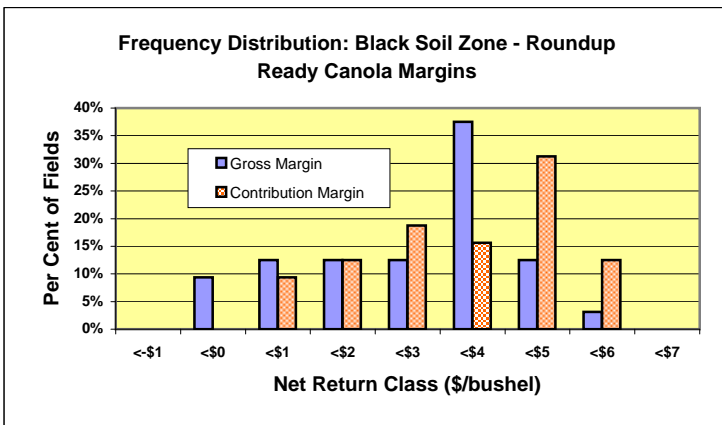
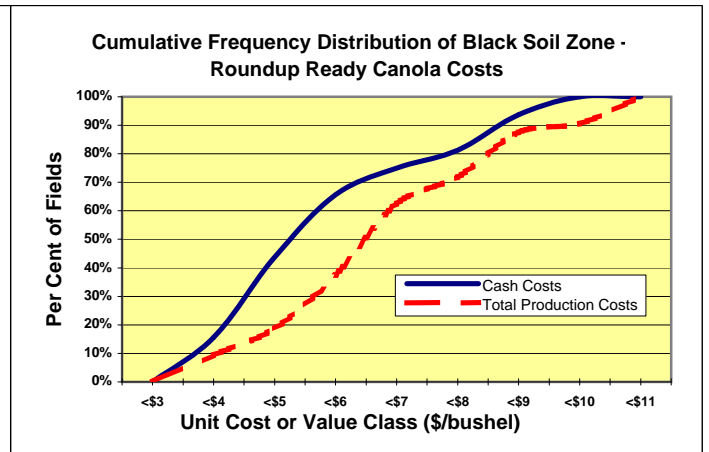
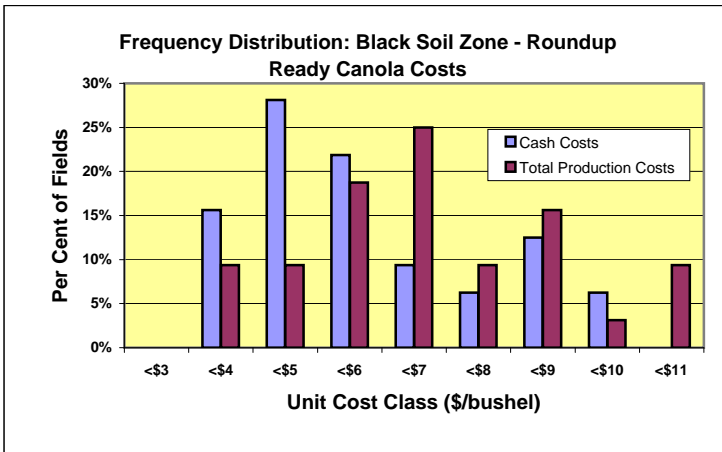
