Measuring the Benefits of Neonicotinoid Insecticides

Reports from a new comprehensive study assess the socio-economic benefits of neonicotinoid insecticides in North America. Key statistics 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
- London, Ontario, Canada: Corn, soybean, dry beans, wheat, peas
- Davenport, Iowa: Corn, soybean
- Prosser, Washington: Tree fruit, potatoes, vegetables, grapes
- Memphis, Tennessee: Corn, soybean, dry beans, wheat, peas
- San Diego, California: Citrus, vegetables, grapes
- Chicago, Illinois: All crops
- Lake Alfred, Florida: Citrus, fresh tomato
- Memphis, Tennessee: Cotton, rice
- Regina, Saskatchewan, Canada: Canola
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### The Big Picture

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

### 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 Farmers
- **622** Soybean Farmers
- **500** Canola Farmers

### Extensive Scope

Analysis examined neonicotinoids from many perspectives:

- **98** Active Ingredients
- **72** Target Pests

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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 12 U.S. states and three Canadian provinces.
4. From 14 U.S. states and three Canadian provinces.
5. From 13 U.S. states and three Canadian provinces.
6. Analysis includes five commodity crops in the U.S., three commodity crops in Canada and 12 specialty crops.

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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