

## Nutrition of container-grown hardy nursery stock

### Example fertiliser products



AHDB Factsheet 05/19 **Nutrition of container-grown hardy nursery stock** provides key practical information for making decisions concerning crop nutrition, including:

- The essential nutrient inputs required for quality plant growth
- Creating growing media specifications and an effective fertiliser strategy
- The types of fertilisers and delivery methods available to achieve optimal crop performance
- The influence of irrigation water alkalinity and growing media pH on nutrient availability
- Guidance on monitoring available nutrients throughout the growing season

The information presented in the following tables builds on the factsheet by providing a range of example fertiliser products for use in the production of container-grown hardy nursery stock by delivery method. *The product list in each category is extensive, but not exhaustive, and any product omission does not imply criticism.*

#### 1. Products for incorporation into the growing medium

<b>Base fertiliser products</b>	
<i>Product</i>	<i>N:P:K (Mg) ratio (TE - trace elements)</i>
DCM Eco-mix 4	7-7-10
DCM Micro-mix	0-0-0+TE
Osmocote Start	11-11-17+MgO+TE
Sincrostart	12-14-24+MgO+TE
Start&Gro	14-16-18+TE
Vitax Supagro NB	5-7-10+TE
Yara PG Mix 12-14-24	12-14-24+MgO+TE
Yara PG Mix 14-16-18	14-16-18+MgO+TE
Yara PG Mix 15-10-20	15-10-20+MgO+TE

<b>Controlled release fertiliser products</b>		
<i>Product</i>	<i>N:P:K (Mg) ratio</i>	<i>Longevity</i>
Basacote Hi K 6M	11-11-16+TE	6 months
Basacote Hi K 9M	11-11-16+TE	9 months
Basacote Mini 3M	13-6-16+TE	3 months
Basacote Mini 6M	13-6-16+TE	6 months
Basacote Plus 3M	16-8-12+TE	3 months
Basacote Plus 6M	16-8-12+TE	6 months

Basacote Plus 9M	16-8-12+TE	9 months
Basacote Plus 12M	15-8-12+TE	12 months
Basacote Plus LR 16M	15-8-12+TE	16 months
Horti-Cote Plus CRF	16-6-13+TE	2 months
Horti-Cote Plus CRF	14-10-18+TE	4 months
Horti-Cote Plus CRF	16-6-11+TE	6 months
Horti-Cote Plus CRF	13-10-18+TE	8 months
Horti-Cote Plus CRF	15-6-12+TE	8 months
Horti-Cote Plus CRF	15-6-11+TE	12 months
Horti-Cote Plus CRF	14-5-11+TE	16 months
Multicote 4	10-48-0	4 months
Multicote 4	14-14-16+TE	4 months
Multicote 4	15-7-15+MgO+TE	4 months
Multicote 6	18-6-12+TE	6 months
Multicote 6	15-7-15+MgO+TE	6 months
Multicote 8	17-7-14+TE	8 months
Multicote 8	15-7-15+MgO+TE	8 months
Multicote 12	20-5-12+TE	12 months
Multicote 12	14-7-14+MgO+TE	12 months
Multicote 16	17-5-14+TE	16 months
Multicote 16	14-7-14+MgO+TE	16 months
Nutricote T70	14-14-14+TE	3 months
Nutricote T100	18-6-8+TE	5 months
Nutricote T140	18-6-8+TE	12 months
Nutricote T180	18-6-8+TE	14 months
Nutricote T270	18-6-8+TE	20 months
Nutricote T360	18-6-8+TE	24 months
Nutricote T540	18-6-8+TE	36 months
Osmocote Bloom	12-7-18+TE	2-3 months
Osmocote Exact Hi.End	15-9-12+MgO+TE	5-6 months
Osmocote Exact Hi.End	15-9-11+MgO+TE	8-9 months
Osmocote Exact Hi.End	15-8-11+MgO+TE	12-14 months
Osmocote Exact High K	12-7-19+TE	3-4 months
Osmocote Exact High K	12-7-19+TE	5-6 months
Osmocote Exact High K	12-7-19+TE	8-9 months
Osmocote Exact High K	12-7-19+TE	12-14 months
Osmocote Exact Mini	15-9-11+MgO+TE	3-4 months
Osmocote Exact Mini	15-9-11+MgO+TE	5-6 months
Osmocote Exact Protect	14-8-11+MgO+TE	8-9 months
Osmocote Exact Protect	14-8-11+MgO+TE	12-14 months
Osmocote Exact Standard	16-9-12+MgO+TE	5-6 months
Osmocote Exact Standard	15-9-11+MgO+TE	8-9 months
Osmocote Exact Standard	15-9-11+MgO+TE	12-14 months
Osmocote Exact Standard Lo Start	15-8-11+MgO+TE	16-18 months
Osmocote Iron	0-0-0+Fe	3-4 months
Osmocote PrePlant	17-9-10+MgO+TE	8-9 months
Osmocote Pro	19-9-10+MgO+TE	3-4 months
Osmocote Pro	19-9-10+MgO+TE	5-6 months
Osmocote Pro	18-9-10+MgO+TE	8-9 months
Plantacote Top N	19-6-12+S	4 months