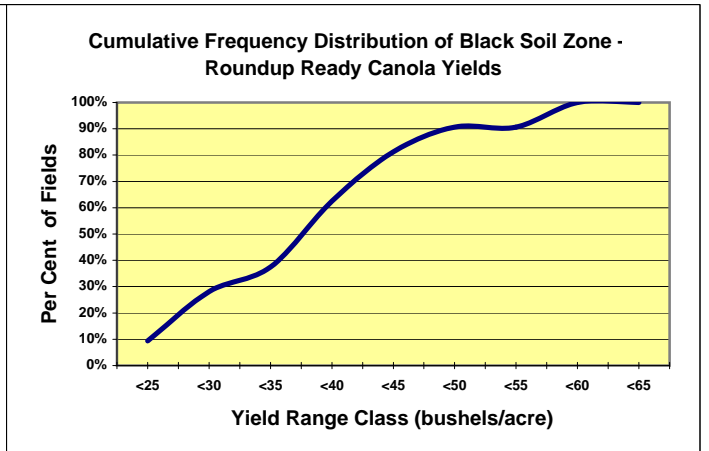
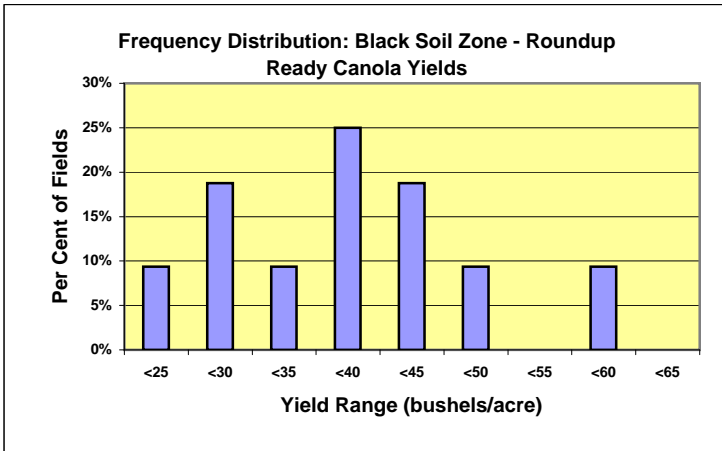




