



Foliar Fertilizers

Complete Product Range

CroxX foliar Fertilizers to complement and optimize soil fertilization in modern crop management



CroxX foliar to ensure and safeguard optimal crop performance when nutrient supply from the soil is inadequate or uncertain for various reasons.



CroxX foliar offers the best benefits when environmental conditions limit the effectiveness or prevent the application of nutrients to the soil, i.e. dry or compacted soils.



CroxX foliar when plant demand for nutrients exceeds the capacity of root nutrient uptake i.e. at peak demand times or sensitive physiological stages fertilizers.



CroxX foliar fertilizers are applied as insurance to minimize the potential impact of unpredictable nutrient deficiencies in high-value and risk averse production systems.



CroxX foliar when efficacy of soil fertilization is uncertain or complementary. CroxX foliar fertilizers offer various detailed advantages compared to soil fertilizers.



CroxX foliar when a rapid supply of nutrients with fast effects is required. Nutrient losses are low compared to soil fertilization at times of high nutrient demand.



CroxX foliar when plant physiological processes prevent nutrient allocation and when elemental mobility within the plant and fruits limits delivery to tissues i.e. Ca, Mn, Si, Fe



CroxX foliar ensures a balanced and sufficient nutrient supply, improves fruit quality by preventing deficiencies and provides for highest yields.



CalciPlus

Calcium Nitrate solution with TE (B, Mn, Zn)

Liquid Calcium solution to promote Calcium content especially in fruits and leaves to extend shelf life and counter Ca-disorders in plants.

For Foliar Application

Content (% w/w): 8.65 N / 13.9 CaO / 0.2 B / 0.7 Mn / 0.2 Zn

Density (kg/l): 1.43 / **pH:** 1.0



Crop	Foliar Application	Dosage (l/ha)
Fruit Trees apple; pear	2-6 applications every 14-21 days from fruit set	2-3l/ha
Fruit Trees peach, plums, apricot	2-4 applications every 14-21 days from fruit set	2-3l/ha
Olives	2-4 applications every 14-21 days from fruit set	2-3l/ha
Leafy Vegetables Lettuce	3 treatments at 50%, 75% of development and 15 days before harvesting	2-3l/ha
Fruity Vegetables tomato, peper, aubergine	4 applications, start before the first flowering until enlargement	3-4l/ha
Fruity Vegetables Melon, watermelon, courgette, cucumber	2-3 application, start at the 4-6 leaf stage until the fruits appear	3-4l/ha
Berries	3-4 applications, start before the first flowering until enlargement	3-4l/ha
Citrus	2-6 applications every 14-21 days from fruit set until harvest	2-3l/ha
Beets / Tubers / potatoes	2 treatments, at 15-20 cm of plant development and repeated after 15 days	3-4l/ha
Vineyards	2-6 applications every 14-21 days from fruit set until harvest	2-3l/ha
Ornamentals		



CaBMg Plus

Fruit trees and vegetables benefit from the balanced formulation, increasing cell-wall stability and associated traits like shelf-life and fruit quality.

As a key component of chlorophyll (green plant pigment) magnesium in combination with nitrogen initiates a regreening effect of deficient plants.

Fertilizer for Foliar and Soil Application.

Content (% w/w)

4.9 N (4.9 ureic N) / 15.0 CaO (10.7 Ca) / 4.0 MgO (2.4 Mg) / 0.07 B

Bulk density (kg/l): 1.42 / pH: 3.5

CE certified



Benefits

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



Si15

High Silicon formula with Potassium and Algae extract (Ascophyllum nodosum). Enhances crop stability and resistance against biotic and abiotic stress.

