



FabaStym  
**Symbiotic bacteria for seed inoculation  
of faba bean plants**



# FabaStym series

## Symbiotic bacteria for seed inoculation of faba bean plants

- symbiosis with the root system of faba bean plants
- plant-available nitrogen from the air
- up to 500 kg of nitrogen per hectare per year
- more and better quality of the crop



## FabaStym action:

- The symbiotic bacteria in the FabaStym range coexist with the root system of faba bean plants.
- Rhizobia are involved in the formation of nodules on the roots and provide assimilable nitrogen to the plant by fixing atmospheric nitrogen ( $N_2$ ) from the air and making it available to the plant in an assimilable form ( $NH_4^+$ ), allowing a significant reduction in the use of nitrogen fertilisers.
- The efficiency of  $N_2$  fixation ranges from 200 to as much as 500 kg/N per hectare in one year, thereby increasing the amount of nitrogen in the soil available for plant successor plants.
- The symbiosis of rhizobia with faba bean plants has a beneficial effect on yield increase, high protein content of the seeds and plant resistance to stress caused by unfavourable environmental conditions.
- In addition, the formation of root papillae improves soil structure.
- Seed inoculation with rhizobia is recommended because the symbiotic bacteria of some faba bean crops (e.g. soybean, faba bean, lupin and others) are absent or very low in abundance in most soils.

## Composition:

Symbiotic bacteria of faba bean plants at a concentration of 1 000 000 000 CFU/g.

## Directions of use:

- FabaStym formulations are designed to be applied directly to the seed of faba bean crops or to inoculate the soil before sowing.
- For soil inoculation, dissolve the preparation in 200-300 l of water and spread as a spray over an area of 1 ha.
- Moisten the seed with water at a rate of approximately 1% by weight of the seed.
- The seeds must be moist but not dripping wet.
- The seed preparation should then be mixed (in a mixer or concrete mixer) so that the dressing evenly coats the seeds.
- Detailed dosages are given in the leaflets of the individual preparations.

## Formulations in the FabaStym range are designed for inoculation of the following plants:

- **FabaStym Vicia** - peas, field beans, broad beans, lentils, vetches
- **FabaStym Combo** – seradella, lupin
- **FabaStym Soya** - soy
- **FabaStym Alfa** – lucerne
- **FabaStym Trifolii** - clover
- **FabaStym Galega** - galega





Bacto-Tech Sp. z o.o.  
ul. Polna 148, 87-100 Toruń, Poland

tel. +48 605-530-884  
e-mail: kontakt@bactotech.pl  
www.bactotech.pl

