



OKLAHOMA

TOP 5 CROPS: OKLAHOMA

1. WHEAT
2. HAY
3. COTTON
4. SOYBEANS
5. CORN

Crop Protection Leaders

Oklahoma is home to three leading crop protection companies: Estes, Inc., Monsanto Company, and Winfield Solutions, LLC. These companies provide thousands of jobs, boosting our economy and securing our state food supply.

- In the Sooner State, an investment of \$1.00 in crop protection products yields anywhere from 4 to 10 times in direct economic returns, which the farming community can then reinvest to make Oklahoma's agricultural economy even stronger.
- The net benefits Oklahoma's agricultural economy gains from securing crops with various crop protection technologies ranges from \$14 to \$134 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 Oklahoma, the crop protection industry brings these same commitments, values, and technologies to the state's **\$7 billion food and agricultural economy**, safeguarding the state's food supply and protecting its environment.

Agriculture in Oklahoma: Driving the State Economy

Agriculture is a critical part of Oklahoma's economy, employs 343,636 people, and ranks 18th in the nation for total agricultural cash receipts.

**86,565
FARMS**

86,565 farms cover 35,087,269 acres across our state, powering a diverse agricultural economy.

**\$5.8
BILLION**

Oklahoma's agricultural products have an annual market value of \$5.8 billion, including 20% from crop production valued at \$1.16 billion.

**RANKS
4TH**

Oklahoma's top crop, wheat, accounts for 10.5% of the state's crop production, and 7.16 % of the nation's wheat production, with a value of \$528 million. The state is ranked 4th in wheat production for the nation.

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

CROP PROTECTION IN THE SOONER STATE

Ensuring Oklahoma's Robust and Healthy Food Supply

The food supply nourishing Oklahoma 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 – Oklahoma crops. Each year, **2.5 million weeds** prepare to emerge on every acre of Oklahoma's cropland, competing with crops for water, nutrients, space, and sunlight. And across Oklahoma, 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 Oklahoma'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 Oklahoma's Environment and its Citizens

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

Crop protection technologies enable Oklahoma 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 Oklahoma, crop protection technologies enable no-till production on 498,000 acres, preventing 2.3 billion pounds of soil erosion annually.

Planting more acres of arable farmland decreases animal habitats, impacting biodiversity. Crop protection technologies enable Oklahoma 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 Oklahoma growers to successfully preserve several endangered species populations that had nearly vanished.

Crop protection also guards the health of the food supply that sustains Oklahoma 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 Oklahoma and the nation.

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

NO WHEAT

From sandwich bread to cereal, to pasta, wheat is a staple of the American diet, but without crop protection Oklahoma's contribution—particularly as the fourth largest wheat producer in the country—would be reduced by up to 40%, draining \$64 million from the state's economy.

NO COTTON

Without the benefits of crop protection products for cotton, availability of the so-called fabric of our lives would be reduced by up to 30% affecting not only Oklahoma's agricultural industry, but damaging the U.S. textile, apparel, and home furnishing industries, among others.

NO PEANUTS

From a child's peanut butter sandwich to a protein-filled handful as a mid-afternoon snack, peanuts are an almost ubiquitous food choice in America. Without crop protection, Oklahoma's peanut crop would be cut by up to 59% with a value loss to the state's economy of as much as \$13 million.