



RELIABLE INOCULANTS

MYCORRHIZAE ▪ RHIZOBIUM

ORGANIC OFFER | 2020



The only brand on the market to offer the combination
of beneficial **mycorrhizae with rhizobium**

AGTIV

PULSES
Peas, lentils and faba beans

MYCORRHIZAE & RHIZOBIUM
BIOLOGICAL INOCULANTS

- ✓ BIGGER ROOT SYSTEM
- ✓ MORE NODULES
- ✓ BETTER POD FILL

PREMIER TECH PTAGTIV.COM



Approved for use in
organic agriculture
by

Pro-Cert
APPROVED INPUT

PTAGTIV.COM/en/products

AGTIV® PULSES • Granular and AGTIV® FIELD CROPS - O • Powder
are approved for use in organic agriculture by Pro-Cert.

All the AGTIV® offer above is eligible for Organic use,
consult our certifications at PTAGTIV.COM/en/certificates

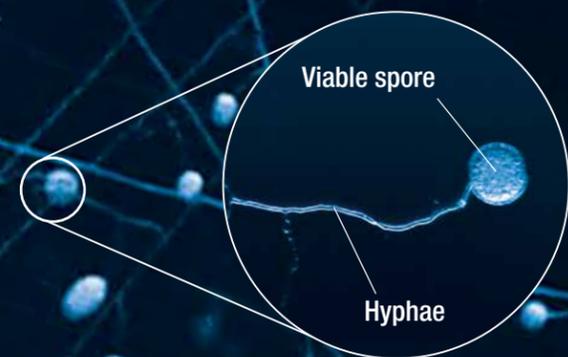
Microscopic view of root with mycorrhizae

10X

MORE AREA FOR WATER UPTAKE WITH MYCORRHIZAE THAN ROOT HAIRS

“The absorptive area of mycorrhizal hyphae is approximately 10 times more efficient than that of root hairs and about 100 times more efficient than that of roots.”

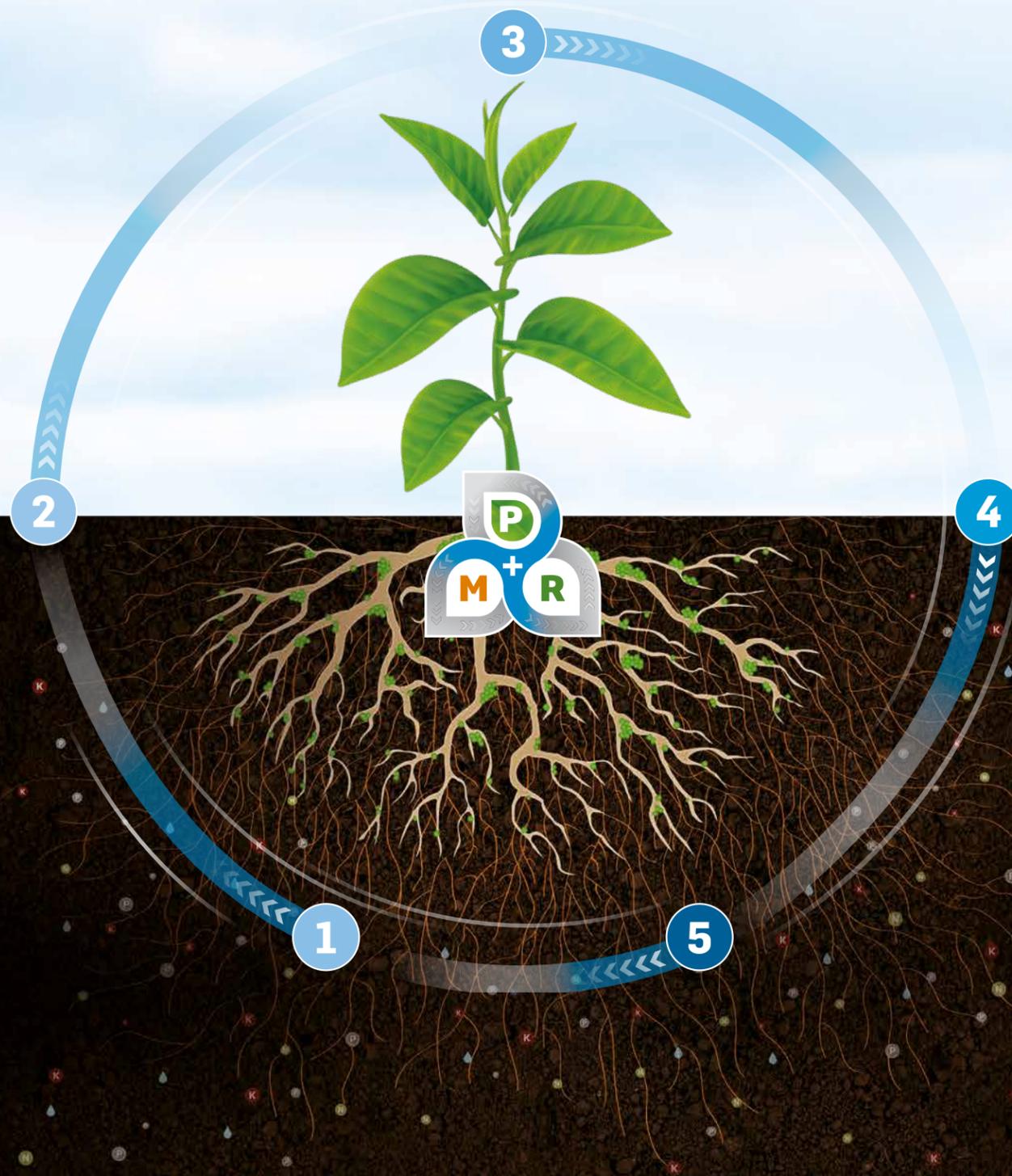
Jones, C. E. 2009. Mycorrhizal fungi - powerhouse of the soil. Evergreen Farming 8:4-5.



Root hair

TRIPARTITE SYMBIOSIS

FEED THE PLANT & ENHANCE PHOTOSYNTHESIS



- 1 **M** Mycorrhizae take up P and water from soil to transfer to **P** plant
- 2 **P** Plant can give more P to **R** rhizobium to fix more N
- 3 **P** Plant will photosynthesize **51%*** more and grow faster
* Kaschuk et al. 2009. Soil Biol. Biochem. 41:1233-1244
- 4 **P** Plant gives carbon to its **R** rhizobium and **M** mycorrhizae partners
- 5 **M** Mycorrhizae will propagate and spread **R** rhizobium to other roots

By enhancing root system growth and creating a network of filaments, **M** mycorrhizae help **P** plants uptake more water and nutrients, such as phosphorus, and increase the nodulation process for the **R** rhizobium.

To learn more about the tripartite symbiosis



INNOVATION & VALUE

PRODUCTION



FORMULATION



APPLICATION



SERVICE



35
year
OF EXPERTISE
IN ACTIVE
INGREDIENTS

Established manufacturer and marketer, Premier Tech builds on innovation and collaboration with local partners and growers to offer reliable high-quality inoculants. Every day, in our labs, facilities, and in the field, highly experienced scientists, engineers, and specialists from various domains collaborate to maximize the outcomes of research and turn them into effective products making a difference on your bottom line.

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