



HORUS AGRO

BOOST YOUR FIELD



INNOVATION



PRODUCTIVITY



TRUST



SUSTENTABILITY

HORUS AGRO

Boost your field

Genetics and Microbiology



Microorganisms

Allies of Agriculture

Soil - Plant - Microorganisms interaction

■ Soil management

■ Structure

■ Organic matter

■ Chemical characteristics

■ Stability

■ Plant quality

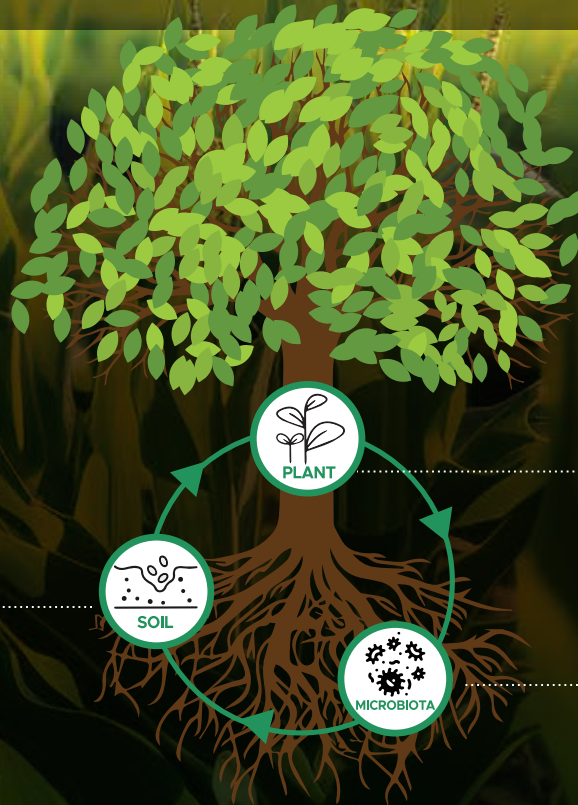
■ Health status

■ Developmental stage

■ Beneficial organisms

■ Pathogenic organisms

■ Balance between both



HORUS AGRO

WE ARE HORUS

Horus combines cutting-edge seed genetics with innovative microbiological technology, offering our customers a superior integrated value proposition.

We employ a versatile technical and commercial approach, constantly evaluating the performance of our seeds and biological products across diverse agronomic systems, all underpinned by rigorous quality control and R&D processes.

Our technological solutions encourage the adoption of more sustainable agronomic strategies.



BOOST YOUR FIELD

BIG DIVISION

SEEDS DIVISION



Manufacturing



Current Presence

LATAM countries

Argentina
Paraguay
Uruguay



New projects

Brazil



HORUS IN THE WORLD



We are continuously pursuing a global expansion strategy, investing in the internationalization of our technologies.

We research, evaluate, and develop new markets within a global landscape characterized by high demand for innovation and quality.

Our exclusive microbiological technologies deliver excellent results by optimizing nitrogen fertilization -reducing losses due to volatilization and leaching- and enhancing resistance to abiotic stress. This leads to improvements in quality and crop health, ultimately resulting in increased crop yields.



Current Presence

EUROPEAN Countries

Spain	Italy
France	Austria
Belgium	Netherlands
Germany	Slovenia



HORUS

BIOTECHNOLOGIES

HORUS
BIO

+ TECHSEALAB

MICROBIOLOGICAL
TECHNOLOGY



MARINE
BIOTECHNOLOGY



**Biostimulants
composed of pools
of live beneficial
microorganisms and
the most exclusive
seaweed extracts,
unique from the
region of Bretagne.**



www.horusbiotechnologies.eu



HORUS AGRO

BOOST YOUR FIELD

HORUS AGRO

BIO DIVISION

Offering the most advanced, complete, and efficient portfolio of premium biological products on the market.

Our activities include the research, development, manufacturing, and commercialization of biostimulants, biological control agents, and related products formulated with beneficial live microorganisms and seaweed extracts.

This value proposition is complemented by comprehensive solutions for seed treatment, micronutrient fertilization, and an exclusive line of adjuvants designed to ensure excellence in the application of crop protection products.

HO LeafBAC
FOLIAR BIOSTIMULANT

HO Fungus
BIOFUNGICIDES

HO Phyllum
BIOSTIMULANT

HO Zn - B
MICROELEMENTS

HO SeedBAC
STARTER

HO Wet
ADJUVANTS

HO Tantum
INOCULANTS

HO DynSO₄
HERBICIDE ENHANCER

SEEDS DIVISION

Specialized in the development, production, and commercialization of maize, soybean, wheat, and rapeseed germplasm.

