

# ADOB® 2.0 Mn

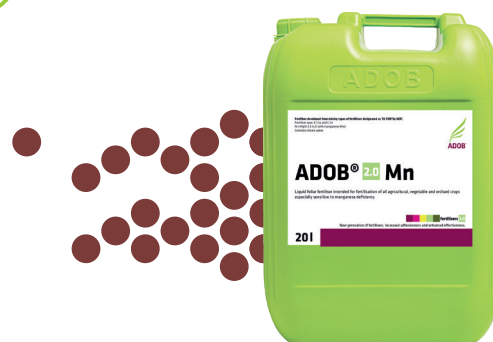


## Characteristics

ADOB® 2.0 Mn is a high-purity, oligo-nutrient fertiliser containing 10.1% manganese (Mn), 6.5% nitrate-nitrogen (N-NO<sub>3</sub>) and 2% magnesium (MgO). It is a homogeneous aqueous solution, which makes it user-friendly and ensures that nutrients are highly available to plants' leaves and roots. It can be applied through fertigation, hydroponics and foliar spray. It is especially suited to foliar application since the unique production "Technology 2.0" greatly enhances foliar uptake of manganese.

ADOB® 2.0 Mn controls and prevents manganese deficiency in all arable and horticultural crops and under all management methods, even in highly challenging conditions. Correction of manganese deficiency amends the physiological disorders connected with the insufficient activity of many enzymes which catalyse redox, decarboxylation and hydrolytic reactions. This in turn increases oil concentration in seeds and boosts plant resistant to root-infecting pathogens, directly boosting crop performance.

-  a mixture of various EC fertilisers
-  designed specifically for foliar application
-  fast and efficient Mn uptake
-  liquid fertiliser
-  Technology 2.0
-  contains nitrogen and magnesium
-  preventive and corrective effect
-  enhanced photosynthesis



Packaging: 10, 20, 1000 l

## Composition

### Composition – ADOB® 2.0 Mn

Nutrients	Symbol	Content [% w/w]	Content [% w/v]	Content [g/l]	Form
Total nitrogen	N	6.5	9.1	91.0	
– nitrate nitrogen	N-NO <sub>3</sub>	6.5	9.1	91.0	
Magnesium oxide	MgO	2.0	2.8	28.0	soluble in water
Manganese	Mn	10.1	14.1	141.0	soluble in water



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# Application recommendations

## Application recommendations – ADOB® 2.0 Mn

Crops	Number of applications per season	Crop phenological stage	BBCH stage	Product application rate [l/ha]	Spray solution application rate [l/ha]
<b>Arable crops</b>					
 Cereals	2	4-8 leaves	14-18	1	200-300
		tillering	25-29	1.5	
 Rapeseed	2	4-8 leaves	14-18	1	
		beginning of stem elongation	30-31	1	
 Maize	1	4-6 leaves	14-16	2	
 Potatoes	1	inter-row closure	31-39	2	
 Sugar beets	1	4-6 leaves	14-16	2	
 Soybean	1	development of side shoots and the main shoot	21-49	1	
 Legumes	1	stem elongation	30-39	1	
<b>Vegetable crops</b>					
 Bulb vegetables e.g. onion, leek	1-2	development of harvestable vegetative plant parts	41-45	1-1.5	300-500
		development of harvestable vegetative plant parts	46-49	1.5	
 Cucurbits e.g. pumpkin, zucchini, cucumber	1	leaf development	16-19	0.8	
 Brassica plants e.g. cabbage, cauliflower, broccoli	1-3	leaf development	14-16	0.5-1	
		rosette growth	31-39	1	
		development of harvestable vegetative plant parts	41-45	1	
 Root vegetables e.g. carrot, celery, beet	1	leaf development	14-16	1	
 Leaf vegetables e.g. lettuce, spinach	2	leaf development	14-19	0.5-1	
		development of harvestable vegetative plant parts	41-45	0.5-1	
 Solanaceous e.g. tomato, pepper, early potato	1-4	leaf development and formation of side shoots	13-29	1	
		shoot elongation and tuber formation	31-49	1	
		inflorescence emergence, flowering, fruit development	51-79	1	
 Legumes e.g. bean, pea	2-3	ripening of fruit and seeds, withering	81-91	1	
		leaf development	13-15	0.5	
		leaf development	16-19	1	
		development of side shoots	21-29	1	
<b>Orchard crops</b>					
 Stone-fruit trees e.g. sour cherry, sweet cherry	1-2	fruit development	72-79	0.3-0.6	500-800
 Pome trees e.g. apple, pear	1-2	fruit development	74-79	0.5-1	
 Soft fruits e.g. strawberry, blueberry	1-2	begining of vegetation, leaf development	10-19	0.2-0.4	300-500

