

## Product Information

# Osmosol®

## 215R

### 13+7+24+3MgO+3CaO+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 and traces
- Improved trace element availability; enhanced levels in chelate form
- 'Single-tank-mix': in one application all essential elements
- Keeps your irrigation system clean; no deposit on leaves
- Easy to use
- Safe and reliable for your plants



#### DIRECTIONS FOR USE

Osmosol R-types for soft water are very suitable for use in recirculation systems. It supplies your plants with necessary calcium (soft water, for instance rain water doesn't contain calcium!) The high potassium analyses can be used for rapid and safe correction of potassium deficiency and at the end phase of the crop cycle.

#### RECOMMENDED APPLICATION OSMOSOL 215R

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.

Stock solutions of Osmosol have a low pH we recommend to rinse metal with water after it was in contact with the stock solution.

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

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Growing success

## GUARANTEED ANALYSIS

**13% TOTAL NITROGEN (N)**  
 10,7% Nitrate nitrogen  
 0,3% Ammonical nitrogen  
 2,0% Urea nitrogen

**7% PHOSPHORUS PENTOXIDE (P<sub>2</sub>O<sub>5</sub>)**  
 Soluble in neutral ammonium citrate  
 and in water, 7% water-soluble

**24% POTASSIUM OXIDE (K<sub>2</sub>O)**  
 12% Water-soluble


**3,00% Magnesium oxide (MgO)**  
**3,00% Calcium oxide (CaO)**  
 0,01% **Boron (B)**  
 0,004% **Copper (Cu)** chelated by EDTA  
 0,35% **Iron (Fe)** chelated by EDTA  
 0,03% **Manganese (Mn)** chelated by EDTA  
 0,004% **Molybdenum (Mo)**  
 0,010% **Zinc (Zn)** chelated by EDTA

## PRODUCT CHARACTERISTICS

EC at 1 g/l (25°C):	1,0 mS/cm
Maximum solubility:	250g / liter water (25°C)
Acidity(A)/Basicity(B):	B 0,104 kg CaCO <sub>3</sub> /kg Osmosol
Bag Coverage:	25 kg
Product code:	2176

## 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 soft water:		technical information				Mixing compatibility				
		EC-Value 1g/l.	Max. solubility KG per 1000 l	Acidifying effect (in mg/l HCO <sub>3</sub> )	Base equivalent in kg CaCO <sub>3</sub>	Ca(NO <sub>3</sub> ) <sub>2</sub> , MgNO <sub>3</sub>	MgSO <sub>4</sub>	Phosphoric acid	Nitric acid	Other compound fertilizers
Osmosol 614R	18+7+12+6CaO	1,1	325	-46	-0,085	yes	no	yes	yes	no
Osmosol 215R	13+7+24+3CaO	1,0	250	-44	+0,104	yes	no	yes	yes	no
Osmosol 113R	11+11+36+2CaO	1,2	325	-22	+0,152	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 <sup>2</sup> /week	10 g/m <sup>2</sup> /week
Crops with normal fertilizer requirements	15 g/m <sup>2</sup> /week	7,5 g/m <sup>2</sup> /week
Salt sensitive crops	10 g/m <sup>2</sup> /week	5 g/m <sup>2</sup> /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