CroX stim

CroX Fertilization on the right track

Biostimulants

Complete Product Range

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CroxX stim Biostimulants to promote plant growth, health and resilience in integrated and sustainable modern Agriculture

Modern Biostimulants act by enhancing physiological processes of plants complementary to fertilization and plant protection and represent an important instrument in crop management.

Depending on the technology used and the time of application, Biostimulants support plants in relevant or critical phases under changing growth conditions such as climate changes and abiotic stress situations.

CroxX has developed a complete range of biostimulants, conditioners and combination products to combat biotic and abiotic stresses and stimulate plant, flower, fruit and root growth and improve yield and quality.

The use of single or combined biostimulant technologies leads to better nutrient efficiency, stimulated processes and tolerance to abiotic stress, optimising processes such as fruit set, fruit development and fruit quality.

Biostimulants have a positive effect on the various processes of rooting, growth, budding or improvement of soil conditions and fertility.

Choose single technologies of biostimulants such as algae, amino acids, humic and fulvic acids and salinity correctors, or alternatively a combination of CroxX stim Biostimulant technologies with macro and trace elements for specific treatments.

Aminopower

Liquid Biostimulant containing 10 % Free L-Amino Acids of vegetal origin. Thanks to its outstanding pureness the L-amino acids are absorbed extremely fast with minimal energy demand and are 100% available to by the plant.

Content (% w/w): 16.5 Amino Acids (10.0 Free AA) / 6.5 N
Density (kg/l): 1.22 / **pH:** 6.4-6.6

Crop	Foliar Application	Dosage (cc/100l)	Fertigation	Dosage (l/ha)
Fruit Trees except Plums	2-4 times at sprouting, preflowering, fruit growth, maturation	150-200	At spouting, preflowering, fruit growth	12-15L/ha 2-4 times
Olives	2-4 times pre and post flowering	60-90	At spouting, preflowering, fruit growth	12-15L/ha 2-4 times
Leafy Vegetables	1-2 times at early stage	180-300	During the production cycle	9-12L/ha 3-4 times
Fruity Vegetables	1-2 times at early stage	180-300	During the whole crop cycle	9-12L/ha 3-4 times
Berries	2-4 times before flowering	90-180	During the whole crop cycle	12-15L/ha 3-4 times
Cereals	Before tillering	1-2 l/ha		
Extensive crops	During vergetative stage	60-90		
Beets / Tubers / Potatos	3-5 times with Chemical treatments	100-200	During the whole crop cycle	15-120L/ha 3-4 times
Vineyards	2-3 times before flowering and 2-3 weeks after collection	150-200	At spouting, preflowering, fruit growth	7-12L/ha 2-4 times
Ornamentals	2-3 treatments at early stage	60-120	Weekly	0.6-1.2L/ha
Hydroponics	2-3 treatments at early stage	60-120	Weekly	0.6-1.2L/ha

Rootpower

Liquid Biostimulant with NPK, all trace elements, free Amino-Acids and the exclusive P-Booster Complex to especially drive and promote root growth. Designed to combine Free Amino Acids, an organic chelator and booster as well as essential macro and chelated micronutrients.

Content (% w/w): 4.5 N / 5.0 P_2O_5 / 6.0 K_2O
12.0 Amino Acids (4.5 Free Amino Acids)
0.06 B / 0.04 Cu / 0.19 Fe / 0.155 Mn / 0.0029 Mo / 0.18 Zn
* Cu, Fe, Mn, Zn chelated by EDTA
Density (kg/l): 1.27 / **pH:** 6.0

