

WUXAL® Amino

BY AGLUKON

Liquid organic biostimulant for the revitalization of plants suffering from stress as well as for maintenance and improvement of pesticide efficacy

Description

Wuxal Amino is a newly developed, liquid organic biostimulant for a quick revitalization of plants suffering from stress. Wuxal Amino is an organic bio-stimulant and contains 9 % organically fixed nitrogen, which is completely available to plants. Wuxal Amino contains amino acids (648 g/l) as well as polypeptides.

Because of its extremely high adhesive as well as surfactant capacity, Wuxal Amino is able to stabilize or even increase the efficacy of pesticides.

Wuxal Amino mainly contains proline, alanine, glycine and threonine. In addition, Wuxal Amino contains a variety of different amino acids.

Wuxal Amino is used preferably for foliar fertilization, but can be used in fertigation as well.

Amino acids and peptides are precursors of enzymes and growth regulators, e.g. auxins. Wuxal Amino meets the requirements of the European Union for ecological farming.

Key benefits of Wuxal Amino

- effective for strengthening plants
- pure organic liquid formulation
- 100 % natural product
- produced from regenerative raw materials
- extremely high percentage of amino acids and polypeptides
- toxicologically completely safe
- easy to handle
- activates the metabolism of enzymes
- increases yield and quality of plants especially under stress conditions
- improves fruit set, distribution of fruit size and colour in top fruits
- complexing properties in relation to microelements
- strong adhesive characteristics
- activating power on pesticides and plant growth regulators

Contents

Organic nitrogen solution containing peptides and free amino acids.

% w/w		g/l
9.2 % N	Total nitrogen	110.0
	0.2 % N ammoniacal	
	9.0 % N organic	
24.2 % C	organic carbon	290
54.0 %	Total amino acids	648.0
	13.0 % Free amino acids	154.7

The organic nitrogen is derived from natural peptides and free amino acids

Physicochemical properties

Density:	1.2 g/cm ³
pH-value:	approx. 7
Colour:	amber

Precautions and Liability

When storing the product, temperatures below -5°C (23°F) and above +40°C (104°F) should be avoided. Keep the product in the original container till application.

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



9.2% organic N and 648 g/l of amino acids.

Strong adhesive effect for addition to pesticides



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Packaging
10 l, 20 l can, 200 l drum

Fields of application and rates of use

Crop	No of applications	Timing of applications	Rates of use [l/ha]
Pome fruit	3	green bud pre-blossom / balloon stage	2 l/ha 3 l/ha
	1	start of flowering post-harvest	3 l/ha 5 l/ha
Stone fruit	3	before bloom petal fall	3 - 5 l/ha 5 l/ha
Sweet cherries	4	yellowing of fruits red colouring	3 l/ha 3 l/ha
Plums / Prunes	4	Scharka treatments (plum pox virus) petal fall and at 30 day-intervals	5 - 10 l/ha (1 %)
Mango	3 - 4	start of flowering, fruit set, early cell enlargement	5 l/ha
Banana	3 - 4	shortly before, shortly after appearance of the inflorescence, at the initial fruit filling stages	5 l/ha
Pineapple	3 - 4	one week before flowering, at flowering, after fruit setting	5 l/ha
Strawberries	4	after planting in joint application with botrytis sprays	3 l/ha
Vegetables	3 - 4	2 - 3 weeks after planting or emergence resp. repeat at fortnightly-intervals	3 - 5
Viticulture	3 - 4	before and after bloom	3 - 5 l/ha
Kiwifruit	4	1 st at Vegetative Bud Burst 2 nd at Pre-flowering 3 rd at Post flowering 4 th at cell division stage (Applications should be repeated at 14 days apart.)	3 - 5 l/ha
Nurseries	according to actual demand	propagation of cuttings	0,25% - 0,30% (2.5 - 3.0 ml/l)
Protected cultivation	3 - 5	during stages of light nutritional demand	0,20% - 0,25% (2 - 2.5 ml/l)
Sugarbeets	3	in joint application with post emergence herbicides	2 - 3 l/ha
Potatoes	3	in joint application with post emergence herbicides	2 - 3 l/ha
Cereals	2 - 3	in joint application with fungicides	2 - 3 l/ha

Fertigation

Application at 20 - 30 day intervals or according to demand of the crop. It is generally recommended to apply the product at start of vegetative growth in order to promote root development. At the same time, root absorption of nutrient elements is promoted.

Fruit trees 6 - 8 l/ha

Vegetable crops 8 - 10 l/ha

Strawberries 8 - 10 l/ha

Ornamentals 90 - 100 ml / 100 m²

Rinse well fertigation plant with clear water after application!