Our portfolio features high-yield-potential products designed to provide innovative and profitable solutions to agricultural producers through our commercial network.

HO Corn

HO 12123 IF3
HO 12118 IF3
HO 52133 IF3

HO Soybean

BIO 3.22 STS	HO 5910
E 3.82	HO 59136 IPRO *
BIO 4.12 STS	BIOCERES 5.92
BIOCERES 4.52	BIO 6.11 SCE
E 4.53 SE	BIO 6.81 CE
HO 47147 STS	HO 68128 STS
BIOCERES 4.82	HO 74134 IPRO STS *
HO 50135 STS	

HO Wheat

LAUREL	ARCE
BIOINTA 1006	HO Caranday
ARAZÁ	GINGKO

HO Rape

HO Yellow Sea

* Variety subject to extended royalty.



LINE OF
Foliar microbiological
biostimulants

HO | **LeafBAC**
FOLIAR BIOSTIMULANT

Additional Options:
HO | **Zinc** MICROELEMENTS **HO** | **Boron** MICROELEMENTS
HO | **FungusBAC BS**
BIOLOGICAL FUNGICIDE

LINE OF
Stimulants based on algae
extracts biostimulants

HO | **Phyllum**
BIOSTIMULANT

LINE OF
Inoculants

HO | **SeedBAC**
STARTER
+
HO | **Tantum**
INOCULANTS

Biological options:

HO | **FungusBAC BS**
BIOLOGICAL FUNGICIDE

Optional chemicals:

CARBENDAZIM
+ THIRAM 25%

METALAXIL
35%

DIFENOCONAZOLE
9.2%
METALAXIL
4.6%

IMIDACLOPRID
60%

LINE OF
Fungicides

HO | **FungusBAC BS**
BIOLOGICAL FUNGICIDE

HO | **Fungus C+T**
FUNGICIDE

CARBENDAZIM + THIRAM 25%

LINE OF
Microelements

HO | **Zinc**
MICROELEMENTS

HO | **Boron**
MICROELEMENTS

LINE OF
Adjuvants

HO | **WetQUALIS**
ADJUVANTS

HO | **WetHARD**
SEQUESTERING AGENT

HO | **WetMIX**
COMPATIBILIZER

HO | **WetOIL M.E.**
EXTREME PERFORMANCE

OTHER
Adjuvants

HO | **DynSO₄**
HERBICIDE ENHANCER

Foliar TREATMENTS

HO LeafBAC

FOLIAR BIOSTIMULANT



A liquid foliar biostimulant formulated with pools of live beneficial microorganisms that directly and indirectly provide for and improve crop nutrition, quality, and health.

COMPOSITION:

Total mesophilic aerobic bacteria.....	3.6×10^6
Mushroom and yeasts.....	1.0×10^2
Cellulolytic organisms.....	4.5×10^4
Ammonifying organisms.....	4.0×10^5
Nitrifying organisms.....	2.8×10^4



ADDITIONAL OPTIONS HO LEAFBAC

• Biological Fungicide

HO FungusBAC BS

BIOLOGICAL FUNGICIDE



• Microelements

HO Zinc

MICROELEMENTS



HO Boron

MICROELEMENTS



Foliar TREATMENTS

HO LeafBAC

FOLIAR BIOSTIMULANT

Our exclusive microbiological technology -applicable across all crop types- delivers excellent results. It optimizes nitrogen fertilization by reducing losses due to volatilization and leaching; furthermore, it builds greater resistance to abiotic stress, improving quality and plant health, and ultimately increasing crop yields.



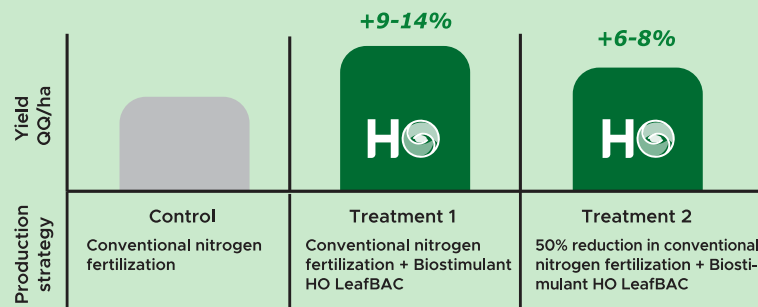
Boosts yield through various mechanisms of action involved in biofertilization and biosimulation.

