Measuring the Benefits of Neonicotinoid Insecticides

Reports from a new comprehensive study assess the socio-economic benefits of neonicotinoid insecticides in North America. Key statistics¹ highlight the methodology of neonicotinoids to agriculture, as well as residential and urban landscapes, and the significant implications if these products were no longer available.

Grower Listening Sessions Held Across the U.S. & Canada

- Regina, Saskatchewan, Canada: Canola
- Davenport, Iowa: Corn, Soybean
- Prosser, Washington: Tree fruit, potatoes, vegetables, grapes
- London, Ontario, Canada: Corn, soybean, dry beans, wheat, peas
- Memphis, Tennessee: Corn, soybean, dry beans, wheat, peas
- San Diego, California: Citrus, vegetables, grapes
- Lake Alfred, Florida: Citrus, fresh tomato
- Chicago, Illinois: All crops
- Memphis, Tennessee: Corn, soybean, dry beans, wheat, peas

The Big Picture

133 Million neonicotinoid-treated acres analyzed including corn, soybean, wheat, cotton and sorghum crops in the U.S.²

Yield Effects

1,000+ independent research trials analyzed to determine yield impact of neonicotinoid seed treatments.

Survey Methods

22,000+ growers, consumers and applicators surveyed

18,885 homeowners participated

Survey Numbers by Crop

- 622 Corn Farmers³
- 622 Soybean Farmers⁴
- 500 Canola Farmers⁵

Extensive Scope

Analysis examined neonicotinoids from many perspectives⁶:

- 98 Active Ingredients
- 72 Target Pests

AgInfomatics, LLC, is an agricultural consulting firm established in 1995 by professors from the University of Wisconsin-Madison and Washington State University. The research was jointly commissioned by Bayer CropScience, Syngenta and Valent U.S.A., with additional support from Mitsui on the turf and ornamental studies.

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¹ Statistics are from a series of new reports by AgInfomatics, LLC, a group of independent agricultural economists and scientists.
² Based on three-year average from GfK Kinetic data (2010-2012)
³ From 14 U.S. states and three Canadian provinces.
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⁶ Analysis includes five commodity crops in the U.S., three commodity crops in Canada and 12 specialty crops.