

PRODUCT CATALOGUE



eCoCulture
Stress Specialists



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EcoCulture products are used in all crop types around the world...



ECOCULTURE BREAKING RECORDS

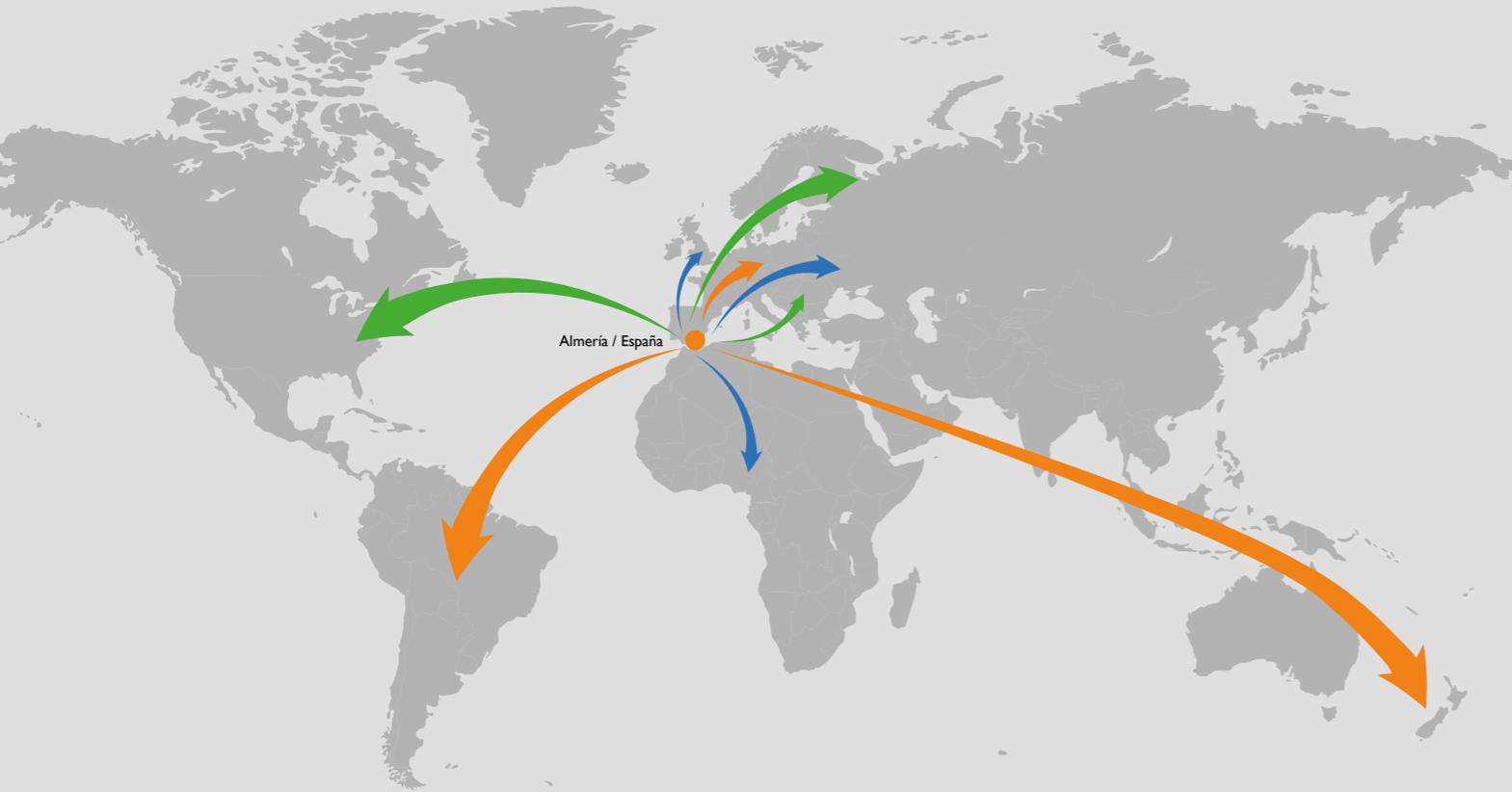
EcoCulture is an Anglo-Spanish company with a strong multinational presence.

We are improving the agricultural and horticultural sector, extending our successful crop programmes throughout the world.

With implementation of our crop programmes, the farmer and grower benefit from the latest technology developed by EcoCulture, achieving extraordinary improvements in both quality and yield.

Proof of this are the various world and UK records that farmer Tim Lamyman has collected by using the EcoCulture product range.





ECOCULTURE PROMISE

EcoCulture Biosciences develops solutions to plant stress, improving food quality, increasing yield and reducing crop wastage.

Our products are highly effective, allowing reduction in the total amount of nutrients applied to crops, resulting in greater environmental benefits. In short, growing more with less.

Today, agricultural production worldwide is subject to a large number of factors which generate stress in plants, (drought, soil salinity, pests, diseases) that negatively impact on crop yield and quality. Our range of products, naturally help the response of plants through their own self-defence mechanisms to reduce the effects of stress.

EcoCulture is committed to the ideals of sustainable farming, by maximising the productive yield from crops whilst minimising artificial inputs;

ensuring the majority of the crop is grown to standards that customers demand and to ensure that the produce is in the best possible condition to pass through the food chain without being wasted.

For the consumer, the food is of the highest quality possible in nutritional terms, helping to improve their health, while reducing their environmental impact by preventing waste through spoilage.