Crop	Foliar Application	Dosage (cc/100l)	Fertigation	Dosage (l/ha)
Fruit Trees	After flowering in 10-20 days interval	250-300	Applications at vegetative regrowth, during the early stages	2-3l/ha repeat 2-4 times
Olives	After flowering in 10-20 days interval	250-300	Applications at vegetative regrowth, during the early stages	2-3l/ha
Leafy Vegetables	Apply in regular intervalls during early crop stage (2-3 weeks)	250-300	Apply in regular intervalls during early crop stage (2-3 weeks)	1,5-2l/ha repeat 2-4 times
Fruity Vegetables	Apply in regular intervalls during early crop stage and after flowering (2-3 weeks)	250-300	Apply in regular intervalls during early crop stage and after flowering (2-3 weeks)	2-4l/ha every 14 days
Berries	3-4 times before flowering	250-300	Applications at vegetative regrowth, during the early stages	2-4l/ha every 14 days
Extensive crops; Cereals, Canola	Apply 2-3 times until flowering	250-300		
Beets / Tubers / Potatos	Apply 4-6 times during early crop stage and tuber formation	250-300	Apply 4-6 times during early crop stage and tuber formation	2-4l/ha every 14 days
Vineyards	Apply 2-6 times until flowering	250-300	Applications at vegetative regrowth, during the early stages	3-5l/ha every 14 days
Ornamentals	Apply 2-6 times during early crop stage	75-100	Apply 2-6 times during early crop stage	1-2 l/ha every 21 days
Hydroponics	Apply repeatedly during vegetative growth	50-75	Drenching at planting 0,2-0,3%	1-2 l/ha every 14 days
Nuresery	Apply repeatedly	50-75	Drenching at planting 0,2-0,3%	0,5 - 1l/ha every 14 days

Kelp

Liquid Biostimulant from natural Kelp (*Durvillea potatorum*) rich in naturally stimulating ingredients like Mannitol and Oligo-saccharides, known to lower osmotic stress. Specific Bull Kelp to Improve resistance to drought, heat, or other abiotic types of stress.

Content (% w/w): 30.0 Bull Kelp / 3.4 K_2O / 2.4 SO_3
Density (kg/l): 1.05 / **pH:** 3.2-3.8

Crop	Foliar Application	Dosage (cc/100l)	Fertigation	Dosage (l/ha)
Fruit Trees	From the first visible flowers until the harvest	250-300	Every two weeks to maintain the balance of the crops	3-5l/ha
Olives	Apply before and during flowering, during fruit set and fruit growth	250-300	Every two weeks to maintain the balance of the crops	3-5l/ha
Leafy Vegetables	3-4 applications every 10-15 days from the first true leaves	250-300	Every two weeks to maintain the balance of the crops	3-5l/ha
Fruity Vegetables	Start applications from the first visible flowers until harvesting	250-300	Every two weeks to maintain the balance of the crops	3-5l/ha
Berries	Start applications from the first visible flowers until harvesting	200-400	Every two weeks to maintain the balance of the crops	3-5l/ha
Extensive crops; Cereals, Canola	In combination with herbicides and/or fungicides to combat phytotechnical stress	1-2 l/ha		
Beets / Tubers / Potatos	Drenching of tuber, 2-3 applications during tuber set	250-300	Every two weeks to maintain the balance of the crops	3-5l/ha
Vineyards	Treat every 15 days from before flowering until one month after harvest	250-300	Every two weeks to maintain the balance of the crops	3-5l/ha
Ornamentals	Use repeatedly before flowering	200-400	Every two weeks to maintain the balance of the crops	3-5l/ha
Hydroponics	Use 3-5 applications with sufficient foliage	250-350	Every two weeks to maintain the balance of the crops	3-5l/ha

Algae

Liquid biostimulant based on natural Seaweed Extract (*Ascophyllum nodosum*) with high content of Alginic acid and presence of natural growth hormones. Additionally, stimulants such as betaine and polyamines stimulate natural defense systems of plants and promote vegetative and root growth.