For Foliar Application

Content (% w/w): 15.0 SiO₃ / 10.0 K₂O / 10.0 Algae extract
Density (kg/l): 1.22 / **pH:** >11



Crop	Foliar Application	Dosage (l/ha)
Fruit Trees	3-5 applications. Every 14 days from fruit set. Early applications favour fruit fill and late applications favour colour development.	2-3l/ha
Leafy Vegetables	3-4 application, Apply from 6 leaf stage to mid head set	3-4l/ha
Fruity Vegetables	3-4 application, Repeated applications during fruit set, swell and ripening.	3-4l/ha
Berries	3-4 application, Repeated applications during fruit set, swell and ripening. Until 15 days before harvest	3-4l/ha
Cereals	1-2 application, mixed with Fongicide during blooming	1-2l/ha
Beets / Tubers / potatos	3-4 application, Begin applications at row closure and continue during early tuber formation	3l/ha
Vineyards	3-4 application, Apply before during and after veraison especially in coloured varieties	2-3l/ha
Ornamentals	3-4 application, when K deficiency is known	1-2l/ha



5-5-5

Complete liquid NPK Fertilizer with Micronutrients (B, Cu, Mn, Mo and Zn) for the entire crop phase to boost extra growth

Fertilizer for Foliar and Soil Application

Content (% w/w): 5.0 N / 5.0 P₂O₅ / 5.0 K₂O / 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)
Fruit Trees	From the first visible flowers until the harvest	250-300
Olives	Apply before and during flowering, during fruit set and fruit growth	250-300
Leafy Vegetables	3-4 applications every 10-15 days from the first true leaves	250-300
Fruity Vegetables	Start applications from the first visible flowers until harvesting	250-300
Berries	Start applications from the first visible flowers until harvesting	200-400
Cereals	In combination with herbicides and/or fungicides to combat phytotechnical stress	2-4l/ha
Extensive crops	Drenching of tuber, 2-3 applications during tuber set	250-300
Beets / Tubers / potatos	Treat every 15 days from before flowering until one month after harvest	250-300
Vineyards	Use repeatedly before flowering	200-400
Ornamentals	Use 3-5 applications with sufficient foliage	250-350



10-4-7

Proven liquid NPK Fertilizer with micronutrients (B, Cu, Fe, Mn, Mo and Zn) enriched with Algae extract to promote growth

For Foliar and Soil Application

Content (% w/w): 10.0 N / 4.0 P₂O₅ / 7.0 K₂O / 0.030 B / 0.025 Cu / 0.105 Fe / 0.032 Mn / 0.011 Mo / 0.070 Zn
Cu, Fe, Mn and Zn chelated with EDTA

Density (kg/l): 1.19 / **pH:** 6.9



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



N37

High Nitrogen Fertilizer with Iron and Molybdenum to enhance protein concentration in cereals and to cover spike N-demands of crops. Mg, and Mo support N-metabolism and chlorophyll production.

For Foliar and Soil Application

Content (% w/w): 28.0 N / 0.6 MgO / 0.02 Fe / 0.005 Mo
Fe chelated with EDTA

Density (kg/l): 1.31 / **pH:** 7.3



Crop	Foliar Application	Dosage (cc/100L)
Fruit Trees	Apply during sprouting, development of the fruit and ripening	3-5l/ha
Olives	Apply when emerging from winter and during pre-flowering 2-3 applications between the start of shooting and the hardening of the fruit	3-5l/ha
Leafy Vegetables	3-4 applications during the crop cycle, starting at the 4-6 leaves stage	3-5l/ha
Fruity Vegetables	3-4 applications during the crop cycle, starting at the 4-6 leaves stage	3-5l/ha
Cereals	1-2 applications during shooting or mixed with herbicides. Repeat after flowering to increase the protein content mixed with fungicide	3-5l/ha
Sugar beet	2 applications between the 4-6 leaf stages and the closure of lines. Do not apply after the lines have been closed	3-5l/ha
Beets / Tubers / potatos	2 applications when the plant reaches 15 cm. repeated 15 days later. Recommended at times of stress due to high nitrogen requirement	3-5l/ha
Vineyards	3-4 application, Apply from fruit set until veraison	2-3l/ha
Ornamentals		



