Biostimulant Range Overview

Timac AGRO
United Kingdom
Timac Agro have two specific ranges of products:

- **FERTIACTYL®**
  - Establishment

- **FERTILEADER®**
  - Vegetative growth
  - Finishing
FERTIACTYL®
For application in early stage of crop establishment
FERTIACTYL biostimulant is an exclusively patented product containing FERTIACTYL complex, N° 945000107 which is based on seaweed extracts and organic acids that promote root development and crop establishment.

FERTILEADER®
For application during the main vegetative growth stages of the crop
FERTILEADER biostimulants contain specific seaweed extracts and are formulated and patented as the SEACTIV complex N°EP98400150.3. FERTILEADER products also provide a range of mineral nutrients to promote the overall nutritional balance within the growing crop.

Benefits of applying FERTICATYL® and FERTILEADER® as part of a Crop Husbandry Programme:
• Increases root establishment and development
• Higher water and nutrient uptake, transport and movement within the crop
• Enhances photosynthesis capacity giving more energy to grow
• Increases resistance to stresses and reduces the negative impacts of weather or chemical sprays
• Enhances the overall nutrient programme for the crop
### Timac Agro Biostimulant Product Range

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<tr>
<th>Product Name</th>
<th>N%</th>
<th>P (P₂O₅)</th>
<th>K (K₂O)</th>
<th>Mg (MgO)</th>
<th>Ca (CaO)</th>
<th>Mn</th>
<th>B</th>
<th>Zn</th>
<th>Cu</th>
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FERTIACTYL®
Primarily used at the emergence of many combinable and forage crops. Particularly suitable for: Potatoes, maize, transplanted vegetables, oilseed rape, and cereals
• Encourages good early crop establishment and root development of sown crops
• More intense, longer photosynthesis which allows better nutrient efficiency
• Increased resistance and nutrient uptake in periods of plant stress
• Helps to overcome environmental stresses
• Increased rooting, actively promotes uptake and transport of minerals by increasing root mass
• Protects nutrients from loss in blocking or leaching soils and releases nutrients from the soil

Liquid Root Biostimulant
**FERTILEADER® Range**

Fertileader products contain a seaweed-based compound with added mineral elements which:

- Increases plant resilience to stress caused by weather and pesticide applications
- Gives more effective uptake of nutrients
- Increases photosynthesis and overall plant growth to encourage yield and quality
- Supplies a range of trace elements

**FERTILEADER® Vital**
NPK solution with micro-nutrients
- A general purpose foliar biostimulant formulated for use in many crops including potatoes, cereals, root veg, leafy veg and maize.

**FERTILEADER® Magnum**
Nitrogen and Magnesium solution
- A foliar biostimulant for use in grasslands, turf, amenity grass, potatoes and viticulture.

**FERTILEADER® Magical**
Calcium chloride solution
- A foliar biostimulant formulation for crops requiring some supplementary magnesium and calcium, in particular cereals, potatoes, carrots/parsnips, leafy veg, maize and apples.

**FERTILEADER® Kaleo**
NPK solution with micro-nutrients
- A general purpose foliar biostimulant for use in potatoes, salads and horticultural cropping.

**FERTILEADER® Gold**
Fluid mixture of boron and molybdenum micro-nutrients
- A general purpose foliar biostimulant formulated for use in many crops including oilseed rape, beets, brassicas, potatoes and cereals.
Cereals

APPLICATION

• Apply 3L/ha of FERTIACTYL Starter at 3-4 leaf stage and/or, at T0 – T1
• For Malting barley - apply FERTILEADER Vital at a rate of 3L/ha T0-T1 Stage (at end of tillering / start of stem extension) and/or,
• For Cereals - apply FERTILEADER Vital at a rate of 3L/ha at T2 stage (Flag Leaf Stage) Or at GS75 to increase grain protein

Disclaimer: Check compatibility with other sprays using Pre-mixing Bucket Test

BENEFITS

• Increased plant tillering.
• Improved root mass for nutrient uptake.
• Increased movement of nutrient throughout the plant.
• Reduced crop stresses due to weather and chemical sprays.
• Improves the uniformity and strength of tillers.
• Increased yield and quality.
Potatoes

APPLICATION
- FERTIACTYL Starter applied at a rate of 8L/Ha at 80 - 100% emergence.
- FERTIACTYL Starter and FERTILEADER applied in combination to encourage increased tuber numbers on processing crops.
- FERTILEADER applied at a rate of 8L/Ha, 2L/Ha every 14 days following previous application.

