

# Fruit and Nut Nurseries

## Catalogue and Price List September 2017

### General information

#### Prices

Except where special offers apply, the prices in this catalogue will remain in effect until 30th September. Details of special offers can be found on the website.

#### Planting Season

The best time to plant is often either at the very start of the barerooted season, when the ground is still relatively warm and dry, or at the end of the planting season, namely during the second half of March and the first part of April when the ground is beginning to warm up and dry out. Providing trees are well watered at the time of planting, barerooted planting of apples and most nut species can continue further into April (and even into early May in a cold year). During the period December through till late February planting-out should be avoided during times when the ground is either frozen or waterlogged. Planting during wet ground conditions nearly always leads to soil compaction, which in turn can adversely affect tree growth for many years. If ground conditions are not favourable for planting, trees can be stored in an unheated but frost-free shed until conditions improve. Provided the trees are still dormant and the roots are kept moist, trees can be stored for up to several months. However it is essential that roots are not allowed to dry out. Alternatively, trees can temporarily lined-out into a prepared bed (or an unused part of the vegetable garden) then replanted into their final position when ground conditions improve. At the nursery, more than 95 percent of all barerooted planting takes place **after** 17th March.

#### Ordering

Many popular items sell out well in advance and for these items early ordering is essential. Items that typically sell out early include: sweet chestnuts, heartnuts, buartnuts, hickories, hicans, cider apples, perry pears, apricots, peaches and cherries, and also most fruit fruitstocks used for grafting purposes. It is recommended to order these items as early as possible, ideally well before the barerooted season begins. Once a customer confirms an order by email, we will provisionally reserve the items pending payment. We require a 50 percent deposit (full payment where the order value is under €200) to firm up the order. Where payment does not reach us within a reasonable time (7 working days unless otherwise stated), we reserve the right to re-allocate the stock to other customers. **Please note that for despatched orders to Irish destinations, there is a minimum order value of €100.00 (€75.00 for rootstock orders).** There is no minimum order size for collected orders. **For international destinations there is a minimum order value of €200.00 (€100.00 for rootstock orders).**

#### Despatch

Unless we are instructed otherwise, despatch will normally take place from mid February onwards, in chronological order based on when payment for the order was received. Please note that trees that are supplied to us from wholesalers outside of Ireland do not always reach us until the middle of February (and occasionally later). Ground and weather conditions permitting, trees that we propagate or grow on at the nursery can be sometimes be supplied before Christmas. **For orders placed after the main despatch season begins, please allow a lead time of 2-3 weeks.** Normally the despatch season ends when the last barerooted trees come into leaf or flower (mid/late April) but may be continued at our discretion after discussion with the customer.

#### Packing and Delivery Charges

These are based on typical postage or freight charges, with an allowance for labour and packaging costs. We go to a lot of trouble with packing: tree roots are soaked prior to packing then wrapped in paper and polythene to prevent drying out. We frequently receive emails from customers complimenting us on our thoroughness and on the good condition of stock when it arrives. In ten years of operation we have had only one complaint of trees damaged in transit. The delivery charges for fruit and nut trees and for rootstocks are calculated from the number of trees, while for hedging and woodland trees the cost is based on a percentage of the order value. Where orders include items from all three categories of tree (fruit and nut trees, rootstocks, and woodland/hedging trees), the delivery charge will be calculated on the total order value - please contact us for a exact quote.

#### Collection

Goods can be collected directly from the nursery by prior arrangement. Barerooted trees can be collected from late November to early April while container-grown stock can be collected all year round. We sometimes offer a discount on the larger collected orders - it saves on time spent packing and despatch - please enquire. Most container-grown stock and larger barerooted items are for collection only. **Please note we are not a garden centre and cannot facilitate casual callers at any time.**

#### Tree Quality and Customer Guarantee

Customer satisfaction is very important to us. We often hear stories from customers who have purchased poor quality trees from other sources. **Fruit and Nut policy is to NEVER supply goods of a standard that we would not like to receive ourselves.** The quality of our barerooted stock is second to none! Trees are inspected at the point of lifting and again at the point of packing. It is very rare for a defective item to slip through, but **should some stock item not live up to expectation, we will normally replace or refund without question.** In the case of bulk sales (anything over a few dozen of any one item), nursery policy is to supply a small number of extra plants/trees free of charge.

#### Contact

The best way to get in touch is by email. Except at particularly busy times, replies will normally be within one working day. If you have not heard back from us within three working days, please send a reminder! Owing to the sheer volume of phone calls, we generally DO NOT return voicemail messages, except where these concern orders already in transit or ones ready for despatch. However, we endeavour to reply to all text messages. We offer a free horticultural advice service by email.

**Fruit and Nut, The Sustainability Institute, Cooloughra, Westport, Co. Mayo F28 PW70**  
**Enquires: [office@fruitandnut.ie](mailto:office@fruitandnut.ie).**

# Fruit Trees and Berries Price List September 2017

## Barerooted trees (supplied November 2017-April 2018)

	Unit Price (euro)					
	1 tree	2 trees	3-9 trees	10-49 trees	50-199 trees	200+ trees
Apple maidens	20.00	18.00	16.50	14.90	12.90	12.00
Apple 2yr Cordon/Bush trained	24.00	22.00	20.00	18.00	15.70	14.60
Apple 3yr Cordon/Bush trained	26.00	24.00	22.00	20.00	17.50	15.70
Apple 2yr Straight Lead (cider varieties only)	26.00	24.00	22.00	20.00	17.50	15.70
Apple Half Standard	40.00	36.00	33.00	29.00	P.O.A.	P.O.A.
Apricots maidens	32.00	29.00	26.50	24.80	20.00	P.O.A.
Apricot 2yr	40.00	36.00	33.00	29.00	P.O.A.	P.O.A.
Cherry maidens	24.00	22.00	20.00	18.00	15.70	14.60
Cherry 2yr	29.00	27.00	24.70	22.60	P.O.A.	P.O.A.
Cherry 3yr	32.00	29.00	26.50	24.80	P.O.A.	P.O.A.
Damson/Bullace maidens	24.00	22.00	20.00	18.00	15.70	14.60
Damson/Bullace 2yr	29.00	27.00	24.70	22.60	P.O.A.	P.O.A.
Damson/Bullace 3yr	36.00	32.00	29.00	26.50	P.O.A.	P.O.A.
Medlar maidens	20.00	18.00	16.50	14.90	P.O.A.	P.O.A.
Medlar 2yr	24.00	22.00	20.00	18.00	P.O.A.	P.O.A.
Mirabelle maidens	24.00	22.00	20.00	17.80	15.60	P.O.A.
Mirabelle 2yr	29.00	27.00	24.70	22.60	P.O.A.	P.O.A.
Mirabelle 3yr	36.00	32.00	29.00	26.50	P.O.A.	P.O.A.
Peach and Nectarine maidens	29.00	27.00	24.70	22.60	18.70	P.O.A.
Peach and Nectarine 2yr	36.00	32.00	29.00	26.50	P.O.A.	P.O.A.
Pear maidens	22.60	20.50	18.80	17.00	14.90	13.60
Pear 2yr	26.00	24.00	22.00	20.00	17.50	15.70
Pear 3yr	29.00	27.00	24.70	22.60	P.O.A.	P.O.A.
Plum/Gage maidens	24.00	22.00	20.00	18.00	15.70	14.60
Plum/Gage 2yr	29.00	27.00	24.70	22.60	P.O.A.	P.O.A.
Plum/Gage 3yr	36.00	32.00	29.00	26.50	P.O.A.	P.O.A.
Quince maidens	24.00	22.00	20.00	18.00	15.70	14.60
Quince 2yr	29.00	27.00	24.70	22.60	18.70	P.O.A.
Aronia named varieties barerooted 2yr	n/a	n/a	n/a	4.20	3.60	P.O.A.
Cornelian Cherry (Cornus mas) 100-140cm	24.00	22.00	20.00	17.80	P.O.A.	P.O.A.
Cornus kousa chinensis 100-140cm	16.00	15.00	14.50	P.O.A.	P.O.A.	P.O.A.
Crab Apple named varieties maidens	20.00	18.00	16.50	14.90	12.90	12.00
Sea Buckthorn named var. 1yr 50-80cm	n/a	n/a	n/a	4.00	3.45	3.00
Sea Buckthorn named var. 2yr 80-120cm	8.00	7.00	6.50	5.90	5.40	4.80
<b>Container-grown trees/plants (supplied all year subject to availability)</b>						
Aronia named varieties P9 container 1yr	n/a	n/a	n/a	3.20	2.60	2.20
Aronia named varieties 2.5L container 2yr	8.00	7.00	6.50	5.90	5.40	4.80
Aronia named varieties 7L container 3yr	12.50	11.20	10.00	8.90	8.20	P.O.A.
Aronia named varieties 10L container 3yr	14.00	12.50	11.20	10.00	9.20	P.O.A.
Aronia named varieties 15L container 4yr	18.00	16.20	14.60	13.10	12.00	P.O.A.
Blueberries P9 container 1yr	n/a	n/a	n/a	n/a	3.00	2.55
Mulberry named varieties 12L 120-160cm	40.00	36.00	32.50	29.00	P.O.A.	P.O.A.
Rubus Betty Ashburner P9 container	n/a	n/a	n/a	2.00	1.60	1.40
Rubus Betty Ashburner 3L container	n/a	4.00	3.60	3.00	P.O.A.	P.O.A.
Rubus pentalabus 1.3L container	n/a	n/a	n/a	2.70	2.20	1.90
Sea Buckthorn named var. P9 container	n/a	n/a	n/a	n/a	4.30	3.60

