



# SCOTIA SEEDS

wildflowers of scotland

2010

# Biodiversity from the roots up!

Planting native wildflowers is the best (& easiest) way to improve biodiversity in your garden, community project, farm or designed landscape. Individual plants, as well as being attractive & useful additions to your formal border, are a vital source of food for many insects and birds. Plant a meadow & you will have an attractive, low maintenance but high benefit habitat that will give you years of pleasure. In addition wildflowers have a rich cultural background, from their fascinating local names to the traditional uses that people have put them to over the centuries.

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# Wildflower Seed Packets



very popular with bees



provides food for birds



butterflies love this



good for wet areas



moths love this



happy in woodlands



suitable for light shade such as hedgerows



enjoys sunny open sites



night-scented



enjoys dry/free draining sites

**P**

perennial

**A**

annual

**B**

biennial

## Single species

### Bloody Cranesbill

£1.95

*Geranium sanguineum*

Rich magenta or pale pink flowers with attractive rounded plants. For well drained, sunny sites. Up to 30cm tall. 30-50 seeds per packet.

**P**



### Bluebell (Wild Hyacinth)

£1.95

*Hyacinthoides non-scripta*

Familiar woodland plant which forms a carpet of highly-scented, intense blue in spring. Our Bluebell seeds are sold under licence from the Scottish Government 40cm. 50-100 seeds per packet.

**P**



**Clustered Bellflower** **£1.99**

*Campanula glomerata*

Attractive spikes of deep purple bell-like flowers. For open well-drained sites. 60 cm. 1000+ seeds per packet.



**Common Mallow** **£1.75**

*Malva sylvestris*

Tall plant of open places with large pink/mauve flowers. 90 cm. 150-200 seeds per packet



**Cornflower** **£1.99**

*Centaurea cyanus*

Intense blue, vigorous flower of sunny fertile sites, once common in arable fields, but now rare. 60 cm. 50-150 seeds per packet



**Corn Marigold** **£1.75**

*Chrysanthemum segetum*

Large, daisy-like, golden-yellow flowers. For open sunny sites. 60 cm. 150-250 seeds per packet



**Cowslip** **£1.99**

*Primula veris*

Bright yellow spring meadow flower, now scarce in the wild. For open, sunny sites. 30 cm. 200-400 seeds per packet



**Field Scabious** **£1.99**

*Knautia arvensis*

Late summer wildflower with flat lilac flower heads. Very good nectar plant for butterflies. 100 cm. 50-100 seeds per packet.



**Foxglove** **£1.99**

*Digitalis purpurea*

Stately, tall plant of woodland edges & rocky places, with pink or white bell shaped flowers sprinkled with copper 'freckles'. Loved by bumblebees. 150 cm. 1000+ seeds per packet



**Giant Bellflower** **£1.99**

*Campanula latifolia*

Tall, elegant shade-tolerant plant with white/pale lilac flowers. 150 cm. 500-1000 seeds per packet



**Goatsbeard** **NEW FOR 2010!** **£2.50**

*Tragopogon pratensis*

Also known as Jack-go-to-bed-at-noon as, by the afternoon, it has closed its yellow pom-pom flowers leaving striking spiral flower buds. After flowering it produces large, delicate, dandelion-clock like seed-heads. 90cm. 20-30 seeds per packet



**Greater Knapweed** **£1.99**

*Centaurea scabiosa*

Tall meadow flower of open places with feathery, red-purple flowers, attractive to butterflies. 90 cm. 50-100 seeds per packet



**Heather** **£1.99**

*Calluna vulgaris*

Woody shrub typical of Scottish moorland. Purple/pink flowers in late summer popular with bees. Up to 60 cm. 1000+ seeds per packet



**Kidney Vetch** **£1.99**

*Anthyllis vulneraria*

Low growing wildflower of coastal areas with fuzzy, yellow flower heads. For sunny, well-drained sites. Good for bumblebees. Up to 20cm tall. 100-200 seeds per packet.



**Maiden Pink** **£1.75**

*Dianthus deltoides*

Charming, tuft-forming plant with deep pink flowers. Now scarce in the wild. Happy in sunny, well-drained sites. 30 cm. 300- 500 seeds per packet.



