

Key facts about foliar fertilisation

Legumes are gaining importance due to various features and characteristics such as nitrogen fixation (increasing soil nitrogen levels) and a break crop in the crop rotation (improving soil organic matter and structure). In order to fully use their positive potential and be better prepared for the effects of climate change, it is important to support their cultivation. Only plants that are well and adequately nourished can maximize their yield potential. In addition, sunburn, as a consequence of strong radiation is becoming more prevalent, which reduces the photosynthetic capacity of leaves. Foliar fertilisation ensures effective and rapid nutrient supply, even under unfavorable weather conditions.

Lebosol®-Molybdenum – Enhancing nitrogen efficiency

Molybdenum is an essential trace element for plants as it plays a central role in nitrogen fixation. Without an adequate supply of molybdenum, plants cannot utilize nitrogen, which restricts their growth and development.

Here are the key advantages of Lebosol®-Molybdenum:

- ✓ Targeted and fast foliar supply of molybdenum
- ✓ Activates the enzyme complex nitrogenase, promoting plant growth
- ✓ FiBL listed: Suitable for use in organic farming in Germany



Avitar® – Triple effect!

Abiotic Stress, Growth, Nutrient uptake

Organic NPK fertiliser with anti-stress effect and a unique formulation consisting of three natural components:

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



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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Lebosol






More than 30 years of experience in plant nutrition

Foliar fertilisation in legumes

Optimal nutrient supply



Our recommendations for optimal nutrient supply in your legumes are as follows:

For what?	Which product?	When and how often?			
		Germination to emergence BBCH 00	From the 4th to the 9th leaf stage unfolded BBCH 14 – 19	Elongation BBCH 30 – 39	End of flowering BBCH 69
✓ Seed treatment with nutrients for enhanced early-stage development	Avitar® 	0,2 – 0,5 l/dt			
✓ Improves stress tolerance ✓ Vitality	Avitar® 		1 – 2 times 3 l/ha		
✓ Reduction of drought stress ✓ Stem stability ✓ Flower and fruit set	Lebosol®-Silicon + Lebosol®-AqueBoron SC 150		1 – 2 times 0,5 l/ha + 1 l/ha		
✓ Improvement of nodulation ✓ N efficiency ✓ Leaf quality	Lebosol®-Molybdenum 		1 – 2 times 0,25 l/ha		
✓ Water balance ✓ Reduction of radiation stress (antioxidant)	Lebosol®-Manganese 500 SC + Lebosol®-Zinc 700 SC 		1 – 2 times 1 l/ha + 1 l/ha		
✓ Revitalization ✓ Strengthening of stress tolerance ✓ N efficiency	VITALoSol® GOLD SC 		1 – 3 times 2 – 5 l/ha		
✓ Photosynthetic performance ✓ Leaf quality ✓ Vitality	Lebosol®-MagSOFT SC		1 – 2 times 3 – 5 l/ha		

Top 3 of the most unique Lebosol® products for legumes:



Avitar®

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



Lebosol®-Molybdenum

Enhancing nitrogen efficiency
Ingredients:
215 g/l Mo



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 for legumes

- ✿ **Potassium** strengthens resistance to stress, drought and frost.
- ✿ **Phosphorus** is energy 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 leaf greening.
- ✿ **Zinc** is important for flower quality. It makes plants more resistant to radiation stress (less sunburn).
- ✿ **Manganese** improves the utilisation of available nitrogen and is therefore involved in protein formation. It also makes plants more resistant to dry phases and radiation stress (less sunburn) and strengthens frost tolerance.
- ✿ Among other things, the plant needs **sulphur** for the effective use of nitrogen to stabilise yield and quality.
- ✿ Although **silicon** is not a nutrient, it helps plants to regulate their water balance. It promotes root formation and therefore phosphorus and potassium uptake. It also plays an important role in strengthening stress tolerance.

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.