Plantacote Top N	19-6-12+S	6 months
Plantacote Top N	18-6-12+S	8 months
Plantacote Top N	18-6-12+S	12 months
Sincrocell 6	14-9-14+MgO+TE	6 months
Sincrocell 6 Top K	10-9-19-MgO+TE	6 months
Sincrocell 9	14-8-14+MgO+TE	9 months
Sincrocell 9 Top K	9-9-19+MgO+TE	9 months
Sincrocell 12	14-8-13+MgO+TE	12 months
Sincrocell 15	14-8-13+MgO+TE	15 months

## 2. Products for liquid feeding

<b><i>Water soluble fertiliser products</i></b>	
<i>Product</i>	<i>N:P:K (Mg) ratio</i>
HortiMix Soft Water	12-4-25+MgO+CaO+TE
HortiMix Soft Water	13-5-20+MgO+CaO+TE
HortiMix Soft Water	15-5-15+MgO+CaO+TE
HortiMix Standard	11-42-11+MgO+TE
HortiMix Standard	12-3-40+MgO+TE
HortiMix Standard	15-7-30+MgO+TE
HortiMix Standard	19-19-19+MgO+TE
HortiMix Standard	22-7-22+MgO+TE
HortiMix Standard	28-6-12+MgO+TE
HortipHix 12-6-36	12-6-36+MgO+TE
HortipHix 15-7-30	15-7-30+MgO+TE
HortipHix 21-7-21	21-7-21+MgO+TE
O-Mix 11-42-11	11-42-11+MgO+TE
O-Mix 12-4-40	12-4-40+MgO+TE
O-Mix 12-6-36	12-6-36+MgO+TE
O-Mix 15-5-30	15-5-30+MgO+TE
O-Mix 18-6-24	18-6-24+MgO+TE
O-Mix 18-18-18	18-18-18+MgO+TE
O-Mix Adjust 15-5-30	15-5-30+MgO+TE
O-Mix Adjust 18-18-18	18-18-18+MgO+TE
O-Mix Adjust 20-8-0	20-8-0+MgO+TE
O-Mix Adjust 27-7-11	27-7-11+MgO+TE
Peters Allrounder	20-20-20+MgO+TE
Peters Blossom Booster	10-30-20+MgO+TE
Peters Combi Sol	6-18-36+MgO+TE
Peters Foliar Feed	27-15-12+MgO+TE
Peters Grow-Mix	21-7-21+MgO+TE
Peters Hi-Nitro	30-10-10+TE
Peters Plant Finisher	9-9-36+MgO+TE
Peters Plant Starter	10-52-10+MgO+TE
Peters Potassium Booster	12-0-43+TE
Peters Power P	9-40-25+TE

