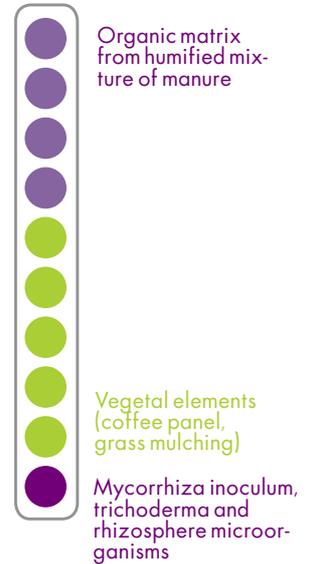




STARSOIL®



COMPOSITION



PACKAGING:

- 25 kg bag on a 1500 kg pallet
- 500kg big bags
- Bulk

CHARACTERISTICS:

The ground needs interventions in order to keep and, if possible, improve during time its fertility characteristics: this allows crops to produce good harvest with a high quality product. Therefore, please pay attention not only to plant nutrition, but also to soil protection, whose fertility problems might be:

- lack of organic matter
- excessive surface oxidation
- poor biological activity
- compaction

An important and distinctive factor is the complete absence of organic elements coming from sludges (industrial, civil purifiers), from rubbish (RSU), from mulching and pruning.



Treated lettuce in garden centre (right)
Untreated lettuce in garden centre (left)

For this reason, DELTA offers **STARSOIL®**: created with vegetal organic elements and animal manure that undergo a 9 months-long process of fermentation/humification which guarantees the humification and the absence of potential infesting seeds.

During the last phase takes place the inoculation of mycorrhiza (*Glomus Intraradicens*) + selected microorganisms, among which there is the *Trichoderma* spp (*Harzianum*).

Inoculums are kept to rest and multiply inside the main heap of manure and are later transferred into bigger heaps where they can multiply their microorganisms and their enzymatic activity, which will be moved to the ground in the pre-processing phase. The final aim is to create an optimal condition for the increase of biological activity in the rhizosphere and a more developed and efficient root system.



Root development of spinach with **STARSOIL®**

↓ COMPOSITION AND AVERAGE CONTENT (according to current legislation, values for soil improvers are expressed in % for dry elements)

Mixed composted soil improver	98,8%
Mycorrhiza content	0,2%
Rhizosphere bacteria (CFU/g)	1.198.900.000
Trichoderma spp. (harzianum) (1x10 ⁸ CFU/g)	1%
Humidity (H ₂ O)	16 - 22%
Organic Carbonate (C)	28 - 30% s.s.
Organic matter	56 - 60% s.s.
Humic/fulvic Carbon	7% s.s.
Total Nitrogen (N)	3,5 % s.s.
Organic Nitrogen (N)	3,0 % s.s.
pH	7,5
C/N	8

Specific weight	0,6 - 0,7 kg/l
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↓ MICROORGANISMS (expressed in UFC/g, colony-forming units for g of product)

Total aerobic bacteria load	1.960.000.000
Total anaerobic bacteria load	1.450.000.000
Escherichia Coli	< 10 UFC/g
Salmonella, clostridia, streptococcus	ABSENT

↓ MICROELEMENTS

Boron (B)	20 mg/kg
Magnesium oxide (MgO)	1%

AVERAGE DOSAGE AND DIRECTIONS OF USE



STARSOIL® pellet

STARSOIL® is recommended for every soil that needs the reactivation of biological activity: fields after work and destined to arboreal planting, fields that suffer from "fatigue" caused by monoculture succession, fields that undergo premature horticulture transplants with a medium-long 50 - 90 day long cycle, fields that need an integrated management of the planting for mulching/covering or mulching/green manure (arboretum/vineyard).

AUTUMN-WINTER CEREALS:

open field distribution with the amount of 2 ton/ha and consequent burial, max 2.5 cm of depth: the best moment is in the pre-sowing period in autumn (for wheat, barley, oat and spelt) and in february-march on pre-tillage hay for rice.

HORTICULTURAL CROPS:

open field distribution with the amount of 2 ton/ha and consequent burial, max 2.5 cm of depth: the best moment is during soil preparation, post-tillage or before the last process of soil refining, during pre-transplant or sowing.

The process can also be made on a 50 - 60 cm wide line that equals to 1 ton/ha for horticultural crops with a medium-long cycle, or 200 kg for 1000 m² if in a tunnel greenhouse.

ARBOREAL CROPS:

open field distribution with the amount of 2 ton/ha for orchards, vineyards, citrus trees and olive trees; in case of "planting" it is recommended to add **STARSOIL®** in february before vegetative restart of grass, be it destined to mulching or green manure.

NEW ARBOREAL IMPLANTS:

distribution with the amount of 40 - 60g/hole (depending on its dimension), mixed with the soil.

SOIL/SUBSTRATE PREPARATION:

mix 15/20% of **STARSOIL®** with the soil in use, let it rest for some hours and then proceed with re-potting.

Abovementioned doses have indicative value and can vary in relation to pedoclimatic characteristics of each area (fertility: chemical, physical and biological; rainfall and temperature).

Keep in a sheltered dry place.



Keep out of reach of children and animals

The analytical data written on packaging follow the instruction of the regulation in force. All data included in this publication are indicative. DELTA srl reserves the right to change them without prior notice.



Properly dispose of packaging.
Only for professional use.

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