

HAARLA**AGRI&FEED**

MORE POWER FOR THE SOIL AND GRAIN MYCORRHIZA



Organic approval
Approved for organic farming in
accordance with EC Eco-Regulation
889/2008 Art. 3(4)

Haarla Mycorrhiza -product family offers solutions based on mycorrhizal fungi and soil bacteria for the efficient use of nutrients and water, to reduce input of fertiliser and pesticides and to increase yields.

The functionality of the Mycorrhiza is based upon the exchange of carbohydrates for inorganic nutrients between fungi and plants. Phosphorous compounds in the soil can be broken down by the fungal network and be made available to plants again. Through this efficient uptake of nutrients the artificial addition of chemical fertilisers can be considerably reduced. The Glomalin produced by the fungi ensures natural bonding of the soil. Due to this, water and nutrients can be better saved in the long term. This is particularly noticeable during dry periods, throughout which growth can be generated for longer.

FERTILISER REDUCTION

In principle, the more nutrients are available in the soil, the less fertiliser is necessary. The fungi have the ability to unlock compounds not available to plants and to channel these into the fine root system. As a general rule, a reduction in the use of chemical fertiliser of up to 30% can be expected, as the plants are able to absorb the fertiliser more readily.

GROUND WATER AND SOIL RELIEF

The mycorrhizal fungi use the available nutrients more efficiently. This means that a great-

	HAARLA MYCORRHIZA	UNTREATED	UNIT	
sugar	40,9	31	%	Laboratory analysis of garlic, trial fields, the Netherlands, June, 19th 2014
K	2940	906	ppm	
Mg	112	37	ppm	
S	560	231	ppm	
Na	22	4	ppm	
Zn	2,62	1,32	ppm	

er amount of the phosphor and nitrogen fertiliser will actually be taken up by the plant. Due to this, less nutrients end up unused in the ground water. The mycorrhizal fungi are particularly useful in regions with high nitrate pollution, helping to mitigate this problem.

DRY PERIODS

The mycorrhizal symbiosis prevents stress situations. Through the greater catchment area of the fungal network, the plant has considerably more access to water and nutrients. Especially during dry phases growth can still be generated.

INCREASED YIELD

Increased yields can be expected due to the improved provision of nutrients and reduced dry-stress phases. How noticeable the increase is depends on the individual characteristics of the soil and the climatic conditions during the cultivation year. But also the nutritional composition of the plants, such as protein (soya) or starch (potatoes) can be optimised with the use of mycorrhizae. See the table above for laboratory analysis results.





HAARLA MYCORRHIZA

-PRODUCT FAMILY

**ALSO
AVAILABLE**
for grape, potato,
soya, and more!



WHEAT, OATS, RYE & CO.

Haarla Mycorrhiza powder
as seed dressing for crops.
Dosage for cereals:

Content: 400 g for 1 hectare
(up to ca. 4.000.000 grains)

Myco: 1.000.000
active fungal units

Bacteria: natural soil bacteria
Certified for use
in organic farming.
Approved NPK fertiliser.



CLOVER & LUCERNE

Haarla Mycorrhiza powder
as seed dressing for crops.
Dosage for clover and lucerne:

Content: 200 g for 1 hectare
(ca. 40 kg seeds)

Myco: 100.000
active fungal units

Bacteria: natural soil bacteria
and rhizobia
Certified for use
in organic farming.
Approved NPK fertiliser.



SUNFLOWERS & MAIZE

Haarla Mycorrhiza powder
as seed dressing for crops.
Dosage for sunflowers:

Content: 200 g for 1 hectare
(ca. 85.000 grains)

Myco: 1.000.000
active fungal units

Bacteria: natural soil bacteria
Certified for use
in organic farming.
Approved NPK fertiliser.



PRODUCTION HORTICULTURE

Haarla Mycorrhiza powder as
seed dressing for crops, for
pickling, spraying spreading.
Universal dosage:

For herbs, salad,
tomatoes, strawberries, onions
and much more.

Content: 200g

Myco: 1.000.000
active fungal units

Bacteria: natural soil bacteria
Certified for use
in organic farming.
Approved NPK fertiliser.

MORE INFORMATION?

Contact your Haarla representative
or email info@haarla.com