



# Non-GMO declaration of Canadian products and use of BASF legume inoculants in Organic Crop Production

November 17, 2015

To whom it may concern,

In reply to the interest of organic producers regarding the applicability of using BASF legume inoculants in the production of organic pulses and forage legumes, we are happy to supply the following information:

- The organisms formulated into our products are classified as; *Rhizobium leguminosarum biovar viceae* [for peas, lentils and faba beans]; *Bradyrhizobium* (Cicer sp) recently re-classified as *Mesorhizobium ciceri* [for chickpeas]; and *Bradyrhizobium japonicum* with or without *Bacillus subtilis* for soybeans.
- All of the species that we use in our products are common to Canadian soils.
- None of the organisms that we use in our inoculant products are products of genetically modified organisms (GMO).
- The entire BASF inoculant product portfolio for all legume crops sold in Canada is made using non-GMO organisms including all formulations of the following brands: HiStick® N/T, Nodulator®, Nodulator N/T, Nodulator PRO, Nodulator XL, Nodulator Granular and Liquid (formerly RhizUp® Granular and Liquid) and Liquid Extender.
- Our Rhizobium-only soybean liquid inoculants and our pea and lentil liquid inoculants are certified for organic production by OMRI in the United States. The BASF Rhizobium-only soybean liquid inoculants and our pea and lentil liquid inoculants have all been reviewed by the Organic Producers Association of Manitoba Co-operative, Inc. (OPAM) and found to be in compliance with Canadian Regulations (CAN/CGSB-32.310-2006 and its amendments & CAN/CGSB-32.311-2006 and its amendments).
- BASF recommends that prior to the use of any BASF inoculants on an organically grown crop, the grower must contact their certification body to ensure that our inoculant products are in compliance with their own internal regulations.
- Our sterile peat based products are irradiated.
- Our mineral-core granules can contain peat which may be irradiated. We also carry non-irradiated peat granules called Nodulator Granular inoculant.
- The formulation, and hence ingredient list, of all our products are trade secrets and as such they cannot be divulged.

The BASF facilities that manufacture inoculants have ISO 9001:2008 registered Quality Management Systems in place. The significance of this program is that it ensures that finished products that are shipped to our distributors, meet or exceed both internal and external regulatory standards. Each product is produced and stored independently of others having differing formulations.

BASF has freely supplied the information contained in this correspondence, however, it must be stated that should the decision be taken to use one of the Company's products the grower makes this decision at his/her own risk. BASF makes no claims that any of its products are suitable for organic growers nor that any of its products have been accepted as applicable for use by organic growers by the governing bodies of the organic movement.

For further information visit [agsolutions.ca](http://agsolutions.ca), call **AgSolutions**<sup>®</sup> Customer Care at 1-877-371-BASF (2273), or contact your local BASF retailer.

Sincerely,

BASF Canada Inc.

## **BASF Biological Products Approved for Organic Use**

The following BASF biological products\* have been approved for use in organic production:

### **For Lentil:**

- Nodulator XL liquid inoculant for pea and lentil

### **For Pea:**

- Nodulator XL liquid inoculant for pea and lentil

### **For Soybean:**

- Nodulator Liquid soybean inoculant

BASF recommends that prior to the use of any BASF inoculants on an organically grown crop, the grower must contact their certification body to ensure that our inoculant products are in compliance with their own internal regulations.

\* These products were reviewed by Organic Producers Association of Manitoba Co-operative, Inc. (OPAM) and found to be in compliance with the Canadian Standards (CAN/CGSB-32.310-2006 and its amendments & CAN/CGSB-32.311-2006 and its amendments).

## **BASF Biological Products Not Approved for Organic Use**

The following BASF biological products\* have NOT been approved for use in organic production:

### **Any form of clay (“solid core”) granule product, such as:**

- Nodulator granular legume inoculant specific for chickpea
- Nodulator granular legume inoculant specific for soybean
- Nodulator XL granular legume inoculant specific for pea and lentil

### **Any form of peat granule product, such as:**

- Nodulator Granular inoculant for pea and lentil
- Nodulator Granular inoculant for soybean

### **Any form of ground peat product, such as:**

- HiStick N/T peat inoculant for soybean
- Nodulator N/T peat inoculant specific for soybean
- Nodulator self-adhering peat inoculant for chickpea
- Nodulator self-adhering peat inoculant for dry Bean
- Nodulator self-adhering peat inoculant for faba Bean
- Nodulator XL self-adhering peat inoculant for pea and lentil

### **Any products containing liquid *Bacillus subtilis*, such as:**

- HiStick N/T liquid inoculant co-pack for soybean
- Nodulator N/T liquid inoculant co-pack for soybean

### **Any liquid preinoculants, such as:**

- Nodulator PRO
- Nodulator PRO 225

### **Any extenders, such as:**

- Liquid Extender

\* These products have been found to not be in compliance with the Canadian Standards (CAN/CGSB-32.310-2006 and its amendments & CAN/CGSB-32.311-2006 and its amendments).

### **Always read and follow label directions.**

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