agriges

PETRO EVO BLACK

+ safety

+ roots

+ production

Green Path

Producing more and producing healty!

Green Path is Agriges practical answer to the new challenge of modern agriculture. The project core is to develop safe and sustainable products that allow achieving abundant, quality and healthy yields while reducing the use of chemical and potentially polluting products. The project involves the collaboration of Agriges with research institutes, experimental centres, universities, cooperatives and farms for the development and testing of new formulations.

+ safety **+ sustainable** **+ production** **+ quality** **- chemistry** **- pollution**

P-TECH®

P-TECH® technology

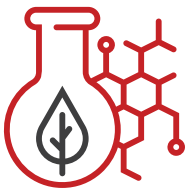
P-tech® is the exclusive production process thanks to which all the nutrients supplied with fertilization are covered and actually available for cultivation.

P-tech® incorporates the quality of raw materials, the properties of humic substances with three exclusive technologies which:

- increase soil nutrients availability, especially phosphorus, reducing the phenomena of insolubilization;
- stimulate rooting and improve yields;
- increase soil fertility and the amount of nutrients available for the crop.

Noble raw material

The best Leonardite from North Dakota, extracted from deposits submerged by fresh water, containing the highest concentration of humic substances in the world.

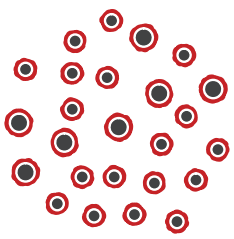


Processing

The raw materials are finely micronized and stabilized, to obtain an ideal substrate for the coating process.

Application

Through the industrial coating process, the granules are uniformly coated with the humic raw material.



Result

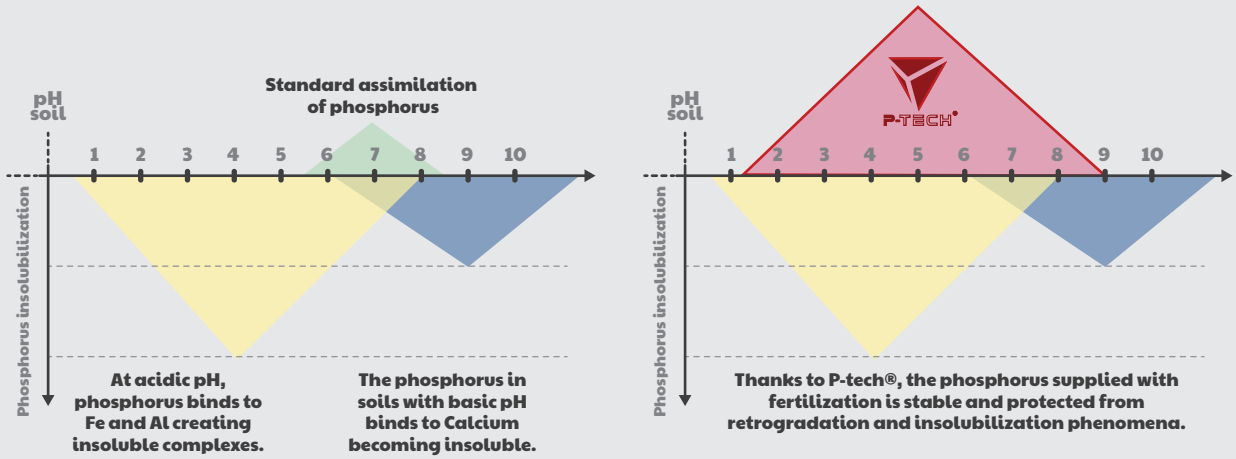
Once the granules are uniformly coated, P-tech® makes them stable to the phenomena of phosphorus retrogradation, increasing the availability of this nutrient.

THE INSOLUBILIZATION OF THE PHOSPHORUS

Phosphorus is a macronutrient that undergoes insolubilization phenomena once applied to the soil.

At acidic soil pH, phosphorus binds to iron and aluminium creating insoluble complexes. Likewise, in calcareous soils, phosphorus binds to calcium becoming tricalcium phosphate, unavailable for plant.

Many studies show that phosphorus availability in the soil improves considerably when this nutrient is naturally complexed with humified substances, doubling the amount usable by plants.



Three technologies for an exclusive production process

Ryzea

Ryzea is the production technology that Agriges has developed for the extraction of phytostimulating molecules from three brown algae: *Ascophyllum nodosum*, *Fucus spp.* and *Laminaria spp.*

BPC

Bpc is characterized by a carefully selected microbial consortium containing growth promoting rhizobacteria (PGPR) of the genus *Bacillus spp.*, capable of solubilizing phosphorus.

BBTP

BBTP is a natural protective coating (of a lipid nature) which behaves like a selective membrane capable of regulating the release of nitrite elements.

P-TECH

P-tech® perfectly combines the characteristics of the different coatings with the humic extracts of Leonardite, covering the granules in a uniform manner and protecting the phosphorus from retrogradation phenomena.

PROCESSO

RyZea is enriched with BPC growth promoting bacteria and distributed in the BBTP lipid solution that covers the granule also acting as a glue for P-tech®.

Composition

Total Nitrogen (N)	**3,0 %**
Ammoniacal Nitrogen (N)	**3,0 %**
Total Phosphorus pentoxide (P_2O_5)	**24,0 %**
Total Calcium oxide (CaO)	**16,0 %**
Total Sulphur trioxide (SO_3)	**16,0 %**

Enriched with P-tech, RyZea, Bbtp and Bpc, exclusive Agriges production technology.

Doses and instructions for use

CROPS	Soil application
TREE	Upon vegetative resumption (700-800 kg/ha) and after harvesting (200-400 kg/ha)
HORTICULTURAL	In the pre-transplanting/sowing phase and under cover
INDUSTRIAL	Sowing (300 kg/ha localized) and during the growth (600 kg/ha)
CEREALS	Sowing (200-300 kg/ha)

The aforementioned doses have a purely indicative value and can therefore vary in relation to the soil and climate features of each area, as well as to the density of planting and to the crop type. They must also be included in the fertilisation plan as a whole.

WARNINGS

Store at a temperature between 10° C and 30° C. Keep in the original container in a cool, dry place, away from excess heat. Do not exceed the appropriate doses.

Formulation
Granular

Diameter
1,5 - 4,5 mm

Soil application

Exclusive Agriges production technology

Growth Promoting Bacteria

Exclusive Agriges production technology

The innovative Agriges process for granules coating