Our promise is a more sustainable agriculture, based on innovation, scientific research and the development of new technologies in all the markets where we operate.



EcoCulture Network

EcoCulture has an expanding range of distributors who are selected for their expertise in local markets. Products can be purchased via these companies, details available on our website.

If you are not covered by this network of distributors, please contact us directly:
info@ecoculturebs.com

PRODUCTS



As specialists in plant physiology and abiotic stress, **EcoCulture** presents a product range focused on the combat of stress, improve crop growth and health, increase quality and minimise the amount of waste. We make our products to the highest quality standards to ensure the best performance at field level.



NHDelta

**Highly efficient amide
nitrogen fertiliser**

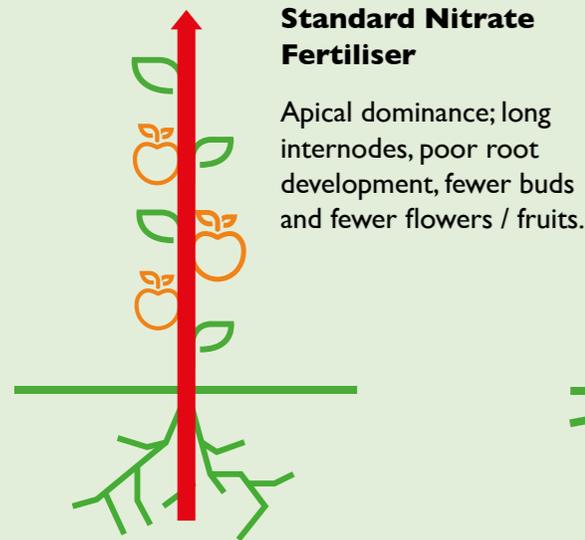
NHDelta

TECHNOLOGY ADVANTAGES

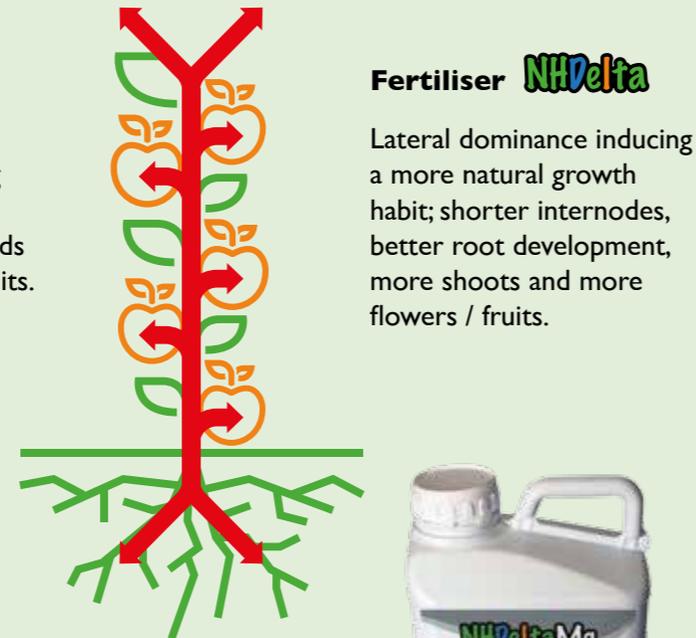
- ✓ Healthier growth from the start.
- ✓ Greater production with less nitrogen.
- ✓ Enhanced rooting.

How does NHDelta work

Apical Growth



Lateral Growth



Application and dose rate

NHDeltaCa, NHDeltaMg y NHDeltaK can be applied as a foliar spray or through irrigation / fertigation.

Dose rate for foliar application: 3-10 litres/ha in at least 200 litres of water.

Dose rate for irrigation applications: 3-10 litres/ha it is recommended to apply 2 to 4 times per crop cycle. In vegetables, apply every 10-15 days after planting.

For detailed information the use of NHDelta in a particular crop, please visit our website www.ecoculturebs.com



Pack sizes: 5, 10, 20, 200 and 1,000 litres.

NHDelta

NHDelta technology offers the most beneficial way of feeding plants their nitrogen requirements. By balancing the use of amide and nitrate forms of nitrogen, plants grow in a more natural way, with better root development, shorter internodes better flowering and improved fruit / seed production.



- ✓ Allows reduction in nitrogen applications.
- ✓ Less nitrates but more yield and better quality.
- ✓ Allows significant reduction of irrigation water.



NHDelta versions



NHDelta products are stabilised nitrogen with additional calcium, potassium or magnesium, which enhances crop quality, production, rooting and stress tolerance.

Ideal for arid and semi-arid areas, soils with high pH, saline soils with high levels of sodium or where quality of irrigation water is poor. Improves yield, quality and fruit homogeneity, extending the productive life of the crop, allowing reduction of conventional nitrogen applications.

NH Delta Technology stabilises amine nitrogen. Acting in this way, plants absorb the correct proportions of nitrogen to obtain optimum yield and quality, stimulating rooting processes and flower and fruit development, whilst reducing the excessive vegetative growth, often generated by conventional nitrogen products. The use of NHDelta allows the absorption of a form of N that is transformed directly into protein, decreasing the amount of energy and carbon required for this process.

NHDeltaCa

Formula:

Nitrogen solution with calcium and boron: 15% nitrogen (N) (10% ureic, 5% nitric), 6% calcium (Ca), 0,2% boron (B) w/w

NHDeltaCa provides calcium to roots, stems, leaves, flowers and fruits, improving plant quality and improves the absorption and distribution of calcium (even in calcareous soils).

