

Identification

What	Biostimulant
Composition	Inoculum of <i>Bacillus</i> and complex carbon chains of vegetable origin Bacteria (<i>Bacillus</i> spp.) 10 ⁹ CFU/g Content of complex carbon chains of vegetable origin: 9%
Form	Liquid



Authorized product, sold on the Belgian market under derogation number EM735.D, marketed in other European countries by application of Regulation (EU) 2019/515 (mutual recognition).

Characteristics

- This biostimulant consists of a combination of a microbial component and a component of organic origin; namely special bacteria strains (*Bacillus* sp.) mixed with specific complex carbon chains of vegetable origin.
- Trials have shown that this unique combination provides the following major benefits:

- The bacteria (*Bacillus* sp.) colonize the rhizosphere and release the phosphorus present in the soil, which makes it uptakeable for the plant roots.

This will help to obtain:

- better root development: **strongly branched and longer roots**, in open field as well as in organic (potting soils) and mineral (rock wool) substrates;
- a **higher survival rate** when sowing, planting out cuttings, repotting... and improved anchoring.
- Enhanced stability of the soil aggregates and stimulation of the soil life.
- The carbon chains in DCM VITACT® R can bind nutrients present in the soil or the substrate. As a consequence, these nutrients become and remain available for the plants and are less susceptible to leaching.
- Protects the bioactive components against decomposition.
- A **better nutrient uptake** (N, P, K + trace elements...) stimulates the **aboveground and underground growth** and optimizes the health of roots and plants.
- **Stronger plants and improved resistance** to external stressors thanks to a more efficient nutrient uptake.
- Tested on various crops: tuberous and root crops (carrots, potatoes...), lawn ...

Packaging

5 L container (5,30 kg) – 4 containers/carton (= 20 L)

1 L bottle (1,06 kg) – 8 bottles/carton (= 8 L)

Instructions for use

CROPS	DOSAGE AND FREQUENCY
Field crops	1 L/ha, apply with 400 to 1000 L water 2 applications : at the start and after 4 to 6 weeks
Arable crops	500 ml/ha, apply with min. 200 L water 1 application on the ridge/in the row while sowing/planting
Substrate cultures (protected crops)	1 - 2 L/ha, apply with 400 to 1000 L water 5 – 10 ml/m ³ , apply with 2 to 10 L water 2 applications, with an interval of 4 to 6 weeks Spread evenly over the substrate
Irrigation of seedlings and cuttings in pots/trays	1 ml per L Moisten the substrate without creating drainage
Lawns and sports turfs	1 L/ha; apply with sufficient water (min. 1000 L/ha) to make the product available in the immediate vicinity of the (young) roots 2 applications during the growing season with an interval of 4 to 6 weeks

- Shake the bottle/container before use.
- Apply the product as close as possible to the (young) roots by watering or by drip irrigation.
- Apply the product to moist soil/substrate.
- Avoid run-off and do not create drainage immediately after application of the product. Avoid watering for the first few hours after application and postpone the application if rain is expected.

Storage

Store the product at room temperature (between 5 ° C and 20 ° C) in a well-ventilated space without temperature fluctuations. Store the product away from sunlight, in its original packaging. Keep the product out of the reach of children and pets and away from food, drink and animal feeding stuff.

Miscibility

Contact your dealer for product compatibility information.

DCM products comply with the data indicated on their packaging and/or the technical data sheets, and are fully traceable. Product advice is intended to be used for informative purposes only and does not imply any commitment or agreement. The instructions for use are based on many years of practical experience and research. Each plant and each cropping system has its own requirements. The time of application, the type of soil/growing medium as well as statutory standards are also important in determining fertiliser application rates. It is advisable (good practice) to always test new product applications on a small scale first. DCM accepts no liability for consequential damage caused by the use of its products.

TECHNICAL DATA SHEET FOR EXPORT – EXEN – NSJ - 250220