

## Conventional Tillage Irrigated Field Corn in Delaware (updated 1/2012)

### Estimated Representative Costs

Estimated costs are based on information currently available. It is important to figure your own costs in planning crop budgets. Review the costs and pricing, but changes can only be made in the “your own costs” column.

### Fertilizer

Nitrogen (N) - 220 lbs/A @ .68/lb  
Phosphorus (P<sub>2</sub>O<sub>5</sub>) - 90 lbs/A @ \$.75/lb  
Potash (K<sub>2</sub>O) - 70 lbs/A @ \$.55/lb

### Lime

One ton at \$45.00/A - prorated over 3 years

### Seed

Costs are for both insect protected traits\* & herbicide tolerant\* corn. Planting rate – 34,000 seeds/A

\*Herbicide tolerance to Round-Up and/or Ignite Herbicides

\*Multiple *Bt* traits for insect protection (Growers planting corn with insect-protected traits must comply with all refuge requirements (size, location, planting, and treatment) as outlined in their Insect Resistance Management (IRM) Plan.

### Interest

Interest expense on fertilizer, seed, and chemical operating loan - 5.5% for 6 months

### Land Rent

[The cost of land rent is from a survey published by Delaware Department of Agriculture's NASS](http://www.nass.usda.gov/Statistics_by_State/Delaware/Publications/Agland2010release.pdf)  
([http://www.nass.usda.gov/Statistics\\_by\\_State/Delaware/Publications/Agland2010release.pdf](http://www.nass.usda.gov/Statistics_by_State/Delaware/Publications/Agland2010release.pdf))

### Chemicals

Standard Program:

*Pre-emergence* – Lexar 3qts/A (approx. cost - \$34.55)

*Post-emergence* – Roundup Powermax @ 22 oz/A plus Atrazine @ 1 qts/ac (approx. cost - \$8.00)

*Seed Treatment* – standard treatment in cost of seed, addition of Poncho 1250 ( approx. \$12.51 per acre) (*not included in seed cost*)

*Soil Insecticides were not included in as they are not commonly used. Growers using soil insecticides need to include cost in their budgets.*

### Potential threshold pesticide application

*Cutworm Control* – (at planting, pre-emergence or post-emergence) use only one of the following most common materials: Asana XL @ 3.2oz; OR Baythroid XL @ 1.2 oz, OR Lorsban 4E @ 1-2 pt/A, OR Mustang MAX @ 2 oz/A; OR Permethrin 3.2EC @ 4 oz/A; OR Warrior II @ 1.92 oz/A (approx. cost - \$3.90) (NOT included in chemical cost)

*Fungicides* - Headline or Quadris at 6 oz/A (approx. cost - \$15.57/A)OR Quilt or Quilt Xcel at 10.5 fl. oz/A, Stratego or other labeled fungicide – for foliage disease control (not included in chemical cost)

*Foliar Insecticide*- Warrior II at 1.92 oz/A (approx.. cost-\$6.86/A) –for control of insect pests that have reached threshold (not included in chemical cost)

### **Irrigation**

Irrigation equipment costs are based on a 5 tower system making a full circle with a useful life of 20 years. Water pumping costs are variable depending on system pressure, water availability, and power source (diesel or electric).

### **Drying**

Cost to dry corn 6 points of moisture (.05 per point or .30/bushel) (150 bushels x .30 =45.00/acre)

### **Farming Practices** (tillage, planting, spraying, harvesting and hauling)

The costs of each farming practice are derived from custom farming rates published by Pennsylvania NASS

([http://www.nass.usda.gov/Statistics\\_by\\_State/Pennsylvania/Publications/Machinery\\_Custom\\_Rates/custom11.pdf](http://www.nass.usda.gov/Statistics_by_State/Pennsylvania/Publications/Machinery_Custom_Rates/custom11.pdf))

AND Maryland Cooperative Extension (<http://mdgrainmarketing.umd.edu/Documents/Custom%20Rates%202011.PDF>)

### **Farm Overhead**

Estimated allowance for fixed costs of operating a farm (which may include insurance)

### **Crop Insurance**

Premium is calculated for 70% coverage with the RP product where available. This estimate assumes a Basic Farm Unit with an APH of 175b/AC on 100 acres. Producer's costs are based on their APH, and they should consult with their crop insurance advisor/agent for actual costs.

Contact your local County Ag Agent for additional information:

New Castle County		302-831-2506
Kent County	Phillip Sylvester	302-730-4000
Sussex County	Cory Whaley	302-856-7303