Agrifutur
CULTIVATING LIFE

SOLUTIONS FOR **MODERN** AND **SUSTAINABLE AGRICULTURE**

RESEARCH & INNOVATION FOR SUSTAINABLE AGRICULTURE



MISSION

The agronomy solutions developed by Agrifutur make an important contribution to organic and integrated farming, by reducing or eliminating the need for synthetic pesticides and, as a result, pesticide residues.

The agronomic advantages are thus reflected in improved food safety, greater environmental protection, with attendant health benefits for agricultural workers and consumers. Agrifutur is proud to be contributing to sustainable farming methods. Our corporate mission has remained the same from day one.

VISION

Agrifutur develops and manufactures products based on beneficial microorganisms. Agrifutur has devoted over 30 years to its bold and innovative vision. We are finally seeing our dreams become reality after a long wait: farming methods that can produce healthy foodstuffs which are both sustainable and profitable. The growing number of success stories has increased our daily commitment and enthusiasm for the work of Agrifutur – cultivating life year in and year out.



BIOFERTILISERS

ENERFRUT™
Extract of seaweed for better plant nutrition and to stimulate plant metabolism. Soluble powder formulation. Available as a powder or a liquid.

BRUNAL™
Liquid yeast extract with brown seaweed to improve plant biochemistry. Liquid formulation.

CRETAX™
Soluble humic acids to improve soil properties and optimise redox reactions in the soil. Available as a powder or a liquid.

GEMS™
Organic nitrogen fertiliser to feed plants and promote the perfect balance between growth and yield. Liquid formulation.

PRODUCTS FOR LEGUMINOUS PLANTS

ACTILEG™ SOIA
Inoculum of mycorrhizal fungi with specific rhizobia for soya beans; distributed as microgranules.

ACTILEG™ CECE
Inoculum of mycorrhizal fungi with specific nitrogen-fixing rhizobia for chick peas; used to treat seeds in the hopper. Also available as a liquid.

ACTILEG™ PISELLO
Inoculum of mycorrhizal fungi with specific nitrogen-fixing rhizobia for peas; used to treat seeds in the hopper. Also available as a liquid.

ACTILEG™ FAGIOLO
Inoculum of mycorrhizal fungi with specific nitrogen-fixing rhizobia for haricot beans and green beans; distributed as microgranules.

ACTILEG™ FAVA E FAVINO
Inoculum of mycorrhizal fungi with specific nitrogen-fixing rhizobia for broad beans and field beans; used to treat seeds in the hopper. Also available as a liquid.

ACTILEG™ LENTICCHIA
Inoculum of mycorrhizal fungi with specific nitrogen-fixing rhizobia for lentils; used to treat seeds in the hopper.

ACTILEG™ TRIFOGLI
Inoculum of mycorrhizal fungi with specific nitrogen-fixing rhizobia for clover; used to treat seeds in the hopper.

ACTILEG™ ERBA MEDICA
Inoculum of mycorrhizal fungi with specific nitrogen-fixing rhizobia for lucerne (alfalfa); used to treat seeds in the hopper.

Versions of **Actileg** are also available for **lupins, vetches, sainfoin and other legume crops**.

NITROGEN™

NITROGEN QUICK
Liquid nitrogen-fixing rhizobia specifically for use with soya beans.

NITROGEN SOYA T
Nitrogen-fixing rhizobia in fine peat used to treat soya beans directly in the hopper.

NITROGEN T (sainfoin, haricot beans, peanuts, etc.)
Nitrogen-fixing rhizobia in fine peat specific to each legume.

GROWTH PROMOTERS

MICOVER®

Inoculum of mycorrhizal fungi with a high concentration of mycorrhiza, rhizosphere bacteria and *Trichoderma harzianum*. Wettable powder formulation.

KELIDOR™

Inoculum of mycorrhizal fungi with a high concentration of mycorrhiza, rhizosphere bacteria and *Trichoderma harzianum*. Micrognanule formulation.

