## 2005

### Table 3. Wheat, Conventional Canola, and Roundup Ready® Canola per acre Production Returns and Cost Estimates for 45 bu/a Wheat Yield and 2,000 lb/a Canola Yield.

| Item | Units | Price per unit | Wheat (grain-only) Quantity | Wheat (grain-only) Value | Canola (conventional) Quantity | Canola (conventional) Value | Canola (Roundup Ready®) Quantity | Canola (Roundup Ready®) Value |
|---|---|---|---|---|---|---|---|---|
| Production | | | | | | | | |
| Wheat | bu | $3.00 | 45 | 135.00 | | | | |
| Canola | lbs | $0.08 | | | 2000 | 160.00 | 2000 | 160.00 |
| Gross Returns | | | | 135.00 | | 160.00 | | 160.00 |
| "Cash" Costs | | | | | | | | |
| Wheat Seed | bu | $9.00 | 1 | 9.00 | | | | |
| Canola Seed (conventional) | lbs | $1.00 | | | 5 | 5.00 | | |
| Canola Seed (Roundup Ready®) + Technology Fee | lbs | $4.60 | | | | | 5 | 23.00 |
| Urea (46-0-0) | lbs | $0.16 | 143 | 22.96 | 165 | 26.43 | 165 | 26.43 |
| Diammonium Phosphate (18-46-0) | lbs | $0.14 | 50 | 7.00 | 50 | 7.00 | 50 | 7.00 |
| Ammonium Sulfate (21-0-0-24S) | lbs | $0.12 | | | 21 | 2.52 | 21 | 2.52 |
| Fertilizer Application | acre | $3.25 | 1 | 3.25 | 2.5 | 8.13 | 2.5 | 8.13 |
| Herbicide | acre | $5.00 | 1 | 5.00 | | | | |
| Herbicide (e.g.Treflan® (trifluralin)) | pint | $2.75 | | | 2 | 5.50 | | |
| Herbicide (e.g. Assure II® (quizalofop-p-ethyl)) | oz | $1.13 | | | 8 | 9.04 | | |
| Herbicide (e.g. Roundup UltraMAX® (glyphosate)) | oz | $0.27 | | | | | 22 | 5.94 |
| Herbicide Application | acre | $3.50 | 1 | 3.50 | 2 | 7.00 | 2 | 7.00 |
| Insecticide (e.g. dimethoate) | pint | $4.00 | 0.75 | 3.00 | | | | |
| Insecticide (e.g. Warrior® (lambda-cyhalothrin)) | oz | $2.07 | | | 3 | 6.21 | 3 | 6.21 |
| Aerial Pesticide Application | acre | $4.00 | 1 | 4.00 | 1 | 4.00 | 1 | 4.00 |
| Fuel Lube and Repair | acre | | | 10.00 | | 12.00 | | 10.00 |
| Annual Operating Capital | $ | $0.07 | 34 | 2.37 | 46 | 3.25 | 50 | 3.51 |
| Wheat Custom Harvest & Haul | | | | | | | | |
| Base Charge | acre | $15.00 | 1 | 15.00 | | | | |
| Excess for > 20 bu/a | bu | $0.15 | 25 | 3.75 | | | | |
| Hauling | bu | $0.15 | 45 | 6.75 | | | | |
| Canola Custom Harvest & Haul | | | | | | | | |
| Base Charge | acre | $16.00 | | | 1 | 16.00 | 1 | 16.00 |
| Excess for > 12.5 cwt/a | cwt | $0.32 | | | 7.5 | 2.40 | 7.5 | 2.40 |
| Hauling | cwt | $0.32 | | | 20 | 6.40 | 20 | 6.40 |
| Total "Cash" Costs | $/acre | | | $ 96 | | $ 121 | | $ 129 |
| Return to Machinery and Equipment Fixed Cost, and Labor, Land, Management, and Overhead | $/acre | | | $ 39 | | $ 39 | | $ 31 |