K46

Liquid mineral NK Fertilizer 3-0-30.
Enriched with EDTA

For Foliar Application

Content (% w/w): 3.0 N / 30 K₂O

Density (kg/l): 1.50 / **pH:** > 11



Crop	Foliar Application	Dosage (cc/100L)
Fruit Trees	3-5 applications. Every 14 days from fruit set. Early applications favour fruit fill and late applications favour colour development.	2-3l/ha
Leafy Vegetables	3-4 application, Apply from 6 leaf stage to mid head set	3-4l/ha
Fruity Vegetables	3-4 application, Repeated applications during fruit set, swell and ripening.	3-4l/ha
Berries	3-4 application, Repeated applications during fruit set, swell and ripening. Until 15 days before harvest	3-4l/ha
Cereals	1-2 application, mixed with Fongicide during blooming	1-2l/ha
Beets / Tubers / potatos	3-4 application, Begin applications at row closure and continue during early tuber formation	3l/ha
Vineyards	3-4 application, Apply from fruit set until veraison, stop 1 month before harvest for better result and color	2-3l/ha
Ornamentals	3-4 application, when K deficiency is known	1-2l/ha



N18+4

Proven liquid N-Fertilizer (15%) with 3% MgO

Fertilizer for Foliar Application.

Content (% w/w): 15.0 N / 3% MgO

Density (kg/l): 1.19 / **pH:** 6.0



Crop	Foliar Application	Dosage (cc/100L)
Fruit Trees	Apply during sprouting, development of the fruit and ripening	3-5l/ha
Olives	Apply when emerging from winter and during pre-flowering 2-3 applications between the start of shooting and the hardening of the fruit	3-5l/ha
Leafy Vegetables	3-4 applications during the crop cycle, starting at the 4-6 leaves stage	3-5l/ha
Fruity Vegetables	3-4 applications during the crop cycle, starting at the 4-6 leaves stage	3-5l/ha
Cereals	1-2 applications during shooting or mixed with herbicides. Repeat after flowering to increase the protein content mixed with fungicide	3-5l/ha
Sugar beet	2 applications between the 4-6 leaf stages and the closure of lines. Do not apply after the lines have been closed	3-5l/ha
Beets / Tubers / potatos	2 applications when the plant reaches 15 cm, repeated 15 days later. Recommended at times of stress due to high nitrogen requirement	3-5l/ha
Vineyards	3-4 application, Apply from fruit set until veraison	2-3l/ha
Ornamentals		



0-30-20

Compound Liquid inorganic PK-Fertilizer

Fertilizer for Foliar Application.

Content (% w/w): 30% P₂O₅ / 20% K₂O

Density (kg/l): 1.4 / **pH:** 4.5



Crop	Foliar Application	Dosage (cc/100l)	Fertigation	Dosage (l/ha)
Fruit Trees	2-6 applications every 14-21 days from fruit set	300-500	2-6 applications every 14-21 days from fruit set	5L/ha
Olives	2-4 applications every 14-21 days from fruit set	200-300	2-4 applications every 14-21 days from fruit set	5L/ha
Leafy Vegetables	Start early during the cycle and repeat every 14-21 days	200-300	Start early during the cycle and repeat every 14-21 days	5L/ha
Fruity Vegetables	Start early during the cycle and repeat every 14-21 days	200-300	Start early during the cycle and repeat every 14-21 days	5L/ha
Berries	Start early during the cycle and repeat every 14-21 days	200-300	Start early during the cycle and repeat every 14-21 days	5L/ha
Cereals	Mix with Herbicide	0,5-1L/ha		
Extensive crops		0,5-1L/ha		
Beets / Tubers / Potatos	Start early during the cycle and repeat every 14-21 days	200-300	Start early during the cycle and repeat every 14-21 days	5L/ha
Vineyards	2-6 applications every 14-21 days from 5 leafs	200-300	2-6 applications every 14-21 days from 5 leafs	5L/ha
Ornamentals	Start early during the cycle and repeat every 14-21 days	200-300	Start early during the cycle and repeat every 14-21 days	5L/ha
Hydroponics	Start early during the cycle and repeat every 14-21 days	200-300	Start early during the cycle and repeat every 14-21 days	0,3-0,6 L/1000 L





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

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