Peters Winter Grow Special	20-10-20+TE
Sangral Clarity 1-1-1	20-20-20+MgO+TE
Sangral Clarity 1-1-3	7-12-36+MgO+TE
Sangral Clarity 3-1-1	30-10-10+MgO+TE
Sangral Clarity 3-1-3	17-6-17+MgO+TE
Sangral Clarity 3-1-6	15-5-35+MgO+TE
Sangral Clarity 3-2-6	13-6-26+MgO+TE
Sangral Clarity Select 3-1-3	16-6-17+MgO+TE
Sangral Clarity Select 3-2-6	13-6-26+MgO+TE
Solufeed 1-0-3	13-0-39+MgO+TE
Solufeed 1-1-1	18-18-18+MgO+TE
Solufeed 1-1-3	12-12-36+MgO+TE
Solufeed 1-5-1	9-51-9+MgO+TE
Solufeed 2-1-2	18-7-18+MgO+TE
Solufeed 2-1-4	15-7-32+MgO+TE
Solufeed 4-1-2	28-7-14+MgO+TE
Solufeed 5-1-5	22-4-22+MgO+TE
Universol Blue	18-11-18+MgO+TE
Universol Green	23-6-10+MgO+TE
Universol Orange	16-5-25+MgO+TE
Universol Violet	10-10-30+MgO+TE
Universol White	15-0-19+MgO+TE
Universol Yellow	12-30-12+MgO+TE
Vitafeed Acid 3-1-3	21-7-21+MgO+TE
Vitafeed Acid Balanced	18-18-18+MgO+TE
Vitafeed Acid High K	15-7-30+MgO+TE
Vitafeed Balanced	19-19-19+MgO+TE
Vitafeed High K	15-7-30+MgO+TE
Vitafeed High N	28-6-1+MgO+TE
Vitafeed High P	11-42-11+MgO+TE
YaraTera Kristalon Blue Label	19-6-20+MgO+TE
YaraTera Kristalon Brown	3-11-38+MgO+TE
YaraTera Kristalon Green Label	18-18-18+TE
YaraTera Kristalon Lilac Label	20-8-8+MgO+TE
YaraTera Kristalon Red	12-12-36+MgO+TE
YaraTera Kristalon Scarlet	7-12-36+MgO+TE
YaraTera Kristalon White Label	15-5-30+MgO+TE
YaraTera Kristalon Yellow	13-40-13+TE

### 3. Products for top-dressing

<b>Compound fertiliser products</b>	
<i>Product</i>	<i>N:P:K (Mg) ratio</i>
Vitax Supagro No 1	11-9-10
Vitax Supagro No 2	7-16-14

Vitax Q4	5-7-10+TE
Vitax Q4HN	10-7-10+TE
Vitax Q4 Top	11-5-12+MgO+TE
YaraLiva Tropicote	15-0-0+CaO

<b>Slow release fertiliser products</b>		
<i>Product</i>	<i>N:P:K (Mg) ratio</i>	<i>Longevity</i>
Enmag	11-21-9+MgO	8 months
Floranid N31 (IBDU)	31-0-0	2 months
Floranid Twin Permanent	16-7-15+TE	2 months
Nitroform	38-0-0	6 months
Osmoform NXT	22-5-11	2 months
Plantosan	20-10-15+MgO+TE	2 months
Sincron	16-7-15+MgO+S+TE	2 months
Triabon	16-8-12+MgO+TE	3 months

<b>Controlled release fertiliser products (tablets/plugs)</b>		
<i>Product</i>	<i>N:P:K (Mg) ratio</i>	<i>Longevity</i>
Basacote Tablets 6M	16-8-12+TE	6 months
Osmocote Exact Tablets	14-8-11+MgO+TE	5-6 months
Osmocote Exact Tablets	14-8-11+MgO+TE	8-9 months

See also shorter-term controlled release fertiliser products listed in section 1.

#### 4. Products for foliar feeding

<b>Foliar fertiliser products</b>	
<i>Product</i>	<i>N:P:K (Mg) ratio</i>
HortiFol Balanced	18-18-18+MgO+TE
HortiFol High-K	12-5-25+MgO+TE
HortiFol High-N	25-5-10+MgO+TE
HortiFol High-P	7-30-15+MgO+TE
Maxicrop Triple	3-1-3+TE
Maxicrop Natural	5-2-5
Omex Bio 20	13-13-13+TE
Peters Professional Foliar Feed	27-15-12+TE
Solufeed Tip Top Turbo	7-4-7+MgO+TE

A range of element-specific foliar fertiliser products are also available for treating nutrient deficiencies.