High yields and guality through optimal nutrient supply

Climate change is leaving its mark on cereal cultivation. Water scarcity is more frequent and spring drought is now not only a regional problem. As a result, nutrient deficiencies are more common. Even if they are not visible at first, they might have a serious impact on yield and grain quality. Sunburn also occurs more frequently and is often not even identified as a serious problem. Foliar fertilisation ensures an effective and rapid supply of nutrients.

Avitar[®] – triple effect!

Abiotic stress, growth, nutrient uptake

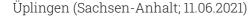
Organic NK fertiliser with anti-stress effect and unique formulation of three natural ingredients:

- Amino acids
- Algae extract
- Humic and fulvic acids

Lebosol®-Silicon – Formulation is a key to an effective foliar applications!

Lebosol®-Silicon contains silicon in the form of stabilised orthosilicic acid. This is being absorbed without any restrictions via the leaf and can thus be quickly moved into the plant tissue.

Trial in winter wheat with Lebosol®-Silicon







Control

Variant with Lebosol®-Silicon

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.



beratung@lebosol.de Send us an email.



Download now - the Lebosol[®] App! Current and exclusive test results, explanatory videos on product handling and much more.

Available on Google Play and in the App Store.

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





www.lebosol.de/en

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As of: April 2025

Cereals · Cereals · Cereals · Cereals · Cereals · Cereals



More than 30 years of experience in plant nutrition

Foliar fertilisation in cereals

Optimal nutrient supply



sustainable plant nutrition

Our recommendations for the optimal nutrient supply in cereals:

For what?	What?	When?					
		BBCH 00	From 3-leaf stage BBCH 13	Stocking BBCH 21 – 29	Shooting to flag leaf BBCH 30 – 45	Earshift BBCH 51 – 58	Until beginning of flowering BBCH 59 – 61
✓ Seed treatment with nutrients for improved development at early stages	Lebosol®-Total Care or Avitar®	0.2 - 0.5 l/dt					
 ✓ Development at early stages and promotion of root growth ✓ Energy and water balance ✓ Stem stability 	Lebosol®-Silicon		2 times 0.5 l/ha				
 ✓ Improving flower quality and frost tolerance ✓ Yield 	Lebosol®-Boron		2 times 0.5 l/ha				
 ✓ Reduction of drought stress ✓ Leaf quality ✓ Water balance 	Lebosol®-Manganese 500 SC + Bo Lebosol®-Zinc 700 SC		1 – 2 times 0.5 l/ha + 0.5 l/ha				
 ✓ Stem stability ✓ Vitality ✓ N-efficiency 	Lebosol®-Copper 350 SC		1 – 2 times 0.25 – 0.5 l/ha				
 ✓ Vitality and Yield ✓ N-efficiency ✓ Better frost tolerance 	Lebosol®-Cereal-Mix SC		2 – 3 times 1 – 2 l/ha				
 ✓ Revitalization ✓ Improving of stress tolerance ✓ Protein content 	VITALoSol® GOLD SC		1 – 3 times 2 – 5 l/ha				
 ✓ Photosynthesis efficiency ✓ Protein content ✓ Grain yield 	Lebosol®-MagSOFT SC		1 – 3 times 3 – 5 l/			l/ha	

Top 3 most unique Lebosol[®] products for cereals:



VITALoSol[®] GOLD SC

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



Lebosol[®]-Total Care

Anti-stress effect due to the addition of Aminosol® Ingredients: 120 g/l N, 10 g/l P₂O₅, 35 g/l K₂O



Lebosol[®]-Cereal-Mix SC

Optimal for cereals with the most essential nutrients Ingredients:

30 g/l N, 200 g/l MgO, 25 g/l Cu, 180 g/l Mn, 80 g/l Zn

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.

Briefly explained -

Important elements and their key functions in cereal 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.

Potassium boosts resistance to stress. drought, and frost. Key function in water management (turgor regulation).

Phosphorus is an energy carrier and promotes root formation.

Boron is important for flower quality, grain set and frost tolerance. It also supports potassium uptake.

Magnesium promotes phosphorus uptake and ensures green leaf colour.

Zinc is important for flower quality. 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) and it can contribute to the better frost tolerance.

+ The cereals respond good to **Sulphur** for effective use of nitrogen to stabilise yield and quality.

