

Osmoform[®]

A small homogeneous granule of slow release fertiliser that is released to the plant slowly by microbial activity for more reliable release



The Osmoform range has been developed as the ideal mixes for Premix and Topdress applications. They are high density, free flowing, granular fertilisers, with homogeneous NPK and Trace Elements. Osmoform Premix and Topdress formulations contain Chelated Iron as well as Iron Sulphate to provide quick 'green-up', even in cool conditions, while the elevated Nitrogen and Iron content delivers a healthy appearance with deep green foliage.



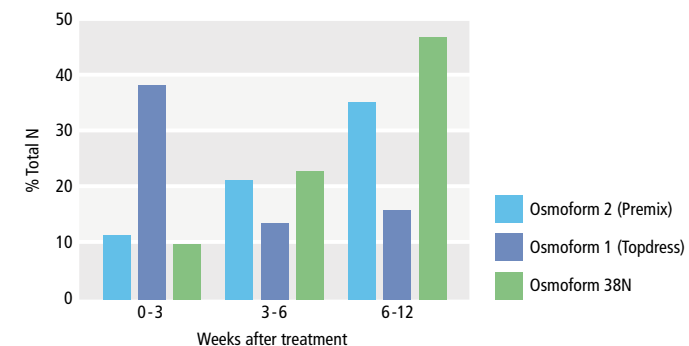
Osmoform is available in 4 formulations

- Osmoform 2 (Premix)** A superb starter for all media
- Osmoform 1 (Topdress)** A superb finisher for all topdressing
- Osmoform Topdress plus Hydraflo** A premium finisher when a wetting agent is beneficial
- Osmoform 38N** A starter or finisher when Nitrogen only is required

Osmoform product specification comparison

Osmoform	Analysis	Longevity	Code
Osmoform 2 (Premix) 20 kg	18+2.2+11 + trace elements	12-14 weeks	4004
Osmoform 1 (Topdress) 20 kg	19+2.2+11 + trace elements	8-12 weeks	4005
Osmoform 38N 22.7 kg	38+0+0	12-14 weeks	4001
Osmoform Topdress plus Hydraflo 20 kg	16.5+1.9+9.6+TE+ wetting agent	12-14 weeks	4003

Osmoform Nitrogen release rate comparison



Formulation improvements include:

- High overall nutrient analysis at low cost
- Smaller, free flowing particles for faster response, even distribution (within growing medium) and superior soil surface adhesion for topdress application
- Balanced NPK analysis with high Nitrogen component
- Nitrogen supplied in quickly soluble and methylene urea slow release forms
- Provides excellent starter effect and longer-term slow release nutrition
- Improved trace element inclusions to better suit Australian and New Zealand potting media

Osmoform 38N

A Nitrogen boost for your plants

Osmoform 38N fertiliser is a nitrogen only slow release fertiliser which is released over an extended period of time (up to 14 weeks).

Osmoform 38N uses

- Incorporation in woodwaste (including pine bark) potting media to provide a sustained nitrogen source to overcome nitrogen drawdown by the microbial actions of the media for up to 14 weeks
- Topdressing of existing potted plants where only nitrogen is required to green (18% more N than IBDU), especially for plants sensitive to phosphorus

Osmoform 38N application rates

	Low N draw	High N draw
Premix	0.3-0.7 kg/m ³	0.5-1.0 kg/m ³
Topdressing	0.3-0.5 g/L	0.5-0.7 g/L

Osmoform 2 (Premix)

A superb starter for all media

The usual eight pre-plant fertiliser additions to potting media can be replaced with only one, Osmoform 2 (Premix).

Scotts Osmoform 2 (Premix) counteracts nutrient drawdown (by biological activity in the media) and provides a rapid start for young plants. The formula also eliminates workplace dust problems, weighing mistakes, and improves nutrient distribution – even for small tray applications. Plus, Scotts patented slow release system is activated by microbial activity, matching the nutrient needs of the potting mix.

