

THE BIOAG ALLIANCE



WHAT IS THE BIOAG ALLIANCE?

As the world population grows at tremendous pace over the next decades, we will need to significantly increase the output from our land while at the same time making sure we use our resources most efficiently to protect our environment. Novozymes and Monsanto have created The BioAg Alliance to boost research and commercialization of sustainable microbial technology that can help farmers do exactly that.

In the Alliance, Monsanto and Novozymes maintain independent research programs. Novozymes is responsible for production of the microbial products, and Monsanto serves as the lead for field testing, registration and commercialization of the Alliance products.

The long-term partnership is dedicated to fundamentally enhancing research and development of microbial-based technology to increase productivity of the world's crops. Our current product portfolio includes inoculants, which help plants take up nutrients, and biocontrol products, which protect plants against pests, disease and weeds. They are sold through Monsanto's commercial division, Monsanto BioAg.

WHAT ARE MICROBIALS?

Microbial products are based on microorganisms derived from nature such as bacteria and fungi. They are typically produced by fermentation in a process similar to brewing beer. The products are applied to seeds before planting, in-furrow or sprayed on crops, and they offer a sustainable, cost-effective solution to improve and protect crop yields using less input.

In 2014, the market for microbes was approximately \$1.8 billion, while traditional fertilizers and pesticides totaled approximately \$240 billion.

ABOUT NOVOZYMES

Novozymes is the world leader in biological solutions. Together with customers, partners and the global community, we improve industrial performance while preserving the planet's resources and helping build better lives. As the world's largest provider of enzyme and microbial technologies, our bioinnovation enables higher agricultural yields, low-temperature washing, energy-efficient production, renewable fuel and many other benefits that we rely on today and in the future. We call it Rethink Tomorrow. www.novozymes.com

ABOUT MONSANTO COMPANY

Monsanto is a sustainable agriculture company. We deliver agricultural solutions and products that support farmers all around the world. We are focused on empowering farmers—large and small—to produce more from their land while conserving more of our world's natural resources such as water and energy. Monsanto is proud to work with farmers around the world – as they are a central support system for the world's economy, working day in and day out to feed, clothe and provide energy for our world. To learn more about our business and our commitments, please visit: www.monsanto.com. Follow our business on Twitter® at [www.twitter.com/MonsantoCo](https://twitter.com/MonsantoCo) or on the company blog, Beyond the Rows® at www.monsantoblog.com.