## 2006

### Table 2. Wheat, Conventional Canola, and Roundup Ready® Canola Returns and Cost Estimates for 45 bu/a Wheat Yield and 2,000 lb/a Canola Yield ($/acre)

| | | | Production System | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Wheat (grain-only) | | Canola (conventional) | | Canola (Roundup Ready) | |
| Item | Unit of Measure | Price per unit | Quantity | Value | Quantity | Value | Quantity | Value |
| Production | | | | | | | | |
| Wheat | bu | $3.60 | 45 | 162 | | | | |
| Canola | lbs | $0.10 | | | 2000 | 200 | 2000 | 200 |
| Gross Returns | $/acre | | | $162 | | $200 | | $200 |
| "Cash" Costs | | | | | | | | |
| Wheat Seed | bu | $9.00 | 1 | 9.00 | | | | |
| Canola Seed (conventional) | lb | $1.50 | | | 5 | 7.50 | | |
| Canola Seed (Roundup Ready + Technology Fee) | lb | $3.80 | | | | | 5 | 19.00 |
| Urea (46-0-0) | lb | $0.16 | 143 | 22.96 | 156 | 24.90 | 156 | 24.90 |
| Diammonium Phosphate (18-46-0) | lb | $0.15 | 50 | 7.50 | 50 | 7.50 | 50 | 7.50 |
| Ammonium Sulfate (21-0-0-24S) | lb | $0.12 | | | 21 | 2.52 | 21 | 2.52 |
| Fertilizer Application | acre | $3.25 | 1 | 3.25 | 2.5 | 8.13 | 2.5 | 8.13 |
| Herbicide | acre | $5.00 | 1 | 5.00 | | | | |
| Herbicide (e.g. trifluralin)) | pint | $2.75 | | | 2 | 5.50 | | |
| Herbicide (e.g. Assure II® (quizalofop-p-ethyl)) | oz | $1.13 | | | 8 | 9.04 | | |
| Herbicide Additive (Crop Oil Concentrate) | ac | $1.00 | | | 1 | 1.00 | | |
| Herbicide (e.g. Roundup® (glyphosate)) | oz | $0.22 | | | | | 32 | 7.04 |
| Hebicide Additive (ams) | units | $0.125 | | | | | 2 | 0.25 |
| Herbicide Application | acre | $3.50 | 1 | 3.50 | 2 | 7.00 | 2 | 7.00 |
| Fungicide (e.g. Apron (metalaxyl) seed treatment) | lb seed | $0.10 | | | 5 | 0.50 | | |
| Insecticide (e.g. Poncho (Clothianidin) seed treatment) | acre | $6.00 | | | 1 | 6.00 | 1 | 6.00 |
| Insecticide (e.g. dimethoate) | pint | $4.00 | 0.75 | 3.00 | | | | |
| Insecticide (e.g. Warrior® (lambda-cyhalothrin)) | oz | $2.07 | | | 3 | 6.21 | 3 | 6.21 |
| Aerial Pesticide Application | acre | $4.00 | 1 | 4.00 | 1 | 4.00 | 1 | 4.00 |
| Wheat Crop Insurance (minimal coverage) | acre | $3.00 | 1 | 3.00 | | | | |
| Canola Crop Insurance (minimal coverage) | acre | $4.00 | | | 1 | 4.00 | 1 | 4.00 |
| Fuel Lube and Repair | acre | | | 10.00 | | 12.50 | | 10.00 |
| Annual Operating Capital | $ | $0.07 | 36 | 2.49 | 53 | 3.72 | 53 | 3.72 |
| Wheat Custom Harvest & Haul | | | | | | | | |
| Base Charge | acre | $20.00 | 1 | 20.00 | | | | |
| Excess for > 20 bu/a | bu | $0.20 | 25 | 5.00 | | | | |
| Hauling | bu | $0.20 | 45 | 9.00 | | | | |
| Canola Custom Harvest & Haul | | | | | | | | |
| Base Charge | acre | $22.00 | | | 1 | 22.00 | 1 | 22.00 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Excess for > 20 bu/a | bu | $0.22 | | 20.0 | 4.40 | 20.0 | 4.40 |
| Hauling | bu | $0.22 | | 40.0 | 8.80 | 40.0 | 8.80 |
| Total "Cash" Costs | $/acre | | $108 | | $145 | | $145 |
| Return to Machinery and Equipment Fixed Cost, and Labor, Land, Management, and Overhead | $/acre | | $54 | | $55 | | $55 |

