Lebosol **Product information**

MADE IN GERMANY

Lebosol®-Manganese GOLD SC

Straight liquid inorganic macronutrient fertiliser
N (S) fertiliser 3,8 (+4,7) in suspension, with micronutrients

3.8% Total nitrogen as nitric nitrogen (60 g/l N)
4.7% Total sulphurtrioxide (1.9% S) (75 g/l SO3)
19.2% Total manganese (315 g/l Mn)
(12.2% As carbonate (200 g/l Mn); 7% As nitrate, water soluble (115 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 0,5 – 2 l/ha (in at least 200 l water. Upon application with backpack sprayer 0.25%.)	When required
In all crops	Seed dressing with nutrients for improved early growth development and vitality	0,05 – 0,2 l/dt	For seed/plant seed dressing
Cereals	N efficiency, vitality, tillering, stem stability, winter hardiness	2 – 4 times 1 – 2 l/ha	From 3-leaf-stage
Pasture land	N efficiency, vitality, tillering, stem stability, winter hardiness	2 – 5 times 1 l/ha	During the vegetation period
Potatoes	N efficiency, vitality, skin quality	2 – 4 times 2 l/ha	From 6-leaf stage
Legumes	N efficiency, increased vitality (e. g. in cold conditions), protein content	1 – 3 times 1 – 2 l/ha	From 6-leaf stage

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

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Crop	Aim/Problem	Recommendation	Time
	(e. g. in cold conditions), winter hardiness		
Rice	N efficiency, vitality, tillering, stem stability	1 – 3 times 1 – 2 l/ha	From 3-leaf-stage

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