**Meadowsweet** **£1.99**

*Filipendula ulmaria*

Tall, sweet-scented plant with fluffy, creamy-white flowers. Happy at pond edge or damp site. 100 cm. 200-500 seeds per packet.



**Meadow Cranesbill** **£1.75**

*Geranium pratense*

Tall, bushy meadow perennial, especially of damp soils. Large, amethyst flowers. 100 cm. 50-150 seeds per packet.



**Melancholy Thistle** **£2.50**

*Cirsium heterophyllum*

A slender elegant thistle of damp hedgerow places. Although a thistle it is not prickly & is not usually invasive! 100cm. 50-100 seeds per packet.



**Mullein** **£1.99**

*Verbascum thapsus*

Tall yellow-flowered plant of sunny banks & woodland clearings. Hairy felt-like leaves. Up to 180 cm. 500-1000 seeds per packet.



**Nottingham Catchfly** **£2.50**

*Silene nutans*

Delicate, rare species for well-drained soil & sunny sites. Pale, night-scented flowers attract insects & as a result, bats. 80 cm. 200-500 seeds per packet.



**Ox-eye Daisy** **£1.99**

*Leucanthemum vulgare*

Vigorous white wildflower with large cheerful white flower heads with yellow centres.

100 cm. 400-500 seeds per packet.



**Poppy** **£1.99**

*Papaver rhoeas*

One of the most popular wildflowers, a cornfield annual with fantastic scarlet flowers.

For open, sunny places. 60 cm. 1000+ seeds per packet.



**Primrose** **£1.99**

*Primula vulgaris*

One of the first spring flowers, found in woods & on grassy banks. Pale yellow flowers.

25 cm. 50-150 seeds per packet.



**Ragged Robin** **£1.99**

*Lychnis flos-cuculi*

Ragged-petaled, pink flowers which wave in the wind. Found in damp meadows & woods. 70 cm. 1000+ seeds per packet.



**Red Campion** **£1.99**

*Silene dioica*

Vigorous red/pink flower of woods & hedgerows. 90 cm. 300-500 seeds per packet.



**St. John's Wort** **£1.99**

*Hypericum perforatum*

A robust, bushy plant, happy on a wide range of sites. Glossy golden flowers. 90 cm. 1000+ seeds per packet.



**Scottish Bluebell (Harebell) £1.99**

*Campanula rotundifolia*

Delicate, blue flower of open grassland. Likes well-drained, sunny sites.

40 cm. 1000+ seeds per packet.



**Scottish Primrose £3.75**

*Primula scotica*

A rare, delicate wildflower found in the wild only in northern Scotland. It has tiny, yellow-centred, burgundy flowers. 10 cm. 50-150 seeds per packet.



**Selfheal £1.99**

*Prunella vulgaris*

Vigorous, low-spreading plant with violet flowers. Suited to a range of sites from open sun to shade. 30 cm. 400-600 seeds per packet.



**Sneezewort NEW FOR 2010! £2.50**

*Achillea ptarmica*

Clusters of small, white, daisy-like flowers are produced on this short perennial that is found in damp, open places. 30 cm. 500-800 seeds per packet.



**Tansy £1.99**

*Tanacetum vulgare*

Tall, aromatic, yellow-flowered species with dark, feathery foliage. Enjoys sunny & lightly-shaded sites. 150 cm. 300-500 seeds per packet.



**Teasel £1.99**

*Dipsacus fullonum*

Tall biennial with large seed heads which look beautiful over winter. Prefers open sites.

200 cm. 50-100 seeds per packet



**Thrift** **£1.99**

*Armeria maritima*

A plant of open rocky places, usually by the sea. It has narrow leaves that form dense tufts with abundant candy pink flowers on stalks up to 25 cm tall. 100-200 seeds per packet.



**Toadflax** **£1.99**

*Linaria vulgaris*

Small spikes of yellow and orange flowers. Found in grasslands and roadsides. 60 cm. 100-200 seeds per packet.



**Viper's Bugloss** **£1.99**

*Echium vulgare*

Produces spectacular spikes of blue flowers that are very attractive to bees, butterflies & moths. 100 cm. 50-150 seeds per packet.



**Violet** **NEW FOR 2010!** **£2.50**

*Viola riviniana*

Little, spring-flowering purple flower with dark, glossy green, heart-shaped leaves, found on banks beside burns, in woodland clearings & hedgerows. 10 cm. 100-200 seeds per packet.



