

THE BARE-ROOT TREE







he planting of trees in urban areas helps to stabilise the soil, prevents erosion and reduces the effects of air pollution. Trees reduce the run-off of storm water and aid land reclamation. They play host to a myriad of wildlife, particularly birds, help filter out pollutants in the air and offer a good canopy for shade on sunny days. Trees soften the urban landscape and increase the green space around us.

Coles Nurseries are the largest grower of trees for the urban and amenity landscape in the UK.

Actively supporting the promotion of tree planting by local authorities, landscapers and private individuals to sustain a greener urban landscape for many years to come, Coles are sponsors of GreenSpace (the Urban Parks Forum) and support activities by the Tree Council such as National Tree Week. Coles grow trees bare-root, in containers up to 65 litres and in Superoot Fielders™.

To ensure the tree-planting client can specify, order and receive trees and shrubs to their exact requirements, all Coles trees are supplied to the *National Plant* Specification (N.P.S), an industryrecognised standard that illustrates the size, form, height and stature to which a tree should conform. Copies of the N.P.S. are available in written format from the Horticultural Trades Association, or visit www.gohelios.co.uk for the electronic equivalent, the Helios Plant Selector, which should form the foundation of any plant specifier's toolkit.



NATIONAL PLANT SPECIFICATION - TREES

	(at 1m above soil)	
eathered Tree		1.75m/2m
eathered Tree		2/2.5m
ght Standard	6/8cm	2.5/3m
tandard	8/10cm	2.5/3m
elected Standard	10/12cm	3/3.5m
eavy Standard	12/14cm	3.5/4m
xtra Heavy Standard	14/16cm	4/4.5m
t	eathered Tree ght Standard candard elected Standard eavy Standard	eathered Tree ght Standard 6/8cm sandard 8/10cm elected Standard 10/12cm eavy Standard 12/14cm



COLES FACT SHEET 1 THE BARE-ROOT TREE

Why choose a bare-root tree from Coles?



They are the most cost-effective and environmentally-friendly way of creating an instant statement in any landscape.



Bare-root are easy to handle and plant, important when considering Health & Safety requirements on-site.



They are available from November to March in great variety, size and quantity.



They are available in many native species.



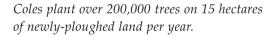
They will produce a strong root system and canopy growth if planted in its' right season.



They are less likely to sustain any root damage upon lifting than a rootballed variety, leaving a complete, intact root system.



Lifting on the nursery is quicker and easier, reducing handling costs.



Coles have over 150 hectares dedicated to tree production with over 1 million trees in over 200 varieties, including 20,000 fruit trees.

Specialist treecare is carried out by 25 full-time tree nurserymen, plus a 5-strong team for maintenance and estate management.

Coles spread 3,500 tons of farmyard manure as an organic nutrient base before ploughing each year.

2.5 container-loads of bamboo canes are pushed in the ground each year to support the newly-planted stock.

Over 100 kilos of Madagascan raffia ties the young trees and over 50 miles of tape and tubing is needed to secure them.

To prevent rabbits entering the tree lands and damaging the stock, there is over 10 miles of perimeter fencing.

At peak times, 1,500 trees are lifted per day.

To wrap the bare-root trees before dispatch, over 75,000 bags are used per year, tied with more than 50 large balls of baling string.

The annual Coles catalogue is available upon request by calling 0116 2412115 or emailing info@colesnurseries.co.uk. Alternatively, you can download the latest availability of all stocked trees and shrubs by visiting www.colesnurseries.co.uk and clicking on the icon at the top of the screen.



James Coles & Sons (Nurseries) Limited The Nurseries Thurnby, Leicester. LE7 9QB

Tel: 0116 2412115 Fax: 0116 2432311 Email: info@colesnurseries.co.uk















THE SUPEROOT FIELDER™







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What is a Superoot Fielder™?

Also known as "root control bags" or "below-ground containers", a Superoot Fielder™ is a bag in which a tree is planted and it, in turn, is planted into the ground to grow until ready for lifting.

Why choose a Superoot Fielder[™] from Coles?



Trees grown in these "bags" have a more vigorous, radial root system every time.