Content (% w/w): 17.0 Seaweed extract / 4.0 N / 3.0 K_2O
2.7 Alginic Acid / 0.75 Mannitol
Density (kg/l): 1.09 / **pH:** 9.5

Crop	Foliar Application	Dosage (cc/100l)	Fertigation	Dosage (l/ha)
Fruit Trees	From the first visible flowers until the harvest	250-300	Every two weeks to maintain the balance of the crops	3-5l/ha
Olives	Apply before and during flowering, during fruit set and fruit growth	250-300	Every two weeks to maintain the balance of the crops	3-5l/ha
Leafy Vegetables	3-4 applications every 10-15 days from the first true leaves	250-300	Every two weeks to maintain the balance of the crops	3-5l/ha
Fruity Vegetables	Start applications from the first visible flowers until harvesting	250-300	Every two weeks to maintain the balance of the crops	3-5l/ha
Berries	Start applications from the first visible flowers until harvesting	200-400	Every two weeks to maintain the balance of the crops	3-5l/ha
Extensive crops; Cereals, Canola	In combination with herbicides and/or fungicides to combat phytotechnical stress	1-2 l/ha		
Beets / Tubers / Potatos	Drenching of tuber, 2-3 applications during tuber set	250-300	Every two weeks to maintain the balance of the crops	3-5l/ha
Vineyards	Treat every 15 days from before flowering until one month after harvest	250-300	Every two weeks to maintain the balance of the crops	3-5l/ha
Ornamentals	Use repeatedly before flowering	200-400	Every two weeks to maintain the balance of the crops	3-5l/ha
Hydroponics	Use 3-5 applications with sufficient foliage	250-350	Every two weeks to maintain the balance of the crops	3-5l/ha

Super SL

Organo-mineral liquid NPK fertilizer with TE and Kelp to promote growth. The Kelp (*Durvillea potatorum*) increases the vigour of the crop and stress resistance.

Content (% w/w): 5.0 N / 5.0 P_2O / 5.0 K_2O / 2.97 Kelp
0,005 B / 0.05 Cu / 0.01 Mn / 0.001 Mo / 0.05 Zn
Density (kg/l): 1.14 / **pH:** 6.4

Crop	Foliar Application	Dosage (cc/100l)	Fertigation	Dosage (l/ha)
Fruit Trees	From the first visible flowers until the harvest	250-300	Every two weeks to maintain the balance of the crops	3-5l/ha
Olives	Apply before and during flowering, during fruit set and fruit growth	250-300	Every two weeks to maintain the balance of the crops	3-5l/ha
Leafy Vegetables	3-4 applications every 10-15 days from the first true leaves	250-300	Every two weeks to maintain the balance of the crops	3-5l/ha
Fruity Vegetables	Start applications from the first visible flowers until harvesting	250-300	Every two weeks to maintain the balance of the crops	3-5l/ha
Berries	Start applications from the first visible flowers until harvesting	200-400	Every two weeks to maintain the balance of the crops	3-5l/ha
Cereals	In combination with herbicides and/or fungicides to combat phytotechnical stress	2-4 l/ha		
Extensive crops	Drenching of tuber, 2-3 applications during tuber set	250-300	Every two weeks to maintain the balance of the crops	3-5l/ha
Beets / Tubers / Potatos	Treat every 15 days from before flowering until one month after harvest	250-300	Every two weeks to maintain the balance of the crops	3-5l/ha
Vineyards	Use repeatedly before flowering	200-400	Every two weeks to maintain the balance of the crops	3-5l/ha
Ornamentals	Use 3-5 applications with sufficient foliage	250-350	Every two weeks to maintain the balance of the crops	3-5l/ha
Hydroponics	Use 3-5 applications with sufficient foliage	250-500	Drenching at planting 0,2-0,3%	1-2 l/ha every 14 days

Vital

NK-fertilizer solution with Kelp extract (*Durvillea potatorum*) and TE to promote plant health and vigor. Contains extra Phosphite to protect against biotic stress. Complete product against biotic and abiotic stress.