# Nut Tree Price List September 2017

## Barerooted trees (supplied November 2017-April 2018)

	Unit Price (euro)					
	1 tree	2 trees	3-9 trees	10-49 trees	50-199 trees	200+ trees
<b>Almond grafted named varieties 2yr</b>	36.00	33.00	30.00	26.50	P.O.A.	P.O.A.
<b>Almond grafted named varieties 3yr</b>	44.00	40.00	36.00	32.00	P.O.A.	P.O.A.
<b>Cobnut named varieties 40-60cm 1yr</b>	n/a	n/a	n/a	n/a	3.60	3.00
<b>Cobnut named varieties 60-100cm 2yr</b>	n/a	n/a	n/a	n/a	5.00	4.50
<b>Cobnut named varieties 100-140cm 3yr</b>	10.00	9.00	8.20	7.40	6.80	6.30
<b>Cobnut named varieties 140-180cm 3yr</b>	12.50	11.20	10.00	8.90	8.20	7.50
<b>Cobnut named varieties 100-140cm 4yr</b>	12.50	11.20	10.00	8.90	8.20	7.50
<b>Cobnut named varieties 140-180cm 4yr</b>	15.00	13.40	12.00	10.70	9.90	9.00
<b>Cobnut named varieties 180-220cm 4yr</b>	18.00	16.20	14.60	13.10	12.00	11.00
<b>Cobnut named varieties 220cm+ 5yr</b>	24.00	22.00	20.00	18.00	n/a	n/a
<b>Buartnut grafted named varieties 30-45cm</b>	30.00	27.50	25.00	23.00	19.50	P.O.A.
<b>Buartnut grafted named varieties 45-70cm</b>	40.00	36.50	33.70	30.80	26.90	P.O.A.
<b>Buartnut grafted named varieties 70-100cm</b>	47.00	42.50	39.00	35.80	31.30	P.O.A.
<b>Buartnut grafted named varieties 100-140cm</b>	58.00	52.50	48.50	44.50	P.O.A.	P.O.A.
<b>Buartnut grafted named varieties 140-180cm</b>	80.00	72.00	64.00	57.00	P.O.A.	P.O.A.
<b>Heartnut grafted named varieties 30-45cm</b>	26.00	24.00	22.00	20.00	17.00	P.O.A.
<b>Heartnut grafted named varieties 45-70cm</b>	35.00	32.00	29.50	27.00	23.50	P.O.A.
<b>Heartnut grafted named varieties 70-100cm</b>	42.00	38.00	35.00	32.00	28.00	P.O.A.
<b>Heartnut grafted named varieties 100-140cm</b>	52.00	47.50	43.50	40.00	P.O.A.	P.O.A.
<b>Heartnut grafted named varieties 140-180cm</b>	70.00	63.00	56.00	50.00	P.O.A.	P.O.A.
<b>Hickory/Hican grafted named varieties 30-45cm</b>	32.00	29.00	26.50	24.50	P.O.A.	P.O.A.
<b>Hickory/Hican grafted named varieties 45-70cm</b>	42.00	38.00	35.00	32.00	P.O.A.	P.O.A.
<b>Hickory/Hican grafted named varieties 70-100cm</b>	52.00	47.50	43.50	40.00	P.O.A.	P.O.A.
<b>Hickory/Hican grafted named varieties 100-140cm</b>	70.00	63.00	56.00	50.00	P.O.A.	P.O.A.
<b>Sweet Chestnut grafted/stooled named varieties 45-70cm</b>	20.00	18.00	16.50	14.90	12.90	12.00
<b>Sweet Chestnut grafted/stooled named varieties 70-100cm</b>	26.00	24.00	22.00	20.00	17.00	15.70
<b>Sweet Chestnut grafted/stooled named varieties 100-140cm</b>	36.00	32.00	29.00	26.50	24.00	P.O.A.
<b>Sweet Chestnut grafted/stooled named varieties 140-180cm</b>	44.00	40.00	36.00	33.00	P.O.A.	P.O.A.
<b>Walnut grafted named varieties 45-70cm</b>	27.00	25.00	22.50	20.00	18.00	P.O.A.
<b>Walnut grafted named varieties 70-100cm</b>	33.00	30.00	27.50	25.80	23.00	P.O.A.
<b>Walnut grafted named varieties 100-140cm</b>	38.00	34.50	31.50	29.30	26.00	22.00
<b>Walnut grafted named varieties 140-180cm</b>	44.00	40.00	36.00	33.00	30.00	P.O.A.
<b>Walnut grafted named varieties 180cm +</b>	60.00	52.50	48.00	44.00	40.00	P.O.A.
<b>Ginkgo, seed-grown 2yr 30-45cm</b>	n/a	n/a	n/a	3.00	2.50	P.O.A.
<b>Ginkgo, seed-grown 3yr 45-70cm</b>	7.00	5.00	5.00	4.20	3.60	P.O.A.
<b>Ginkgo, seed-grown 4yr 70-100cm</b>	12.50	10.00	10.00	8.90	8.20	P.O.A.

The description 'named varieties' is used to distinguish selected fruiting/nut-bearing varieties from wild/seed-grown forms of the same species (for example the seed-grown common walnut *Juglans regia*). These may be offered separately (see woodland, hedging and shelterbelt tree price list)

# Nut Trees Price List September 2017

Container-grown trees (supplied all year subject to availability)