Enhances the bioavailability of micro and macronutrients within the plant, optimizing fertilization and ensuring a positive nutrient balance during periods of peak crop demand.

Supplies hormones and growth factors derived from microbial metabolic processes.

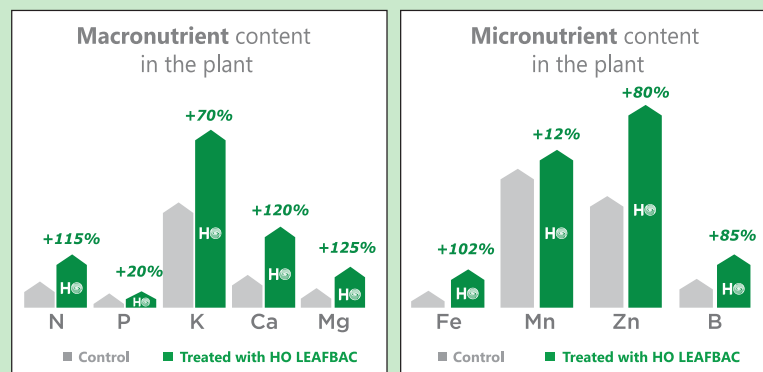
Exerts a fungistatic effect, inhibiting the spread of pathogens on the leaves.

Increased yield and improved efficiency of nitrogen fertilization (*)



(*) General average for extensive crops in Argentina.

Increased macro and micro element content in the plant



HO Phyllum

BIOSTIMULANT

A premium biostimulant based on seaweed extracts (Ascophyllum nodosum), designed to boost crop yield and improve tolerance to abiotic stress.

It achieves a superior and more efficient physiological response due to its high content of bioactive compounds.

Agronomic benefits

- Higher **yield**
- Improved harvest **quality**
- Greater **resistance** to biotic and abiotic factors



Content:
10 L container.

Our key advantages

- Higher concentration of **bioactives** per liter applied.
- Lower effective **dosage** compared to conventional products.
- High **cost-benefit ratio**.

Maximum purity.
Maximum bioactivity.
Maximum response.



Seeds TREATMENTS

HO Tantum

INOCULANTS

*A premium line of inoculants combining specific strains of **Bradyrhizobium japonicum** and **Azospirillum** with **HO-SeedBAC** -a biological starter based on a consortium of live, beneficial microorganisms.*

These products promote growth, facilitate the emergence process, and stimulate root development.

*To complement disease control, options include purely biological solutions (such as a pure strain of **Bacillus subtilis**) and chemical fungicides based on Carbendazim/Thiram (25%), Metalaxyl (35%), and Difenconazole (9.2%) + Metalaxyl (4.6%).*

Exclusive

HO SeedBAC

STARTER



A unique biostimulant for direct seed application that promotes rooting and growth, developed using microbial consortia.

-Significantly **boosts** germination energy at the start of the crop cycle, breaking apical dominance to foster a denser, more developed, and efficient root system.

-**Biosolubilizes** macro and micronutrients, making them available to the plant during periods of peak demand.

- **Acts** on the roots as a defensive barrier against pathogens by competing for physical space and root exudates, thereby partially limiting disease invasion.

