

## Things to know about foliar fertilisation

Increasing weather extremes are leaving its mark on oilseed rape cultivation. The question we are being asked: „Why is oilseed rape not making use of its growth potential?“ One possible answer is balanced nutrition. Only a plant that has been fed adequately can utilize the full biological yield potential, even if a deficiency is not visible at first (hidden hunger situation). Foliar fertilisation ensures an effective and rapid supply of nutrients even under unfavourable weather 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



### Lebosol®-Silicon – The key in effective foliar nutrition is the formulation!

Lebosol®-Silicon contains silicon as stabilised orthosilicic acid. This is absorbed without restriction through the leaf and can be rapidly integrated into the plant tissue.

#### Trial in oilseed rape with Lebosol®-Silicon

Rotenburg an der Fulda (Hessen; 08.07.2020)



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.

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



**www.lebosol.de/en**

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Oilseed Rape · Oilseed Rape · Oilseed Rape · Oilseed Rape



**Lebosol**

**More than 30 years of experience in plant nutrition**

**Foliar fertilisation in oilseed rape**

Optimum nutrient supply





Our recommendations for the optimal nutrient supply in oilseed rape:

For what?	Which product?	When and how often?					
		Germination BBCH 09	Leaf development BBCH 14 – 20	Side shoots formation BBCH 21 – 29	Stem elongation BBCH 30 – 39	Pre flowering BBCH 50 – 58	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					
✓ Promotion of root development at early stages ✓ Energy and water balance ✓ Stem stability	Lebosol®-Silicon		2 times 0.5 l/ha				
✓ Flower quality and fruit set ✓ Improved frost resistance ✓ Yield	Lebosol®-Boron / Lebosol®-AqueBoron SC 150		2 – 3 times 2 l/ha				
✓ Yield ✓ N-efficiency and oil content ✓ Reduction of radiation stress (antioxidant)	Lebosol®-Oilseedrape-Mix SC / Lebosol®-RapsMix SC		2 – 3 times 2 l/ha				
✓ Flower quality and fruit set ✓ N-efficiency and oil content ✓ Reduction of radiation stress (antioxidant)	Lebosol®-Manganese 500 SC + Lebosol®-Zinc 700 SC			1 – 2 times 1 l/ha + 1 l/ha			
✓ N-efficiency ✓ Vitality ✓ Leaf quality	Lebosol®-Molybdenum			1 – 2 times 0.25 l/ha			
✓ Revitalisation ✓ Strengthening stress tolerance ✓ N-efficiency and oil content	VITALoSol® GOLD SC / Lebosol®-Sulphur 800 SC			1 – 3 times 3 – 5 l/ha			
✓ Photosynthesis performance ✓ Leaf quality ✓ Vitality	Lebosol®-MagSOFT SC			1 – 2 times 2 – 5 l/ha			

Top 3 most unique Lebosol® products for oilseed rape cultivation:



**Lebosol®-Oilseedrape-Mix SC**  
For maximum nutrient uptake and a healthy crop  
**Ingredients:** 130 g/l CaO, 135 g/l S, 60 g/l B, 70 g/l Mn, 7 g/l Mo



**Lebosol®-AqueBoron SC 150**  
Produced according to the latest findings in formulation technology  
**Ingredients:** 150 g/l B, 62 g/l Na



**Lebosol®-Sulphur 800 SC**  
An efficient product for stable plants  
**Ingredients:** 800 g/l S

Briefly explained – Important elements and their key functions in oilseed rape 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 flower quality, seeds set and frost tolerance. It also supports potassium uptake.
- ✿ **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 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.
- ✿ Oilseed rape 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.