	Unit Price (euro)					
	1 tree	2 trees	3-9 trees	10-49 trees	50-199 trees	200+ trees
<b>Monkey Puzzle (<i>Araucaria araucana</i>) 2yr 12-20cm P9 pot</b>	10.00	8.80	7.80	6.90	6.50	P.O.A.
<b>Monkey Puzzle (<i>A. araucana</i>) 3yr 20-30cm 3L airpot</b>	15.00	13.50	12.00	10.50	9.50	P.O.A.
<b>Monkey Puzzle (<i>A. araucana</i>) 4yr 30-50cm 9L airpot</b>	25.00	22.00	20.00	18.00	16.50	P.O.A.
<b>Monkey Puzzle (<i>A. araucana</i>) 5yr 50cm+ 25L airpot</b>	50.00	45.00	40.00	35.00	30.00	P.O.A.
<b>Pinenut, Swiss Stone Pine (<i>Pinus cembra</i>) 2yr 10-15cm P9 pot</b>	n/a	n/a	n/a	3.60	3.00	2.40
<b>Pinenut, Swiss Stone Pine (<i>Pinus cembra</i>) 3yr 15-25cm 3L airpot</b>	8.40	7.40	6.50	6.00	5.60	P.O.A.
<b>Pinenut, Coulter (<i>Pinus coulteri</i>) 2yr 20-30cm 3L airpot</b>	15.00	13.50	12.00	10.50	P.O.A.	P.O.A.
<b>Pinenut, Chilgoza (<i>Pinus gerardiana</i>) 2yr 15-25cm 3L airpot</b>	20.00	18.00	16.00	14.00	P.O.A.	P.O.A.
<b>Pinenut, Piñon (<i>Pinus monophylla</i>) 2yr 10-15cm 3L airpot</b>	15.00	13.50	12.00	10.50	P.O.A.	P.O.A.
<b>Pinenut, Korean (<i>Pinus koraiensis</i>) 3yr 15-25cm 3L airpot</b>	15.00	13.50	12.00	10.50	9.50	P.O.A.
<b>Pinenut, Mediterranean (<i>Pinus pinea</i>) 1yr 15-25cm plugs</b>	n/a	n/a	n/a	n/a	3.60	3.00
<b>Pinenut, Mediterranean (<i>Pinus pinea</i>) 2yr 25-40cm 3L airpot</b>	10.00	8.80	7.80	7.20	6.50	5.90
<b>Pinenut, Mediterranean (<i>Pinus pinea</i>) 3yr 40-60cm 3L airpot</b>	15.00	13.50	12.00	10.50	9.50	8.50
<b>Pinenut, Mediterranean (<i>Pinus pinea</i>) 4yr 60-90cm 9L airpot</b>	25.00	22.00	20.00	18.00	16.50	15.00
<b>Pinenut, Mediterranean (<i>Pinus pinea</i>) 5yr 90-120cm 25L airpot</b>	50.00	45.00	40.00	35.00	30.00	P.O.A.
<b>Pinenut, Mediterranean (<i>Pinus pinea</i>) 6yr 120cm+ 45L airpot</b>	90.00	82.00	74.00	66.00	P.O.A.	P.O.A.
<b>Pinenut, Dwarf Siberian (<i>Pinus pumila</i>) 2yr 7-12cm P9 pot</b>	n/a	n/a	n/a	3.60	3.00	2.40
<b>Pinenut, Dwarf Siberian (<i>Pinus pumila</i>) 3yr 20-30cm 3L airpot</b>	8.40	7.40	6.50	6.00	5.60	P.O.A.
<b>Pinenut, Digger (<i>Pinus sabiniana</i>) 2yr 20-30cm 3L airpot</b>	15.00	13.50	12.00	10.50	9.50	P.O.A.
<b>Pinenut, Digger (<i>Pinus sabiniana</i>) 3yr 30-45cm 3L airpot</b>	25.00	22.00	20.00	18.00	16.50	P.O.A.
<b>Pinenut, Siberian (<i>Pinus siberica</i>) 2yr 10-15cm 3L airpot</b>	10.00	8.80	7.80	7.20	6.50	5.90
<b>Pinenut, Siberian (<i>Pinus siberica</i>) 3yr 15-25cm 3L airpot</b>	15.00	13.50	12.00	10.50	9.50	8.50
<b>Pinenut, Siberian (<i>Pinus siberica</i>) 4yr 25-40cm 9L airpot</b>	25.00	22.00	20.00	18.00	16.50	P.O.A.
<b>Pinenut, Torrey (<i>Pinus torreyana</i>) 2yr 20-30cm 3L airpot</b>	20.00	18.00	16.00	14.00	P.O.A.	P.O.A.
<b>Oak, Holm (<i>Quercus ilex</i>) 1yr, plugs</b>	n/a	n/a	n/a	n/a	3.13	2.50
<b>Oak, Holm (<i>Quercus ilex</i>) 2yr 25-40cm 3L airpot*</b>	7.00	6.00	5.40	4.80	4.30	3.90
<b>Oak, Holm (<i>Quercus ilex</i>) 3yr 40-60cm* 3L airpot*</b>	10.00	8.50	7.30	6.50	5.90	5.40
<b>Oak, Holm (<i>Quercus ilex</i>) 4yr 60-90cm 9L airpot</b>	15.00	13.50	12.00	10.50	P.O.A.	P.O.A.
<b>Oak, Cork (<i>Quercus suber</i>) 1yr, plugs *</b>	n/a	n/a	n/a	n/a	3.50	2.80
<b>Oak, Cork (<i>Quercus suber</i>) 2yr 25-40cm 3L airpot*</b>	7.00	6.00	5.40	4.80	4.30	3.90
<b>Oak, Cork (<i>Quercus suber</i>) 3yr 40-60cm 3L airpot*</b>	10.00	8.50	7.30	6.50	5.90	5.40

# Fruit and Nut Order Form September 2017

## Nuts

**Chestnuts** Varieties (barerooted): Marlhac, Marigoule, Marsol **Please enquire to check availability** Bouche de Betizac, Bournette, Marron de Chevanceaux, Précoce Migoule **Not available 2017/18**

List varieties, quantity of each variety, and total price

**Walnuts** Available as grafted trees 45-70cm, 70-100cm, 100-140cm, 140-180cm and 180cm+

French varieties (barerooted): Corne du Périgord, Fernette, Fernor, Fertignac, Franquette, Mayette, Meylanaise, Parisienne, Ronde de Montignac. **Available from December** Other varieties (barerooted): Amphyon, Chiara, Cyril, Coenen, Dionym, Mars, No.16, Minimultiflora nr. 14, Rita, Rote Danaunuss. **Please enquire to check availability**

List varieties, quantity of each variety, and total price

**Cobnuts** Available as stooled trees

Barerooted 40-60cm: Cosford, Kentish Cob, Hall's Giant, Nottingham (Pearson's Prolific), Webb's Prize **Available by special order only**. Barerooted 60-100cm, 100-140cm, 140-180cm, 180-220cm and 220cm+; Cosford, Hall's Giant, Nottingham (Pearson's Prolific), Webb's Prize, Rotblättrige Zellernuss **Available from November**

List varieties, quantity of each variety and total price

**Heartnuts, Buartnuts, Hickory and Hican** Available as grafted trees 45-70cm, 70-100cm, 100-140cm, 140-180cm. Varieties available Heartnuts: Campbell CW1, Campbell CW4, Grimo Manchurian, Imshu, Kalmar, Schubert; Buartnuts: Mitchell; Hickory: Yoder; Hicans: Burton, Weschke **Available from December (Buartnuts sold out)**

List varieties, size of tree, quantity of each variety and total price

**Almonds** Available as grafted trees on St Julien A rootstock. Supplied as barerooted maidens or 2yr trees

**Variety: Ingrid. Available from February 2018**

List quantity and total price

**Pine Nut and Monkey Puzzle** (*Pinus cembra* - Swiss Stone pine, *Pinus pinea* - Mediterrean Stone pine, *Pinus coulteri* - Coulter pine, *Pinus geradiana* - Chilgoza pine, *Pinus monophylla* - Piñon pine, *Pinus pumila* - Dwarf Siberian pine, *Pinus sabiniana* - Digger Pine, *Pinus siberica* - Siberian pine, *Araucaria araucana* - Monkey Puzzle. Available in a range of sizes from plugs/P9 to 45Lairpots. **Normally available all year round**

List quantity, pot size/age and total price

**Oaks** *Quercus ilex* - Holm Oak, *Quercus suber* - Cork Oak. Available in 1l, 3l and 9l airpots. **Available all year round**

List quantity, pot size/age and total price



# Tree Fruit

**Plums, Gages, Damsons, Bullaces and Mirabelles** on St Julien 'A' (semi-vigorous) and Pixy (semi-dwarf) rootstock. Barerooted maidens and 2yr bush-trained.

**Plums and gages:** Avalon, Blaisdon Red, Cambridge Gage, Coe's Golden Drop, Czar, Denniston's Gage, Edda, Gordon Castle, Guinevere, Haganta, Herman, Jubilee, Kirke's Blue, Marjorie's Seedling, Opal, Reine Claude de Bavay, Rivers' Early Prolific, Stella's Star, Warwickshire Drooper. **Damsons:** Aylesbury, Blue Violet, Delma, Farleigh, Shropshire Prune **Bullace:** Shepherds **Mirabeles:** Countess, de Nancy, Golden Sphere, Gypsy, Ruby. **Most varieties available from December**

List varieties, quantity of each variety, and total price

**Apples** on M25/M111 (vigorous), MM106 /M116 (semi-vigorous). M26 (semi dwarf). M9 (dwarf) and M27 (ultra dwarf) rootstocks. Barerooted trees available as maidens, 2yr cordons, 2yr bush trained, 2yr straight leads and half-standards.

**Varieties (eaters and cookers):** Annie Elizabeth, Ashmead's Kernel, Bardsey, Beauty of Bath, Ben's Red, Bramley's Seedling, Bright Future, Brownlees Russet, Charles Ross, Cornish Aromatic, Coul Blush, Court of Wick, Court Pendu Plat, Crawley Beauty, D'Arcy Spice, Discovery, Egremont Russet, Edward VII, Fiesta, Gladstone, Gennet Moyle, Greensleeves, Grenadier, Herefordshire Russet, Honeycrisp, John Standish, Katy, Keswick Codlin, Lane's Prince Albert, Laxton's Superb, Lemon Pippin, Little Pax, Newton Wonder, Oslin, Pinova, Pitmaston Pineapple, Red Devil, Red Jonaprince, Red Falstaff, Redsleeves, Red Pixie, Red Windsor, Rev W. Wilks, Ribston Pippin, Rosemary Russet, Rosette, St Edmund's Russet, Sunset, Surprise, Ticked Pink, Tom Putt, Yellow Ingestrie. **Varieties (cider):** Black Dabinett, Brown's, Dabinett, Harry Masters, Medaille d'Or, Morgan's Sweet, Somerset Redstreak, Sweet Allford, Sweet Coppin, Tremlett's Bitter, Yarlington Mill. **Most varieties available from December**

List varieties, rootstock, quantity of each variety, and total price

**Cherries** barerooted on F.12.1 (vigorous) Colt (semi-dwarf) and Gisela 5 (dwarf) rootstock. Available as maidens and 2yr

**Varieties:** Black Oliver, Celeste, Colney,, Early Rivers, Lapins Cherokee, Merton Glory, Morello, Noir de Guben, Penny, Petit Noir, Skeena, Stella, Summer Sun, Sweetheart, Van, Vega **Most varieties available from December**

List varieties, quantity of each variety, and total price

**Pears** on Pyrus communis/kirchensaller (very vigorous), Pyrodwarf (vigorous), Quince A (semi-dwarf) and Quince C (dwarf) rootstock. Barerooted trees available as maidens and 2yr.

