



Product information

BIO

MADE IN  
GERMANY

# Lebosol<sup>®</sup>-HeptaManganese

**Straight inorganic micronutrient fertiliser**

**Micronutrient complex fertiliser**

5% Manganese, water soluble, complexed by HGA (65 g/l Mn)

**Crops with nutrient deficiency will be more susceptible against diseases and abiotic stress. Foliar fertilization with macro-and micro-elements will ensure an optimized plant nutrition.**

Crop	Aim/Problem	Recommendation	Time
In all crops	To provide manganese, leaf quality, yield, water balance, photosynthesis rate, reduction in radiation stress (antioxidant).	Numerous applications of 2 – 4 l/ha (in at least 200 l water. Upon application with backpack sprayer 0.5 – 1%.)	When required
In all crops	To provide manganese, leaf quality, yield, water balance, photosynthesis rate, reduction in radiation stress (antioxidant).	Fertigation	Ask your consultant
In all crops	Seed dressing with nutrients for improved early growth development and vitality	0,2 – 0,4 l/dt	For seed/plant seed dressing
Cereals	N efficiency, vitality, tillering, stem stability, winter hardiness	2 – 4 times 2 – 4 l/ha	From 3-leaf-stage
Pasture land	N efficiency, vitality, tillering, stem stability, winter hardiness	2 – 5 times 2 – 4 l/ha	During the vegetation period
Potatoes	N efficiency, vitality, fast early growth development, skin quality	3 l/ha	As seed dressing
Potatoes	N efficiency, vitality, skin quality	2 – 4 times 2 – 4 l/ha	From 6-leaf stage
Legumes	N efficiency, increased vitality (e. g. in cold conditions)	2 – 3 times 2 – 4 l/ha	From 6-leaf stage

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sustainable plant nutrition



Crop	Aim/Problem	Recommendation	Time
Maize	N efficiency, increased vitality (e. g. in cold conditions)	1 – 2 times 2 – 4 l/ha	From 4-leaf stage
Oilseed rape	N efficiency, vitality, oil yield, winter hardiness	2 – 3 times 2 – 4 l/ha	From 4-leaf stage
Sunflowers	N efficiency, vitality, oil yield	2 – 4 l/ha	From 4-leaf stage
Sugar beet	N efficiency, increased vitality (e. g. in cold conditions)	1 – 3 times 2 – 4 l/ha	From 6-leaf stage
Strawberries	N efficiency, vitality, winter hardiness	2 – 4 times 2 l/ha	From green buds
Pome fruit	N efficiency, increased vitality (e. g. in cold conditions), fruit colouration	2 – 4 times 2 l/ha	Red bud until harvest
Stone fruit	N efficiency, increased vitality (e. g. in cold conditions)	2 – 3 times 2 l/ha	From fruit set
Soft fruit	N efficiency, increased vitality (e. g. in cold conditions)	2 – 3 times 2 l/ha	Start of shoot growth
Dessert grapes	N efficiency, increased vitality (e. g. in cold conditions)	2 – 3 times 2 l/ha	Inflorescences visible
Citrus fruits	N efficiency, increased vitality (e. g. in cold conditions)	2 – 3 times 2 l/ha	From white bud to harvest
Wine grapes	N efficiency, increased vitality (e. g. in cold conditions)	2 – 3 times 2 l/ha	Inflorescences visible
Medicinal plants, scented plants and spice plants	Leaf quality, N efficiency, increased vitality (e. g. in cold conditions), oil yield	2 – 4 times 2 – 4 l/ha	Once sufficient leaf mass has developed
General vegetables	N efficiency, increased vitality (e. g. in cold conditions)	2 – 4 times 2 – 4 l/ha	Once sufficient leaf mass has developed
Hops	N efficiency, vitality, winter hardiness	1 – 4 times 3 l/ha	From 0.5 m growth height
Tobacco	N efficiency, increased vitality (e. g. in cold conditions)	1 – 3 times 3 l/ha	From 4-leaf stage
Christmas trees	N efficiency, vitality, needle quality, winter hardiness	2 – 3 times 2 l/ha	From budding
Ornamental plants	Leaf quality, vitality	2 times 2 l/ha	Once sufficient leaf mass has developed
Greens	N efficiency, vitality, tillering, stem stability, winter hardiness	2 – 5 times 2 – 4 l/ha	During the vegetatio period
Nuts	N efficiency, increased vitality (e. g. in cold conditions), skin quality	2 – 5 times 3 l/ha	From swelling buds
Cotton	N efficiency, increased vitality (e. g. in cold conditions), winter hardiness	2 – 3 times 2 – 4 l/ha	From 4-leaf stage

Crop	Aim/Problem	Recommendation	Time
Rice	N efficiency, vitality, tillering, stem stability	2 – 5 times 2 – 4 l/ha	From 3-leaf-stage