NHDeltaCa helps to combat physiological problems in relation to stress as well as flower and fruit abortion.

NHDeltaCa has been developed for situations where an extra supply of calcium is necessary, such as poor soils with low calcium content, flowering and fruit set processes and moments where physiological disorders usually occur such as Blossom End Rot, Bitter Pit, Tip Burn, etc. It can be applied in situations of fruit filling where the application of nitrates will be counterproductive.





NHDeltaK

Formula:

Nitrogen solution with potassium: 15% nitrogen (N) (15% ureic), 7% potassium oxide (K_2O) w/w

NHDeltaK is designed for crops with supplemental potassium needs. Likewise, it can be applied in situations of fruit filling, where the application of nitrates can be counterproductive.

NHDeltaK allows the absorption of potassium without impairing the absorption of calcium and magnesium, which can help improve growth in saline soils.

NHDeltaK helps growth in drought conditions as it helps to develop a greater root system.



NHDeltaMg

Formula:

Nitrogen solution with magnesium: 15% nitrogen (ureic), 5% (MgO) w/w

NHDeltaMg strengthens the root system and improves quality, production and tolerance to stress. Its composition increases the yield of the crop improving the photosynthetic process when there are stress problems.

NHDeltaMg improves protein synthesis by increasing crop quality.

NHDeltaMg helps growth in drought conditions as it helps develop a greater root system.



XStress

Protect
your crop
against all
types of
stress



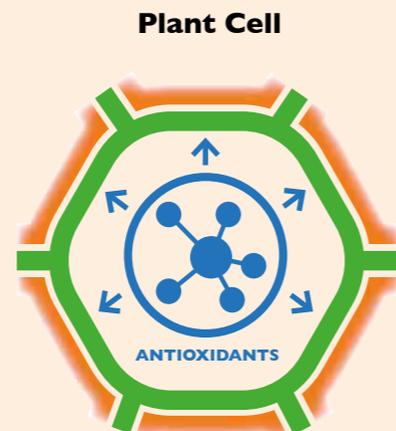
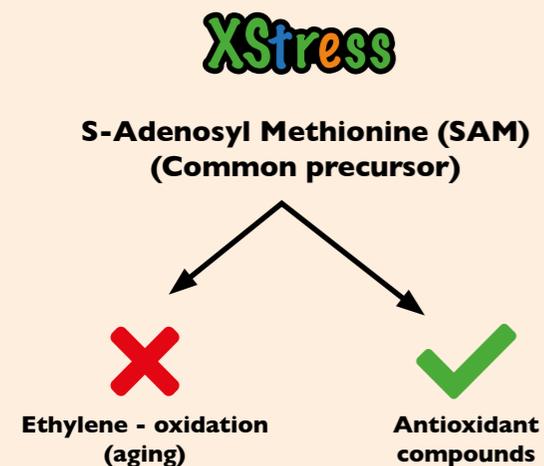
XStress

TECHNOLOGY ADVANTAGES

- ✔ Strengthens the integrity of the cells.
- ✔ Improves post-harvest quality in all kinds of fruit.
- ✔ Promotes the strengthening of the cell walls.
- ✔ Improves the natural defences of the plant.
- ✔ Neutralises the toxins generated in the cells during moments of stress.
- ✔ Powerful anti-stress product that provides resistance to all forms of environmental stress including excessive heat or cold, excessive light, drought or flood, high salinity.

How does XStress work

XStress increases the production of antioxidants opposing the production of ethylene, improving the response of the plant to situations of environmental stress.



Dose rate

XStress can be applied foliarly or in irrigation / fertigation.

Dose rate for foliar application: 1-2 litres / ha in a volume of at least 200 litres of water.

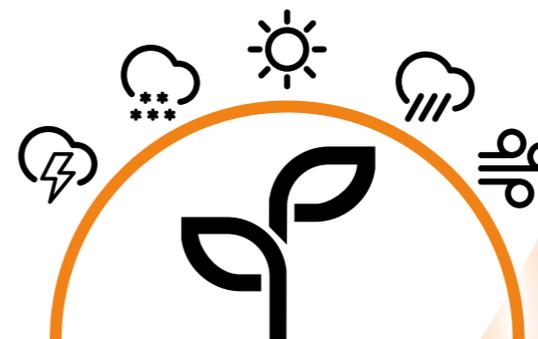
Dose rate for irrigation applications: 2-3 litres / ha every 15-20 days or dividing this dose into 2-3 applications with shorter intervals.

Pack sizes: 1 and 5 litres.



XStress

Formula: Microelement solution: 0.5% copper (Cu), 2% iron (Fe), 1% manganese (Mn), 2% zinc (Zn) complexed with glycine w/w



XStress uses the most advanced knowledge in nutritional technology to moderate the response of plants to environmental stress, resulting in a healthier and stronger plant with significantly higher yields than might be expected under these conditions.

Improves growth. XStress is a nutritional product developed to reduce the negative effects that result from environmental stressful situations. XStress contains a mixture of micronutrients, with a new system of formulation which gives an advantage to penetrate into the leaf stomata easily and without any effort. This technology is a powerful tool for combating abiotic stress which together with specially combined nutrients to improve the crop growth in extreme conditions such as high or low temperature, floods or droughts (water stress), high light conditions and high concentrations of salts.

