

Csmocote[®]
5



**Small granule,
big impact.**

ICL
www.icl-sf.com

Osmocote 5.

The next generation controlled release fertilizer

Discover the latest innovation from the Osmocote Green Lab: Osmocote 5. Building on years of research and development, this next generation controlled release fertilizer helps growers create the strongest, healthiest, highest quality plants. Thanks to the OTEA-system and NutriMatch-Release, plants are greener, stronger and more resilient. So much technology in such a small granule. Looking to make a big impact? [Choose Osmocote 5.](#)

Osmocote 5 advantages for growers

1

Excellent plant quality, from potting until the end of the season, when plants are delivered

2

Extraordinary leaf color, thanks to the OTEA-system, which supplies trace elements in an entirely new way

3

Nutrients supplied exactly when the plant needs them, through NutriMatch-Release technology, generating healthier plants of a higher quality, with improved branching, earlier budding, and improved leaf color

4

Greater disease resistance, thanks to smooth and steady plant growth enabled by NutriMatch-Release technology, which doses lower nutrient levels at the start of the crop growth, and later accelerates during the main growing season

5

A uniform crop, as a result of safe and consistent nutrient release



Straight from the Osmocote Green Lab

For over 50 years, we have continuously invested in Osmocote product development, creating products to support growers in creating stronger, more resilient, and greener plants.

Osmocote®

Osmocote coating technology

- ✓ 100% coated NPK
- ✓ Full range of longevities available

The original

Controlled Release Fertilizer

1st generation coated fertilizer

Osmocote Pro

Additional to Osmocote:

- + Trace element package included in the granules
- + Orange/white color tracer for easy recognition

Proven performance

Controlled Release Fertilizer

2nd generation coated fertilizer

Osmocote Exact

Additional to Osmocote Pro:

- + Pre-defined release patterns
- + Designed to perform in every situation - always
- + Meets highest quality standards
- + Highest safety for plants
- + Premium trace element package included
- + Color tracer for each longevity for easy recognition

The safest Osmocote ever

3-4 **5-6** **8-9** **12-24**

Standard Seasons

Controlled Release Fertilizer

3rd generation coated fertilizer

Osmocote Exact DCT

Additional to Osmocote Exact:

- + DCT (Double Coating Technology) included. Innovative technology which enables programmed release patterns.

And of course featuring all unique benefits of Osmocote Exact.

Especially suitable for challenging growing conditions.

Taking fertilizers to a higher level

Protect High K

Controlled Release Fertilizer

4th generation coated fertilizer

Osmocote 5

Additional to Osmocote Exact DCT:

- + **OTE A-system** (Optimized Trace Element Availability) Better plant growth throughout the season. Ultra small portions of Trace Elements come available to the plant, every day.
- + **NutriMatch Release** (NutriMatch Release) Plants benefit from optimal NPK availability throughout the growing season. NutriMatch Release is the ultimate step in synchronizing NPK availability with plant need.

Osmocote 5 is programmed to have lower release at the beginning after potting for safe plant development, accelerating during the main growing season. (Osmocote 5 does not contain DCT.)

Establishing the new standard

Scurred

Controlled Release Fertilizer

5th generation coated fertilizer



Technologies & features

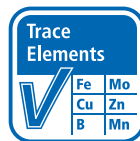
Every granule of Osmocote 5 contains...



NutriMatch-Release technology for an NPK release pattern that matches the plant's needs closer than ever before. It makes the uptake and use of the applied plant nutrition even more efficient and effective.



With over 50 years of experience and continuous development, Osmocote 5 is the **5th generation** of innovative Osmocote controlled release fertilizer.



Osmocote 5 offers a complete package of **trace elements** essential for plant growth.



The ingenious **OTEA-system** optimizes the availability of trace elements in the growing media and their uptake by plants. Resulting in the best possible leaf color and growth, and greater disease resistance.



The latest technology for growers.

Osmocote 5 brings the latest controlled release technology to growers. These 5th generation, programmed release fertilizers guarantee efficient, safe and consistent plant nutrition.

Product characteristics

Appearance: 100% coated granules

Packaging: 25kg preprinted bag with PE-inliner

Granule size: 2.0-4.5 mm

NPK and MgO analysis Osmocote 5

16-8-12+2.2MgO+TE

N	16%
P	8%
K	12%
MgO	2.2%

Chelated trace elements in Osmocote 5

Osmocote 5 contains a full package of essential trace elements in chelated form.