Content (% w/w): 5.0 N / 13.0 K_2O / 3.0 Kelp
0.01 B / 0.02 Cu / 0.02 Fe / 0.01 Mn / 0.001 Mo / 0.017 Zn
Density (kg/l): 1.27 / **pH:** 4.3

Crop	Foliar Application	Dosage (cc/100l)	Fertigation	Dosage (l/ha)
Fruit Trees	From the first visible flowers until the harvest	250-300	Every two weeks to maintain the balance of the crops	3-5l/ha
Olives	Apply before and during flowering, during fruit set and fruit growth	250-300	Every two weeks to maintain the balance of the crops	3-5l/ha
Leafy Vegetables	3-4 applications every 10-15 days from the first true leaves	250-300	Every two weeks to maintain the balance of the crops	3-5l/ha
Fruity Vegetables	Start applications from the first visible flowers until harvesting	250-300	Every two weeks to maintain the balance of the crops	3-5l/ha
Berries	Start applications from the first visible flowers until harvesting	200-400	Every two weeks to maintain the balance of the crops	3-5l/ha
Extensive crops; Cereals etc.	In combination with herbicides and/or fungicides to combat phytotechnical stress	2-4 l/ha		
Beets / Tubers / Potatos	Drenching of tuber, 2-3 applications during tuber set	250-300	Every two weeks to maintain the balance of the crops	3-5l/ha
Vineyards	Treat every 15 days from before flowering until one month after harvest	250-300	Every two weeks to maintain the balance of the crops	3-5l/ha
Ornamentals	Use repeatedly before flowering	200-400	Every two weeks to maintain the balance of the crops	3-5l/ha
Hydroponics	Use 3-5 applications with sufficient foliage	250-350	Every two weeks to maintain the balance of the crops	3-5l/ha

Blossom

Organic-mineral N fertilizer solution high in Magnesium, B, Mo and Kelp (*Durvillea potatorum*). Rich in naturally stimulating ingredients as Mannitol and Oligosaccharides, known to lower osmotic stress. For better flowering.

Content (% w/w): 4.0 N / 5.0 MgO / 1.0 B / 0.2 Mo / 15.0 Kelp
Density (kg/l): 1.2 / **pH:** 6.6

Crop	Foliar Application	Dosage (cc/100l)	Fertigation	Dosage (l/ha)
Fruit Trees	From the first visible flowers until the harvest	250-300	Every two weeks to maintain the balance of the crops	3-5l/ha
Olives	Apply before and during flowering, during fruit set and fruit growth	250-300	Every two weeks to maintain the balance of the crops	3-5l/ha
Leafy Vegetables	3-4 applications every 10-15 days from the first true leaves	250-300	Every two weeks to maintain the balance of the crops	3-5l/ha
Fruity Vegetables	Start applications from the first visible flowers until harvesting	250-300	Every two weeks to maintain the balance of the crops	3-5l/ha
Berries	Start applications from the first visible flowers until harvesting	200-400	Every two weeks to maintain the balance of the crops	3-5l/ha
Cereals	In combination with herbicides and/or fungicides to combat phytotechnical stress	2-4 l/ha		
Extensive crops	Drenching of tuber, 2-3 applications during tuber set	250-300	Every two weeks to maintain the balance of the crops	3-5l/ha
Beets / Tubers / Potatos	Treat every 15 days from before flowering until one month after harvest	250-300	Every two weeks to maintain the balance of the crops	3-5l/ha
Vineyards	Use repeatedly before flowering	200-400	Every two weeks to maintain the balance of the crops	3-5l/ha
Ornamentals	Use 3-5 applications with sufficient foliage	250-350	Every two weeks to maintain the balance of the crops	3-5l/ha
Hydroponics	Use 3-5 applications with sufficient foliage	250-500	Drenching at planting 0,2-0,3%	1-2 l/ha every 14 days

Activator 17

High purity liquid humic and fulvic acids for fertigation. Derived from Leonardite. Stimulates root growth and promotes uptake of nutrients due to natural chelation and complexation of nutrients.

