

Information Sheet: BioAg Products for Organic Production

All products listed below are manufactured by Novozymes, who remains solely responsible for the content of this letter.

The following information covers products sold in the US and Canada. NOTE: Not all products are available in both countries.

United States

The following products have been reviewed by the Organic Materials Review Institute and are OMRI Listed in the United States as meeting USDA National Organic Program (NOP) standards:

- Actinovate® AG Biological Fungicide
- Actinovate SP Biological Fungicide
- Actinovate Lawn and Garden Biological Fungicide
- Actinovate STP Biological Fungicide
- Nitragin® Gold Pre-inoculant Nitrogen-Fixing Bacteria for Alfalfa & Sweet Clover Seed
- QuickRoots® ST Organic

California

The following product is registered with the California Department of Food and Agriculture (CDFA) as meeting the standards of their State Organic Program (SOP):

- Nitragin Gold Pre-inoculant Nitrogen-Fixing Bacteria for Alfalfa & Sweet Clover Seed

Canada

The following product has been reviewed by the Organic Materials Review Institute and is OMRI Listed in Canada as aligned with the Canada Organic Regime (COR) standards:

- Nitragin® Gold Pre-Inoculant Nitrogen-Fixing Bacteria for Alfalfa & Sweet Clover Seed

In addition, we provide the following information to help you and your certifier determine the suitability of our inoculants for organic production:

- Our peat inoculant products, namely Cell-Tech® peat and TagTeam® peat, are formulated with sterilized milled peat. Natural peat may contain human and plant pathogens. If present, these pathogens can grow and compete with rhizobia, especially when nutrients are added. In order to provide our customers with high performance peat inoculants that are safe to use, our peat is pre-sterilized using gamma and/or electron beam irradiation. In 2001, a major international certifying body made amendments to their standards to allow for the use of inoculants containing gamma irradiated peat. Other certifying bodies have followed suit. Check with your local chapter or certifying body to confirm their position on pre-sterilized inoculants before use.

- We do not use corn-based stickers in our peat inoculant formulations. We do, however, use a corn-based ingredient in our TagTeam® liquid soybean, TagTeam® Liquid pea/lentil and Cell-Tech® liquid pea/lentil inoculants. These are the only inoculants to be sold in the US and Canada in 2016 that contain any type of corn based ingredient.
- JumpStart®, as well as the wettable powder component in TagTeam liquid and TagTeam LCO liquid contain an ingredient that may not be allowed in organic production.
- *Penicillium bilaii* (*P. bilaii*), the active ingredient in JumpStart, is processed using a material that has been sterilized by irradiation but such material is not present in the final product.
- Optimize®, Torque® and Ratchet® liquid based products contain an ingredient that may not be allowed in organic production.
- PulseSignal II™ contains an active ingredient that may not be allowed in organic production.
- Liquid formulations are manufactured in a way that does not require irradiation for pre-sterilization. Steam and/or filter sterilization is used to sterilize liquid formulations. However, the bags that are used to ship/store liquid inoculants are sterilized using irradiation prior to use.
- TagTeam and Cell-Tech granular inoculants are peat based. The granulated peat carrier is not sterilized using gamma irradiation or electron beam methods.
- No Monsanto BioAg inoculant products contain sludge or waste derived products.

If you need more information or have questions about our products, contact Novozymes at 1-888-744-5662.

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