

## Leaf fertilisation –

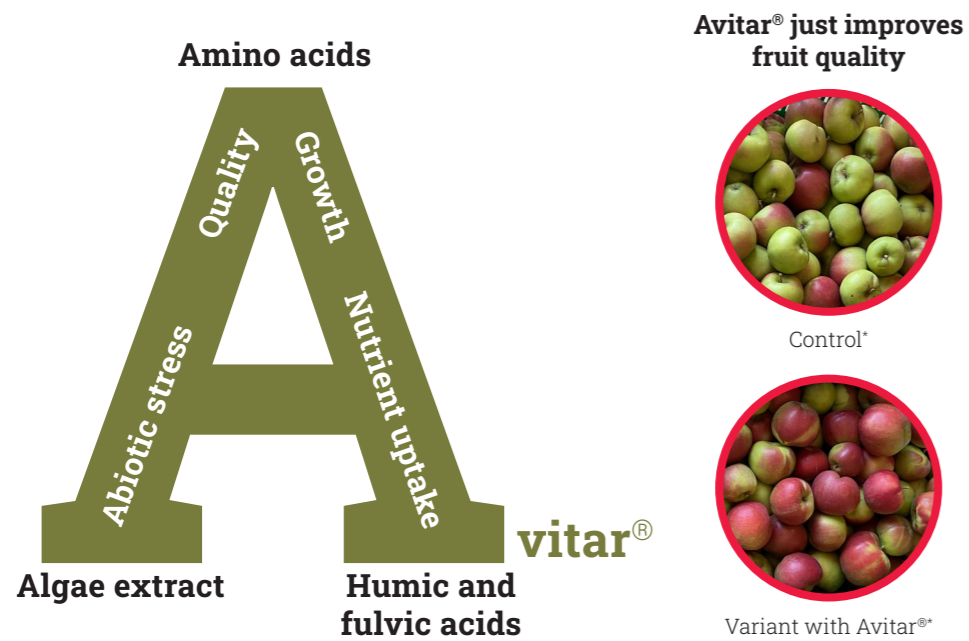
Optimal nutrient supply via the leaf

Foliar fertilisation ensures an effective and rapid supply of nutrients for crops in key growth stages when they are needed, also for better fruit quality and improved shelf life.

Climate change is leaving its marks on pome fruit cultivation. Sunburn is occurring much more frequently than 10 years ago. Periods of drought happen more often, which can reduce the number of fruits per tree and the fruit size. These situations also can induce nutrient deficiency. Even if this is not visible at first, it affects the quality of the fruit and later the performance of the trees.

## Avitar® – triple effect!

Unique formulation of three natural ingredients



\*trial Thuringia, Germany 2020



## 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.



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**Lebosol** 

More than 30 years of experience in plant nutrition





**Foliar fertilisation in pome fruit**

The optimal nutrient supply

sustainable plant nutrition



## Our recommendations for the optimal nutrient supply in pome trees cultivation:

For what?	Which product?	When and how often?						
		Pink bud	Bud swelling	End of flowering	Hazelnut size	Walnut size	Fruit development to ripeness	Post-harvest
<ul style="list-style-type: none"> <li>✓ Reduction of russeting</li> <li>✓ Fruit set</li> <li>✓ Fruit size and colouring</li> </ul>	<b>Aminosol®</b> 	2 times 5 – 7,5 l/ha						2 times 2 l/ha
<ul style="list-style-type: none"> <li>✓ Flower quality</li> <li>✓ Fruit set</li> <li>✓ Calcium transport</li> </ul>	<b>Lebosol®-Zinc 700 SC + Lebosol®-Robustus SC</b>	2 – 4 times 0,25 – 0,5 l/ha + 2 l/ha					2 times 0,5 l/ha + 2 l/ha	
<ul style="list-style-type: none"> <li>✓ More vitality (e.g. during frost for flowering)</li> </ul>	<b>Aminosol® + Lebosol®-Robustus SC + Lebosol®-Potassium 450</b>	1 – 2 times 2 l/ha + 2 l/ha + 5 l/ha						
<ul style="list-style-type: none"> <li>✓ Reduction of radiation stress</li> <li>✓ Leaf quality</li> <li>✓ Green background colour</li> </ul>	<b>Lebosol®-Manganese 500 SC</b> 	2 – 4 times 0,5 – 1 l/ha						
<ul style="list-style-type: none"> <li>✓ Photosynthesis performance</li> <li>✓ Prevents premature leaf fall</li> <li>✓ Leaf quality</li> </ul>	<b>Lebosol®-Magnesium 400 SC</b> 	1 – 2 times 3 – 5 l/ha			2 – 3 times 3 – 5 l/ha			
<ul style="list-style-type: none"> <li>✓ Reduction of drought stress</li> <li>✓ Shelf life</li> </ul>	<b>Lebosol®-Silicon</b>		2 – 4 times 1 l/ha					
<ul style="list-style-type: none"> <li>✓ Smooth fruit skin</li> <li>✓ Colouring</li> <li>✓ Reduction of radiation stress</li> </ul>	<b>Avitar®</b> 			3 – 4 times 4 – 6 l/ha				
<ul style="list-style-type: none"> <li>✓ Fruit firmness</li> <li>✓ Shelf life</li> </ul>	<b>Lebosol®-Calcium-Forte SC</b>			4 – 6 times 4 – 8 l/ha				
<ul style="list-style-type: none"> <li>✓ Fruit colouring</li> <li>✓ Fruit firmness and size</li> <li>✓ Winter hardiness</li> </ul>	<b>Lebosol®-PK-Max</b>				2 – 4 times 6 – 8 l/ha			

### Top 3 of the most popular Lebosol® products for pome fruits:



#### Avitar®

Organic NK fertiliser with Anti-stress effect  
**Ingredients:**  
 47 g/l N, 24 g/l K<sub>2</sub>O



#### Lebosol®-Calcium

Rich calcium chloride solution for firm fruits  
**Ingredient:**  
 220 g/l CaO



#### Lebosol®-Robustus SC

The nutrient mix for robust plants  
**Ingredients:**  
 125 g/l N, 214 g/l CaO,  
 100 g/l B, 25 g/l MgO

### Briefly explained – Important elements and their key functions in pome fruits

✓ **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** provides better resistance to drought and frost. However, it also plays an important role in the colouring of the fruits as well as can determine the fruit size.

✿ **Phosphorus** secures the yield, improves quality and is also important for the colouring.

✿ **Calcium** is needed to stabilise the cell walls and cell membranes. In pome fruits, it helps to improve shelf life.

✿ **Boron** is important for the quality of the blossoms, the fruit set and the frost tolerance of the blossoms and it also supports calcium absorption. Therefore, it increases shelf life.

✿ **Magnesium** promotes & influences growth dynamics, acts as a phosphorus carrier and maintains green and vigorous new growth.

✿ **Zinc** is important for flower quality and it makes the plants more resistant to radiation stress (less sunburn).

✿ **Manganese** improves the use of the available nitrogen and makes the plants more stable in times of drought and radiation stress (less sunburn).

✿ **Silicon** is not a nutrient. However, it supports the trees in regulating the water balance, promotes phosphorus and calcium uptake.