**2007** Table 2. Wheat, Conventional Canola, and Roundup Ready Canola Budgets for Fields with Heavy Weed Pressure

| | | | Production System | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Wheat (grain-only) | | Canola (conventional) | | Canola (Roundup Ready) | |
| Item | Unit of Measure | Price per unit | Quantity | Value | Quantity | Value | Quantity | Value |
| Production | | | | | | | | |
| Wheat | bu | $4.80 | 38 | 182.40 | | | | |
| Canola | lbs | $0.120 | | | 1800 | 216.00 | 1800 | 216.00 |
| Gross Returns | | | | 182.40 | | 216.00 | | 216.00 |
| "Cash" Costs | | | | | | | | |
| Wheat Seed | bu | $10.00 | 1 | 10.00 | | | | |
| Canola Seed (conventional) | lb | $1.50 | | | 5 | 7.50 | | |
| Canola Seed (Roundup Ready) + Technology Fee | lb | $3.80 | | | | | 5 | 19.00 |
| Urea (46-0-0) | lb | $0.22 | 113 | 24.87 | 134 | 29.46 | 134 | 29.46 |
| Diammonium Phosphate (18-46-0) | lb | $0.23 | 50 | 11.50 | 50 | 11.50 | 50 | 11.50 |
| Ammonium Sulfate (21-0-0-24S) | lb | $0.14 | | | 21 | 2.94 | 21 | 2.94 |
| Fertilizer Application | acre | $4.00 | 1 | 4.00 | 2.5 | 10.00 | 2.5 | 10.00 |
| Herbicide (broadleaf) | acre | $5.00 | 1 | 5.00 | | | | |
| Herbicide (grass) | oz | $4.60 | 3.5 | 16.10 | | | | |
| Herbicide (e.g.Triflurex® (trifluralin)) | pint | $2.75 | | | 2 | 5.50 | | |
| Herbicide (e.g. Select®) | oz | $1.30 | | | 6 | 7.80 | | |
| Herbicide (e.g. Assure II®) | oz | $1.40 | | | 8 | 11.20 | | |
| Herbicide Additive (Crop Oil Concentrate) | ac | $1.00 | | | 2 | 2.00 | | |
| Herbicide (e.g. Roundup® (glyphosate)) | oz | $0.25 | | | | | 44 | 11.00 |
| Hebicide Additive (ams) | units | $0.125 | | | | | 2 | 0.25 |
| Herbicide Application | acre | $4.00 | 2 | 8.00 | 3 | 12.00 | 2 | 8.00 |
| Seed Treatment (e.g. Prosper FX®) | acre | $6.00 | | | 1 | 6.00 | 1 | 6.00 |
| Insecticide (e.g. dimethoate) | pint | $4.00 | 0.75 | 3.00 | | | | |
| Insecticide (e.g. Warrior®) | oz | $2.50 | | | 3 | 7.50 | 3 | 7.50 |
| Foliar Fungicide (1 of 3 years) | acre | $12.50 | 0.33 | 4.13 | | | | |
| Aerial Pesticide Application | acre | $5.00 | 1.33 | 6.65 | 1 | 5.00 | 1 | 5.00 |
| Wheat Crop Insurance | acre | $4.00 | 1 | 4.00 | | | | |
| Canola Crop Insurance | acre | $8.50 | | | 1 | 8.50 | 1 | 8.50 |
| Fuel Lube and Repair | acre | | | 16.50 | | 19.50 | | 16.50 |
| Annual Operating Capital | $ | $0.07 | 57 | 3.98 | 73 | 5.12 | 68 | 4.75 |
| Wheat Custom Harvest & Haul | | | | | | | | |
| Base Charge | acre | $20.00 | 1 | 20.00 | | | | |
| Excess for > 20 bu/a | bu | $0.20 | 18 | 3.60 | | | | |
| Hauling | bu | $0.20 | 38 | 7.60 | | | | |
| Canola Custom Harvest & Haul | | | | | | | | |
| Base Charge | acre | $22.00 | | | 1 | 22.00 | 1 | 22.00 |
| Excess for > 20 bu/a | bu | $0.22 | | | 16.0 | 3.52 | 16.0 | 3.52 |
| Hauling | bu | $0.22 | | | 36.0 | 7.92 | 36.0 | 7.92 |
| Total "Cash" Costs | $/acre | | | $ 149 | | $ 185 | | $ 174 |
| Return to Machinery and Equipment Fixed Cost, and Labor, Land, Management, and Overhead | $/acre | | | $ 33 | | $ 31 | | $ 42 |