COMBINATIONS

HO Tantum

INOCULANTS

» Soja

» AZP



HO FungusBAC BS

BIOLOGICAL FUNGICIDE



HO Fungus C+T

FUNGICIDE

CARBENDAZIM + THIRAM 25%



METALAXIL
35%

DIFENOCONAZOLE
0.2%
METALAXIL
4.6%

IMIDACLOPRID
60%

Product options

Crops

Starter

*Specific
Strain*

*Optional biological
Seed Treatment*

*Optional Seed
Treatment*

HO TantumNOD Soybean
INOCULANTS



HO SeedBAC
STARTER
5 liters

+ **BJ**
Bradyrhizobium
japonicum
6 liters

Includes pre-
inoculation protector
HO COVER
PROTECTOR

+ **HO FungusBAC BS**
BIOLOGICAL FUNGICIDE
2 liters

+ **HO Fungus C+T**
FUNGICIDE
CARBENDAZIM + THIRAM 25%
3,6 liters

METALAXIL
35%
0,75 liters



HO SeedBAC
STARTER
5 liters

+ **AZP**
Azospirillum
brasiliense
4 liters

+ **HO FungusBAC BS**
BIOLOGICAL FUNGICIDE
2 liters

+ **HO Fungus C+T**
FUNGICIDE
CARBENDAZIM + THIRAM 25%
3 liters

IMDACLOPRID
60%
2 liters

DIFENOCONAZOLE
5,2%
METALAXIL
4,6%
5 liters

HO Tantum AZP
INOCULANTS



HO SeedBAC
STARTER
5 liters

+ **AZP**
Azospirillum
brasiliense
4 liters

+ **HO FungusBAC BS**
BIOLOGICAL FUNGICIDE
2 liters



HO SeedBAC
STARTER
5 liters

+ **AZP**
Azospirillum
brasiliense
4 liters

+ **HO FungusBAC BS**
BIOLOGICAL FUNGICIDE
2 liters



HO SeedBAC
STARTER
5 liters

+ **AZP**
Azospirillum
brasiliense
4 liters

+ **HO FungusBAC BS**
BIOLOGICAL FUNGICIDE
2 liters

+ **CARBENDAZIM**
+ THIRAM 25%
3 liters

Biological fungicide

HO FungusBAC BS

BIOLOGICAL FUNGICIDE

A biofungicide with antagonistic biological activity against phyto-pathogenic fungi.

Its application poses no toxicity risks, offering an effective alternative for pathogen management through biological control.

It prevents disease establishment by creating an inhibition zone on

the surface, stopping pathogen attacks through competition for nutrients and space. It is capable of producing antibiotic metabolites and inducing tolerance by activating plant defense genes.

It can be used in combination with the **HO-Tantum** inoculant line for seed treatment and **HO-LeafBAC** biostimulants for foliar application.



Content: 2 L.
Dosage: Refer to guidelines based on application method and crop.

Other fungicides



METALAXIL
35%

DIFENOCONAZOLE
9,2%
METALAXIL
4,6%

Contents: 20 L.
4 x 5 L containers.
Dose: Refer to guidelines based on application type and crop.

HO Fungus C+T

FUNGICIDE

CARBENDAZIM + THIRAM 25%

Liquid treatment for direct application to seeds, designed to control fungal diseases.

Contains the contact fungicide Thiram combined with the systemic fungicide Carbendazim, controlling fungal diseases that attack the seed from the time of sowing through the post-germination stage.

Water TREATMENTS

HO Wet
PREMIUM ADJUVANTS

The most **advanced technology**
to achieve **excellence**
in your **applications**

→ **HO WetQUALIS**
ADJUVANTS

+

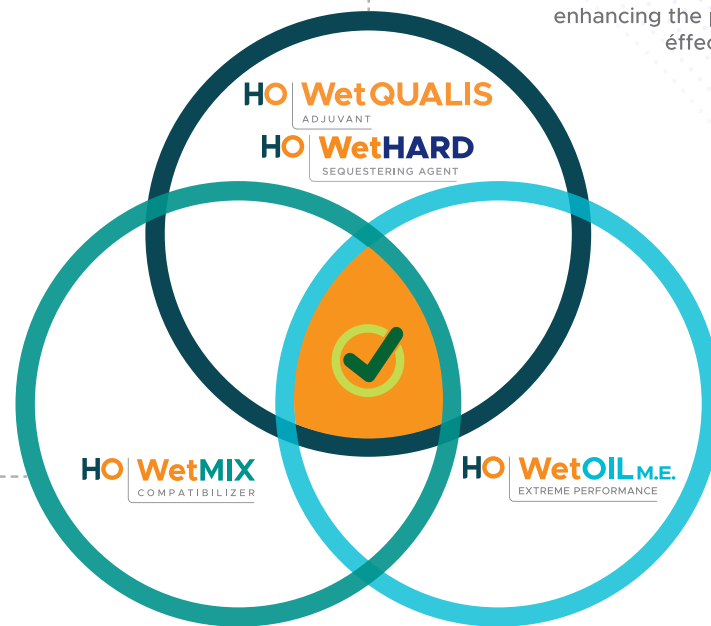
→ **HO WetHARD**
SEQUESTERING AGENT

+

→ **HO WetMIX**
COMPATIBILIZER

+

→ **HO WetOIL M.E.**
EXTREME PERFORMANCE



● **Conditions application water,**
enhancing the product's effectiveness.

● **Makes mixtures compatible,**
allowing the use of multiple products simultaneously.

● **Ensures your application,**
regardless of extreme environmental conditions.

Excellence and proven effectiveness

- ✓ **Optimizes** product performance.
- ✓ **Allows** for the maximum amount of products per batch.
- ✓ **Streamlines** target reach.
- ✓ **Eliminates** risk from extreme environmental conditions.
- ✓ **Increases** application autonomy.
- ✓ **Reduces** operating costs.

