



PRODUCTION RESEARCH MAKES A DIFFERENCE, TODAY AND TOMORROW



The Ohio Soybean Council and the soybean checkoff are committed to supporting research that improves soybeans in many ways – from increasing yields to expanding the marketplace. The knowledge gained from this research and the development of new soybean varieties are helping Ohio soybean farmers remain viable in an increasingly competitive world.

Facts on Soybean Composition and Production Research

Production research is made possible by funding provided by the soybean checkoff.

- A growing demand for soybeans with improved oil, protein and fiber content has led to the development of new soybean varieties.
- Researchers from The Ohio State University (OSU) and OSU's Ohio Agricultural Research and Development Center (OARDC) are developing soybean varieties with traits to enhance food and industrial uses of soybean oil.
- Since 2000, OARDC has released 16 soybean varieties including food production, low-linolenic acid and conventional varieties. OARDC has also researched soybeans resistant to glyphosate and high in protein.
- OARDC researchers have identified more than 10 additional sources of resistance to common diseases and pests and are finding ways to incorporate them into high-yield soybean varieties.
- OARDC plant pathologists continue to monitor soybean rust and have established 35 sentinel plots throughout Ohio as a first line of defense.
- OARDC researchers discovered *Rps8* – a breakthrough in new sources of resistance to *Phytophthora sojae*, the number one disease affecting Ohio soybeans.
- OARDC has released 50 soybean varieties since 1977.
- In 2007, Ohio was ranked sixth in the nation in soybean production with an annual value of nearly \$2 billion. New varieties produced by OARDC and introduced to the market add value to the state's agricultural economy.