

More than 30 years of experience in plant nutrition

Foliar fertilisation in stone and berry fruit

The right nutrition for fruit and plant

Leaf fertilisation -

Optimal nutrient supply via the leaf

Foliar fertilisation ensures an effective and rapid supply of nutrients for crops in key growth stages when they are needed, also for better fruit quality and improved shelf life.

Increasing weather extremes are leaving its marks on pome fruit cultivation. Periods of drought happen more often, which can reduce the number of fruits per tree and the fruit size. These phenomena also can induce nutrient deficiency. Even if this is not visible at first, it affects the quality of the fruit and later the performance of the trees, shrubs and plants.

An extra for better stability

Lebosol®-Silicon with the effective formulation

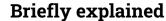
Silicon is not classed as an essential nutrient and yet it supports many processes in plants such as:

- ✓ Regulation of the water balance
- ✓ Improving of stress tolerance
- ✓ Extending the shelf life of the fruits

Even if silicon is already present in the soil as a silicate (e.g. potassium silicate), it cannot always be absorbed in suf-

ficient quantities by the roots. To be effective as a foliar fertiliser, silicon must be supplied in the form of orthosilicic acid (Lebosol®-Silicon contains stabilised orthosilicic acid). Only this form can be absorbed without restriction via the leaf.

Silicon has got not only beneficial characteristics itself, but also promotes the absorption of other essential nutrients such as potassium, calcium and phosphorus.



Important elements and their key functions in stone and berry fruits

- ♣ Potassium provides better resistance to drought and frost. However, it also plays an important role in the colouring of the fruits as well as can determine the fruit size.
- Calcium is needed to stabilise the cell walls and cell membranes and so the fruit quality. Sufficient calcium helps to improve shelf life.
- **Boron** is important for the quality of the blossoms, the fruit set and the frost tolerance of the blossoms and it also supports calcium absorption.

 Therefore, it increases shelf life.
- ♠ Magnesium promotes & influences growth dynamics, acts as a phosphorus carrier and maintains green and vigorous new growth.
- Zinc is important for flower quality and size growth. It makes the plants more resistant to radiation stress (less sunburn).
- Manganese improves the use of the available nitrogen and makes the plants more stable in times of drought and radiation stress (less sunburn).
- Iron is essential for chlorophyll formation, photosynthesis and water balance



Our recommendations for the optimal nutrient supply of your stone and berry:

For what?	Which product?	When and how often?						
		Breaking open the buds	Bloom formation	Full flowering	End of flowering	Fruit growth	Fruit development to ripeness	Post- harvest
✓ Flower quality and fruit set✓ Reduction of radiation stress	Avitar® (BO)				2 – 3 times 3 – 5 l/ha			
✓ Fruit set and size✓ Less rubella✓ Against scharka-induced symptoms	Aminosol® (BB)			3 tir	3 times 5 – 7,5 l/ha			2 times 2 l/ha
✓ More vitality (e.g. during frost for flowering)	Aminosol® + Lebosol®-Robustus SC + Lebosol®-Potassium 450		1 – 2 time	s 2 l/ha + 2 l/ha + 5 l/ha				
✓ Water transport (reduction of heat stress)✓ Elimination of iron chlorosis	Lebosol®-HeptaIron	00 00 10		400 1	2	– 4 times	3 – 7 l/ha via the lea	f
		30 – 60 ml/t per 100 m row (o	tree or 300 – over the grou					
✓ Fruit quality✓ Bursting strength✓ Shelf life	Lebosol®-Silicon + Phytoamin®			2 – 4 times 1 l/ha + 5 l/ha				
✓ Photosynthesis performance✓ Leaf quality✓ Vitality	Lebosol®-Magnesium 400 SC (ஜீ)		2 – 3 times 3 – 5 l/ha					
✓ Fruit firmness✓ Shelf life	Lebosol®-Calcium-Forte SC			2 – 5 times 4 – 8 l/ha				
✓ Radiation stress reduction (antioxidant)✓ Leaf quality✓ Water balance	Lebosol®-Manganese 500 SC				2 – 3 times 0,5 l/ha			

Top 3 of the most popular Lebosol® products for stone and berry fruits:



Lebosol®-Zinc 700 SC

Fertilizer suspension for the supply of the active mineral zinc

Ingredient: 700 g/l Zn



Lebosol®-Silicon

Trace nutrient fertiliser solution for the targeted stabilisation of plant cells **Ingredients:** 7 g/l Fe, 20 g/l Zn, 20 g/l N, 610 g/l SiO_2



Lebosol®-HeptaIron

Iron fertiliser solution complexed with heptagluconic acid **Ingredient:** 55 g/l Fe

We are happy to be there for you!

How to contact us:



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Our team members on the advice line are happy to help you.



www.lebosol.de/en

Send us a message via our contact form.



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Send us an email.

You can also find us online via our social media channels:









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