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Rizoform Peas

Rhizobium leguminosarum D70 2-3×10 CFU/mL, carbohydrates - 0.5%, salts - 0.1%, water - up to 100 mL, pH - 6.5-7.4
Liquid microbiological fertilizer for the treatment (inoculation) of pea, vetch, bean, and lentil seeds before sowing, in advance of sowing, or application in the furrow during sowing.

Advantages:

— The possibility of inoculation of pea, vetch, bean, and lentil seeds in advance of sowing (15 days before sowing)
— Savings of mineral fertilizers due to symbiotic nitrogen fixation providing up to 70–80% of nitrogen required for the plants
— Nitrogen flow into the plant as necessary and its maximum provision in the critical crop development phases
— Increased fertility and activation of soil microflora due to biological nitrogen
— Increased productivity of pea, vetch, beans, and lentils, increased protein content in the crop
— Positive impact on the crops in crop rotation

Action

Inoculation of pea, vetch, bean, and lentil seeds with an effective strain of symbiotic nitrogen fixing bacteria promotes the formation of nodules and provides plants with nitrogen nutrition in the critical phases of development. This results in tubercles forming on roots that are capable of fixing molecular nitrogen from air and converting it in an available form for the plant. Due to such a unique process, plants absorb nitrogen from air as required for their continuous growth and development throughout the vegetation period. The process helps reduce the amount of mineral nitrogen introduced into soil without losses of yield. Depending on amount of available nitrogen, mineral nitrogen dose may be reduced by 30 to 70%.

The liquid inoculant of Rizoform Pea provides a guaranteed quality of inoculation due to the better adherence of the product to the seeds and a high ability of bacteria to be retained on the seed surface during transportation and seeding. The liquid formulation protects bacteria and increases their survival.

Advantages of microbiological fertilizer Rizoform Peas

— Unlike similar products, inoculant Rizoform Peas used together with stabilizing/sticky agent Static allows seed inoculation to be performed in advance, 5 to 15 days before sowing.

— Symbiotic nitrogen fixation provides up to 70% of nitrogen demanded.

— Nitrogen is introduced into the plant as necessary, and maximum consumption is ensured during critical phases of crop development.

— Biological nitrogen initiates increase of fertility and activation of soil microflora.

— Yield increases by 10-30%

— Favorable effect from treatment with Rizoform Peas may be seen in the 3-5 crop rotation cycle with cereal yield growth by 10-15%.

Usage regulations

Crop	Consumption rate	Time and conditions of application
Peas, vetch, beans, lentils	1.0-3.0 l/t Mix consumption – 5-10 l/t of seed	Pre-sowing treatment of seeds (on the day of sowing)
	1.0-3.0 l/t + stabilizing/sticky agent – 0.28-0.85 l/t Mix consumption – 5-10 l/t	Pre-sowing treatment of seeds (chemical protectors not used) in advance (15 days prior to sowing) with Static stabilizer adhesive supplementation
	2.0-3.0 l/t + stabilizing/sticky agent - 0.57-0.85 l/t Mix consumption - 5-10 l/t	Pre-sowing treatment of seeds (chemical protectors used) in advance (15 days prior to sowing) with Static stabilizer adhesive supplementation
	0.3-0.6 l/ha Mix consumption - 45-55 l/ha	Application to the soil during sowing (simultaneously with the seeds)

*Static (adhesive stabilizer) is included as part of the kit.

General information

Storage conditions

The preparation is to be stored unopened in its original package in dry, clean and ventilated premises at +4°C to +25°C. Avoid direct sunlight.
Safety: hazard class 4, low-hazard substance. The preparation producer strains are non-pathogenic, harmless for humans and animals, and are not toxic, allergenic or toxigenic.

Shelf life
2 years.
Packing
3 liter PE container
Registrant
Schelkovo Agrohim, Russia
Manufacturer
Schelkovo Agrohim, Russia