B	0.01%	
Cu	0.015%	EDTA
Fe	0.30%	DTA
Mn	0.05%	EDTA
Mo	0.010%	
Zn	0.012%	EDTA

Longevity



Osmocote 5 **3-4**

16-8-12+2.2MgO+TE



Osmocote 5 **5-6**

16-3.5-10+1.3Mg+TE



Osmocote 5 **8-9**

16-3.5-10+1.3Mg+TE



Osmocote 5 **12-14**

16-3.5-10+1.3Mg+TE

Application methods

- 1 **Mixing into growing media by your growing media supplier** (recommended)
- 2 **Dosing in growing media bunker at the nursery during potting** (recommended)
- 3 **Plant hole dibbling/side dibbling**
 - Plant hole application is possible, but in general mixing is preferred and recommended. When plant hole dibbling, apply a longevity of at least 5-6M or longer
 - Always apply some substrate on top of the granules dosed in the planting hole before putting young plants on top
 - After planting, flush with water
 - Consult your ICL technical advisor before side dibbling

Directions for use

- For salt-sensitive plants use lower recommendation rates
- For covered CNS use 1 g/l less than with open cultivation
- Current dosage rates of **Osmocote Exact Hi.End** are recommended for **Osmocote 5**. Please contact your ICL technical advisor for tailored advice.



Rate recommendations

Longevity	Crop	Normal plant need	High plant need	Minimum base rate	Dosage on label
3-4M	CNS	2-2.5	3-3.5	2	1-3.5
	Pot & bedding plants	2-3	3-3.5	2	2-3.5
	Soft fruit	2-3.5	4-5	2	1.5-5
5-6M	CNS	3-3.5	4-5	2-3	2-5
	Pot plants	3-4	4-5.5	2-3	2-3.5
	Soft fruit	3-4	5-6	2-3	2-6
8-9M	CNS	4.5-5.5	5.5-7	3-4	3-7
	Pot plants	4.5-5.5	5.5-6.5	3-4	3-6.5
	Soft fruit	4.5-5.5	5.5-6.5	3.5-4.5	3.5-6.5
12-14M	CNS	5-6	6-7	3-4	3-7
	Pot plants	5-6	6-7	4-5	5-7
	Soft fruit	5-6	6-7	3.5-4.5	4.5-7

Trial results

1

Better root growth after 1st month

Osmocote 5 trial in Chrysanthemum, Romania 2020

Left: Osmocote 5 5-6M 3 g/l
Right: Osmocote Exact Hi.End 5-6M 3 g/l



2

Perfect coloring

(Osmocote 5 trial Germany 2020)



3

Better branching and overall plant development

Osmocote 5 trial in Prunus lusitanica, Germany 2020

Left: Other 8-9M CRF
Right: Osmocote 5 8-9M



Pépinières Combés



Main crops

Nerium oleander, Viburnum tinus, Lavandula, Rosmarinus

Production size

280.000 plants annually in pots from 3 – 12 l, and 2 ha open-field

Mathieu has been working with Osmocote fertilizers for years, so instead of starting a small-scale trial with Osmocote 5, Mathieu repotted 75% of his production with the new product:

“It was a full-scale test, showing even better coloration and even better growth in the month of August, with Osmocote 5.”



Mathieu Combés
Purchasing manager



Franco Maimone
production manager & co-owner

“We were able to eliminate any additional fertigation by slightly increasing the Osmocote 5 dosage and still safely obtain solid, healthy and colorful plants with optimal root development.”

Vivai del Mela



Main crops

Nerium oleander

Production size

20 ha

H. Lüers Baumschulen und Pflanzenhandel



Main crops

Conifers, Calluna, Conica, Deciduous trees, Rhododendron, grasses

Production size

40 ha

With around 1.6 million plants in 40 varieties produced each year, Calluna vulgaris is one of Lüers' main crops. Thorsten trialed Osmocote 5 for this crop.

“We like the consistent and good supply of nutrients to our crops. We have a very uniform, well-colored stock. This fully ties in with what we have come to expect from Osmocote. We therefore decided to pot our entire Calluna and Erica production with Osmocote 5 in 2020, and we intend to carry this on to the Rhododendron crops.”



Thorsten Lüers
Owner

<< Local dealer information

ICL
P.O. Box 40
4190 CA Geldermalsen
Netherlands
Tel: +31 (0) 418 655 700
Fax: +31 (0) 418 655 795
E-mail: info@icl-sf.com
www.icl-sf.com



Everris International B.V. (UK, Netherlands, Germany) is certified according ISO - 9001. Everris International B.V. Heerlen is also certified according ISO - 14001 and OHSAS - 18001. Everris International B.V. is a legal entity under ICL.

