PhytoGreen®-Manganese Fertilisers

OUT OF MANGANESECARBONATE OR -SULFATE

Composition:

PhytoGreen®-Mn27: 27% Mn (500 g/l Manganese out of $MnCO_3$)

PhytoGreen®-ManganeseCarboxylate 10% water soluble Manganese (138 g/l Mn) **+ carboxylic acids**
CARBO-ECO Mn: 5% water soluble Manganese (58 g/l Mn) **+ carboxylic acids**

PhytoGreen®-Manganese150: 10,9% water soluble Manganese (150 g/l Mn) our of $MnSO_4$

Mode of action and advantages:

- Provide manganese immediately
- Correct and prevent the lack of manganese in any culture
- Formulated as high concentrated suspension or as water soluble carboxylates
- Improve quality, vitality and output

Recommendations for use and application rates:

	PhytoGreen®-Mn27	PhytoGreen®-ManganeseCarboxylat/ CARBO-ECO Mn Rates given are for Carbo-Eco. Take half for PhytoGreen®-ManganeseCarboxylate.	PhytoGreen®-Manganese150
General:	To provide manganese: 0,5-2 l/ha or 0,2-1,0% as foliar application.	To provide manganese: 2-5 l/ha as foliar application or 5-8 l/ha via the soil.	Marginal Deficiency: 2.0 l/ha in at least 200 litres of water. Moderate deficiency: 4.0 l/ha in at least 200 litres of water. Severe deficiency: 4.0 l/ha in at least 200 litres of water and repeat as necessary during the growing season.
Strawberries:	To provide manganese, for vitality and output: 1-2 applications with 1 l/ha from beginning of flowering until harvest.	1-2 foliar applications with 2 l/ha from beginning of flowering until harvest.	
Pip fruit:	For leaf quality, to provide manganese: several applications with 0,5-1 l/ha from hazelnut size up. To achieve a green back-ground colour: 3 applications with 0,5 l/ha from walnut size up.	To provide manganese: several foliar applications with 2-3 l/ha from hazelnut size up. To achieve a green back-ground colour: 3 foliar applications with 2 l/ha from walnut size up.	
Stonefruit:	For leaf quality: 1 l/ha from fruit setting up.	2-3 l/ha as foliar application from fruit setting.	
Vine:	To optimize photosynthesis: 2 - 3 applications with 1 l/ha as soon as flower clusters are visible.	2 - 3 foliar applications with 2-3 l/ha as soon as flower clusters are visible.	
Vegetables:	For leaf quality and resistance: 1-2 applications with 1 l/ha as soon as enough leaves are developed.	1-2 foliar applications with 2-3 l/ha as soon as enough leaves are developed.	
Potatoes:	To reduce the susceptibility to scab: 0,5 l/ha with dressing. For skin quality and output: 1-2 applications with 1 l/ha from 1 week after beginning of vegetation.	1-2 foliar applications with 2-3 l/ha from 1 week after beginning of vegetation up.	
Cereals:	For resistance to cold and lodging, for output: 1-2 applications with 0,5-1 l/ha from 2-leaf-stage on.	For resistance to cold and lodging, for output: 1 foliar applications in autumn with 2-3 l/ha from 2-leaf-stage.	
Sugar beet:	For resistance and output: 1-2 applications with 1 l/ha from 4-leaf-stage on.	2-3 foliar applications with 2 l/ha from 4-leaf-stage.	
Oilseed rape:	For resistance and output: 1-2 applications with 0,5-1 l/ha from 8-leaf-stage on.	For resistance and output: 1-2 foliar applications with 2-3 l/ha from 8-leaf-stage.	

Technical details:

PhytoGreen®-Mn27: Density: 1,81 kg/l; pH = 8,4
PhytoGreen®-ManganeseCarboxylat: Density: 1,38 kg/l; pH = 5
CARBO-ECO Mn: Density: 1,16 kg/l; pH = 1,76
PhytoGreen®-Mangan150: Density: 1,37 kg/l; pH = 4-7

PhytoGreen®-Mn27 and CARBO-ECO Mn are in compliance with Council Regulation (EC) No 2018/848 on organic farming.

Miscibility:
The products can be mixed with usual plant protection products.

Pack sizes:
1 l • 5 l • 10 l • 200 l • 1000 l