Best Post-Harvest. XStress strengthens the cell walls and enhances the natural processes that neutralise the oxidative toxins that stress situations produce in the tissues of the plant. Its use significantly improves the useful life of the fruit after harvesting, increasing its value throughout the post-harvest period.



CalFlux

**Strengthens and improves
the quality of the fruit**

CalFlux TECHNOLOGY ADVANTAGES

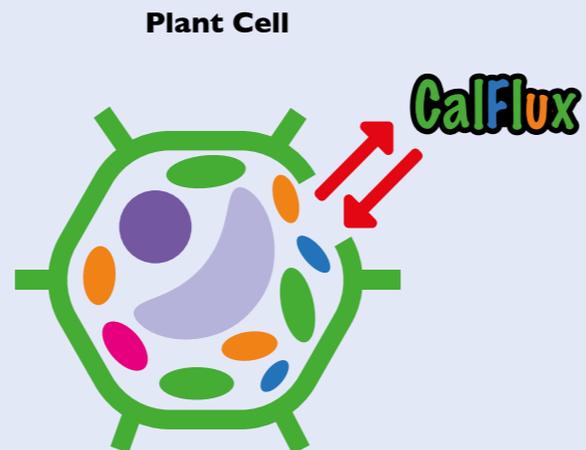
- ✓ Avoid physiological disorders.
- ✓ Improves growth under stress conditions.
- ✓ In combination with XStress improves the shape and uniformity of the produce.
- ✓ Greater number of flowers and improved fruit set.
- ✓ Increased firmness, quality and shelf-life of the fruit.
- ✓ Improves crop health by preventing disease infection.
- ✓ Innovative surfactant formulation, enhances calcium uptake and improves performance of tank mix products.

How does CalFlux work

Calcium normally requires endogenous auxins to activate the transport mechanism through the membrane and maintain growth.

The special formulation of **CalFlux** does not require auxins to cross the membrane providing calcium to the cellular structure.

Calcium continues to enter the cell even in situations of low auxin production under conditions of abiotic stress or poor growth.



Dose rates

CalFlux should be applied as a foliar spray, using a medium / fine droplet spectrum to ensure coverage of buds, flowers, fruitlets and fruit.

Dose rate for foliar application: 1-2 litres / ha in a minimum volume of 200 litres of water.

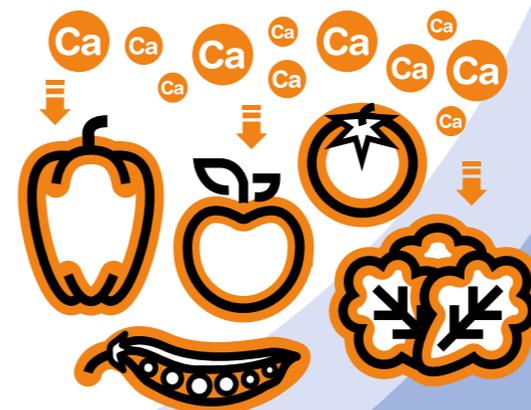
Pack sizes: 1 and 5 litres.



CalFlux

Formula: Zinc-based calcium fertiliser solution: 3% zinc (Zn), 5% calcium (Ca) w/w

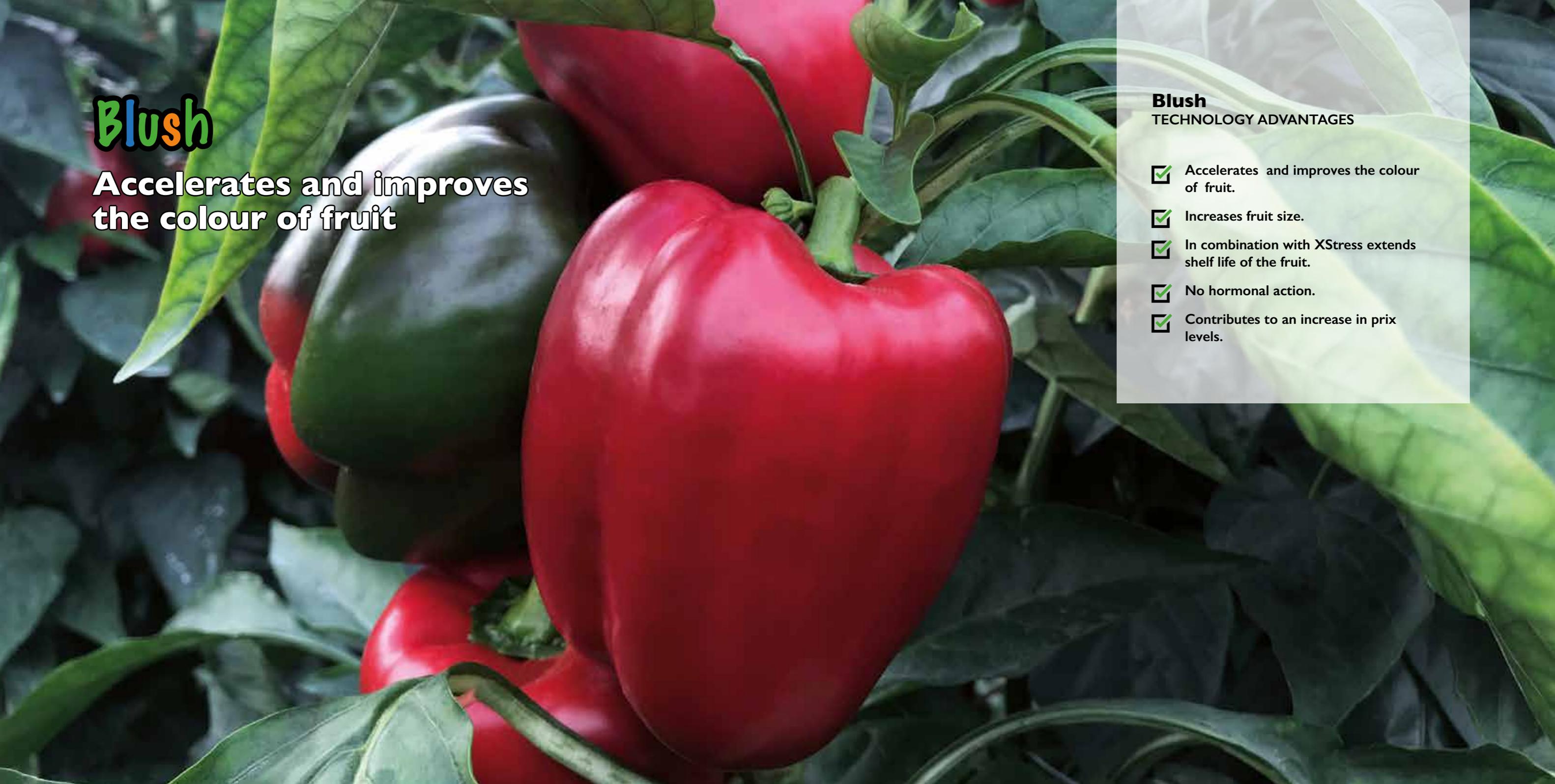
CalFlux uses the latest technology to actively introduce calcium into the structure of the cell wall, overcoming problems of poor distribution, reducing physiological problems caused by low levels of this element and increasing the ability of plants to withstand environmental stress.