**Water Avens** **NEW FOR 2010!** **£2.50**

*Geum rivale*

This delicate waterside species flowers early in the year and has down-turned peachy petals on scarlet stems. 100-200 seeds per packet.



**White Campion** **£1.99**

*Silene alba*

A wildflower of open, free-draining sunny sites, it produces masses of white flowers on long red or green stems. 100 cm. 400-600 seeds per packet.



## Wild Marjoram

£1.75

*Origanum vulgare*

A scented herb, similar to cultivated marjoram or oregano. Pink flowers that attract bees. 60 cm. 1000+ seeds per packet.



## Wild Thyme

£1.99

*Thymus polytrichus*

Aromatic, low-growing & mat forming shrub with small pink flowers. Likes dry, open sites & is ideal for growing in walls or in paving. 5 cm tall. 200-400 seeds per packet.



## Yarrow

£1.75

*Achillea millefolium*

Vigorous meadow flower with heads of white and sometimes rosy-pink flowers. 70 cm. 500-1000 seeds per packet.



## Yellow Flag

£1.95

*Iris pseudacorus*

Striking and elegant wild yellow Iris. Found in the wild around ponds and ditches, it can live in any soil that is deep & does not dry out. Up to 120 cm. Approx. 25 seeds per packet.



## Mini-mixes

Seed packets with a mix of species that will cover approximately 2 to 3m<sup>2</sup>

### **Butterfly Mini-mix** **£3.75**

Clustered Bellflower, Common Knapweed, Field Scabious & Wild Marjoram. A mixture of wildflowers that provide a good source of nectar for butterflies. 1000+ seeds per packet.



### **Bumblebee Mini-mix** **£3.75**

Bush Vetch, Devil's-bit Scabious, Red Clover, Toadflax and Vipers Bugloss. A mix of species that are loved by bumblebees. 1000+ seeds per packet



### **Cornfield Mini-mix** **£3.75**

A colourful mix of Cornflower, Corn Marigold, Corn Poppy and Mayweed. A one year mix, that provides a quick & colourful display & nectar for insects. 1000+ seeds per packet.



### **Pond Edge Mini-mix** **£3.75**

Meadowsweet, Ragged Robin, Water Avens & Yellow Flag. These species will add interest to the shallows & edges of a pond & provide food & shelter for insects. 1000+ seeds per packet.



### **Seaside Mini-mix** **£3.75**

Kidney Vetch, Scottish Bluebell (Harebell), Sea Campion & Thrift. These colourful species are salt & wind tolerant & are ideal for a seaside or free-draining exposed area. 500-1000 seeds per packet.



### **Woodland Mini-mix** **£3.75**

Bluebell, Giant Bellflower, Primrose, Red Campion & Slender St. John's Wort. This collection of woodland plants adds colour & interest to your woodland or shady patch. 500-1000 seeds per packet.



**Windowbox Mini-mix** **£3.75**

**NEW for 2010!**

Maiden Pink, Rock Rose, Scottish Bluebell & Thrift. These low growing plants can be found in sunny, exposed places that can be quite dry so are ideal for a window box. 500-1000 seeds per packet.



**Winter Wildflowers Mini-mix** **£3.75**

**NEW for 2010!**

Hedge Parsley, Mullein, Teasel & Wild Carrot. The beautiful stems & seed heads of these wildflowers look stunning when covered in frost & will provide food & shelter for birds & insects during the winter. 500-1000 seeds per packet.

**B**

**Tree seeds**

Tree seeds sustainably harvested from ancient Scottish woodlands

**Silver Birch** **£2.50**

*Betula pendula*

Fast growing, slender & graceful tree with attractive pale bark. Grows up to 30 m. 50-150 seeds per packet.

**Scots Pine** **£2.50**

*Pinus sylvestris*

Seeds of this lovely, slow-growing tree from the ancient Caledonian forest. Scots Pines make fine Christmas trees – look out for our special Christmas Tree Scots Pine packets...

Grows up to 25 m tall. 50-100 seeds per packet

**Rowan/ Mountain Ash** **£2.50**

*Sorbus aucuparia*

This lovely small tree is striking in autumn with its rich orange foliage and glossy red berries beloved of birds. Grows 10-15m tall. 50-150 seeds per packet

## **Yellow Rattle**

*Rhinanthus minor*

This is an attractive and useful annual plant that is hemi-parasitic and so weakens grasses and clovers by feeding on their roots, allowing other plants more space to grow.

