

Product Information

Osmosol®

523

23+9+12+2MgO+TE

PRODUCT DESCRIPTION

The fertilizers within the Osmosol range contribute to a smooth production of high quality plants by means of a unique technique. It is designed for high demanding customers. Osmosol water soluble fertilizers help you correct problems related to hard- or soft-water. This built-in technology distinguishes Osmosol from other fertilizers!

The Osmosol range includes NPK formulas for application in hard and soft water. In both situations application of fertilizers is more convenient and the quality of your crop will improve because water related problems will minimize! This will result in healthier plants and cultivation without problems.

PRODUCT ADVANTAGES

- Complete NPK fertilizer; including calcium, magnesium and traces
- Improved trace element availability: enhanced levels in chelate form
- Keeps your irrigation system clean; no deposit on leaves
- Easy to use
- Controls the pH in the substrate by buffering HCO_3^- out of the irrigation water
- Safe and reliable for your plants
- 'Single-tank-mix' In one application all essential elements

DIRECTIONS FOR USE

Osmosol for hard water is developed to decrease the amount of bicarbonate in your water. This will help to keep the pH in your substrates at a good level. The high nitrogen analyses can be used during the main cultivation period.

RECOMMENDED APPLICATION OSMOSOL 523

To ensure that this product dissolves completely, prepare the stock solution 1-2 hours before use, stir well or use warm water. Please contact us for a specific crop recommendation.

Osmosol cannot be mixed with any other fertilizer containing calcium or phosphates, except phosphoric acid.

Store under dry conditions. Partly used or damaged bags should be closed well.



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Growing success

GUARANTEED ANALYSIS

23% TOTAL NITROGEN (N)
 11,4% Nitrate nitrogen
 7,9% Ammonical nitrogen
 3,7% Urea nitrogen

9% PHOSPHORUS PENTOXIDE (P₂O₅)
 Soluble in neutral ammonium citrate
 and in water, 9% water-soluble

12% POTASSIUM OXIDE (K₂O)
 12% Water-soluble


2,00% Magnesium oxide (MgO)
4,00% Sulphur trioxide (SO₃)
0,01% Boron (B)
0,004% Copper (Cu) chelated by EDTA
0,12% Iron (Fe) chelated by EDTA
0,03% Manganese (Mn) chelated by EDTA
0,004% Molybdenum (Mo)
0,01% Zinc (Zn) chelated by EDTA

PRODUCT CHARACTERISTICS

EC at 1 g/l (25°C):	1,2 mS/cm
Maximum solubility:	325g / liter water (25°C)
Acidity(A)/Basicity(B):	A 0,348 kg CaCO ₃ /kg Osmosol
Bag Coverage:	25 kg
Product code:	2174

ATTENTION

Trial first on a small scale before rate, application or other changes in your cultural practices are implemented. As circumstances can differ and as the application of our products is beyond our control, Scotts cannot be made responsible for any negative results.

Osmosol for hard water:		technical information				Mixing compatibility				
		EC-Value 1g/l.	Max. solubility	Acidifying effect (in mg/l HCO ₃)	Base equivalent in kg CaCO ₃	MgSO ₄ , KNO ₃ , MgNO ₃	Ca(NO ₃) ₂	Phosphoric acid	Nitric acid	Other compound fertilizers
Osmosol 523	23+9+12	1,2	325	-80	-0,348	yes	no	yes	yes	no
Osmosol 215	12+7+31	1,0	275	-62	+0,070	yes	no	yes	yes	no

Recommended Osmosol rates for Container Nursery stock

	100 % Osmosol	50 % Osmosol, 50 % Osmocote Exact
Crops with high fertilizer requirements	20 g/m ² /week	10 g/m ² /week
Crops with normal fertilizer requirements	15 g/m ² /week	7,5 g/m ² /week
Salt sensitive crops	10 g/m ² /week	5 g/m ² /week

OTHER AVAILABLE OSMOSOL PRODUCTS

Product name	Analysis	Water type
Osmosol 523	23+9+12	Hard water
Osmosol 215	12+7+31	Hard water
Osmosol 614R	18+7+12+6CaO	Soft water
Osmosol 215R	13+7+24+3CaO	Soft water
Osmosol 113R	11+11+36+2CaO	Soft water