**Varieties:** Baronne de Mello, Beth, Beurré Hardy, Black Worcester, Catillac, Concorde, Conference, Durondeau, Fondante d'Automne, Invincible, Jargonelle, Louise Bon of Jersey, Merton Pride, Onward, Précoce de Trévoux, Shipover. **Perry Pears:** Blakeney Red, Gin, Hendre Huffcap. Judge Amphlet, Thorn, Winnal's Longton, Yellow Huffcap **Available from December**

List varieties, quantity of each variety, and total price

# Tree Fruit continued

## Crab Apples

**Variety:** Laura Supplied as barerooted maidens **Please enquire to check availability**

List quantity and total price

## Cornelian Cherry

**Varieties:** Jolico, Schönbrunner Gourmet Dirndl. Barerooted trees 2&3yr **Available from December**

*Cornus Kousa chinensis* (**Chinese dogwood**) Barerooted trees. **Available from December**

List varieties, quantity of each variety, and total price

**Quince** on Quince A (semi-vigorous) rootstock. Supplied as barerooted maidens and 2yr.

**Varieties:** Aromatnaya, Vranja, Serbian Gold. **Available from February 2018**

List varieties, quantity of each variety, and total price

**Medlars** on Quince A (semi-vigorous) rootstock. Supplied as barerooted maidens, 2yr and 3yr

**Varieties:** Nottingham, Royal **Available from December**

List varieties, quantity of each variety, and total price

**Apricots, Peaches, Nectarines and Plumcot** on St Julien A/Torinel rootstock. Supplied as barerooted maidens and 2 yr . **Varieties:** **Apricot** Goldcot, Golden Glow, Tomcot, Vigama. **Peach** Rochester, Saturn; **Nectarine** Pineapple; **Plumcot** Flavor King; **Miracot** Aprimira **Available December 2017/February 2018**

List varieties, quantity of each variety, and total price

**Mulberries** Containerised trees in 12L pots.

**Variety:** Chelsea **Sold out, more available February 2018**

List quantity and total price

# Bush Fruit

## Sea Buckthorn

Container-grown plants P9 pots (20-40cm high), 3l pots (40-60cm ) and 7l pots (60-100cm ) Male: Pollmix1, Pollmix 3, Pollmix 4. **Please enquire re availability** Barerooted named female varieties **Please enquire re availability** Barerooted seed-grown plants for hedging and screening (mixed male and female) 60-100cm, 100-140cm, 140-180cm **Please enquire re availability** (see hedging price list)

List varieties, quantity of each variety, and total price

## Aronia

Nero, Viking: P9s, 2.5L, 5L, 7L and 12L pots **Normally in stock all year round**

Galicjanja: barerooted plants **Sold out**

List varieties, quantity of each variety, and total price

## Blueberries

Bluecrop, Rubel and some other varieties. Available in P9 and 2.5L pots

**Available Sept/Oct**

List variety, quantity and total price

## Ground-cover raspberries

*Rubus Betty Ashburner*, P9s and 2.5L pots **Normally in stock**. *R. pentalabus* 1.3L and 3L pots **Normally in stock**  
*R.chamaemorus*, *R.illicebrosus*, *R. nepalensis*. **Limited availability, please enquire**

List variety, quantity and total price



# Fruit and Nut Trees Order Summary

Chestnuts total	
Walnuts total	
Cobnuts total	
Heartnuts, Buartnuts and Hican total	
Almonds total	
Pine nuts total	
Plums, Mirabelles and Damsons total	
Apples total	
Cherries total	
Pears total	
Crab apples total	
Quince total	
Medlars total	
Apricots and Peaches total	
Mulberries total	
Cornelian Cherry total	
Sea Buckthorn total	
Aronia total	
Blueberries total	
Ground-cover Raspberry total	
Total trees	
Carriage	
Total amount	

## Packing and Delivery Charges (barerooted fruit and nut trees)

Republic of Ireland: Up to 6 trees €20.00, 7-10 trees €25.00, 11-15 trees €30.00, 16-20 trees €35.00, 21-30 trees €45.00, 31-40 trees €55.00, 41-50 trees €62.50, 51-75 trees €80.00, 76-100 trees €100.00, 101-150 trees €130.00, 151-200 trees €150.00, 201-300 trees €200.00, 301-400 trees €240.00, 401-500 trees €275.00, over 500 trees €300.00. Orders may be collected from our premises by prior arrangement.

Northern Ireland: Up to 6 trees €27.50, 7-10 trees €32.50, 11-15 trees €40.00, 16-20 trees €45.00, 21-30 trees €57.50, 31-40 trees €70.00, 41-50 trees €80.00, 51-75 trees €100.00, 76-100 trees €130.00, 101-150 trees €170.00, 151-200 trees €200.00, 201-300 trees €260.00, 301-400 trees €290.00, 401-500 trees €330.00, over 500 trees €360.00.

Mainland UK: Up to 6 trees €55.00, 7-10 trees €65.00, 11-15 trees €80.00, 16-20 trees €105.00, 21-30 trees €130.00, 31-50 trees €170.00, 51-100 trees €230.00, 101-150 trees €290.00, 151-200 trees €320.00, 201-300 trees €360.00, 301-400 trees €400.00, 401-500 trees €430.00, over 500 trees €450.00.

Other EU/EEA countries: Up to 6 trees €67.50, 7-10 trees €80.00, 11-15 trees €100.00, 16-20 trees €140.00, 21-30 trees €180.00, 31-50 trees €250.00, 51-100 trees €350.00, 101-150 trees €450.00, 151-200 trees €500.00, 201-300 trees €570.00, 301-400 trees €670.00, 401-500 trees €720.00, over 500 trees €750.00.

Cheques, drafts or postal orders should be made payable to: **The Sustainability Institute**  
Please send to Fruit and Nut, The Sustainability Institute, Cooloughra, Ballinrobe Rd, Westport, Co. Mayo.  
Enquires: 087 6714075 or email office@fruitandnut.ie.

## Your Order Details (please write clearly)

Name

Delivery or Collection (please state)

Delivery Address

Delivery Instructions (if any)

Contact Phone Number

Email

Total Order Value including  
delivery charges if applicable

Method of Payment (cheque, postal  
order, bank draft, bank transfer, cash)

