Complesal® Active Start

Fruit

Vegetables

Corn/Cereals

Active

Description

Complesal® Active Start comprises a unique combination of amino acids, seaweed extract and micronutrients in form of suspension which make it suitable for a wide range of crops to exploit the full yield potential as yield is often limited by hidden micronutrient deficiencies or stress conditions.

Amino acids and seaweed extract both support plant growth under stress conditions by activating plant defense and stimulating numerous plant growth processes. Amino acids help the plant to save energy by already delivering precursors of proteins, and increase the product efficiency by their natural sticking and wetting effect.

In conjunction with the micronutrients boron, manganese and zinc, especially fruit set, fruit growth and fruit quality are promoted.

Nutrient contents		% w/w	% w/v
Water-soluble boron as borate	B	0.86	1.1
Water-soluble manganese as chelate of citric acid	Mn	0.86	1.1
Water-soluble zinc as chelate of citric acid	Zn	0.86	1.1
Total amino acid		20.3	26.6

All nutrients are fully water-soluble and the cationic micronutrients (manganese and zinc) are fully chelated by citric acid.

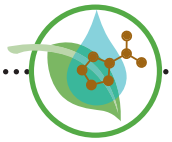
Product Properties: Density: 1.31 g/cm³ · pH value: 2.9 · Color: brown

Advantages

- well-balanced B, Mn and Zn supply for preventing micronutrient deficiency and ensuring proper crop growth and quality
- high content of amino acids plus seaweed extract to support plant growth under stress conditions
- optimal plant availability of nutrients
- excellent nutrient penetration
- natural sticking and wetting effect for higher product and pesticide efficiency
- durability against rain
- excellent formulation technology ensures simple product use
- joint application with pesticides

Additives for increased efficiency

Seaweed:
Biostimulating effect of natural plant ingredients for good and stable growth under stress conditions



Amino acid:
Highly active organic compounds that stimulate and strengthen the crop to acclimate to critical situations

IPM Enhancer:
Plant availabe ingredients optimize the efficiency and improve the effect of pesticides

Folistick:
Lasting adhesive for better uptake ensuring the durability against external factors

Complesal®
The new face of foliar fertilization

23335

Complesal® Active Start

Precautions and liability

Temperatures below +8°C and above +35°C as well as frequent temperature fluctuations during transport and storage should be avoided. Considerable changes in temperature and/or too low temperatures may cause crystallization. These crystals are fully water-soluble and will dissolve again in the spray solution. Prolonged storage may cause color change and a reversible phase separation.

Neither crystallization nor color change or phase separation will affect the desired physiological product quality in any way.

When mixing with other products for the first time, test on a small scale before general use.

Recommendation for product application

Type of Crop	Application Time	Application Rate
Pome fruit	1. start of flowering, 2. full flowering, 3. end of flowering, 4. fruit size 5 – 10 mm	2 l/ha 3 l/ha
Stone fruit	start of flowering and during petal fall, after first fruit fall	3 l/ha 4 l/ha
Strawberries	1. early spring growth, 2. first bloom, 3. fruit set	3 l/ha
Kiwi	before flowering and after flowering	3 l/ha
Wine grapes	1. 5 – 6 leaf stage, 2. before bloom, 3. berry set / early shattering	3 l/ha
Table grapes	1. bloom, 2. fruit set, 3. fruit size 5 – 10 mm, 4. berry closure	3 l/ha
Nightshades and Cucurbits (e.g. Tomato and Cucumber)	4 treatments starting at (first) bloom in 14-day intervals	2.5 l/ha or 250 ml/hl
Carrots, Onions, Leeks, Turnips	1. 2 – 3 weeks after emergence, 2. root enlargement 2 Treatments in 14-day intervals	2.5 l/ha 2.5 l/ha
Broccoli, Cauliflower, Cabbage	1. 4 – 6 true leaf stage 2. 10 – 14 days later 3. head initiation	3 l/ha
Asparagus	14 days after end of harvest and approx. 3 weeks later	5 l/ha
Avocado	before flowering (cauliflower stage), full bloom and after flowering	3 l/ha
Bananas	soon before and soon after inflorescence emergence and during fruit development	3 l/ha
Pineapple	one week before flowering; at flowering; after fruit setting	3 l/ha
Mango	one week before flowering; at flowering; after fruit setting	3 l/ha
Guava	one week before flowering; at flowering; after fruit setting	3 l/ha
Citrus	before bloom; end of bloom-fruitset; fruit enlargement	3 l/ha
Chili	before bloom; end of fruit bloom-fruit set	3 l/ha
Rooting / Transplant solution	root dripping of transplants prior to planting	0.01 %
Corn	during 4 – 6 leaf stage and 8 – 10 leaf stage	1 l/ha
Canola	at beginning of stem extension and at first inflorescence	2 – 2.5 l/ha
Sugar beet	during 6 – 8 leaf stage and 10 – 12 leaf stage	1 – 2 l/ha
Sunflower	during bud stage and at the beginning of flower opening	2 – 2.5 l/ha
Wheat	during early tillering and when the flag leaf is fully enlarged	1 l/ha

Complesal®

Wilhelm Haug GmbH & Co. KG · Eisenbahnstraße 32 · 72119 Ammerbuch · Germany
Sales office: Heerdter Landstrasse 199 · 40549 Duesseldorf · Germany
+49 (0) 2 11 5 06 42 37 · +49 (0) 2 11 5 06 42 49 · info@complesal.com