

# WUXAL<sup>®</sup> Magnesium

BY AGLUKON

Premium crystal suspension concentrate for improving the magnesium and micronutrient supply to horticultural and arable crops and for prevention of physiological disorders such as grape stalk necrosis and premature leaf fall in viticulture and pome fruits.

## Description

**Wuxal Magnesium** is a novel, fluid foliar fertilizer for the control of magnesium and micronutrient deficiency in fruit crops, viticulture, vegetables, nurseries and arable crops.

**Wuxal Magnesium** is absorbed extremely rapidly through the foliage, is very safe and compatible with most pesticides.

**Wuxal Magnesium** contains a special oligo-peptide additive leading to much better wetting and optimal adhesiveness on the foliage. Thereby risk of wash-off from the foliage surface after heavy rain is very minimal in comparison to simple salts like magnesium sulphate.

**Wuxal Magnesium** is ideal for covering the specific nutritional needs of specialty crops.

## Key benefits of WUXAL Magnesium

- high magnesium and micronutrient content
- well-balanced micronutrient supply
- reduction of physiological stress through action of amino acids and peptides
- excellent crop safety
- extraordinary adhesiveness- no wash off from the foliage
- fluid formulation - easy handling
- optimum pH-value for leaf absorption
- improves plant health
- can be applied with all usual HV and LV spraying and sprinkling equipment
- compatible with most commonly used pesticides

## Contents

Magnesium suspension with micro-nutrients 12 MgO - 1.0 Mn - 0.7 Zn - 0.3 B- 5.6 S.

For foliar fertilization

% w/w		g/l	
<b>3.6</b>	<b>% N</b>	Nitrogen	54
		3.2 % N nitric	48
		0.2 % N ammoniacal	3
		0.2 % N organic (from amino acid)	3
<b>12</b>	<b>% MgO</b>	Magnesium	180
<b>7.2</b>	<b>% Mg</b>		108.5
<b>0.3</b>	<b>% B</b>	Boron	4.5
<b>1.0</b>	<b>% Mn</b>	Manganese	15
<b>0.7</b>	<b>% Zn</b>	Zinc	10.5
<b>4.3</b>	<b>% S</b>	Sulphur	84

## Physicochemical properties

Density:	1.5 g/cm <sup>3</sup>
pH-value:	approx. 5.0
Colour:	green

## 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 magnesium fertilizer*

*Plus a well-balanced micronutrient ratio.*

**Packaging**  
10l bucket, 100l drum

## Fields of application and rates of use

Crop	No. and Timing of Applications	Rate of use
Winter cereals	<u>Autumn:</u> start of tillering	5 l/ha
	<u>Spring:</u> start of stem elongation until inflorescence emergence	5 l/ha
Summer cereals	start at 3-leaf-stage until appearance of flag leaf	5 l/ha
Oilseed rape	from early spring until bud stage	5 l/ha
Sugar beets	5 - 6 leaf stage until 8 - 12- leaf stage	5 l/ha
Potatoes	bud formation until start of post-bloom period	5 l/ha
Peas	at bloom, particularly between 10 - 11-leaf stage until pod formation	3 - 5 l/ha
Hops	at each peronospora spray date	0.15 % (max. 0.3 %= 1.5 - 3 l/ha)
Grapes	after bloom, at grape closure and start of ripening	5 l/ha
Apples	before bloom and 1-2 x after walnut size	3 - 5 l/ha
Stone fruit	after bloom, repeat at fortnightly-intervals	3 - 5 l/ha
Strawberries	at start of vegetation and shortly before bloom	3 - 5 l/ha
Kiwifruit	2 applications at 14 day intervals (Vegetative bud burst to pre-flowering)	5 l/ha
Vegetables	repeatedly during periods of intense growth	3 - 5 l/ha
Nurseries	Preventive or curative applications	0,5 % (5 ml/l)
Turf Greens	2 - 3 applications as required in a minimum of 800 - 1000l Water per hectare.	10 l/ha (100ml / 100m <sup>2</sup> )
X-mas trees	1. when the new growth is 5 - 10 cm long	0.5 % (5 ml/l)
	2. when the new growth is 10 - 15 cm long	0.5 % (5 ml/l)