Fruit and Nut Trees -

Woodland and Hedging -

Rootstocks and graftwood -

Carriage -

Total -

**Cheques, drafts or postal orders should be made payable to: **The Sustainability Institute****

**Please send to: Fruit and Nut, The Sustainability Institute, Cooloughra, Ballinrobe Rd, Westport, Co. Mayo.**

# Apple use, pollination and disease resistance

	Use (Dual = eating and cooking)	Cider	Juice	Pollination group (* ** good pollinator)	Pick	Store	Scab and canker resistance <sup>1</sup>
Ashmead's Kernel	Eater	*	**	4	Oct	Nov-Feb	**
Bardsay	Dual		***	2	Sept	Oct	**
Beauty of Bath	Eater			2	Aug		**
Ben's Red	Eater			1	Sept		**
Bramley's Seedling	Cooker	**	**	3 Triploid <sup>2</sup>	Oct	Nov-March	*
Bright Future	Eater		**	3 Triploid <sup>2</sup>	Oct	Nov-Jan	****
Brownlee's Russet	Dual			2	Oct	Nov-March	***
Charles Ross	Dual	*	**	3	Sept		**
Cornish Aromatic	Eater			2	Oct	Nov-Feb	****
Coul Blush	Dual			2	Sept	Oct	***
Court of Wick	Eater		**	3	Oct	Nov-Dec	****
Court Pendu Plat	Eater			5	Oct	Nov-Jan	**
Crawley Beauty	Cooker			5	Oct	Nov-Feb	***
Dabinett	Cider	***		5	Oct	Nov-Jan	**
D'Arcy Spice	Eater	*	**	3	Oct	Nov-May	***
Discovery	Eater			2	Aug		**
Egremont Russet	Eater		**	2	Sept	Oct-Dec	****
Edward VII	Cooker			5	Oct	Nov-April	*
Fiesta	Eater			3	Sept	Oct-Feb	**
Gennet Moyle	Cider	***		2 Triploid <sup>2</sup>	Sept	Oct	**
Gladstone	Eater			3	Aug		***
Greensleeves	Eater	*	***	3 **	Oct	Oct-Dec	***
Grenadier	Cooker			3 **	Aug	Sept-Oct	*****
Harry Masters	Cider	***		5	Oct	Oct-Nov	**
Herefordshire Russet	Eater			3	Nov	Nov-Apr	***
Honeycrisp	Eater		***	3	Oct	Oct-Feb	***
Katy	Eater	**	***	3	Sept	Oct	*
Keswick Codlin	Dual		*	1	Aug	Sept	***
Lane's Prince Albert	Cooker		**	4 **	Oct	Nov-March	****
Laxton's Superb	Eater		**	3	Oct	Nov-Jan	*
Lemon Pippin	Dual			4	Oct	Nov-Dec	*
Little Pax	Eater			3	Oct	Oct-Feb	**
Morgan's Sweet	Cider	***		3 Triploid <sup>2</sup>	Sept	Oct	***
Newton Wonder	Cooker		**	5	Oct	Nov-March	****
Orleans Reinette	Eater	**	*	4	Oct	Nov-Jan	***
Oslin	Eater			2	Sept		***
Pinova	Eater			4	Oct	Nov-Mar	****
Pitmaston Pineapple	Eater			3	Oct		*
Pixie/Red Pixie	Eater			4	Oct	Nov-March	**
Red Devil	Eater		**	2	Oct	Oct-Dec	**
Red Jonaprince	Eater		**	4	Oct	Nov-Feb	****
Redsleeves	Eater			2 **	Aug	Aug-Sept	**
Red Windsor	Eater			2 SF <sup>3</sup>	Sept	Sept-Oct	*****
Reverend W. Wilks	Cooker		*	2	Aug	Sept-Oct	***
Ribston Pippin	Eater	*	**	2 Triploid <sup>2</sup>	Oct	Oct-Jan	*
Rosemary Russet	Eater		**	3	Oct	Nov-March	***
Rosette	Eater			2	Aug	Aug-Sept	**
St Edmunds Russet	Eater	*	**	2	Sept		****
Surprise	Eater		**	2	Sept	Sept-Oct	**
Sunset	Eater			3	Sept	Oct-Dec	*
Tickled Pink	Dual		**	3	Sept	Sept-Oct	**
Tom Putt	Cooker	***	**	3	Sept	Oct-Nov	****
Tremlett's Bitter	Cider	***		4	Oct	Oct-Nov	*
Yarlington Mill	Cider	***		4	Oct	Oct-Nov	*
Yellow Ingestrie	Eater			1	Sept	Sept-Oct	*

<sup>1</sup> All cultivars with an asterisk offered have some canker and scab resistance. Three or more asterisk indicates high resistance.

<sup>2</sup> Triploids do not pollinate other apple trees <sup>3</sup> SF = self fertile

# Pears: Use, pollination and disease resistance

Variety	Cullinary use	Pollination group <sup>1</sup> ** good pollinator SF = Self fertile	Pick	Store	Available on quince rootstock	Scab and canker resistance
<b>Baronne de Mello</b>	Eating	<b>3</b>	Oct	Nov	No	*
<b>Beth</b>	Eating	<b>3</b>	Sept	Oct	Yes	****
<b>Beurre Hardy</b>	Eater	<b>4</b>	Oct		Yes	***
<b>Black Worcester</b>	Cooking	<b>4</b>	Oct	Nov-Feb	No	****
<b>Blakeney Red</b>	Perry	<b>4 Trip</b>	Sept	Oct	No	****
<b>Catillac</b>	Cooking	<b>3**</b>	Sept	Nov-May	Yes	*****
<b>Concorde</b>	Eating	<b>4</b>	Oct	Oct-Jan	Yes	**
<b>Conference</b>	Eating	<b>3 SF</b>	Sept	Oct-Nov	Yes	*
<b>Doyenne du Comice</b>	Eating	<b>4</b>	Oct	Nov-Jan	Yes	**
<b>Durondeau</b>	Eating	<b>3</b>	Sept	Oct	No	**
<b>Fondante d'Automne</b>	Eating	<b>3</b>	Sept	Oct	Yes	***
<b>Gin</b>	Perry	<b>4</b>	Oct	Nov	No	*****
<b>Gorham</b>	Eating	<b>1</b>	Sept		No	****
<b>Hendre Huffcap</b>	Perry	<b>4</b>	Oct		No	***
<b>Invincible</b>	Eating/Cooking	<b>2 SF</b>	Sept	Oct-Dec	Yes	***
<b>Jargonelle</b>	Eating	<b>1 Trip</b>	Aug		No	***
<b>Judge Amphlet</b>	Perry	<b>1</b>	Oct		No	**
<b>Louise Bonne of Jersey</b>	Eating	<b>2</b>	Sept	Oct-Jan	Yes	****
<b>Merton Pride</b>	Eating	<b>3 Trip</b>	Sept		Yes	***
<b>Onward</b>	Eating	<b>4</b>	Oct		Yes	****
<b>Precoce de Trevoux</b>	Eating	<b>2**</b>	Aug		No	***
<b>Shipover</b>	Eating/Cooking	<b>4</b>	Aug	Sept	No	*****
<b>Thorn</b>	Perry	<b>4</b>	Sept		No	****
<b>Winnal's Longdon</b>	Perry	<b>4</b>	Oct		No	*****
<b>Yellow Huffcap</b>	Perry	<b>4</b>	Oct		No	***

<sup>1</sup> A given variety will be pollinated by another variety of the same or adjacent pollinating group. All self fertile varieties will crop better when there is an additional pollinator of the same or adjacent pollinating group. Triploids will not pollinate other varieties. Varieties not compatible with dwarfing quince rootstock are grafted onto Pyrodwarf (in spite of the name a vigorous rootstock), or onto the very vigorous *Pyrus Kirchensaller* or *Pyrus communis* rootstocks. *Pyrus Kirchensaller* is an improved form of *Pyrus communis*.

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# Plums, Gages, Mirabelles, Damsons and Bullaces

## Use, pollination and disease resistance

	Cullinary use	Pollination group ** = good pollinator SF = Self fertile <sup>1</sup>	Pick	Disease resistance
<b>Bullaces</b>				
Langley	Cooking	3 SF	Oct	****
Shepherd's	Cooking	3 SF	Sept	****
<b>Damsons</b>				
Aylesbury Prune	Eating/Cooking	2 SF	Sept	***
Blue Violet	Eating/Cooking	3 SF **	Aug	***
Delma	Eating/Cooking	2 SF	Aug	***
Hauszwetsche (Sweet Prune)	Eating/Cooking	3 SF	Sept	***
Farleigh	Eating/Cooking	2 SF **	Sept	*****
Shropshire Prune	Eating/Cooking	3 SF	Sept	****
<b>Plums</b>				
Avalon	Eating	2	Aug	***
Belle de Louvain	Eating/Cooking	3 SF	Aug	****
Blaisdon Red	Eating/Cooking	3 SF **	Aug	*****
Czar	Eating/Cooking	3 SF	Aug	***
Edda	Eating	3	Sept	***
Gordon Castle	Eating	4 SF	Sept	****
Guinevere	Eating	4 SF	Oct	*****
Haganta	Eating	4	Sept	***
Herman	Eating	2 SF	July	***
Jubilee	Eating	3 SF	Aug	***
Kirke's Blue	Eating	4	Sept	***
Marjorie's Seedling	Eating	5 SF	Oct	***
Opal	Eating	3 SF	Aug	****
Rivers' Early Prolific	Eating	2 SF	July	***
Victoria	Eating	3 SF	Sept	poor
Violetta	Eating	3 SF	Aug	****
Warwickshire Drooper	Eating/Cooking	2 SF **	Aug	***
<b>Gages</b>				
Coe's Golden Drop	Eating	2 SF	Oct	***
Denniston's Superb	Eating	3 SF **	Sept	***
Reine Claude de Bavay	Eating	3 SF	Sept	***
Stella's Star	Eating/Cooking	3 SF	Aug	***
Willingham	Eating	3 SF	Aug	**
<b>Mirabelles</b>				
Countess	Eating	1	Aug	***
de Nancy	Eating	2	Sept	***
Golden Sphere	Eating/Cooking	1	Sept	***
Gypsy	Eating/Cooking	2	Sept	***
Ruby	Eating	1	Sept	***

<sup>1</sup> A given variety will be pollinated by another variety of the same or adjacent pollinating group. All self fertile varieties will crop better when there is an additional pollinator of the same or adjacent pollinating group. In most cases good cross-pollination occurs between plums, gages, mirabelles, damsons and bullaces providing they are in the same or adjacent pollinating group.