Reduces damage due to dehydration of the fruit. CalFlux is a product that combines Zinc and Calcium in the same formulation. The synergistic action of both elements allows the plant to absorb and maintain the calcium levels in the areas that present symptoms of deficiency, particularly in the fruit, such as blossom end rot in tomato and pepper, tip burn in leafy crops bitter pit in apples, black tip in mango and avocado, as well as preventing flower and fruit abortion. CalFlux will also increase brix levels improving the flavour and sweetness of fruits.

Prevents cell wall collapse. CalFlux provides better structure in the cell wall, improves the size, quality, homogeneity and colour of the fruit. The combination of calcium and zinc helps the plant to use calcium more efficiently since zinc is an essential cofactor in the plant's growth processes. The product is highly efficient in situations where adverse environmental conditions such as extreme temperatures, can lead to loss of flowers and fruits.

Increased calcium absorption. The unique formulation of CalFlux offers great flexibility in its use and a major improvement in the response of the plant to the use of calcium compared to other fertiliser products.



Blush

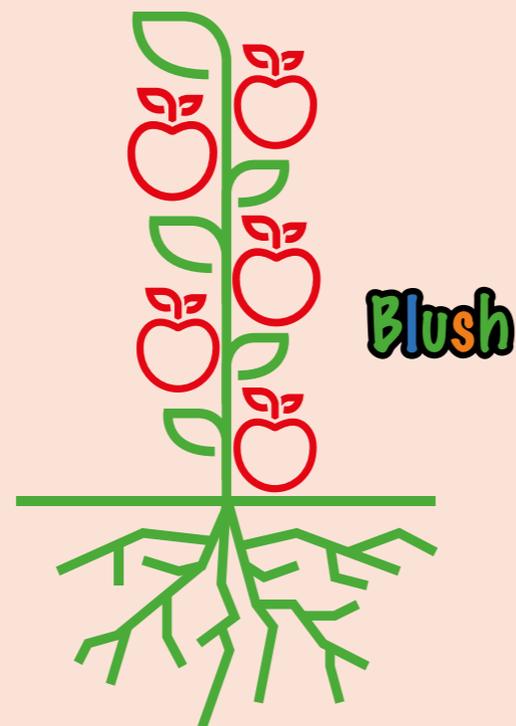
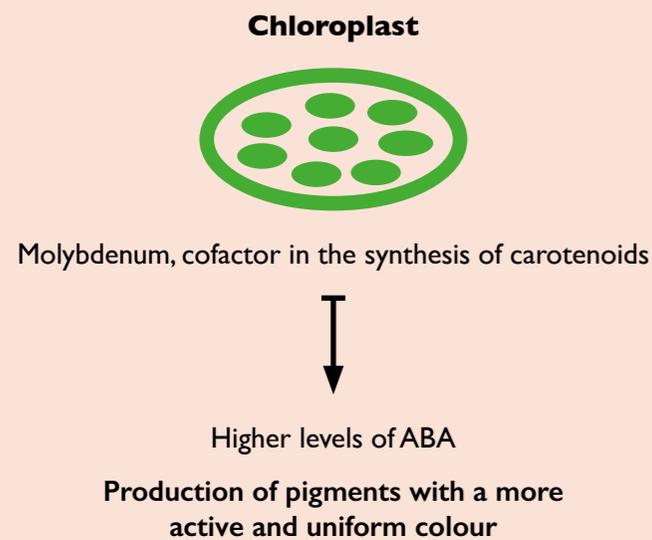
**Accelerates and improves
the colour of fruit**

Blush

TECHNOLOGY ADVANTAGES

- ✓ Accelerates and improves the colour of fruit.
- ✓ Increases fruit size.
- ✓ In combination with XStress extends shelf life of the fruit.
- ✓ No hormonal action.
- ✓ Contributes to an increase in price levels.