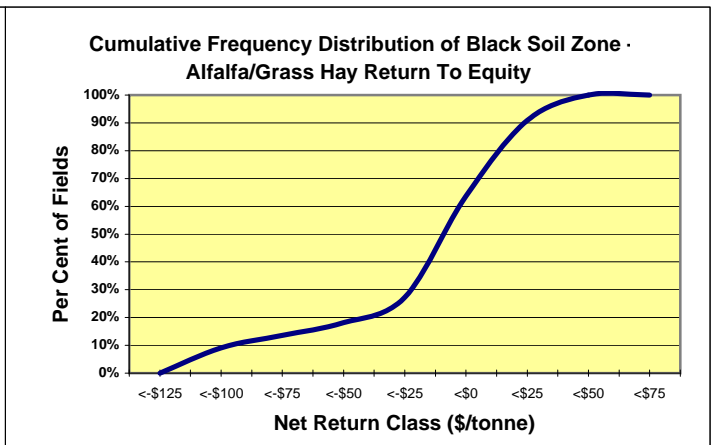
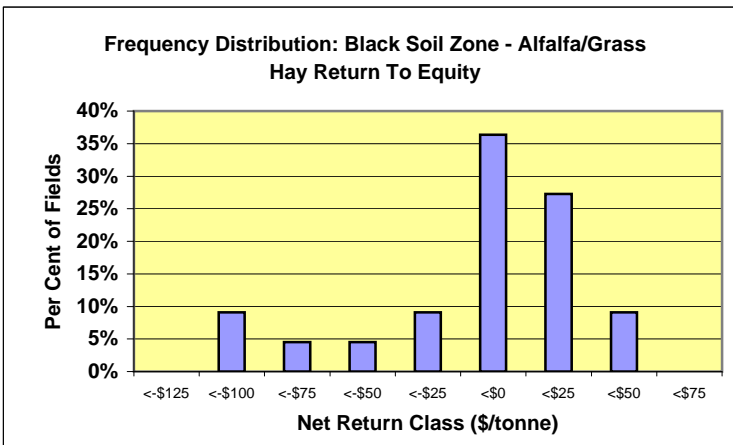
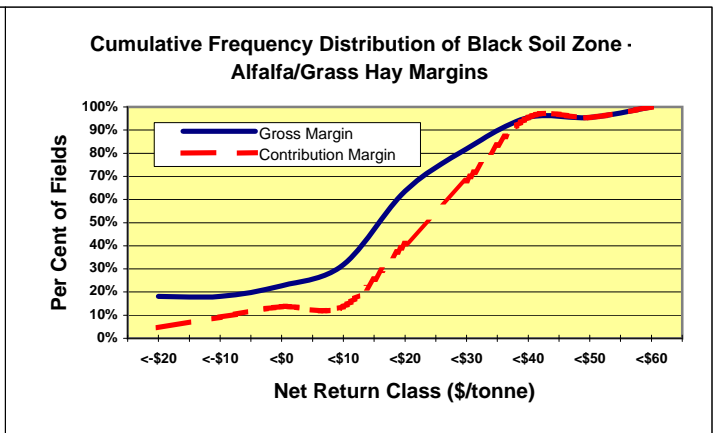
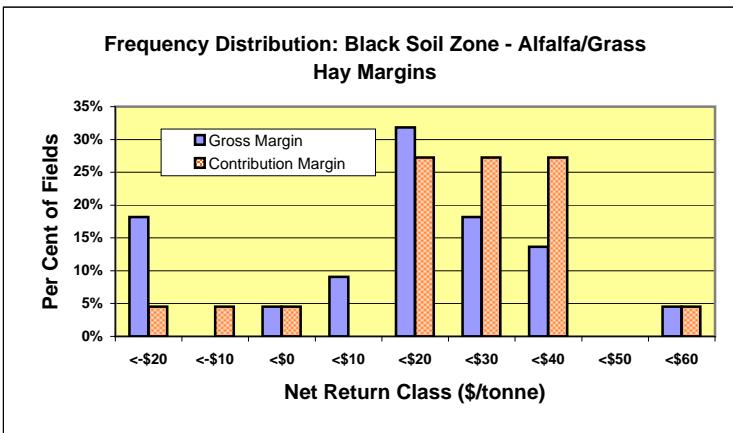