# Cherries: Use, pollination, split and canker resistance

	Colour of fruit	Tree growth <sup>1</sup>	Cullinary use	Pollination group ** good pollinator SF = self fertile <sup>2</sup>	Pick	Split resistance <sup>3</sup> 5 = best	Canker Resistance <sup>4</sup> 5 = best
<b>Sweet Cherries</b>							
<b>Black Oliver</b>	Dark Red	Spreading	Eating	3	Early Aug	5	4
<b>Celeste</b>	Dark Red	Dwarf	Eating	3 SF	Early July	3	2
<b>Colney</b>	Dark Red	Spreading	Eating	3	Mid Aug	3	3
<b>Early Rivers</b>	Dark Red	Compact	Eating	1	June	4	2
<b>Kordia</b>	Dark Red	Spreading	Eating	5	Mid Aug	3	2
<b>Lapins Cherokee</b>	Black	Upright	Eating	2 SF	Late July	4	3
<b>Merton Glory</b>	Pale Red	Spreading	Eating	2	Mid July	3	3
<b>Noir de Guben</b>	Dark Red	Compact	Eating	1	Late July	4	2
<b>Penny</b>	Black	Spreading	Eating	4 PSF	Late Aug	3	3
<b>Petit Noir</b>	Black	Dwarf	Eating	4 SF	Early Aug	3	3
<b>Regina</b>	Black	Spreading	Eating	3	Mid July	4	2
<b>Skeena</b>	Dark Red	Compact	Eating	4	Early Aug	3	3
<b>Stella</b>	Red	Upright	Eating	4 SF**	Late July	3	5
<b>Summer Sun</b>	Red	Compact	Eating	4	Late July	3	4
<b>Sunburst</b>	Dark Red	Spreading	Eating	4 SF**	Late July	1	3
<b>Sweetheart</b>	Dark Red	Upright	Eating	5 SF**	Late Aug	4	3
<b>Van</b>	Black	Compact	Eating	3 **	Mid July	3	2
<b>Vega</b>	Pale Red	Compact	Eating	3	Late July	3	4
<b>Duke Cherries</b>							
<b>Meteor Korai</b>	Red	Compact	Dual	2 SF	Late June	4	4
<b>Acid Cherries</b>							
<b>Morello</b>	Dark Red	Spreading	Cooking	<b>SF</b>	Late July	4	5
Notes							
<p><sup>1</sup> Dwarf varieties tend to be weak growing and are best grown on Colt or Gisela 6 semi-dwarf rootstock. Compact varieties are good on Colt, Gisela 6 or the dwarfing rootstock Gisela 5. Unless large trees are required, other varieties are best grown on Gisela 5 rootstock.</p> <p><sup>2</sup> Most self fertile varieties are good pollinators. The variety Penny is regarded as partially self fertile. Non self fertile varieties will be pollinated by a different variety of the same or adjacent pollinating group. For example, Vega (group 2) will be pollinated by any variety in pollination groups 1,2, or 3.</p> <p><sup>3</sup> There is considerable variation in the split resistance of the fruit of any given variety. The most influential factors are the weather, the local micro-climate and soil moisture levels. Generally however, cherries are much more prone to splitting when the weather is wet during the ripening period.</p> <p><sup>4</sup> Canker resistance varies a lot according to local environment and micro-climate. Well-ventilated and well-drained sites, where the humidity level around the trees tends to be lower, tend to suffer less from canker. The area immediately around the trees should be kept free from vegetation.</p>							

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## Woodland Hedging and Shelterbelt Tree Price List September 2017

	Unit Price (euro)				
	1 tree	2-9 trees	10-49 trees	50-199 trees	200+ trees
<b>Barerooted trees (supplied November 2017-April 2018)</b>					
Alder, Common ( <i>Alnus glutinosa</i> ) 1+1 60-100cm	n/a	n/a	1.35	1.04	0.80
Alder, Red ( <i>Alnus rubra</i> ) 1+1 80-120cm	n/a	4.00	2.81	2.25	1.80
Apple, Crab ( <i>Malus sylvestris</i> ) 1+1 60-100cm	n/a	n/a	2.28	1.82	1.40
Birch, Downy ( <i>Betula pubescens</i> ) 1+1 60-100cm	n/a	n/a	1.69	1.30	1.00
Blackthorn ( <i>Prunus Spinosa</i> ) 1+1 60-100cm	n/a	n/a	1.35	1.04	0.80
Cherry, Wild ( <i>Prunus avium</i> ) 1+1 60-100cm	n/a	n/a	1.95	1.56	1.20
Cherry, Bird ( <i>Prunus padus</i> ) 1+1 60-100cm	n/a	n/a	1.95	1.56	1.20
Cockspur Thorn ( <i>Crataegus prunifolia</i> ) 1+1 60-100cm	n/a	n/a	2.81	2.25	1.80
Dogwood ( <i>Cornus sanguinea</i> ) 1+1 60-100cm	n/a	n/a	1.69	1.30	1.00
Eleagnus ( <i>Eleagnus umbellata</i> ) 1+0 30-50cm	n/a	n/a	2.54	1.95	1.50
Eleagnus ( <i>Eleagnus umbellata</i> ) 1+1 50-80cm	6.00	5.00	4.00	P.O.A.	P.O.A.
Ginkgo ( <i>Ginkgo biloba</i> ) seed-grown 2yr 40-70cm	7.00	5.00	4.20	3.60	P.O.A.
Ginkgo ( <i>Ginkgo biloba</i> ) seed-grown 3yr 70-100cm	12.50	10.00	8.90	8.20	P.O.A.
Hawthorn ( <i>Crataegus monogyna</i> ) 1+1 60-100cm	n/a	n/a	1.35	1.04	0.80
Hawthorn ( <i>Crataegus monogyna</i> ) 1+2 100-140cm	n/a	n/a	1.95	1.56	1.20
Hazel, Common ( <i>Corylus avelana</i> ) 1+1 60-100cm	n/a	n/a	1.95	1.56	1.20
Hazel, Turkish ( <i>Corylus colurna</i> ) 2+0 80-120cm	6.00	5.00	4.38	3.50	2.80
Hazel, Turkish ( <i>Corylus colurna</i> ) 2+1 120-160cm	10.00	8.20	7.40	6.80	6.30
Hornbeam ( <i>Carpinus betulus</i> ) 1+1 60-100cm	n/a	n/a	1.95	1.56	1.20
Horse Chestnut ( <i>Aesculus hippocastanum</i> ) 1+0 60-90cm	n/a	n/a	2.28	1.82	1.40
Lime, Small-leaved ( <i>Tilia cordata</i> ) 1+1 80-120cm	n/a	n/a	3.13	2.50	2.00
Lime, Small-leaved ( <i>Tilia cordata</i> ) 2+1 120-160cm	7.00	6.00	4.50	3.20	P.O.A.
Maple, Field ( <i>Acer campestre</i> ) 1+1 60-100cm	n/a	n/a	1.69	1.30	1.00
Oak, Sessile ( <i>Quercus petraea</i> ) 1+1 60-100cm	n/a	n/a	2.81	2.25	1.80
Poplar, White ( <i>Populus alba</i> ) 1+1 60-100cm	n/a	n/a	1.69	1.30	1.00
Robinia ( <i>Robinia pseudoacacia</i> ) 1+1 60-100cm	n/a	n/a	2.28	1.82	1.40
Rose, Eglantine ( <i>Rosa rubiginosa</i> ) 2+1 60-100cm	7.00	6.00	4.50	P.O.A.	P.O.A.
Rose, Ramanas ( <i>Rosa rugosa</i> ) 1+1 50-80cm	n/a	n/a	1.95	1.56	1.20
Rowan ( <i>Sorbus aucuparia</i> ) 1+1 60-100cm	n/a	n/a	1.95	1.56	1.20
Sea Buckthorn ( <i>Hippophae rhamnoides</i> ) 1+1 60-100cm	n/a	n/a	1.95	1.56	1.20
Sea Buckthorn ( <i>Hippophae Rhamnoides</i> ) 2+1 100-140cm	n/a	n/a	2.81	2.25	1.80
Service Tree ( <i>Sorbus domestica</i> ) 1+0 50-80	7.00	6.00	5.50	4.38	3.50
Spindle ( <i>Euonymus europaeus</i> ) 1+1 60-100cm	n/a	n/a	2.28	1.82	1.40
Sweet Chestnut, European ( <i>Castanea sativa</i> ) 1+1 60-100cm	n/a	n/a	2.81	2.34	1.80
Sweet Chestnut, ( <i>C.crenata x C.sativa</i> ) 1+1 60-100cm	n/a	n/a	4.38	3.50	2.80
Sycamore ( <i>Acer pseudoplatinus</i> ) 1+1 60-100cm	n/a	n/a	1.69	1.30	1.00
Walnut, Black ( <i>Juglans nigra</i> ) 1+1 80-100cm	n/a	n/a	3.13	2.50	2.00
Walnut, Hybrid ( <i>J. nigra x regia</i> ) 2+0 60-90cm	n/a	n/a	7.40	6.60	5.96
Walnut, Hybrid ( <i>J. nigra x regia</i> ) 2+1 90-120cm	n/a	n/a	9.50	8.25	7.40
Walnut, Hybrid ( <i>J. nigra x regia</i> ) 2+1 120-160cm	15.00	13.50	12.00	10.00	9.20
Walnut, European ( <i>Juglans regia</i> ) 1+1 80-100cm	n/a	n/a	3.91	3.13	2.50
Whitebeam, Swedish ( <i>Sorbus intermedia</i> ) 1+1 60-100cm	n/a	n/a	2.81	2.25	1.80
Willow, Eared ( <i>Salix aurita</i> ) 1+1 60-100cm	n/a	n/a	1.95	1.56	1.20
Willow, Goat ( <i>Salix caprea</i> ) 1+0 60-100cm	n/a	n/a	1.69	1.30	1.00
Willow, Grey ( <i>Salix cinera</i> ) 1+0 60-100cm	n/a	n/a	1.69	1.30	1.00
Willow, Creeping ( <i>Salix repens</i> ) 1+1 60-100cm	n/a	n/a	2.28	1.82	1.40

