

FARM SCALE BIODIESEL PLANT CAPITAL INVESTMENT

| Asset | Notes | Cost |
|----------------------------|---|-----------------|
| Press | Swedish Type 70 | \$7,700 |
| Furnace | Multi-Fuel | \$6,410 |
| Hp-100 Biodiesel Processor | Includes scale and testing equipment | \$10,500 |
| Dry Wash Tower | Includes pump and calculator | \$1,034 |
| Building | 20'X40' pole barn w/ concrete floor | \$12,000 |
| Building Modifications | Wiring, augers, storage, grain hoppers, fans, etc | \$1,500 |
| Other | Pumps and misc | \$400 |
| Total Investment | | \$39,544 |

PLANT OPERATING ASSUMPTIONS

| ISSUE | AMOUNT |
|--|----------------|
| Plant Operation Days/Year | 182.5 Days |
| Canola or Sunflower Seed Biodiesel Production/Year | 7,300 Gallons |
| Plant Labor Required/Year (1.25 Hours per 100 Gallons) | 91.25 Hours |
| Gallons of Vegetable Oil Required/Year (1.07 Gallons of Vegetable Oil per Gallon of Biodiesel) | 7,811 Gallons |
| Pounds of Vegetable Oil Required/Year (7.7 Pounds/Gallon of Vegetable Oil) | 60,145 Pounds |
| Pounds of Canola or Sunflower Seeds Required/Year (40% Oil Yield) | 150,708 Pounds |
| Tons Of Canola or Sunflower Meal Produced (1,370 Pounds of Meal/Ton of Canola or Sunflower Seeds Processed) | 52 Tons |

OILSEED CROP OPERATING ASSUMPTIONS

| ISSUE | AMOUNT |
|--|--------------|
| Canola Yield/Acre | 2,000 Pounds |
| Canola Acres Required/Year (If Only Canola Is Used) | 75.35 Acres |
| Total Cost To Produce The Canola Needed (If Only Canola Is Used @ a \$283.85 Production Cost/Acre. Includes \$85/acre land rent and an \$18.75/acre return to management. ¹) | \$21,388 |
| Sunflower Seed Yield/Acre | 2,500 Pounds |
| Sunflower Seed Acres Required/Year (If Only Sunflower Seeds Are Used) | 60.28 Acres |
| Total Cost To Produce The Sunflower Seeds Needed (if Only Sunflower Seeds Are Used @ a \$434.30 Production Cost/Acre Includes \$85/acre land rent and an \$18.75/acre return to management. ²) | \$26,120 |

Estimated Cost to Produce Canola and Sunflower BioDiesel

| Item | Canola (\$/gal) | Sunflower (\$/gal) |
|------------------------------------|-----------------|--------------------|
| Oil Seed | \$2.93 | \$3.58 |
| Prod cost including labor | \$0.43 | \$0.43 |
| Overhead | \$0.79 | \$0.79 |
| Opportunity cost of capital | \$0.54 | \$0.54 |
| Estimated cost | \$4.69 | \$5.34 |
| Credit for Co-Product ¹ | \$1.52 | \$1.30 |
| BioDiesel Cost | \$3.17 | \$4.04 |

¹ The average of the Minneapolis canola meal and prices reported in the September 2008 issues of Feedstuffs were used to establish the value of the feed produced. Canola Meal = \$213/ton. Sunflower Meal = \$182/ton. The actual value can vary due to differences in quality.