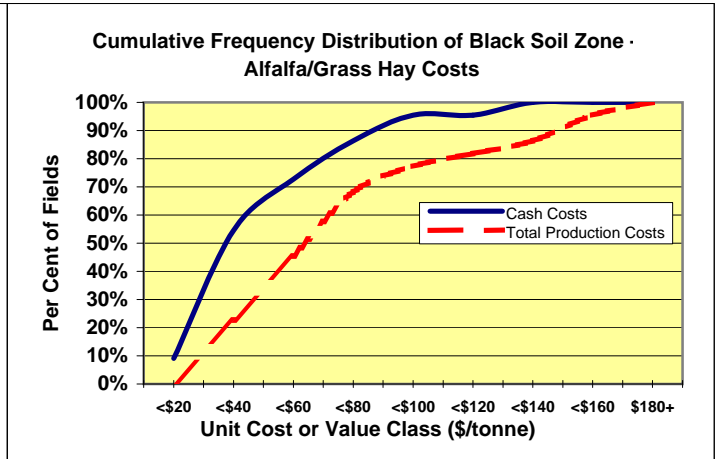
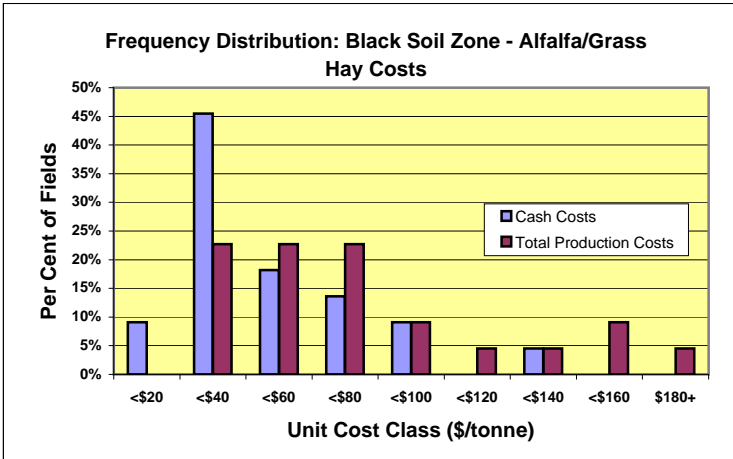
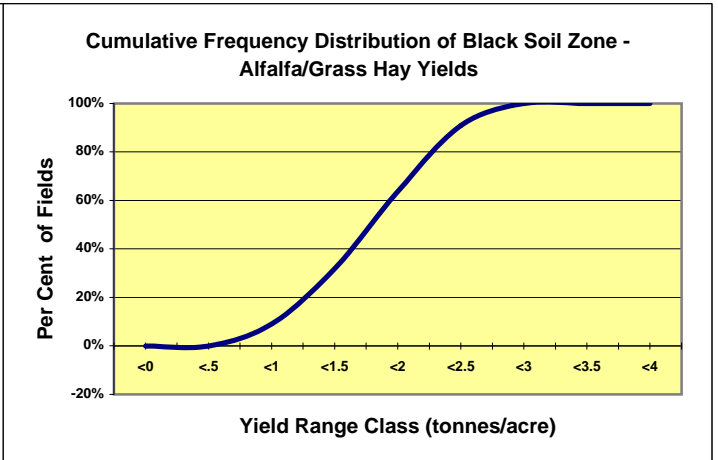
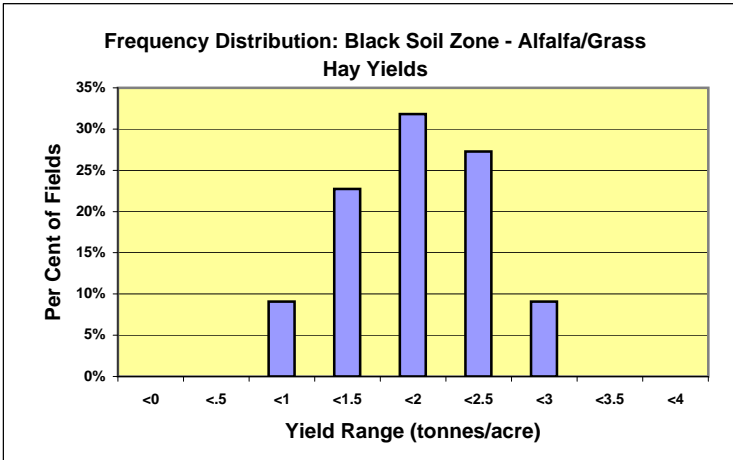
# Black Soil Zone - Feed Barley: 2006