Key: The first set of numbers refer to the number of years grown prior to transplanting, plus the number of additional years grown on, if any. For example, 2+1 indicates two years plus an additional year after transplanting. Usually roots are pruned at the time of transplanting (this reduces subsequent root damage when the trees are planted out into their final location). The second set of numbers refers to the height.

## Woodland Hedging and Shelterbelt Tree Price List September 2017

Container-grown trees/bushes (supplied all year subject to availability)						
	Unit Price (euro)					
	1 tree	2 trees	3-9 trees	10-49 trees	50-199 trees	200+ trees
<b>Gorse, European (<i>Ulex europaeus</i>) 3yr 40-70cm 5L</b>	6.50	5.50	5.00	4.38	3.50	P.O.A
<b>Holly (<i>Ilex aquifolium</i>) 30-40cm P9</b>	n/a	n/a	n/a	3.13	2.50	2.00
<b>Holly (<i>Ilex aquifolium</i>) 40-60cm 2.5L</b>	6.50	5.50	5.00	4.38	3.50	P.O.A.
<b>Holly (<i>Ilex aquifolium</i>) 60-90 cm 7L</b>	10.00	8.80	7.80	7.20	6.50	P.O.A.
<b>Holly (<i>Ilex aquifolium</i>) 90-120 cm 15L</b>	15.00	13.50	12.00	10.50	P.O.A.	P.O.A.
<b>Monkey Puzzle (<i>Araucaria araucana</i>) 12-20cm P9</b>	10.00	8.80	7.80	6.90	6.50	P.O.A.
<b>Monkey Puzzle (<i>A. araucana</i>) 20-30cm 3L airpot</b>	15.00	13.50	12.00	10.50	9.50	P.O.A.
<b>Monkey Puzzle (<i>A. araucana</i>) 30-50cm 9L airpot</b>	25.00	22.00	20.00	18.00	16.50	P.O.A.
<b>Monkey Puzzle (<i>A. araucana</i>) 50cm+ 25L airpot</b>	50.00	45.00	40.00	35.00	30.00	P.O.A.
<b>New Zealand Flax (<i>Phormium tenax</i>) 2yr 3L airpot</b>	6.50	5.50	5.00	4.38	3.50	P.O.A.
<b>Oak, Holm (<i>Quercus ilex</i>)15-25cm plug</b>	n/a	n/a	n/a	n/a	3.13	2.50
<b>Oak, Holm (<i>Quercus ilex</i>) 2yr 25-40cm 3L airpot</b>	7.00	6.00	5.40	4.80	4.30	3.90
<b>Oak, Holm (<i>Quercus ilex</i>) 3yr 40-60cm 3L airpot</b>	10.00	8.50	7.30	6.50	5.90	5.40
<b>Oak, Holm (<i>Quercus ilex</i>) 4yr 60-90cm 9L airpot</b>	15.00	13.50	12.00	10.50	P.O.A.	P.O.A.
<b>Oak, Cork (<i>Quercus suber</i>) 15-25cm plug</b>	n/a	n/a	n/a	n/a	3.50	2.80
<b>Oak, Cork (<i>Quercus suber</i>) 2yr 25-40cm 3L airpot</b>	7.00	6.00	5.40	4.80	4.30	3.90
<b>Oak, Cork (<i>Quercus suber</i>) 3yr 40-60cm 3L airpot</b>	10.00	8.80	7.80	7.20	6.50	5.90
<b>Pine, Swiss Stone Pine (<i>Pinus cembra</i>) 2yr 10-15cm P9</b>	n/a	n/a	n/a	3.60	3.00	2.40
<b>Pine, Swiss Stone Pine (<i>Pinus cembra</i>) 3yr 15-25cm 3L airpot</b>	8.40	7.40	6.50	6.00	5.60	P.O.A.
<b>Pine, Macedonian (<i>Pinus peuce</i>) 1yr 12-20cm P9</b>	n/a	n/a	n/a	3.13	2.50	2.00
<b>Pine, Macedonian (<i>Pinus peuce</i>) 2yr 30-50cm 3L airpot</b>	7.00	6.00	5.40	4.80	4.30	P.O.A.
<b>Pine, Maritime (<i>Pinus pinaster</i>) 40-60cm 3L airpot</b>	6.50	5.50	5.00	4.38	P.O.A.	P.O.A.
<b>Pine, Maritime (<i>Pinus pinaster</i>) 60-100cm 9L airpot</b>	10.00	8.80	7.80	7.20	P.O.A.	P.O.A.
<b>Pine, Mediterranean (<i>Pinus pinea</i>) 15-25cm plugs</b>	n/a	n/a	n/a	n/a	3.50	2.80
<b>Pine, Mediterranean (<i>Pinus pinea</i>) 2yr 25-40cm 3L airpot</b>	10.00	8.80	7.80	7.20	6.50	5.90
<b>Pine, Mediterranean (<i>Pinus pinea</i>) 3yr 40-60cm 3L airpot</b>	15.00	13.50	12.00	10.50	9.50	8.50
<b>Pine, Mediterranean (<i>Pinus pinea</i>) 4yr 60-90cm 9L airpot</b>	24.00	22.00	20.00	18.00	16.50	P.O.A.
<b>Pine, Mediterranean (<i>Pinus pinea</i>) 5yr 90cm-120cm 25L airpot</b>	50.00	45.00	40.00	35.00	30.00	P.O.A.
<b>Pine, Mediterranean (<i>Pinus pinea</i>) 6yr 120cm+ 45L airpot</b>	90.00	82.00	74.00	66.00	P.O.A.	P.O.A.
<b>Pine, Dwarf Siberian (<i>Pinus pumila</i>) 2yr 7-12cm P9</b>	n/a	n/a	n/a	3.60	3.00	2.40
<b>Pine, Dwarf Siberian (<i>Pinus pumila</i>) 3yr 20-30cm 3L airpot</b>	8.40	7.40	6.50	6.00	5.60	P.O.A.
<b>Pine, Digger (<i>Pinus sabiniana</i>) 2yr 20-30cm 3L airpot</b>	15.00	13.50	12.00	10.50	P.O.A.	P.O.A.
<b>Pine, Digger (<i>Pinus sabiniana</i>) 2yr 30-45cm 9L airpot</b>	25.00	22.00	20.00	18.00	P.O.A.	P.O.A.
<b>Pine, Siberian (<i>Pinus siberica</i>) 2yr 10-15cm 3L airpot</b>	10.00	8.80	7.80	7.20	6.50	5.90
<b>Pine, Siberian (<i>Pinus siberica</i>) 3yr 15-25cm 3L airpot</b>	15.00	13.50	12.00	10.50	9.50	8.50
<b>Pine, Siberian (<i>Pinus siberica</i>) 4yr 25-40cm 9L airpot</b>	25.00	22.00	20.00	18.00	P.O.A.	P.O.A.
<b>Pine, Blue (<i>Pinus wallichiana</i>) 1yr 12-20cm P9</b>	n/a	n/a	n/a	3.60	3.00	2.40
<b>Pine, Blue (<i>Pinus wallichiana</i>) 2yr 40-60cm 3L airpot</b>	8.40	7.40	6.50	6.00	5.60	P.O.A.
<b>Redwood, Dawn (<i>Metasequoia glyptostroboides</i>) 1yr 30-50cm P9</b>	n/a	n/a	n/a	4.30	3.50	2.80
<b>Redwood, Dawn (<i>Metasequoia glyptostroboides</i>) 2yr 60-100cm 3L airpot</b>	10.00	8.80	7.80	7.20	6.50	5.90
<b>Redwood, Dawn (<i>Metasequoia glyptostroboides</i>) 3yr 100cm+ 9L airpot</b>	20.00	17.60	15.60	14.40	13.00	P.O.A.
<b>Swamp Cypress, Chinese (<i>Glyptostrobos pensilis</i>) 2yr 30-50cm 3L airpot</b>	15.00	13.50	12.00	10.50	9.50	8.50

Key to container sizes: P9 pots are approx 9cm x 9cm x 9cm high. All other pots are numbered according to their size in litres. For example 3L indicates a 3 litre pot.

