



Lebosol 

More than 30 years of experience in plant nutrition

Foliar fertilisation in cereals

Optimal nutrient supply

sustainable plant nutrition



High yields and quality 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 Üplingen (Sachsen-Anhalt; 11.06.2021)



Control



Variant with Lebosol®-Silicon

Briefly explained

Important elements and their key functions in cereal cultivation

- ✿ **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.
- ✿ **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.



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 (BIO)		2 times 0.5 l/ha				
✓ Reduction of drought stress ✓ Leaf quality ✓ Water balance	Lebosol®-Manganese 500 SC + Lebosol®-Zinc 700 SC		1 – 2 times 0.5 l/ha + 0.5 l/ha				
✓ Stem stability ✓ Vitality ✓ N-efficiency	Lebosol®-Copper 350 SC (BIO)		1 – 2 times 0.25 – 0.5 l/ha				
✓ Vitality and Yield ✓ N-efficiency ✓ Better frost tolerance	Lebosol®-Cereal-Mix SC		2 – 3 times 2 l/ha				
✓ Revitalization ✓ Improving of stress tolerance ✓ Protein content	VITALoSol® GOLD SC (BIO)		1 – 3 times 2 – 5 l/ha				
✓ Photosynthesis efficiency ✓ Protein content ✓ Grain yield	Lebosol®-MagSOFT SC				1 – 3 times 3 – 5 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

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.

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



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