



Lebosol 

More than 30 years of experience in plant nutrition

Foliar fertilisation in oilseed rape

Optimum nutrient supply

sustainable plant nutrition



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

Briefly explained

Important elements and their key functions in oilseed rape cultivation

- ✿ **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.



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 (BIO)		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 (BIO)			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 (BIO)			1 – 3 times 3 – 5 l/ha			
✓ Photosynthesis performance ✓ Leaf quality ✓ Vitality	Lebosol®-MagSOFT SC			1 – 2 times 3 – 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

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.

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



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