They are grown in native, mineral soil, eliminating the need to use peat.



The constriction of the roots penetrating the bag creates energy-rich nodules of carbohydrates which are resistant to dehydration during transport and supply a burst of new root growth upon transplanting.



There is less chance of root-circling in the



The planting season is extended as there is no root disturbance upon lifting.



They widen the availability and successful transplant rates of those difficult-to-establish varieties such as oak, beech, birch and both evergreen and deciduous conifers.



Harvest of larger trees produces a smaller and more lightweight rootball, reducing handling and health and safety problems on-site.



The trees are supplied prepared, wired and ready for planting, requiring no further attention and with no packaging waste to dispose of.

NATIONAL PLANT SPECIFICATION - TREES

Size	Form	Girth	Overall Height
		(at 1m above soil)	
175/200	Feathered Tree		1.75m/2m
200/250	Feathered Tree		2/2.5m
6/8	Light Standard	6/8cm	2.5/3m
8/10	Standard	8/10cm	2.5/3m
10/12	Selected Standard	10/12cm	3/3.5m
12/14	Heavy Standard	12/14cm	3.5/4m
14/16	Extra Heavy Standard	14/16cm	4/4.5m
16/18	Extra Heavy Standard	16/18cm	4.5/5m
18/20	Extra Heavy Standard	18/20cm	4.5/5m
20+	Semi-mature	20+	5m+



COLES FACT SHEET (2)

THE SUPEROOT FIELDER™

Varieties grown in Superoot Fielders™:

TREES:

Acer capillipes

Acer davidii

Acer hersii

Acer rufinerve

Amelanchier canadensis

Betula albosinensis septentrionalis

Betula ermannii

Betula nigra

Betula pendula

Betula pendula 'Dalecarlica'

Betula pendula 'Tristis'

Betula pendula 'Youngii'

Betula utilis jacquemontii

Carpinus betulus

Carpinus betulus 'Fastigiata'

Fagus sylvatica

Fagus sylvatica 'Aspleniifolia'

Fagus sylvatica 'Dawyck'

Fagus sylvatica 'Dawyck Gold'

Fagus sylvatica 'Dawyck Purple'

Fagus sylvatica 'Pendula' Fagus sylvatica purpurea

Fagus sylvatica 'Purpurea Pendula'

Fagus sylvatica 'Riversii'

Fagus sylvatica 'Zlatia'

Liriodendron tulipferum

Morus nigra

Quercus cerris

Quercus robur

Quercus robur 'Koster'

Quercus rubra

MULTISTEM TREES:

Amelanchier canadensis

Betula nigra

Betula pendula

Betula utilis jacquemontii

CONIFERS:

Cedrus deodara

Cedrus libani atlantica 'Glauca'

Juniperus scopulorum 'Skyrocket'

Larix decidua

Larix leptolepis

Metasequoia glyptostroboides

Pinus nigra

Pinus nigra maritima

Pinus sylvestris

Sequoiadendron giganteum

Thuja plicata 'Coles Variety'

Tsuga heterophylla

SHRUBS:

Prunus laurocerasus 'Rotundifolia'



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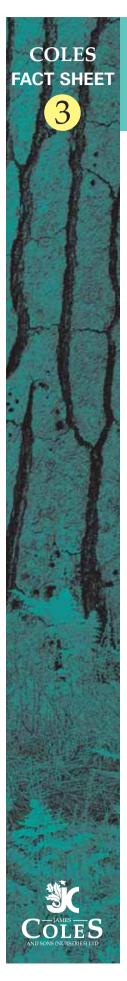


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POT-IN-POT & CONTAINER TREES



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What is a Pot-in-Pot Tree?

Producing trees in the pot-in-pot system involves the potting and growing-on of a bareroot tree in a 65 litre container which is, in turn, placed into a sunken 65 litre container in the ground. This reduces the water requirement, which is provided by a drip-irrigation system and provides a sound anchorage for the base of the tree. This prevents excessive wind-rock and physical damage.

Why choose a Pot-in-Pot tree from Coles?



Pot-in-pots are available all-year-round, enabling the client to make a large tree statement or display at any time of the year.



There is no damage upon lifting as the tree unit is self-contained.



