

# Osmocote<sup>®</sup> 5

16-8-12+2.2MgO+TE



## Oxide Analysis

<b>16%</b>	<b>Nitrogen Total (N)</b>
7.2%	Nitrate nitrogen (N-NO <sub>3</sub> )
8.8%	Ammoniacal nitrogen (N-NH <sub>4</sub> )
<b>8%</b>	<b>Phosphorus Pentoxide (P<sub>2</sub>O<sub>5</sub>)</b>
6.0%	Water soluble
<b>12%</b>	<b>Potassium Oxide (K<sub>2</sub>O)</b>
12.0%	Water soluble
<b>2.2%</b>	<b>Magnesium Oxide (MgO)</b>
0.6%	Water soluble
<b>0.30%</b>	<b>Iron (Fe)</b>
0.30%	Water soluble
0.30%	Chelated by EDTA
<b>0.05%</b>	<b>Manganese (Mn)</b>
0.05%	Water soluble
0.05%	Chelated by EDTA
<b>0.01%</b>	<b>Boron (B)</b>
0.01%	Water soluble
<b>0.015%</b>	<b>Copper (Cu)</b>
0.015%	Water soluble
0.015%	Chelated by EDTA
<b>0.010%</b>	<b>Molybdenum (Mo)</b>
0.010%	Water soluble
<b>0.012%</b>	<b>Zinc (Zn)</b>
0.012%	Water soluble

Osmocote 5 brings the latest controlled-release technology to growers. These 5th generation, Programmed Release fertilizers guarantee efficient, safe and consistent plant nutrition. Osmocote 5 3-4M is specially designed for cultivars with a short growing season.

## Characteristics

**longevity** 3-4 unit\_months

**granule\_size** 3.0mm

## Advantages

- More efficient and effective uptake of applied plant nutrition thanks to the NutriMatch-Release technology. It matches the NPK release pattern and the plant's needs with more precision than ever before.
- Best possible plant color, health and growth with the OTEA-system. It optimizes the availability of trace elements in the growing media and their uptake by plants.
- Highest nutrient release efficiency.
- Highest safety for plants.
- Highest consistency: every bag of the product is identical.
- Red colored granules for recognition of 3-4M longevity.

## Directions For Use

1. It is recommended to mix the product into the growing medium to ensure optimal distribution of the granules.
2. It is not recommended to apply 3-4M longevity in the planting hole.
3. In case applied Micromax Premium dosage rates are higher than 200 gram/m<sup>3</sup> growing medium and combined with Osmocote 5, please contact your ICL technical advisor for detailed recommendations.
4. Osmocote 5 can be combined with Peters and Universol water-soluble fertilizers. For tailored recommendations, please consult your ICL technical advisor. The longevity of Osmocote 5 3-4M is affected by temperature. (Product longevity is determined at 21°C)

16°C	21°C	26°C
4-5M	3-4M	2-3M

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

## Recommended Rates

	Average nutritional need	High nutritional need	Minimum recommended base rate (in case additional water soluble fertilizers are applied)
Container nursery stock and perennial crops (covered cultures)	1-1.5 g/l	2-2.5 g/l	1 g/l
Container nursery stock and perennial crops (uncovered cultures)	2-2.5 g/l	3-3.5 g/l	2 g/l
Pot plants	2-2.5 g/l	3-3.5 g/l	2 g/l
Bedding/balcony plants	2-3 g/l	3-3.5 g/l	2 g/l

**Important:** Maximum recommended starter fertilizer dosage in the growing medium is 0.5 kg/m<sup>3</sup>. Rates for Osmocote are based on pot volumes. In case of repotting into bigger pots, dilution effect should be compensated by increasing dosage rate in fresh growing medium.

For plant-specific recommendations please consult your ICL Specialty Fertilizers advisor.

The above mentioned recommended rates are based on unfertilized substrates. Please be aware that these are general recommendations. Specific situations such as use in tunnels, green-houses, or specific climate conditions require adjustments. This product is not recommended for dibbling and/or autumn/winter pottings. Contact your ICL Specialty Fertilizers advisor for more detailed advice.

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, ICL Specialty Fertilizers cannot be made responsible for any negative results.

## Characteristics

**longevity** 3-4 unit\_months

**granule\_size** 3.0mm

## Attention

Store the product in a cool, dry and ventilated place. As circumstances can differ and as application of products is beyond our control, ICL Specialty Fertilizers cannot be held responsible for any negative results. With this publication, all previously given recommendations expire. Before a new rate, product or application method is used, a small-scale trial is recommended. Ask your local ICL Specialty Fertilizers dealer or the ICL Specialty Fertilizers representative in your country or area for more information or recommendations. Consult [www.icl-sf.com](http://www.icl-sf.com) for your contact in the region.

Distributed by:

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