

ADOB® ProFit 4-12-38 + micro Fruits and Vegetables










Characteristics

ADOB® ProFit 4-12-38 + micro, Fruits and Vegetables

is a multinutrient, multifunctional crystalline fertiliser. This fully water-soluble product is designed for foliar, fertigation and soilless applications to vegetable, floriculture and orchards crops. It supplies plants with the essential nutrients nitrogen (N), phosphorus (P), potassium (K), magnesium (Mg) and sulphur (S) and ensures optimal development of their aboveground parts. Thanks to its very high content of potassium (the quality nutrient), it stimulates the bulking up of fruits and tubers by boosting accumulation of carbohydrates and oils. It also contains all six micronutrients: boron (B), copper (Cu), iron (Fe), molybdenum (Mo), manganese (Mn) and zinc (Zn).

While copper, manganese and zinc are chelated by the modern biodegradable **IDHA**, iron is chelated by the potent chelator **DTPA**, which facilitates high stability and iron availability up to a pH of 7.5. Molybdenum (which cannot be chelated) is present as a water-soluble, inorganic component. As a result of these properties, all nutrients are readily and quickly available to all plants. Applying this nutrient-rich fertiliser from the early stages of fruits' growth ensures the optimal development of their biomass and improves their internal and external quality.

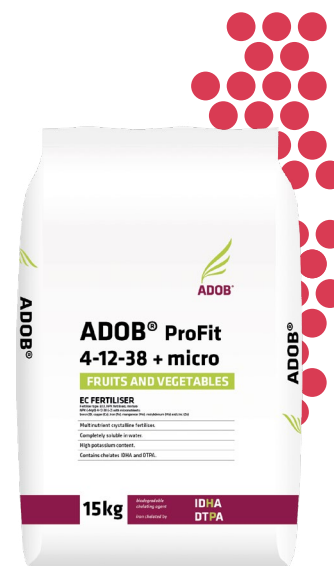
ADOB® ProFit 4-12-38 + micro, Fruits and Vegetables also boosts plants' vigour and reduces lodging. It effectively prevents nutrient deficiencies and enhances plant resistance to salinity and occasional water-stress conditions.

-  CE fertiliser
-  NPK fertiliser + micro
-  contains all micronutrients
-  high potassium content
-  wide-ranging nutrition
-  **IDHA** and **DTPA** chelated
-  100% chelation of micronutrients
-  fast dissolution and complete solubility

Composition

Composition – ADOB® ProFit 4-12-38 + micro Fruits and Vegetables

Nutrients	Symbol	Content [% w/w]	Form
Total nitrogen	N	4.0	
– nitrate nitrogen	N-NO ₃	2.0	
– ammonium nitrogen	N-NH ₄	2.0	
Phosphorus pentoxide	P ₂ O ₅	12.0	soluble in a neutral-pH solution of ammonium citrate and water
Potassium oxide	K ₂ O	38.0	soluble in water
Magnesium oxide	MgO	2.0	soluble in water
Sulphur oxide	SO ₃	4.2	soluble in water
Boron	B	0.05	soluble in water
Copper	Cu	0.1	chelated by IDHA
Iron	Fe	0.05	chelated by DTPA
Manganese	Mn	0.1	chelated by IDHA
Molybdenum	Mo	0.01	soluble in water
Zinc	Zn	0.1	chelated by IDHA



Packaging: 3, 15 kg



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Application recommendations

Application recommendations – ADOB® ProFit 4-12-38 + micro Fruits and Vegetables

Crops	Number of applications per season	Crop phenological stage	BBCH stage	Product application rate [kg/ha]	Spray solution application rate [l/ha]
Vegetable crops					
 Bulb vegetables e.g. onion, leek	1-2	development of harvestable vegetative plant parts	41-45	2-4	300-500
		development of harvestable vegetative plant parts	47-49	2-6	
 Cucurbits e.g. pumpkin, zucchini, cucumber	2	flowering and fruit development	61-79	4-5	
		ripening of fruit and seeds	81-89	4-5	
 Brassica plants e.g. cabbage, cauliflower, broccoli	1-2	development of harvestable vegetative plant parts	43-45	4-5	
		development of harvestable vegetative plant parts	46-49	4-5	
 Root vegetables e.g. carrot, celery, beet	2	development of harvestable vegetative plant parts	41-45	4-5	
		development of harvestable vegetative plant parts	46-49	4-5	
 Solanaceous e.g. tomato, pepper, early potato	2	inflorescence emergence, flowering, fruit development	51-79	4-5	
		ripening of fruit and seeds	81-89	4-5	
 Legumes e.g. bean	1	pod development	71-79	3-4	
Orchard crops					
 Stone-fruit trees e.g. sour cherry, sweet cherry	2-3	bud burst	53	2-4	500-800
		fruit development	71-79	4-5	
 Pome trees e.g. apple, pear	2-3	bud burst	53-54	2-4	
		fruit development	74-85	4-5	
 Soft fruits e.g. strawberry, blueberry	2-3	before flowering	55-59	4-5	300-500
		fruit development	71-79	4-5	
Plant Nursery	2-3	intensive growth	concentration 0.25% - 0.3%		
Fertigation of open-field orchards crops	apply as a water solution with concentration 0.05–0.3% (0.3 to 2 kg of fertiliser for 1000 l of water)				

Recommendations for use in fertigation and hydroponics – please contact ADOB's Gardening Department: horti@adob.com.pl

