



NEW YORK

TOP 5 CROPS: NEW YORK

1. CABBAGE
2. GRAPES
3. SWEET CORN
4. APPLES
5. ONIONS

Crop Protection Leaders

New York is home to nine leading crop protection companies: AgriCapital Corporation, BMO Capital Markets, Eka Chemicals, Inc., Exponent, Inc (www.exponent.com), K-I Chemical USA, Inc., Mitsui and Company USA, Inc, Monsanto Company, Nisso America, Inc., and Winfield Solutions, LLC. These companies provide thousands of jobs, boosting our economy and securing our state food supply.

- In the Empire State, an investment of \$1.00 in crop protection products yields anywhere from 9 to 26 times in direct economic returns, which the farming community can then reinvest to make New York's agricultural economy even stronger.
- The net benefits New York's agricultural economy gains from securing crops with various crop protection technologies ranges from \$134 to \$464 million, depending upon the product.

CropLife America: Helping to Feed a Hungry World

America's crop protection industry is helping to feed a hungry world, decrease food costs, drive our economy, and protect our environment.

Crop protection technologies help control the thousands of weed species, harmful insects, and numerous plant diseases that afflict crops and threaten both the abundance and the safety of our food supply.

- The crop protection industry is one of the most highly-regulated in the U.S. today, ensuring the safety of users and consumers, and reducing environmental impacts. As the nation and the world confront the threat of climate change, the industry stands at the forefront of sustainable agriculture, helping farmers do more with less through innovation, while protecting the soil and natural habitats of the land they farm.
- Crop protection products help American farmers improve agricultural productivity, generating robust crop yields that drive local economies and create jobs from the farm, to the distribution system, to the grocery stores and restaurants who sell these plentiful foods. The strong crop yields made possible by crop protection also help keep food costs down so American families can afford meals for their table.

In New York, the crop protection industry brings these same commitments, values, and technologies to the state's **\$5.1 billion food and agricultural economy**, safeguarding the state's food supply and protecting its environment.

Agriculture in New York: Driving the State Economy

Agriculture generates a significant amount of New York's economy, employs 160,000 people, and ranks 26th in the nation for total agricultural cash receipts.

**34,200
FARMS**

34,200 farms cover about a quarter of New York's land area or 7.5 million acres, powering a diverse agricultural economy.

**\$4.5
BILLION**

New York agricultural products returned \$4.5 billion to the state economy, including \$1.73 billion from field crops, fruits, and vegetables.

**\$249
BILLION**

The apple industry leads New York's crop revenues – and ranks second nationally with receipts valuing \$249 billion annually.

New York is among the top five producers of numerous crops, including: cabbage, grapes, tart cherries, pears, sweet corn, onions, snap peas, pumpkins, squash, and cauliflower.

Without crop protection, the vital economic impact of New York's agricultural industry would be virtually devastated.

CROP PROTECTION IN THE EMPIRE STATE

Ensuring New York's Robust and Healthy Food Supply

The food supply nourishing New York families—and exported around the globe—is fundamentally reliant upon crop protection technologies.

Every spring and summer, plant diseases reproduce in countless numbers, infecting – and ultimately killing – New York crops. Each year, **2.5 million weeds** prepare to emerge on every acre of New York's cropland, competing with crops for water, nutrients, space, and sunlight. And across New York, crop feeding insects reproduce in countless numbers, feeding on crops, reducing yields, making crops unmarketable, and in some cases killing the plant entirely.

These infestations threaten New York's food supply, economy, environment, and health of our citizens. Crop protection products stem those threats, preventing crop loss and protecting the agricultural base.

Safeguarding New York's Environment and its Citizens

Few industries play a greater role in driving sustainable agriculture than crop protection.

Crop protection technologies enable New York farmers to manage weeds without plowing or tilling the soil, reducing erosion and avoiding runoff into rivers and streams, while also reducing fuel consumption. Nationwide, this practice saves **337 million gallons of tractor fuel annually**, and prevents **356 billion pounds of disturbed soil** from eroding into rivers and streams.

In New York, crop protection technologies enable no-till production on 115,000 acres, preventing 733 million pounds of soil erosion annually.

Planting more acres of arable farmland decreases animal habitats, impacting biodiversity. Crop protection technologies enable New York farmers to do more with less, reducing the need to convert additional acreage for crops.

Many invasive weeds and nuisance plants grow back when mowed or pulled. Far from being a simple annoyance, weeds kill native plants, suffocate lakes, and plug reservoir intakes, destroying the natural habitats of fish, birds, and mammals. Crop protection products are indispensable weapons, enabling New York growers to successfully preserve several endangered species populations that had nearly vanished.

Crop protection also guards the health of the food supply that sustains New York families and the world.

The ever-increasing reach of the global economy has allowed infectious agents like salmonella and E. coli to enter our food supply. The U.S. commitment to crop protection technologies serves as a first line of defense, attacking these threats and generating a safe, healthy, and robust food supply for New York and the nation.

What would the Empire State's food supply look like **WITHOUT** crop protection?

NO APPLES

The apple is one of New York's leading crops, filling children's lunchboxes and offering a healthy midday snack. Without crop protection, the ruinous impact of the insects and plant diseases would virtually wipe out New York's entire apple crop.

NO CABBAGE

New York's production of cabbage would be cut by 47% with a value loss to New York's economy of over \$19.7 million a year.

NO ONIONS

Without crop protection products, 40% of the New York onions would be eliminated.