**May 2025** edition


# SoyAgro™

**Soybean is a cash crop**. Like all crops, soybeans require a supply of nutrients to optimize growth. This document will help you determine when and how liquid nutrition can improve your soybean crop. The liquid nutrient **SoyAgro OP** has been specifically designed to fill the plant's need in minor elements. Applied at the start of flowering, **SoyAgro OP** will maximize the yield and the quality of soybeans harvested in your field.

## Soil + nutrients

To determine the appropriate application time, it is important to identify the development of the soybean plant by referring to the vegetative growth stages instead of the plant's height.

It is also important to know that soils poor in organic matter and with a coarse texture have a tendency to be poor in boron (B). Soils with a neutral or alkaline pH level may be deficient in manganese (Mn) and have a tendency to induce iron (Fe) deficiencies in soybean crops. Finally, a soil rich in phosphorus may induce a deficiency in zinc (Zn).

Foliar application of **SoyAgro OP** at the right vegetative growth stage supplies the required micronutrients at the right time to maximize pod development allowing your soybean harvest to reach its full potential in crop quality and quantity.

**SoyAgro OP** is activated by **Oligo Prime**®, an innovative biostimulant technology that allows for quick absorption and translocation of nutrients and reinforces the plant's natural defenses against abiotic stresses (drought, low temperature, salinity, etc.).

## Benefits of micronutrients in soybeans

Supply in nitrogen and micronutrients (boron, manganese, iron, and zinc) is beneficial and can be a determining factor in obtaining yields of superior quantity and quality.

7 **N** nitrogen 14.0067

### Nitrogen (N) and the soybean plant

- Promotes better plant and leaf development which are more conducive to an increase in productivity, especially when applied before the R2 stage

5 **B** boron 10.811

### Boron (B) and the soybean plant

- Allows pollination of soybean flowers and other crops
- Optimizes pod development
- Promotes the development and growth of nodules in legumes

25 **Mn** manganese 54.938

### Manganese (Mn) and the soybean plant

- Required for photosynthesis in plants and manganese is also an essential cofactor for the functioning of defensive enzymes that inactivate reactive oxygen species
- Plant tissue rich in manganese may reduce the incidence of mildew, sclerotiniosis and bacterial scald in the soybean plant

26 **Fe** iron 55.847

### Iron (Fe) and the soybean plant

- Iron deficiency in the soybean plant can cause significant leaf chlorosis and may cause up to 0.8 T/ha loss in overall yield

30 **Zn** zinc 65.39

### Zinc (Zn) and the soybean plant

- Zinc deficiency may result in a lesser production of flowers and beans
- Zinc could have an important role in pod formation
- Liquid nutrition with zinc could have a greater beneficial effect depending on soybean varieties


# results

## Yields that reach their full potential

Applying **SoyAgro OP** has generated significantly higher results when compared to control plots. These increases are spectacular. **The application of SoyAgro OP at V7 or R1 to R3 vegetative growth stages** supports and reinforces soil fertilization.

**In 2023-2024, another 15 trials were conducted in order to measure the effect of SoyAgro OP on soybean yields. These trials took place in Eastern Canada. Results show an average gain of 240 kg/ha (3.6 bu/acre) in favour of SoyAgro OP compared to control plots.**

**+240 kg/ha**
**(3.6 bu/acre)**

**2006-2010**
Results show an average gain of
**+241 kg/ha**
**(3.6 bu/acre)**

**2013-2014**
Results show an average gain of
**+245 kg/ha**
**(3.6 bu/acre)**


# SoyAgro™

## SoyAgro OP.
## A tactical ally to soil fertilization.

Liquid foliar nutrients provide a tactical advantage to your production. The application of **SoyAgro OP** at the right vegetative growth stage supports and reinforces soil fertilization. By providing the growing soybean plant with all the nutrients necessary to maximize the full genetic potential of the variety, **SoyAgro OP** optimizes pod development as well as overall yield results.

## SoyAgro OP. A dynamic input product for growing soybean yields.

Foliar nutrition supports a dynamic management of the soil and when applied at the right time and in the right amount, it encourages soybean growth. The right application promotes an increase in productivity. The main objective of **SoyAgro OP** is simple: abundant, bigger, and healthier pods.

**SoyAgro OP** at a glance

- Dosage: **4 L/ha** (1.6 L/acre)
- Optimal application stage: **first sign of flowering**
- 2006-2010 > average increase of **241 kg/ha (3.6 bu/acre)**
- 2013-2014 > average increase of **245 kg/ha (3.6 bu/acre)**
- 2023-2024 > average increase of **240 kg/ha (3.6 bu/acre)**

**SoyAgro OP** is a foliar nutrient designed for those who never compromise on quality. It works as hard as you. **SoyAgro OP**. **Fuel Growth. Fight Stress.**

# Application timing

## SoyAgro OP
### The right product. At the right dosage. At the right time.

**SoyAgro OP** is a concentrated liquid nutrient specifically formulated for foliar applications in order to stimulate flowering and to prevent and treat boron, iron, manganese, and zinc deficiencies in soybean and bean crops. It is also a source of nitrogen and sulphur, two essential elements for crop performance and crop quality.

**V7 or R1** stage

Apply **SoyAgro OP** in a minimum of 200 L of water **at V7 or R1 to R3 stages**. For best results, apply early in the morning or late in the evening. Always apply when there is sufficient leaf area to intercept spray.

## V7 or R1 stage
seven nodes starting from the first trifoliate
first flower blossoming on a node

**Images from**: Coop Extension Service (1982). *How A Soybean Plant Develops*. Special Report No. 53. Iowa State University of Science and Technology, USA.

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