**2007** Table 3. Wheat, Conventional Canola, and Roundup Ready Canola Budgets for Fields with Light to Moderate Weed Pressure

| | | | Production System | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Wheat (grain-only) | | Canola (conventional) | | Canola (Roundup Ready) | |
| Item | Unit of Measure | Price per unit | Quantity | Value | Quantity | Value | Quantity | Value |
| Production | | | | | | | | |
| Wheat | bu | $4.80 | 38 | 182.40 | | | | |
| Canola | lbs | $0.120 | | | 1800 | 216.00 | 1800 | 216.00 |
| Gross Returns | | | | 182.40 | | 216.00 | | 216.00 |
| "Cash" Costs | | | | | | | | |
| Wheat Seed | bu | $10.00 | 1 | 10.00 | | | | |
| Canola Seed (conventional) | lb | $1.50 | | | 5 | 7.50 | | |
| Canola Seed (Roundup Ready) + Technology Fee | lb | $3.80 | | | | | 5 | 19.00 |
| Urea (46-0-0) | lb | $0.22 | 113 | 24.87 | 134 | 29.46 | 134 | 29.46 |
| Diammonium Phosphate (18-46-0) | lb | $0.23 | 50 | 11.50 | 50 | 11.50 | 50 | 11.50 |
| Ammonium Sulfate (21-0-0-24S) | lb | $0.14 | | | 21 | 2.94 | 21 | 2.94 |
| Fertilizer Application | acre | $4.00 | 1 | 4.00 | 2.5 | 10.00 | 2.5 | 10.00 |
| Herbicide (broadleaf) | acre | $5.00 | 1 | 5.00 | | | | |
| Herbicide (e.g. Assure II®) | oz | $1.40 | | | 10 | 14.00 | | |
| Herbicide Additive (Crop Oil Concentrate) | ac | $1.00 | | | 1 | 1.00 | | |
| Herbicide (e.g. Roundup® (glyphosate)) | oz | $0.25 | | | | | 22 | 5.50 |
| Hebicide Additive (ams) | units | $0.125 | | | | | 1 | 0.13 |
| Herbicide Application | acre | $4.00 | 1 | 4.00 | 1 | 4.00 | 1 | 4.00 |
| Seed Treatment (e.g. Prosper FX®) | acre | $6.00 | | | 1 | 6.00 | 1 | 6.00 |
| Insecticide (e.g. dimethoate) | pint | $4.00 | 0.75 | 3.00 | | | | |
| Insecticide (e.g. Warrior®) | oz | $2.50 | | | 3 | 7.50 | 3 | 7.50 |
| Foliar Fungicide (1 of 3 years) | acre | $12.50 | 0.33 | 4.13 | | | | |
| Aerial Pesticide Application | acre | $5.00 | 1.33 | 6.65 | 1 | 5.00 | 1 | 5.00 |
| Wheat Crop Insurance | acre | $4.00 | 1 | 4.00 | | | | |
| Canola Crop Insurance | acre | $8.50 | | | 1 | 8.50 | 1 | 8.50 |
| Fuel Lube and Repair | acre | | | 16.50 | | 16.50 | | 16.50 |
| Annual Operating Capital | $ | $0.07 | 47 | 3.28 | 62 | 4.34 | 63 | 4.41 |
| Wheat Custom Harvest & Haul | | | | | | | | |
| Base Charge | acre | $20.00 | 1 | 20.00 | | | | |
| Excess for > 20 bu/a | bu | $0.20 | 18 | 3.60 | | | | |
| Hauling | bu | $0.20 | 38 | 7.60 | | | | |
| Canola Custom Harvest & Haul | | | | | | | | |
| Base Charge | acre | $22.00 | | | 1 | 22.00 | 1 | 22.00 |
| Excess for > 20 bu/a | bu | $0.22 | | | 16.0 | 3.52 | 16.0 | 3.52 |
| Hauling | bu | $0.22 | | | 36.0 | 7.92 | 36.0 | 7.92 |
| Total "Cash" Costs | $/acre | | | $ 128 | | $ 162 | | $ 164 |
| Return to Machinery and Equipment Fixed Cost, and Labor, Land, Management, and Overhead | $/acre | | | $ 54 | | $ 54 | | $ 52 |