

WUXAL® Boron

BY AGLUKON

The highly concentrated foliar fertilizer to overcome boron deficiency in a rapid and safe way

Description

Wuxal Boron is a new suspension for foliar fertilization which guarantees an extremely efficient uptake of boron into the leaf and blossom tissue.

Wuxal Boron is more than just a boron-fertilizer: it has a stimulating effect upon plants under physiological stress in their early growth and is well compatible with pesticides. Result: Higher yield, better quality.

Wuxal Boron buffers the pH-value of the spray solution down to a level which is physiologically well acceptable to plants. Wuxal Boron is especially recommended for fruit crops, viticulture, vegetables and arable crops in which a deficiency of boron very often occurs together with "hidden" deficiencies of further micronutrients.

Wuxal Boron reduces russetting in sensitive varieties of pome fruit and at the same time supports the cell division rate by its high P- and N- content. Result: optimum fruit growth.

Wuxal Boron includes special additives that guarantee good rainfastness and excellent adhesiveness even under adverse climatic conditions.

Key benefits of WUXAL Boron

- highly efficient and easy to handle
- significantly higher boron efficiency due to the penetrant effect of nitrogen and phosphorus
- excellent buffering of the spray solution (pH 6.5) thus well compatible with pesticides
- may partly substitute oil
- improves resistance to drought stress of young agricultural crop plants (e. g. 6 - 10 leaf stage)
- guarantees phosphate supply via the leaf under unfavorable conditions such as cold spring, drought periods etc.

Contents

NP fertilizer suspension with micro-nutrients. For foliar fertilization.

	% w/w		g/l
8	% N	Total nitrogen	110
		5.5 % N ammoniacal	
		2.5 % N carbamide	
10	% P₂O₅	Phosphate	137
4.36	% P	Phosphorus	59.8
7.0	% B	Boron	95.9
0.05	% Cu	Copper	0.69
0.1	% Fe	Iron	1.37
0.05	% Mn	Manganese	0.69
0.001	% Mo	Molybdenum	0.014
0.05	% Zn	Zinc	0.69

The cationic micronutrients (iron, copper, manganese and zinc) are fully chelated (EDTA).

Physicochemical properties

Density: 1.37 g/cm³

pH-value: approx. 6.8

Precautions and Liability

When storing the product, temperatures below -5°C (23°F) and above +40°C (104°F) as well as frequent temperature fluctuations should be avoided. Considerable changes in temperature and/or too low temperatures can cause crystallization. The crystals will however easily dissolve again in the spray solution. Prolonged storage may also cause colour change and a reversible phase separation. Neither crystallization nor colour change will in any way affect the product quality as regards the desired physiological effect.

When mixing with pesticides for the first time, test on a small scale before general use.



The highly concentrated Boron suspension fertilizer

Additional nutrients promote early plant or fruit growth

Packaging

10 l bucket, 100 l drum

Fields of application and rates of use

Crop	No. and Timing of Applications	Rate of use
Sugar beets	Against heart and dry rot, for higher sugar yield 2 applications: <ul style="list-style-type: none"> • 4 - 6 leaf stage • shortly before crop cover 	2 - 5 l/ha
Oilseed rape	Unsatisfactory pod and seed setting, for higher oil yield 2 applications: <ul style="list-style-type: none"> • extension growth • budding until start of flowering 	2 - 5 l/ha
Maize	Additional corn yield, optimum quality 1 - 2 applications: <ul style="list-style-type: none"> • early growth, 4 - 5 leaf stage • start of stem elongation; 7 - 9 leaf stage 	2 - 3 l/ha
Pome fruit	Blossom quality and softer skin 3 applications: <ul style="list-style-type: none"> • flowering • cell division phase • post-harvest 	1 - 2 l/ha
Stone fruit	Fruit setting, blossom strengthening 2 applications: <ul style="list-style-type: none"> • start of full-blossom • post-harvest 	2 - 3 l/ha
Viticulture	Blossom drop (coulure) 2 applications: <ul style="list-style-type: none"> • before blossom • end of flowering 	2 - 3 l/ha
Field Vegetables (esp. cabbage; carrots, celery, beans, peas, radish, lettuce)	Optimum quality 2 - 3 applications: <ul style="list-style-type: none"> • generally 2 - 3 weeks after planting resp. emergence, repeat in 8 - 10- day intervals • cabbage: 4 - 6 leaf stage, start of head formation 	2 - 3 l/ha
Olive	Optimum quality and yield increase 1 - 2 applications: <ul style="list-style-type: none"> • 2 - 4 weeks before flowering 	2 - 3 l/ha
Sunflower	Yield increase 1 - 2 applications: <ul style="list-style-type: none"> • before flowering 	1 - 2 l/ha
Citrus	Optimum quality and yield increase 1 application: <ul style="list-style-type: none"> • before flowering 	0.1 - 0.2 % (1 - 2 ml)
Kiwifruit	1 Application: <ul style="list-style-type: none"> • pre-flower, <i>IN RESPONSE TO LEAF TESTING ONLY</i> 	1 - 2 l/ha