ADOB® NPK Foliar 10-40-8 + micro

Characteristics

ADOB® NPK Foliar 10-40-8 + micro is a multinutrient, multi-functional crystalline fertiliser. This fully water-soluble product is designed for foliar, fertigation, and soilless applications to arable, vegetable, floriculture and orchard crops. It supplies plants with the essential nutrients nitrogen (N), phosphorus (P), potassium (K), magnesium (Mg) and sulphur (S), ensuring the optimal development of their aboveground parts. Due to its very high phosphorus content, **ADOB® NPK Foliar 10-40-8 + micro** stimulates root growth and flowering. It also contains all six micronutrients: boron (B), copper (Cu), iron (Fe), molybdenum (Mo), manganese (Mn) and zinc (Zn).

All micronutrients (except boron and molybdenum) are chelated by the modern, biodegradable **IDHA** agent, while boron and molybdenum (which cannot be chelated) are present as water-soluble, inorganic components. As a result, all nutrients are readily and quickly available to all crop plants. This unique combination of essential nutrients ensures the optimal development of plants' biomass, shoots, roots, flowers and fruits.

ADOB® NPK Foliar 10-40-8 + micro also boosts plants' vigour and improves their health. It effectively prevents nutrient deficiencies, especially under occasional stressful growth conditions.

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

Composition

Composition – ADOB® NPK Foliar 10-40-8 + micro

Nutrients	Symbol	Content [% w/w]	Form
Total nitrogen	N	10.0	
– ammonium nitrogen	$N\text{-}NH_4$	7.8	
– urea nitrogen	$N\text{-}NH_2$	2.2	
Phosphorus pentoxide	P_2O_5	40.0	soluble in a neutral-pH solution of ammonium citrate and water
Potassium oxide	K_2O	8.0	soluble in water
Magnesium oxide	MgO	3.0	soluble in water
Sulphur trioxide	SO_3	5.7	soluble in water
Boron	B	0.05	soluble in water
Copper	Cu	0.1	chelated by IDHA
Iron	Fe	0.05	chelated by IDHA
Manganese	Mn	0.1	chelated by IDHA
Molybdenum	Mo	0.01	soluble in water
Zinc	Zn	0.1	chelated by IDHA

Stability of the chelated fraction guaranteed at pH range 4-7.

Packaging: 10 kg

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Application recommendations

Application recommendations – ADOB® NPK Foliar 10-40-8 + micro

Crops	Number of applications per season	Crop phenological stage	BBCH stage	Product application rate [kg/ha]	Spray solution application rate [l/ha]
Arable crops					
Cereals	3-4	4-8 leaves	14-18	2	200-300
		tillering	25-29	3	
		first node to flag leaf	31-39	3	
		heading	51-59	2	
Rapeseed	3-4	4-8 leaves	14-18	3	
		beginning of stem elongation	30-31	3	
		3 to 8 visibly extended internodes	33-38	3	
		green bud	51-53	2-3	
Maize	2-3	4-6 leaves	14-16	2	
		6-8 leaves	16-18	2	
		stem elongation	31-34	3	
Potatoes	2-3	inter-row closure	31-39	4	
		tuber formation	40-49	4	
		fruit development	70-73	4	
Sugar beets	2	4-6 leaves	14-16	3	
		inter-row closure	32-39	3	
Soybean	1	inflorescence emergence and flowering	51-69	2	
Legumes	1	stem elongation	30-39	2	
Sunflower	1	4-8 leaves	14-18	2	
Vegetable crops					
Bulb vegetables	1	leaf development	13-15	3-4	300-500
Cucurbits e.g. zucchini	1	leaf development	13-15	3	
Brassica plants e.g. cabbage, cauliflower, broccoli	2	watering seedlings	11-13	1-2/1000 l	solution 0.1-0.2%
		leaf development	14-19	3-5	300-500
Root vegetables e.g. carrot, celery, beet	2	leaf development	11-13	1-2/1000 l	10-15 l/m^2
		leaf development	12-16	3	300-500
Leaf vegetables	1	leaf development	11-13	3	
Solanaceous e.g. tomato, pepper, early potato	3-4	watering seedlings	11-12	1-2/1000 l	solution 0.1-0.2%
		leaf development	13-15	3	300-500
		shoot elongation and tuber formation	31-49	4-5	
		inflorescence emergence and flowering	51-69	4-5	
Legumes e.g. bean, pea	2	leaf development	13-15	2-3	
		inflorescence emergence and flowering	51-69	2-4	
Orchard crops					
Stone-fruit trees e.g. sour cherry, sweet cherry	2-3	green bud	55	4-5	500-800
		fruit development	71-79	4-5	
Pome trees e.g. apple, pear	2-3	green bud	56	4-5	
		fruit development	74-85	4-5	
Soft fruits e.g. strawberry, blueberry	2-3	vegetation begining	10-13	4-5	300-500
		leaf development	15-19	4-5	
		before flowering	55-59	4-5	
Plant Nursery	2-3	intensive growth	concentration 0.25% - 0.3%		

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

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