GLOMAX™

Inoculum of mycorrhizal fungi with a high concentration of mycorrhiza, rhizosphere bacteria and *Trichoderma harzianum*. Micrognanule formulation.

RADIFORCE®

Inoculum of mycorrhizal fungi with a high concentration of mycorrhiza, rhizosphere bacteria and *Trichoderma harzianum*. Wettable powder formulation.

CEREAL PROMOTORS

ACTICER™ SEED

Mycorrhizal inoculum with a high concentration of endomycorrhizas, rhizosphere bacteria and *Trichoderma harzianum*; used to treat seed grain. Available as a powder or liquid formulation.

ACTICER™ RISO

Mycorrhizal inoculum with a high concentration of endomycorrhizas, rhizosphere bacteria and *Trichoderma harzianum*; used to treat seed grain. Available in a granule or powder formulation.

ACTICER™ MAIS

Mycorrhizal inoculum with a high concentration of endomycorrhizas, rhizosphere bacteria and *Trichoderma harzianum*; used to treat maize. Granule formulation, distributed as microgranules.

SPECIAL PRODUCTS

FUSPIÙ™

Inoculum of naturally-occurring microorganisms that promote the decomposition of plant waste. Available as wettable powder, granules or peat formulation.

TERRAD™

Inoculum of naturally-occurring microorganisms that promote the decomposition of plant waste. Available as granules with inert grains or wettable powder.

POLVERE DI PIETRA

Natural product based on fine-milled clinoptilolite.

ENTOMOPATHOGENIC NEMATODES

OPTINEM™

OPTINEM C
Steinernema carpocapsae to control borer beetles, plant-eating caterpillars, cranefly and palm moth larvae *(Paysandisia archon).*

OPTINEM F
Steinernema feltiae to control codling moth larvae, fungus gnats and thrips.

OPTINEM H
Heterorhabditis bacteriophora to control chestnut moths, black vine weevil and soil-dwelling beetle larvae.

RESEARCH

Applied microbiology is incredibly beneficial for agricultural production, as well as complex and multifaceted – encompassing identification, genetic stability, microbial growth optimisation, fine-tuning of product formulation and use in the field. We have always focused on building research networks which work together to deepen understanding of key issues.

Over the past 20 years, Agrifutur has consistently been involved in European and national research projects. As a result, we have established solid links with universities and centres of excellence in Europe and beyond. **Agrifutur coordinated the European BCA Grape project between 2008 and 2010** (Seventh Framework Programme). **Agrifutur is also a partner in two new European projects: DROPSA** – strategies to develop effective, innovative and practical approaches to protect major European fruit crops from pests and pathogens (Seventh Framework Programme, KBBE, 2013.1.2-04) and **GRABGAS** – green roofs that clean SME industrial gas containing low and variable concentrations of Volatile Organic Compounds (Seventh Framework Programme, SME-2013).

RESEARCH AND DEVELOPMENT (R&D)

ANTAGONISTIC MICROORGANISMS

AGF-Th908

Using *Trichoderma harzianum* ITEM 908 to control root rot and botrytis.

In cooperation with the Institute of Sciences of Food Production, National Research Council (CNR-ISPA) in Bari (Italy).

AGF-Fo483

Using hypovirulent *Fusarium oxysporum* to control fusarium wilt.

ENTOMOPATHOGENIC MICROORGANISMS

AGF-Ma5

Using *Metarhizium anisopliae* BIPESCO 5 to control wireworm, black vine weevil, whitefly, aphids and mites.

In cooperation with the University of Innsbruck (Austria).

AGF-Bbr2

Using *Beauveria brongniartii* BIPESCO 2 to control cockchafer larvae (*Melolontha melolontha* and *M. hippocastani*).

In cooperation with the University of Innsbruck (Austria).

ANTAGONISTIC BACTERIA

AGF-PaP10c

Using *Pantoea agglomerans* strain P10c to control fire blight (*Erwinia amylovora*) in pome fruit.

In cooperation with Plant & Food Research (New Zealand).

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Microbiology in the field

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