

No-Till Double Crop Barley & Herbicide Tolerant Soybeans 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 in the top area, but changes can only be made in the bottom portion in "your own costs".

Fertilizer

Barley- 90 lbs/A N at \$.68/lb, Assumes no Nitrogen on Beans

Barley- Phosphorus (P₂O₅) 30 lbs/A @ \$.75/lb, Potash (K₂O) 70 lbs/A @ \$.55/lb

Assumes P & K fertilizer application occurs at barley planting, but cost is split between both crops.

Lime

One ton lime @ \$45.00/ton prorated over 3 years

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)

Seed

Barley - 1.5 mil seeds/ A (2.5 bu @ 12,500 seeds per pound); Soybeans - 175,000 seeds//A; Seed cost includes technology fee

Chemical Costs

Standard Program: Barley

Burn Down – Gramoxone Inteon @ 2.5 pts/A plus non-ionic surfactant @ 1 qt/A (approx. cost \$14.60/A)

Post-emergence - Harmony Extra SG @ 0.75 oz/A plus non-ionic surfactant @ 1 qt/A (approx. cost \$14.18/A)

Potential threshold pesticide application:

Potential insecticide application for armyworm, grass sawflies, and/or cereal leaf beetle (generally only one insecticide application needed): Lannate LV @ 1.5 pt/A; @ 3pt/A (approx. cost \$15.00 /A) (NOT included in chemical cost)

Potential fungicide application for powdery mildew: Tilt @ 4oz/A (approx. cost \$6.09) (NOT included in chemical cost)

Standard Program: Soybeans

Burn Down – Powermax @ 22 oz/A (approx. cost \$3.81/A)

Post Emergence – Roundup Powermax @ 22 oz/A (approx. cost \$3.81) and Prefix @ 2pt/A (\$14.50)

Insecticide Application:

Grasshopper Control - Use one of the following: Dimethoate @ 1 pt/A; Lorsban @ 1 pt/A; Asana XL @ 5.8 oz/A; Baythroid XL @ 2.0 oz; Mustang MAX @ 4 oz/A; Warrior II @ 1.92 oz/A (approx. cost \$6.86/A)

Potential Insecticide Application for corn earworm in an outbreak year - Use one of the following: Asana XL @ 5.8 oz/A; Baythroid XL @ 2.0 oz; Mustang MAX @ 4 oz/A; Warrior II @ 1.92 oz/A (approx. cost \$6.86/A) (NOT included in chemical cost)

Fungicide – Headline or Quadris at 6 oz/A (approx. cost - \$15.57/A) – for foliage disease control (NOT included in chemical cost)

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

Crop Insurance

Premium is calculated for 70% coverage with the RP product where available. 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