Content (% w/w): 17 Humic Extract / 12 Humic Acids / 5.0 Fulvic Acids / 3.5 K_2O
Density (kg/l): 1.12 / **pH:** 12.5 – 13.0

Crop	Fertigation	Dosage (l/ha)
Fruit Trees	Every 2 weeks during the crop cycle total of 40-60 L/ha	5-10L/application
Olives	Every 2 weeks during the crop cycle total of 40-60 L/ha	5-10L/application
Leafy Vegetables	Every 2 weeks during the crop cycle	5-10L/application
Fruity Vegetables	Start applications about 7 days after the transplant and gradually reduce the dose in the final stages of the crop, for a total of 40-60 L/ha	5-10L/application
Berries	Applications to the vegetative restart, in the development phase and in post-harvest for a total of 40-60 L/ha	5-10L/application
Cereals	Apply in full field, in the autumn phase and/or at the spring vegetative restart	3-5L/application
Extensive crops	Apply in full field, in the autumn phase and/or at the spring vegetative restart	5-10L/application
Beets / Tubers / Potatos	Every 2 weeks during the crop cycle total of 40-60 L/ha	5-10L/application
Vineyards	Every 2 weeks during the crop cycle total of 40-60 L/ha	5-10L/application
Ornamentals	Apply at transplanting and during cultivation at regular intervals, for a total of 20-30 L/ha	5-10L/application

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Activator

Boosts soil health and plant growth with optimized ratio Humic and Fulvic Acid, enhancing nutrient absorption and microbial activity.

Better root development and soil structure increase nutrient retention, resulting in healthier plants and higher yields.

Granular powder form, derived from Leonardite.

Content (% w/w)
60-65 Total Humic Acids (45-55 Humic Acid, 10-15 Fulvic Acid), 9-11 K_2O

Bulk density (kg/l): 0.6 / pH: 10.5

Benefits

- ✔ **Optimized ratio Humic : Fulvic acids**
- ✔ **With Potassium (Na free)**
- ✔ **100% water soluble**

Antisal

Liquid salinity and calcium corrector. High content of specific carboxylic acids to reduce conductivity of soil solutions and relief of salt stress. High concentration of Glycine Betain as osmotic stress regulator to support withstands water and salt stress.

Content (% w/w): 9.0 CaO (15.0 Lignosulfonic acid / 3.0 Acetic Acid) / 8.0 Glycine Betaine
Density (kg/l): 1.35 / **pH:** 4.16

Crop	Foliar Application	Dosage (cc/100l)	Fertigation	Dosage (l/ha)
Fruit Trees	Fruit set, fruit enlargement, maturation	200-400	Every 2-3 weeks after fruit set	5-10L/application
Olives	Fruit set, fruit enlargement, maturation	200-400	Every 2-3 weeks after fruit set	5-10L/application
Leafy Vegetables	Regularly during root formation, pre flowering, fruit set	200-400	Every 2-3 weeks	5-10L/application
Fruity Vegetables	Fruit set, fruit enlargement, maturation	200-400	Every 2-3 weeks after fruit set	5-10L/application
Berries	Regularly during root formation, pre flowering, fruit set	200-400	Every 2-3 weeks	5-10L/application
Extensive crops	Regularly during root formation, pre flowering, fruit set	200-400	Every 2-3 weeks	5-10L/application
Beets / Tubers / Potatos	Regularly during root formation, pre flowering, fruit set	200-400	Every 2-3 weeks	5-10L/application
Vineyards	Fruit set, fruit enlargement, maturation	200-400	Every 2-3 weeks after fruit set	5-10L/application
Ornamentals	Regularly during root formation, pre flowering, fruit set	200-400	Every 2-3 weeks	5-10L/application

CroxX stim

CroxX is a German fertilizer company based in Münster, Westphalia. We produce and distribute innovative fertilizer solutions, fertilizer enhancers, biostimulants and technologies for sustainable agriculture.

We strive for excellence so that farmers all over the world can benefit from our expertise. A complete product range and our continuous technical and sales support are a unique promise of performance.

Our team has more than 20 years of experience in the development and worldwide marketing of Specialty Fertilizers, Nitrification and Urease Inhibitors as well as additives for better nutrient efficacy.

Our portfolio includes:

- Granular NPKs
- Water Solubles
- Stabilized Fertilizers
- Micronutrients
- Biostimulants
- Urease and Nitrification Inhibitors
- P-Enhancers

A company of the

WOCKLUM GROUP

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