How does Blush work



Dose rate

Blush is a foliar applied product. Can be used alone or in tank mixture.

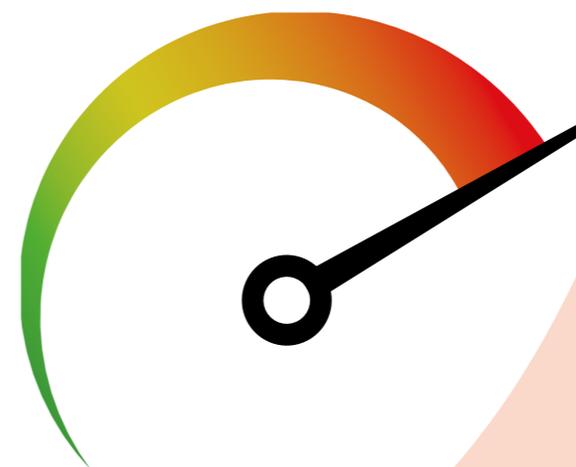
1.5 litres / Ha diluted in a volume between 200 to 1000 litres of water. Ensure thorough coverage of plant and fruit. Use a medium / fine droplet spectrum. Repeat application after 5 days depending on requirements.

Pack sizes: 1 and 5 litres.



Blush

Formula: Solution containing molybdenum and boron: 4% molybdenum (Mo), 0.5% boron (B) w/w



Blush is designed to improve and accelerate fruit colour and allow earlier harvest.

Blush is a fertiliser designed to improve maturation in fruits and vegetables, without effecting shelf life. It provides molybdenum and boron that the crop needs to mature in a highly efficient formula that improves colour by speeding up the formation of pigments. **Blush** also promotes the formation of sugars, improving sweetness of the fruit.

Blush quickly promotes the acquisition of a better and more uniform colour in the fruit, improving the overall appearance, and reducing time to picking. Particularly useful towards the end of season as fruits take longer to ripen.

Blush acts as a promotor in the synthesis of both carotenoid pigments and oxidase enzymes, which are precursors of abscisic acid (ABA) that promote maturation.

Blush also improves the formation of anthocyanin (colour pigments) bringing forward the date of harvest without altering the process of phenological development of the fruit without affecting post-harvest shelf life.

The logo for 'Rainbow Wave' features the word 'Rainbow' in a green, bubbly font and 'Wave' in a blue and orange bubbly font, both with black outlines. The background of the entire image is a close-up of several green avocados hanging from a branch with large green leaves.

Rainbow Wave

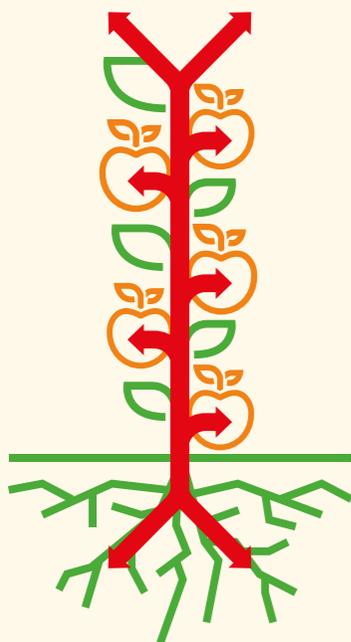
**Increases size
and brix levels**

Rainbow Wave TECHNOLOGY ADVANTAGES

- ✔ Rainbow Wave reduces excessive apical growth.
- ✔ Enhance lateral growth.
- ✔ Targets nutrients to the fruit, seed or tuber to increase their size.
- ✔ Increases the level of sugars in the fruit
Significantly reduces the problems of alternate bearing in fruit trees and bushes.

How does Rainbow Wave work

Lateral Growth



Rainbow Wave decreases apical dominance by inhibiting the growth of the apical buds. This induces a more natural growth habit; shorter internodes, better root development, more shoots, more flowers and fruits. Fruit will also be larger with a higher sugar content.

Dose rate

Rainbow Wave can be applied as a foliar spray or in irrigation / fertigation.

Dose rate for foliar application: 1-2 litres / ha in a water volume of at least 200 litres. Ensure thorough coverage of plant and fruit and use a medium / fine droplet spectrum.

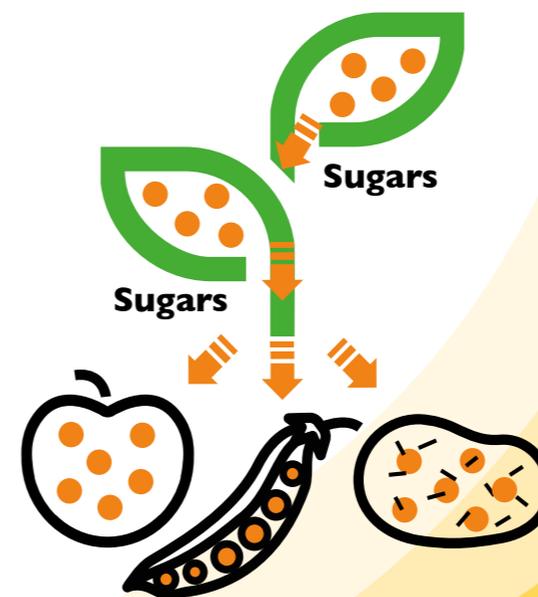
Dose rate for irrigation applications: 2-3 litres / ha every 15-20 days.