Larger trees are quicker to establish after transplanting.



They widen the availability and successful transplant rates of those difficult-to-establish varieties such as oak, beech, birch and both evergreen and deciduous conifers.



No special equipment is needed for lifting and transplanting.

NATIONAL PLANT SPECIFICATION - TREES

Size	Form	Girth (at 1m above soil)	Overall Height
175/200	Feathered Tree		1.75m/2m
200/250	Feathered Tree		2/2.5m
6/8	Light Standard	6/8cm	2.5/3m
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10/12	Selected Standard	10/12cm	3/3.5m
12/14	Heavy Standard	12/14cm	3.5/4m
14/16	Extra Heavy Standard	14/16cm	4/4.5m



COLES FACT SHEET (3)

POT-IN-POT & CONTAINER TREES

Varieties grown in Pot-in-Pot 65 Litre Containers:

TREES:

Acer campestre 'Queen Elizabeth'

Acer capillipes

Acer cappadocicum 'Aureum'

Acer cappadocicum 'Rubrum'

Acer davidii

Acer x freemanii 'Celebration'

Acer platanoides 'Deborah'

Acer platanoides 'Drummondii'

Acer platanoides 'Emerald Queen'

Acer platanoides 'Globosum'

Acer platanoides 'Royal Red'

Acer pseudoplatanus 'Corstorphinense'

Acer pseudoplatanus 'Leopoldii'

Aesculus x carnea 'Briotii'

Aesculus hippocastanum 'Baumannii'

Alnus cordata

Alnus glutinosa

Alnus incana

Amelanchier canadensis

Betula ermannii

Betula pendula

Betula pendula 'Dalecarlica'

Betula utilis jacquemontii

Carpinus betulus

Carpinus betulus 'Fastigiata'

Corylus colurna

Crataegus laevigata 'Paul's Scarlet'

Crataegus x lavallei

Crataegus prunifolia

Fagus sylvatica

Fagus sylvatica purpurea

Fraxinus angustifolia 'Raywood'

Fraxinus excelsior 'Altena'

Fraxinus excelsior 'Westhof's Glorie'

Liquidamber styraciflua

Liriodendron tulipferum

Malus 'Direktor Moerland'

Malus 'Golden Hornet'

Malus hupehensis

Malus 'John Downie'

Malus 'Rudolph'

Malus tschonoskii

Platanus x hispanica

Prunus 'Accolade'

Prunus avium

Prunus avium 'Plena'

Prunus cerasifera 'Nigra'

Prunus 'Kanzan'

Prunus padus 'Watereri'

Prunus serrula 'Tibetica'

Prunus 'Shirofugen'

Prunus 'Shirotae'

Prunus subhirtella 'Autumnalis'

Prunus subhirtella 'Autumnalis Rosea' Prunus 'Sunset Boulevard'

Prunus 'Tai Haku'

Prunus 'Ukon'

Prunus 'Umineko'

Pyrus calleryana 'Chanticleer'

Quercus ilex

Quercus robur

Quercus rubra

Robinia pseudoacacia 'Frisia'

Salix x sepulcralis 'Chrysocoma'

Sorbus aria 'Lutescens'

Sorbus aria 'Majestica'

Sorbus aucuparia 'Edulis'

Sorbus aucuparia 'Sheerwater Seedling'

Sorbus commixta

Sorbus 'Joseph Rock'

Sorbus 'Sunshine'

Tilia cordata 'Greenspire'

Tilia cordata 'Roelvo'

Tilia x euchlora

Tilia x europaea 'Pallida'

Tilia Tomentosa 'Brabant'

Ulmus hollandica 'Wredei'

MULTISTEM TREES:

Amelanchier canadensis

Betula pendula

Betula utilis jacquemontii

CONIFERS:

Cedrus libani atlantica 'Glauca'

Cedrus deodara

x Cupressocyparis leylandii

x Cupressocyparis leylandii 'Castlewellan Gold'

Ginkgo biloba

Larix decidua

Metasequoia glyptostroboides

Pinus nigra

Pinus sylvestris

Pinus wallichiana

Sequoiadendron giganteum

Thuja plicata 'Coles Variety'

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