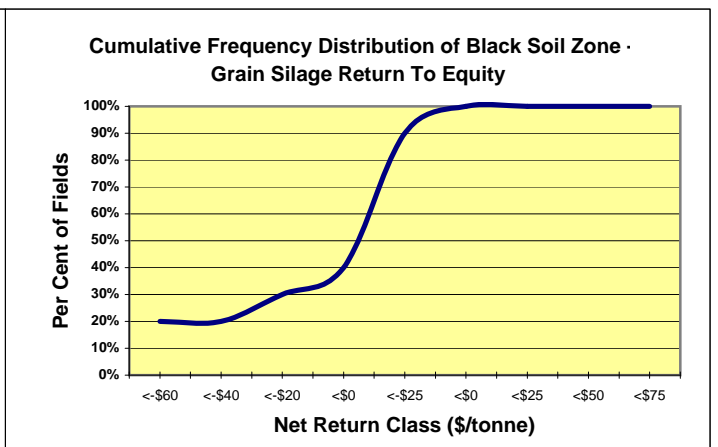
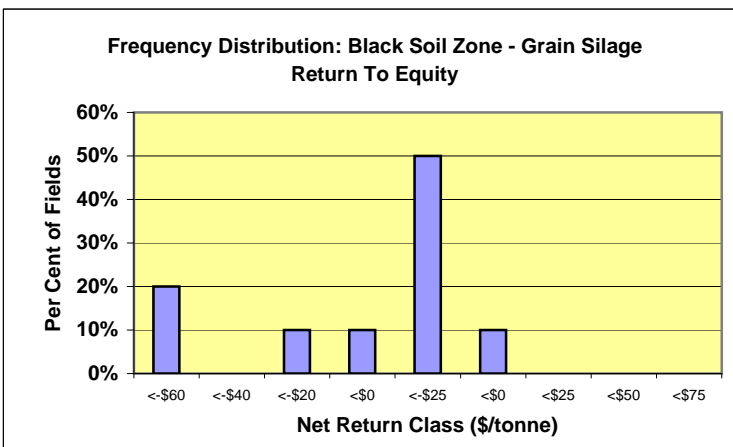
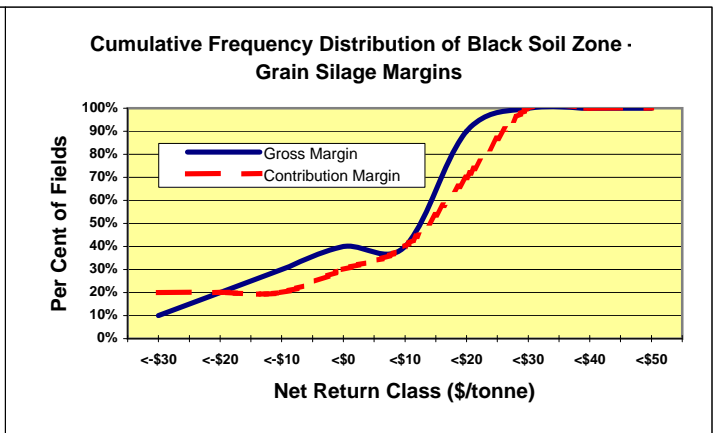
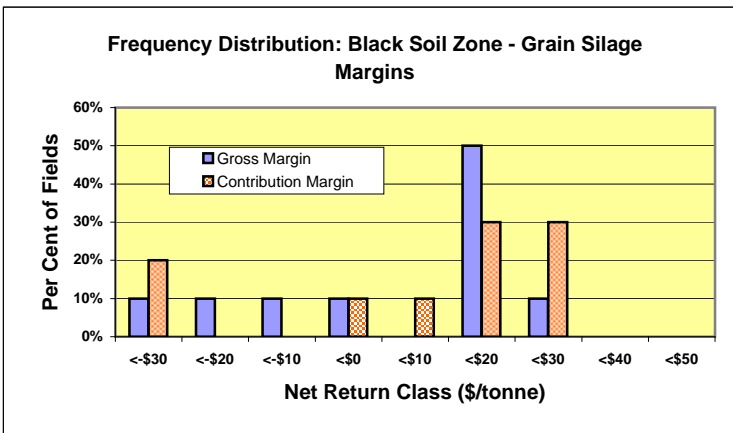
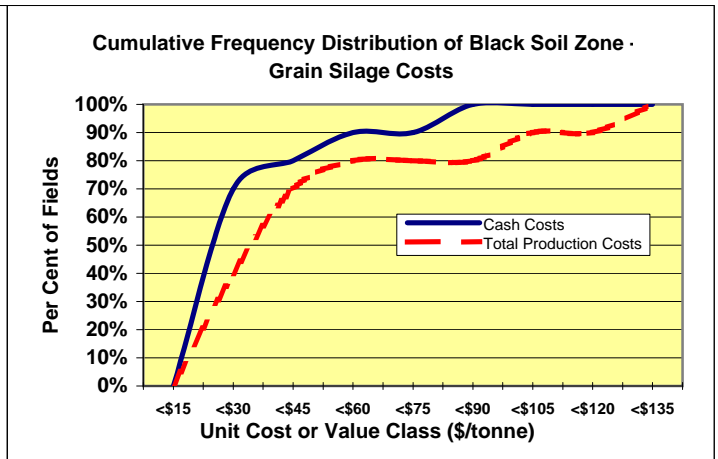
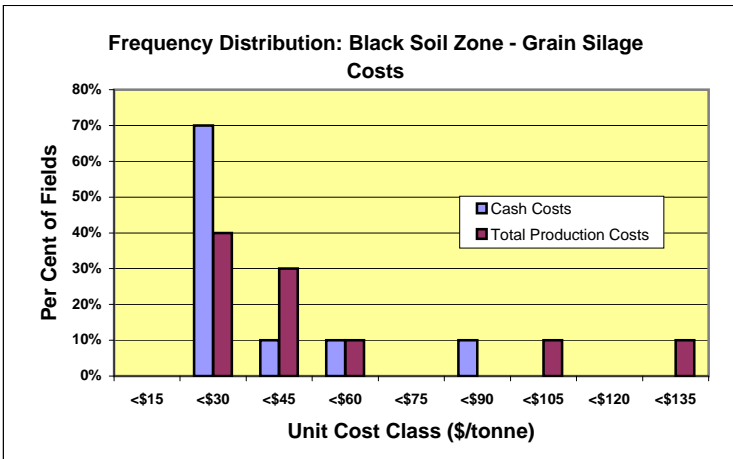
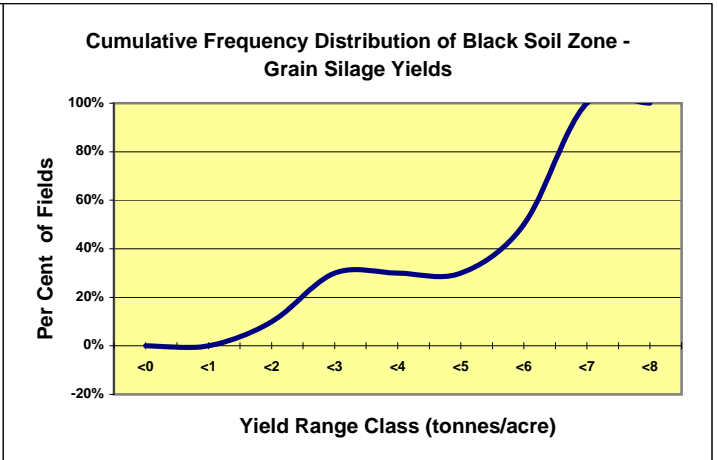
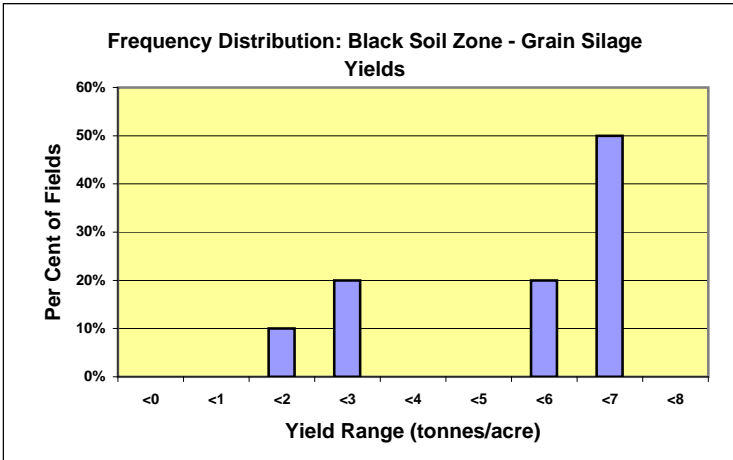
# Black Soil Zone - Roundup Ready Canola: 2006



# Black Soil Zone - Alfalfa/Grass Hay: 2006



# Black Soil Zone - Grain Silage: 2006



**DEFINITIONS AND ALLOCATIONS**

**I INCOME**

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

**II EXPENSES**

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

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

**III CAPITAL INVESTMENT**

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

**IV SUMMARY CALCULATION**

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