

## THE BARE-ROOT TREE



TREE FACTS

The 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 Superroot 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 industry-recognised 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](http://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








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
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



# 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 plant over 200,000 trees on 15 hectares of newly-ploughed land per year.*

*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](mailto:info@colesnurseries.co.uk). Alternatively, you can download the latest availability of all stocked trees and shrubs by visiting [www.colesnurseries.co.uk](http://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](mailto:info@colesnurseries.co.uk)





The 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 Superroot 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 industry-recognised 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](http://www.gohelios.co.uk) for the electronic equivalent, the **Helios Plant Selector**, which should form the foundation of any plant specifier's toolkit.

### What is a Superroot Fielder™?

Also known as "root control bags" or "below-ground containers", a Superroot 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 Superroot 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 bag.
-  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 (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
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 SUPERROOT FIELDER™

TREE FACTS

### Varieties grown in Superroot 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 tulipiferum
- 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'



The annual Coles catalogue is available upon request by calling 0116 2412115 or emailing [info@colesnurseries.co.uk](mailto:info@colesnurseries.co.uk). Alternatively, you can download the latest availability of all stocked trees and shrubs by visiting [www.colesnurseries.co.uk](http://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](mailto:info@colesnurseries.co.uk)



## POT-IN-POT & CONTAINER TREES



TREE FACTS

The 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 Superroot 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 industry-recognised 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](http://www.gohelios.co.uk) for the electronic equivalent, the **Helios Plant Selector**, which should form the foundation of any plant specifier's toolkit.

### What is a Pot-in-Pot Tree?

Producing trees in the pot-in-pot system involves the potting and growing-on of a bare-root 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
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



# 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 lavalleyi  
 Crataegus prunifolia  
 Fagus sylvatica  
 Fagus sylvatica purpurea  
 Fraxinus angustifolia 'Raywood'  
 Fraxinus excelsior 'Altena'  
 Fraxinus excelsior 'Westhof's Glorie'  
 Liquidambar styraciflua  
 Liriodendron tulipiferum  
 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 'Eduilis'  
 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'

The annual Coles catalogue is available upon request by calling 0116 2412115 or emailing [info@colesnurseries.co.uk](mailto:info@colesnurseries.co.uk). Alternatively, you can download the latest availability of all stocked trees and shrubs by visiting [www.colesnurseries.co.uk](http://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](mailto:info@colesnurseries.co.uk)