Recommended rates of application add a low level of Manganese to complement the inherently high level often present in many pine barks.

Osmoform 2 (Premix) key features and benefits

- Longest term slow release nitrogen available (up to 14 weeks)
- Contains all additions necessary to provide an ‘up-front’ charge to all potting media, supplying a balanced NPK and all essential trace elements
- Nitrogen release designed to ‘feed the mix’ and overcome Nitrogen drawdown particularly in wood-waste potting media

Osmoform 2 (Premix) application rates

	Media Characteristic		
	NDI > 0.7 (Premium)	NDI 0.5 - 0.7	NDI < 0.5 (Hungry)
General nursery stock			
Vigorous	1.5 kg/m ³	1.7 kg/m ³	2.0 kg/m ³
Low vigour	1.0 kg/m ³	1.5 kg/m ³	1.7 kg/m ³
Phosphorus sensitive			
Moderately sensitive	0.75 kg/m ³	1.0 kg/m ³	1.5 kg/m ³
Very sensitive	0.5 kg/m ³	0.75 kg/m ³	1.0 kg/m ³
Seedlings			
Tubestock	0.7 kg/m ³	1.0 kg/m ³	1.2 kg/m ³
Forestry	0.75 kg/m ³	1.0 kg/m ³	1.2 kg/m ³
Vegetables	0.5 kg/m ³	0.75 kg/m ³	1.0 kg/m ³

Osmoform[®]



Osmoform 1 (Topdress)

A superb finisher for all Topdressing

For established plants, Osmoform 1 (Topdress) is a brilliant pick-me-up for use in spring or prior to sale.

The high levels of readily available Iron Chelate and the balanced ratio of N:K provide deep green leaf without excessive soft growth. As a slow release fertiliser (up to 12 weeks), Osmoform 1 (Topdress) doesn't allow excessive Nitrogen leaching when watered, and is therefore more effective and environmentally friendly. When topdressed and watered, Osmoform 1 (Topdress) will stick to the soil surface and not roll off (even if the pot is blown over) making it more efficient and economical.

Osmoform 1 (Topdress) Key features

- Balanced N:K ratio for greening without excessive soft growth
- 10-12 week topdress Nitrogen release that's safe, and risk free
- Fast acting formulation and good slow release activity
- High Iron analysis with fast acting Iron Chelate – works well in all seasons, for dark green foliage
- Sticks to the top of the pot

Osmoform 1 (Topdress) application rates

Pot size			
(in litres)	(in mm)	Vigorous	Sensitive
0.5L	100mm	2g	1g
1L	150mm	6g	3g
3L	175mm	9.5g	4.5g
5L	200mm	13g	6g
8L	250mm	25g	12g
12L	300mm	40g	20g

Osmoform 1 (Topdress) plus Hydraflo[®]

A unique and convenient combination

A unique combination of topdress slow release fertiliser and wetting agent in one convenient application.

Now it's twice as easy to 'green-up' your plants. Osmoform Topdress is now available combined with Hydraflo Wetting Agent. Osmoform Topdress plus Hydraflo is a high analysis NPK plus trace element topdress fertiliser for use on potted plants and in-ground stock. While you're fertilising your plants, the wetting agent can improve the soil conditions so the plants' uptake of the fertiliser is optimised. The soil in pots gradually changes after potting, reducing in its ability to maintain uniform soil moisture and hence the plants' access to the fertiliser.

Hydraflo Wetting Agent key features

- The ideal summer rewetter and winter drainer
- Uniform wetting to avoid summer dry patches
- Long-term performance enables rewetting of dry soils
- Aids infiltration and drainage for deeper, stronger roots
- Safe for use on all ornamental plants when used as directed

Osmoform Topdress plus Hydraflo application rates

	Light feeding crops	Medium feeding crops	Heavy feeding crops
Pot plant	0.7g/L	1g/L	1.3g/L
Container nursery stock	1g/L	1.3g/L	2g/L