Pack sizes: 1 and 5 litres.



Rainbow Wave

Formula: Microelement solution: 9% boron (B), 0.1% molybdenum (Mo), w/w



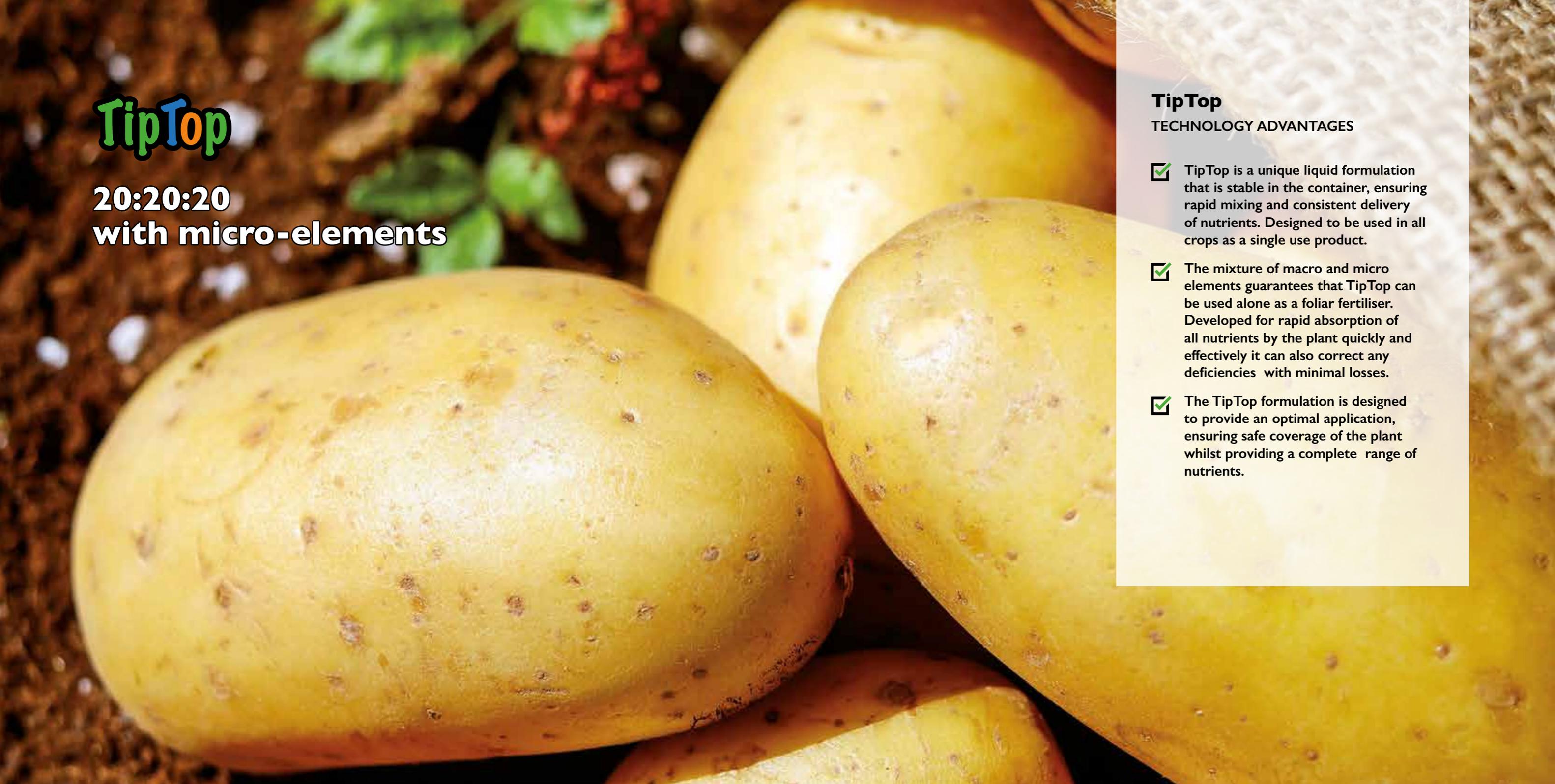
Rainbow Wave stimulates the distribution of nutrients to fruits, flowers and tubers.

Rainbow Wave is a product designed to switch nutrients distribution from excessive vegetative growth to the harvestable part of the crop.

Rainbow Wave also redistributes the energy resources and other photo-assimilates to the parts of the plant where they are really necessary, again increasing production and quality.

Rainbow Wave is also a highly effective boron fertiliser and should be used in all crops (such as brassicas, oil seed rape) that have a high requirement for this nutrient.

Can also be used in potatoes, carrots, beets to enhance leaf senescence and increase quality of produce prior to harvest desiccation or topping.



TipTop

**20:20:20
with micro-elements**

TipTop

TECHNOLOGY ADVANTAGES

- ✔ TipTop is a unique liquid formulation that is stable in the container, ensuring rapid mixing and consistent delivery of nutrients. Designed to be used in all crops as a single use product.
- ✔ The mixture of macro and micro elements guarantees that TipTop can be used alone as a foliar fertiliser. Developed for rapid absorption of all nutrients by the plant quickly and effectively it can also correct any deficiencies with minimal losses.
- ✔ The TipTop formulation is designed to provide an optimal application, ensuring safe coverage of the plant whilst providing a complete range of nutrients.



