



Innovation and Quality Mycorrhiza

INOQ GmbH

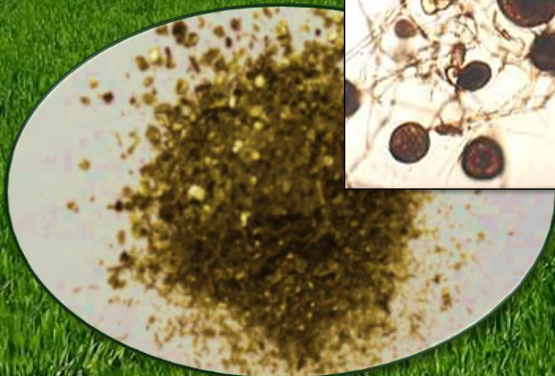
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*Innovation and Quality
Mycorrhiza*



About us

INOQ is a leading developer and producer of beneficial microorganisms for sustainable agriculture and food production. We specialize on high quality Mycorrhiza products.

INOQ works as an interface between research and application in the field of Agriculture, Horticulture, Gardening and Forestry. Our scientists work with our sister company Institut für Pflanzenkultur and other national and international research institutions in world-class research and innovation projects.



Mycorrhiza for all plants

Mycorrhiza is the symbiosis of plants and fungi in the soil. The fungi provide the plants with nutrients, mainly phosphates and nitrates, and make water more easily available. Through this symbiosis, root growth is strongly stimulated, the plants bloom more and become more tolerant of diseases, bad weather and poor soil conditions. Mycorrhizal fungi also improve the soil structure. Soil aggregation is improved by the hyphal network.



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Infrastructure

Infrastructure for commercial plant propagation with 11 sterile workplaces, 5 climate chambers,

Microbiology laboratory for investigation of soil and root samples as well as for investigation of specific plant growth promoting characteristics of microorganisms with multimode plate reader (spectrophotometric measurements of f. e. DNA, RNA, enzyme activities, optical density of bacterial cultures etc.)

Molecular laboratory (German S1 standard) for the identification of microorganisms (PCR, electrophoresis, gel documentation, incubation rotator)

Greenhouses (1.800 qm foil tunnel)

16,5 ha agriculture with field trial areas as well as production of plants.

Production Capacity

Production facilities for plant propagation and climate chambers

Production facilities for mycorrhizal fungi on different carrier materials (open system, sterile root organ culture ROC).

We offer infrastructure and specialized scientific personnel to support the product development process of our customers.

We have the capacity to produce mycorrhiza fungi propagules to inoculate up to 2 Mio hectares.



Benefits of Mycorrhiza

Increases growth and survival rates

Increases tolerance to pests, and diseases

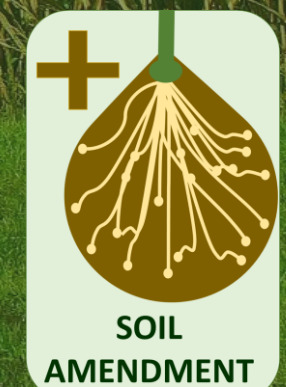
Aggregates soils particles with fungi's binders

Promotes rapid crop cover and root penetration

Improves rooting of cuttings and increases blooming

Promotes efficient water and nutrients intake on plants

Improves plant tolerance of adverse weather conditions





Mycorrhiza Products and Applications

INOQ provides high concentrated mycorrhiza products for professional users :

Up to 550 Million Mycorrhiza units (propagules) per Hectare.

INOQ ADVANTAGE is sold in concentrated powder form and can be mixed with most of the commercially available substrates and growing media. Our product is ideal to enrich non-peat substrates and to mix with fertilizer formulations.

INOQ products can be used also in organic farming in accordance to EC Regulation 889/2008 Article 3(4).

INOQ products contain no genetically modified organisms (NO-GMOs)

Applications



Gardeninig and
Landscaping



Horticulture and
Agriculture



Golf and
Sport Greens



Plant
Production



Recultivation



Tree planting and
restoration

Hobby and semi-pro Users



Professional Users





Products for Professionals and Private Label



INOQ supplies Mycorrhiza to seed coaters, fertilizer and substrate companies. We provide mycorrhiza ready-to-mix products.



INOQ provides technical support to develop custom-made and special products based on mycorrhiza for different applications.



INOQ also supplies mycorrhiza for distributors selling their own brand (private label).

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Our value proposition for your business

- **Mycorrhiza products with high quality and high concentration of propagules.**
- **Strong quality control to secure product effectiveness, vitality of spores and phytopatogens-free products.**
- **Competitive price and quality per value products.**
- **Strong technical and scientific background with access to a large network of scientist to support our product development process:**
 - **Research collaboration with more than 60 Top ranked Universities and private firms from all over the world.**
 - **Proven strong scientific background with more than 45 scientific publications on internationally recognised peer reviewed journals and conferences.**
 - **Research and innovation experience with more 25 European and international projects (EU's H2020, Eurostars, others).**



Quality Assurance and product performance

INOQ has a strict quality control process to secure that our product meets the quality and performance declared in our product declaration sheets.

INOQ certifies that all of our product contains the declared number of mycorrhiza units (propagules).

INOQ certifies that all of our product contains only living mycorrhiza spores.

INOQ products are produced in controlled environments to secure high effectiveness and products free of phytopathogens (DNA multiscan®)

	
INOQ Advantage	
Agriculture and horticulture, for seed coating high-concentrated inoculum with new formulation Particularly recommended for seed coating in agriculture and greenhouse cultures Mixable with different carrier materials Improves air and water uptake for the plant May be used in organic farming in accordance with EC Commission Regulation 853/2005 Article 3 (4)	
Charge C-0011	
Soil amendment/bioinoculant	
By using living microorganisms Contains 100% living mycorrhizal propagules (Fungi 0.1%, Glomerulomycota 0.1%, Glomerulomycota 0.1%, Glomerulomycota 0.1%) For soil improvement and increase of biological activity	
Net volume	1 ml
Distributor INOQ GmbH, CEO: Dr. Caron Schneider, Solkau 2, 29465 Schnega Tel: +49 (0) 58 42/98 16 72, Fax: +49 (0) 58 42/4 93, info@inoq.de, www.inoq.de	
Raw Material Carrier Material: Without (small shares < 0.5 mm) Living Microorganism: Endomycorrhizal Fungi Rhizoglomerulomycota, Funneliformis mosseae, Funneliformis laticaulis	
Storage	2 years, between 4 °C and 15 °C under dark and dry conditions
Usage	In agriculture (recommendation) 1000ml/ha In greenhouse (recommendation) 1 ml/1000 L substrate
Further information	
Endomycorrhizal Fungi (Native strains, do not contain genetically modified organisms (GMOs))	
Mycorrhiza units (per 100 ml)	850 million
Mycorrhiza Effectiveness	64.5
Specific weight (g)	375 - 500
Tolerance against fungicides	proven
Health and safety information	No special precaution necessary Avoid breathing or ingestion Absence of phytopathogens proven (DNA multiscan®) Material Safety Data Sheet available
Packaging	1 ml, 25 ml, 50 ml, 100 ml, 500 ml, 1000 ml



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