HO WetQUALIS

ADJUVANTS

BIODEGRADABLE



Content: 15 x 1 L bottles.
Dosage: 30–50 cc/ha.
Ultra-low dosage.

A liquid, multi-purpose, ultra-low-dosage adjuvant -free from nonylphenol- specially formulated to enhance the efficiency of crop protection treatments. It corrects water hardness (up to 600 ppm/cm³) and pH, reduces foam formation to prevent spill losses, and lowers surface tension, thereby increasing the contact area and wetting effect of spray droplets. Powerful drift reduction properties.

- ***Nonylphenol-free adjuvant***
- ***Water conditioner***
- ***Cation sequestering agent***
(up to 600 ppm/cm³)
- ***Adherent/Sticker***
- ***Wetting agent***
- ***Color indicator***
- ***Pesticide enhancer***

HO WetHARD

SEQUESTERING AGENT



Content: 6 bottles (1 L each).
Dosage: 50 to 150 ml / 100 L.

A high-efficiency adjuvant, water conditioner, and cation sequestering agent, specially formulated to optimize the quality of water used in phytosanitary applications. It sequesters cations present in hard water (Ca, Mg, and Fe) up to 800 ppm/cm³, enhancing the efficacy of applied products. It acts as a pH adjuster, regulating levels between 5 and 6.5 without over-acidifying the mixture or causing incompatibilities. It prevents the pH from dropping below 5, ensuring greater stability and safety in mixtures. It optimizes the control power of applications, promoting greater treatment efficiency and performance.

- ***Water hardness and pH adjuster***
- ***High-efficiency cationic sequestering agent***
- ***Pesticide efficacy enhancer***
- ***Powerful sticking agent***
- ***Biodegradable and nonylphenol-free product***

HO WetMIX

COMPATIBILIZER



Content: 2 drums (5 L each).

Dosage: 200 cc/ha for prevention of mixture separation; 400 cc/ha for recovery of separated mixtures.

Highly biodegradable adjuvant agent. It acts as a compatibilizer for tank mixes, promoting the formation of stable solutions and enabling the recovery of separated mixtures. It reduces the surface tension of the spray solution, forming fine droplets that improve leaf wetting and rapidly produce uniform coverage across the leaf surface.

Its inert ingredients include silicone-based components that promote penetration and absorption, thereby increasing the efficiency of the pesticides being applied.

- **Enables stable mixtures**
- **Recovers separated mixtures**
- **Acts on the physical properties of the mixture without affecting active ingredients**
- **Reduces the risk of scaling/encrustation**
- **Prevents clogging of nozzles, filters, and lines**
- **Improves application efficiency**

HO WetOIL M.E.

EXTREME PERFORMANCE



Content: 2 drums (5 L each).

Dosage: 250 cc/ha.

A micro-emulsifiable silicone-based oil developed for use in mixtures with herbicides, insecticides, fungicides, foliar fertilizers, and plant growth regulators. Its plant-derived active ingredient reduces drift and optimizes adhesion, achieving total coverage on plants and pests. HO-WetOIL ME lowers surface tension, ensuring proper wetting by creating a fine, uniform film that facilitates excellent penetration of the agrochemical. It contains silicone components that promote penetration and absorption, thereby increasing the efficiency of the pesticides being sprayed.

- **Anti-evaporant and wetting agent**
- **Reduces drift**
- **Improves distribution; increases droplet count per cm³**
- **Improves cuticular penetration**
- **Prevents stratification in the spray mixture**
- **Reduces foam formation**
- **Micro-emulsifiable product**

ADJUVANTS

HO DynSO₄

HERBICIDE ENHANCER



HO-DynSO is a herbicide enhancer and adjuvant.

The high quality of the solid ammonium sulfate, combined with **HO-WetHARD**, ensures efficient herbicide application and prevents weed regrowth. Its carrier effect allows crop protection products to reach their sites of action more quickly.

Suggested dosage:
1 box per 3.000
liters of spray solution.



KEY BENEFITS



ACTIVATES, BOOSTS, and ACTS as a herbicide carrier.



IMPROVES absorption conditions and the performance of crop protection products.



POWERFUL cation sequestering agent (up to 800 ppm/cm³).



REGULATES pH within an optimal range without over-acidifying the solution.

Microbiological technology + Genetics =

Higher yield

The transition
toward **sustainable**
agriculture
is necessary
and inevitable.



Chemical
strategy



**Chemical-
biological**
strategy



Biological
strategy

HORUS AGRO





HORUS AGRO

BOOST YOUR FIELD



ARGENTINA

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