

Things to know about foliar fertilisation

Increasing weather extremes are leaving its mark on sugar beet cultivation. These situations also can induce nutrient deficiency. Even if this is not visible at first, it affects the quality, yield and the sugar content. Sunburn also occurs more frequently and is often not even considered as a yield limiting factor. Foliar fertilisation ensures an effective and rapid supply of nutrients even under unfavourable growing conditions.

Avitar® – triple effect!

Organic NK fertiliser with anti-stress effect and unique formulation of three natural ingredients:

- ✦ Amino acids
- ✦ Algae extract
- ✦ Humic and fulvic acids



VITALoSol® GOLD SC –
From our GOLD series:
Nutrient supply and vitality

Nutrients: 36% elemental **sulfur** (570 g/l S), 2.4% total **copper** as copper oxychloride (40 g/l Cu), 9.6% total **manganese** as manganese carbonate (150 g/l Mn)

Advantages of VITALoSol® GOLD SC in sugar beet:

- ✓ Optimal application of sulfur, copper and manganese
- ✓ Supports and improves the nitrogen utilization
- ✓ Stable yields
- ✓ Robust and vital plants



We are happy to be there for you!

How to contact us:



+49 6328 98494-80
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.



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sugar beets · sugar beets · sugar beets · sugar beets



Lebosol ✦

More than 30 years of experience in plant nutrition

Foliar fertilisation for sugar beet

Optimum nutrient supply



Our recommendations for the optimal nutrient supply in sugar beet cultivation:

For what?	Which product?	When and how often?				
		Germination	Leaf development	Rosette growth	Development of beet root	Harvest
		BBCH 00	BBCH 12 – 18	BBCH 30 – 38	BBCH 39 – 48	BBCH 49
✓ Seed treatment with nutrients for improved development at early stages	Lebosol®-Total Care or Avitar®	0.2 – 0.5 l/dt				
✓ Improving stress tolerance ✓ Vitality ✓ Enhances the effectiveness of foliar herbicides	Lebosol®-Total Care or Avitar®		1 – 2 times 3 l/ha			
✓ Cells integrity ✓ Protects against heart and dry rot ✓ Influences sugar content	Lebosol®-Boron / Lebosol®-AqueBoron SC 150			2 – 3 times 2 l/ha		
✓ N-efficiency ✓ Vitality ✓ Leaf quality	Lebosol®-Molybdenum			1 – 2 times 0.25 l/ha		
✓ Reduces drought stress ✓ Promotes root growth ✓ Elevates sugar content	Lebosol®-Silicon			1 – 3 times 0.5 l/ha		
✓ Reduction of radiation stress (antioxidant) ✓ N-efficiency ✓ Water balance	Lebosol®-Manganese 500 SC + Lebosol®-Zink 700 SC			1 – 2 times 1 l/ha + 1 l/ha		
✓ Revitalisation ✓ Improving stress tolerance ✓ N-efficiency	VITALoSol® GOLD SC				2 – 4 times 3 – 5 l/ha	
✓ Photosynthesis performance ✓ Leaf quality ✓ Vitality	Lebosol®-MagSOFT SC				1 – 3 times 3 – 5 l/ha	

Top 3 most unique Lebosol® products for sugar beet cultivation:



Avitar®

Organic NK fertiliser with anti-stress effect
Ingredients:
47 g/l N, 24 g/l K₂O



Lebosol®-AqueBoron SC 150

Produced with the latest findings in formulation technology
Ingredients:
150 g/l B, 62 g/l Na



VITALoSol® GOLD SC

From our GOLD series:
Nutrient supply and vitality
Ingredients:
150 g/l Mn, 40 g/l Cu, 570 g/l S

Briefly explained

Important elements and their key functions in sugar beet cultivation

- ✓ **Crops with nutrient deficiency will be more susceptible against diseases and abiotic stress. Foliar fertilization with macro-and micro-elements will ensure an optimized plant nutrition.**
- ✿ **Boron** is important for internal quality, prevents heart rot and dry rot and increases the sugar content. It also supports potassium absorption.
- ✿ **Molybdenum** plays an important role in the in the conversion of nitrogen in the plant.
- ✿ **Magnesium** promotes phosphorus uptake and ensures green leaf colour.
- ✿ **Zinc** is important for 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 tolerant to dry periods and radiation stress (less sunburn).
- ✿ Sugar beet plants respond good to **Sulphur** for effective use of nitrogen to stabilize yield and quality.
- ✿ **Silicon** is not a nutrient, but it helps plants regulate their water balance. It promotes root formation and thus phosphorus and potassium uptake. It also plays an important role in improving stress tolerance.