BENEFITS
- The application of a biostimulant programme resulted in marketable potato (45–80mm) yields increasing by an average of 21% across 9 different farms. The average yield increase was 3.7 tons per acre.
**Oilseed Rape**

**APPLICATION**
- Apply 3L/ha FERTIACTYL Starter at 2-4 Leaf Stage
- Or Apply 3L/ha FERTILEADER Gold at 4-6 Leaf Stage or 3L/ha FERTILEADER Gold at Green Bud

Using Fertileader Gold increased Oil Seed Rape by 8%

**FERTIACTYL STARTER BENEFITS**
- Stimulates plant tap root development.
- Increased plant nutrient uptake.
- Increased nutrient reserves.
- Promotes higher sugar concentration after winter for plant Photosynthesis.

**Disclaimer:** Check compatibility with other sprays using Pre-mixing Bucket Test

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<td>3.21</td>
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**APPLICATION**
- Apply 5L/ha FERTIACTYL Starter at 4-6 Leaf Stage
- And / Or apply 5L/ha FERTILEADER Gold at 6-8 Leaf Stage
- Can be applied with Herbicide.

**FERTIACTYL STARTER BENEFITS**
- Reduces stresses due to weather or chemicals.
- Promotes root development.
- Improve nutrient uptakes.
- Promotes more uniform beet size.

**FERTILEADER GOLD OR SILVER BENEFITS**
- Reduce Herbicide stresses to growing crop.
- Source of Boron to reduce heart rot.
- Keeps growth development in periods of drought or wet weather.

*Disclaimer: Check compatibility with other sprays using Pre-mixing Bucket Test*
**Strawberries**

**APPLICATION**
- 3-5L/Ha FERTIACTYL Starter at planting to boost root development and reduce plant stress
- 4L/ha Fertileader Magical, starting fruit maturation (after fruiting).

**BENEFITS**
- Stimulates the production of sugars.
- Reinforces plant photosynthesis.
- Reduces risk of bruising.
- Increase strawberry yield by 8%.

Disclaimer: Check compatibility with other sprays using Pre-mixing Bucket Test.
FERTILEADER RANGE BENEFITS

- Use FERTILEADER Biostimulants on apple trees to help overcome stress related 'stoppages' to any stage of growth and development.
- FERTILEADER also aids plant activity increasing sugar production and general plant energy for growth and development.
- Senescence of leaves is also delayed allowing for greater capacity for fruit filling impacting on final apple size and yield.
- Mineral uptake and transport in the plant is increased.
- Product choices are Fertileader Vital and Magical.

NB. They should not be used in place of foliar feed mineral sprays, but can be used together with them.

Disclaimer: Check compatibility with other sprays using Pre-mixing Bucket Test
Turf & Amenity Grass

Growing Season - 5L/ha of FERTIACTYL Starter and 5L/ha of FERTILEADER Magnum, mixed together

APPLICATION PROGRAMME
• Apply 5L/ha Ferticatyl Starter plus, 5l/ha FERTILEADER Magnum.
• Apply every 4-6 weeks during growing season.
• Can be applied with chemical sprays.

TARGET AREAS
• Golf Courses.
• Turf Growers Pitches.

BENEFITS
• Increase root development.
• Reduce grass stresses.
• Promote greening.
• Increase nutrient uptake.
• Reduced sod pull.

Disclaimer: Check compatibility with other sprays using Pre-mixing Bucket Test
Grassland

Growing Season - Apply 4-5L/ha of FERTILEADER Magnum with or without a Herbicide

Silage Situation - Apply 4 - 5L/ha of FERTILEADER Magnum 3-5 weeks before cutting. May be applied on its own or with a Herbicide application

RESULT
The application of FERTILEADER Magnum to grass silage increased crude protein content by 32 g per kg of DM and grass silage yield by 0.22t DM/ha.

FERTILEADER RANGE BENEFITS
- Increased grass sugars.
- Improved grass yield and quality.
- Reduced stress caused by herbicide.
- Increased plant activity for nutrient use.
- Improve palatability.

Disclaimer: Check compatibility with other sprays using Pre-mixing Bucket Test
Think different...
Farm better

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