# Woodland Hedging and Shelterbelt Tree Order Form September 2017

	Quantity, Size, Unit Price	Total Price
<b>Total (please note minimum order size €100)</b>		
<b>Carriage (please add 15 percent, subject to a minimum of €20.00)</b>		
<b>Total Amount incl. carriage</b>		

**Cheques, drafts or postal orders should be made payable to the Sustainability Institute**  
 Please send to: The Sustainability Institute, Cooloughra, Ballinrobe Rd, Westport, Co. Mayo. phone 087 6714075 or email office@fruitandnut.ie.

# Rootstock and Graftwood Price List September 2017

## Rootstocks (supplied February-April 2018)

	Price per unit (€)			
	10-20 units	30-50 units	60-190 units	200+ units
<b>Apple Rootstocks</b>				
M25 (Vigorous) 2yr 9-11mm	2.60	2.20	1.87	1.59
M111 (Vigorous, tolerance of wetter soils) 2yr 9-11mm	2.60	2.20	1.87	1.59
MM106 (Moderately vigorous) 2yr 9-11mm	2.60	2.20	1.87	1.59
M116 (Medium sized, good disease resistance) 2yr 7-9mm	3.20	2.70	2.30	1.95
M26 (Moderately dwarfing) 2yr 9-11mm	2.60	2.20	1.87	1.59
M9 (Dwarfing) 2yr 9-11mm	2.60	2.20	1.87	1.59
M27 (Ultra-dwarfing) 2yr 9-11mm	2.95	2.50	2.13	1.81
<b>Pear Rootstocks</b>				
<i>Pyrus communis</i> (Vigorous) 2yr 7-9mm	2.30	1.95	1.66	1.41
<i>Pyrus Kirchsaller</i> (Vigorous, precocious) 2yr 7-9mm	2.95	2.50	2.13	1.81
Pyrodwarf (Moderately vigorous) 2yr 9-11mm	4.85	4.11	3.50	P.O.A.
Swedish Whitebeam (Slightly dwarfing) 2yr	3.13	3.13	2.50	2.00
Rowan (Semi-dwarfing) 2yr	1.95	1.95	1.56	1.20
Quince BA29 (Slightly dwarfing) 2yr 11-13mm	2.95	2.50	2.13	1.81
Quince A (Semi-dwarfing) 2yr 9-11mm	2.60	2.20	1.87	1.59
Quince EMH (Dwarfing, heavy cropper) 2yr 7-9mm	2.95	2.50	2.13	1.81
Quince C (Dwarfing) 2yr 7-9mm	2.60	2.20	1.87	1.59
<b>Plum/Damson Rootstocks</b>				
Myrobalen B (Very vigorous)	2.30	1.95	1.66	1.41
Brompton (Vigorous)	2.30	1.95	1.66	1.41
Jaspi (Semi-vigorous, tolerance of wetter soils) 2yr 9-11mm	4.85	4.11	3.50	P.O.A.
St. Julien A (Semi-vigorous) 2yr 9-11mm	2.60	2.20	1.87	1.59
Plumina (Semi-dwarfing, heavy cropper) 2yr 9-11mm	4.85	4.11	3.50	P.O.A.
Pixy (Semi-dwarfing) 2yr 9-11mm	2.95	2.50	2.13	1.81
<b>Cherry Rootstocks</b>				
F.12.1 (Very vigorous) 2yr 9-11mm	2.95	2.50	2.13	1.81
Mahaleb (Vigorous) 2yr 9-11mm	2.60	2.20	1.87	1.59
MxM14 (Semi-vigorous, good canker resistance) 2yr 9-11mm	2.60	2.20	1.87	1.59
Colt (Medium sized) 2yr 9-11mm	2.90	2.50	2.13	1.81
Gisela 6 (Semi-dwarfing) 2yr 11-13mm	4.85	4.11	3.50	2.98
Gisela 5 (Dwarfing) 2yr 7-9mm	4.00	3.40	2.89	2.46
<b>Graftwood (supplied February-April 2017)</b>				
Apple varieties (including cider): Ardcairn Russet, Ashmeand's Kernel, Bardsey, Beauty of Bath, Bramley's Seedling, Cornish Aromatic, Court of Wick, Court Pendu Plat, Crawley Beauty, Dabinette, D'Arcy Spice, Discovery, Edward VII, Egremont Russet, Gennet Moyle, Gladstone, Golden Pippin, Greensleeves, Grenadier, Harry Masters, Keswick Codlin, Lane's Prince Albert, Lemon Pippin, Morgan's Sweet, Newton Wonder, Orleans Reinette, Reverend W Wilks, Rosemary Russet, St Edmunds Russet, Sunset, Tom Putt				
Pear varieties: Beth, Black Worcester, Buerré Hardy, Catillac, Concorde, Conference, Durondeau, Fondante d'Automne, Jargonelle, Louis Bonne of Jersey, Onward, Précoce de Trévoux, Shipover				
Perry Pear varieties: Gin, Hendre Huffcap, Thorn, Winal's Longdon, Yellow Huffcap				
Price: €6.00 per length (sufficient for 3-5 grafts) €40.00 per 10 lengths				
<b>Grafting Tape</b>				
Polythene grafting tape, 25mm, white: €15.00 per roll (sufficient for approx 600-750 grafts). 5 rolls €50.00				
Parafilm biodegradable grafting tape, 25mm: €10.00 per roll (sufficient for approx 50 grafts); Box of 6 rolls €50.00; Case of 72 rolls €400.00; 3 or more cases €350.00 ea				

## Rootstocks, Graftwood and Grafting Tape Order Form

Please note that rootstocks sell out very early - popular varieties are sold out as early as November. To avoid disappointment, large orders should be placed as early as possible. International enquiries welcome - see delivery charges below. Minimum quantity of any variety = 10 rootstocks (20 for international orders). Minimum order size for despatched orders = 30 rootstocks/ €75 (40 rootstocks/ €100 for international orders).

Rootstock Delivery Charges (€)						Graftwood and Grafting Tape Delivery Charges (€)	
Ireland		Northern Ireland	Mainland Britain		Other EU and EEA countries	Ireland (incl. N.Ireland)	International (EU and EEA)
Quantity	Cost	Cost	Quantity	Cost	Cost	Small quantities delivered free if ordered with rootstocks otherwise minimum charge €6.00 (For larger orders please ask for quote)	Small quantities delivered free if ordered with rootstocks otherwise minimum charge €15.00 (For larger orders please ask for quote)
30-50	17.50	25.00	40-50	48.00	60.00		
60-100	20.00	28.00	60-100	56.00	69.50		
110-150	25.00	34.00	110-150	62.50	76.50		
160-200	30.00	40.00	160-200	69.00	83.50		
210-250	35.00	46.00	210-250	75.00	90.00		
260-500	60.00	75.00	260-500	135.00	160.00		
510-1000	80.00	100.00	510-1000	170.00	200.00		

Rootstocks			
Rootstocks (variety)	Quantity	Unit Price	Total Price
<b>Total amount</b>			
<b>Carriage</b>			
<b>Total Amount incl Carriage</b>			

Graftwood and Grafting Tape			
Graftwood (variety)	Quantity	Unit Price	Total Price
Grafting Tape (state type)	Quantity	Unit Price	Total Price
<b>Total amount Graftwood and Grafting Tape</b>			
<b>Carriage (see above)</b>			
<b>Total amount incl carriage</b>			
<b>Total amount Rootstocks, Graftwood and Grafting Tape</b>			