TipTop

Formula: NPK fertiliser suspension with micro-elements: nitrogen (N) 20%, phosphorus pentoxide (P_2O_5) 20%, potassium oxide (K_2O) 20%, magnesium oxide (MgO) 1.5%, boron (B) 0.032%, cobalt (Co) 0.001%, copper (Cu) 0.075%, iron (Fe) 0.242%, manganese (Mn) 0.075%, molybdenum (Mo) 0.001%, zinc (Zn) 0.075% w/v

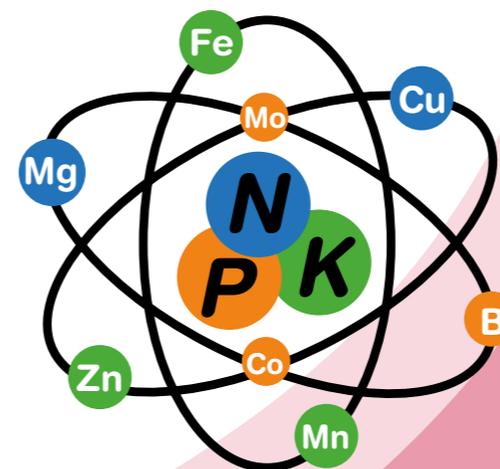


Dose rate

TipTop can be applied as a foliar spray. Use a medium droplet spectrum.

TipTop can be used at a dose of 2-5 litres / ha, depending on the nutritional requirements. Use in a minimum of 200 litres of water / ha.

Pack sizes: 1,5 and 10 litres.



Tip Top is a 20-20-20 fertiliser in the form of a super concentrated suspension with extra elements and micro-elements for foliar application.

TipTop can be used in a wide range of crops both in greenhouse and outdoors with different nutritional needs.



ZimaFlux

**Prevents and corrects
Zinc and Manganese
deficiencies**

ZimaFlux TECHNOLOGY ADVANTAGES

- ✔ Fast absorption of Zinc and Manganese due to its formulation technology.
- ✔ Recommended for all types of horticultural crops such as, strawberry, soft fruit, ornamentals and especially those crops very sensitive to this type of deficiency such as citrus and nectarines.
- ✔ It can be applied both as a foliar spray, which ensures a rapid assimilation of the micro-elements or via roots through any irrigation system.



Dose rate

Foliar application:

Citrus: 1-2 kg / ha in 500 to 1,000 litres of water. An application in spring and 2-3 applications after fruit set.

Fruit trees, vine and olive tree: 2-3 applications of 1-2 kg / ha each during the crop.

Horticultural, strawberry and ornamental: 2-3 applications of 1-2 kg / ha each during the crop.

Cereals: 1-2 kg / ha. 1 or 2 applications as necessary.

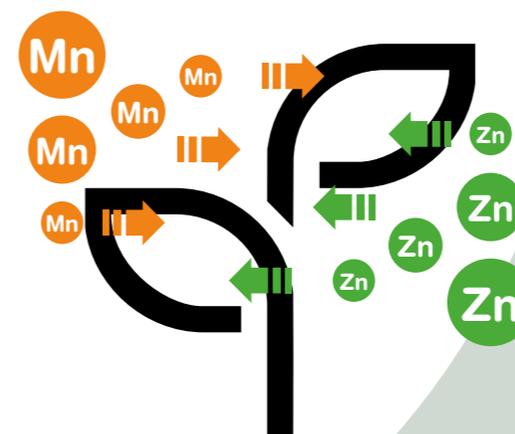
Application to the soil: From 2.5 to 10 kg / ha divided into 3-4 applications during crop cycle.

Pack size: : 5 kg.



ZimaFlux

Formula: Mixture of micronutrients: manganese (Mn) 14%, zinc (Zn) 16% w/w as water soluble powder



ZimaFlux is a dry formula based on zinc and manganese.

ZimaFlux is formulated using the special Eco-Culture technology with rapid action in the prevention and correction of deficiencies due to these micro-elements.

ZimaFlux improves growth and can help increase the level of sugars in the fruit.

HyperPonic

Designed for
hydroponic crops

Hyperponic TECHNOLOGY ADVANTAGES

- ✓ Very efficient in the prevention and treatment of micro-element deficiencies.
- ✓ Improved absorption at root level.



HyperPonic

Formula: NK fertiliser suspension with microelements: 9.8% nitrogen (1.1 nitric, 8.7 ureic), 14.2% potassium oxide (K_2O); 1.6% calcium oxide (CaO); 3.9% magnesium oxide (MgO); 5.8% sulfur oxide (SO_3); 0.01% boron (B); 0.01% copper (Cu); 0.001% cobalt (Co); 0.03% iron (Fe); 0.02% manganese (Mn); 0.001% molybdenum (Mo); 0.02% zinc (Zn); w/w



Dose rate

Application by irrigation: Applications of 2- 3 litres / ha every 7 days

Pack size: 5 litres.



HyperPonic is a special high-performance fertiliser designed for application via irrigation systems, and hydroponics. It combines nitrogen, potassium and a range of micro-elements that favour uptake without effort, minimising both the dose and the number of applications, helping to improve tolerance to root stress, quality and production. Hyperponic does not contain phosphorus in its formulation and this should be applied separately if required.

Suitable for greenhouse crops, and any vegetables, berries or fruit grown with irrigation.

The logo for eCoCulture features the word 'eCoCulture' in a playful, rounded font. The 'e' is green, 'Co' is blue, 'Cu' is orange, and 'lture' is green. All letters have a thick black outline.

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