It is effective when added to an established meadow by sowing in a wide area or in patches, from which the plants will spread in future years.

It must be sown in the winter (Oct – Dec) after first cutting or grazing the area then raking or rotovating to weaken the grass and provide bare soil. Scatter the seed and roll or trample it to create good contact with the soil.



Sowing rate: 1g/m<sup>2</sup>

1g: **£4**

10g: **£6**

50g: **£12**

100g: **£18**

## **Seed Mixtures**

(Wildflower and grass mixes)

Our wildflower mixes contain native plant species in the best proportions to create a colourful, balanced community of different plants. Most soils in Scotland which can be cultivated are near neutral or slightly acid and our mixtures reflect this.

### **Special Mixes**

As well as our standard mixes we can also make up a mix to your specific requirements (for any volume over 1kg)

### **Fertility**

- Perennial wildflower mixes and meadows grow better on sites with low fertility. Fertile sites, such as former arable fields, give fast growing, dominant plants too much of an opportunity to thrive, and out compete slower species, resulting in a smaller range of wildflowers establishing. Aggressive arable weeds such as docks and nettles enjoy high fertility and may invade your meadow. Any fertile site can be improved after sowing by cutting and removing the cuttings over 1 or 2 years.
- Cornfield annuals (such as Cornflower and Poppy) prefer fertile sites as they evolved alongside arable crops such as wheat.

### **Preparation**

- Ideally, existing vegetation should be killed off and soil should be rotovated or harrowed and, where possible, left for 3 to 4 weeks to allow weed seeds to

germinate. Any weed seedlings should then be destroyed. Don't add fertilizer.

- If the soil cannot be prepared in this way, existing vegetation should be cut down as low as possible and the surface raked or rotovated to expose as much bare soil as possible.

## Sowing

- Sow in either: **Spring** (March to mid-June) or **Autumn** (August to late-September)
- Mix the seed well!
- Either broadcast seed by hand or use a seeder suitable for grass seed. If sowing by hand, sawdust or sand may be mixed in to make the seed easier to handle.
- After sowing, the site should be rolled or trodden in to improve seed contact with the soil

## Sowing Rate

### Meadow mixes (grass and wildflowers)

**3g\* /m<sup>2</sup>**  
or **12kg\* /acre**  
or **30kg\* /hectare**

i.e.

**100g** will cover approximately 30 m<sup>2</sup>

**1kg** will cover approximately 300 m<sup>2</sup>

\*A lower sowing rate of 2g/m<sup>2</sup> can be used on a site of over 500m<sup>2</sup> with a good, weed-free seedbed.

### Wildflower mixes (without grass)

**2g /m<sup>2</sup>**  
or **8 kg /acre**  
or **20 kg /hectare**

i.e.

**100g** will cover approximately 50 m<sup>2</sup>

**1kg** will cover approximately 500 m<sup>2</sup>

## Ongoing meadow management

Plant a meadow, however small, and you will have an easy to maintain, beautiful habitat that will continue to change and develop subtly over the years. As well as the benefits of nectar provided by wildflowers, native grasses also provide food and shelter for a wide range of animal species, from field voles to caterpillars.

- For spring-sown meadows, cut once (to about 10cm) as soon as the meadow has reached about 40cm. This kills unwanted weeds and allows the sown species light and space.
- For autumn-sown meadows, cut in the first spring in April or May.
- After the first year most meadows need little maintenance, all they require is to be cut or grazed yearly at the end of the season in late September. The exception is our Highland Grassland Mix which can be left once established without cutting. It can however be lightly grazed in autumn.
- If desired, meadows can be left over winter, to provide food and shelter for birds and to leave attractive grasses and seed heads that can provide winter structure but the meadow must then be cut in early spring before it begins to grow.
- Always remove cuttings and never add fertilizer.
- The species in a mixture will establish and flower at different rates and the meadow will change over a number of years until the species are eventually in balance.

## Managing wildflower mixes without grasses

- The Cornfield Annual Mix provides a colourful display in the year it is planted if sown in spring, or the following year if sown in autumn. Once finished, the flowers are unlikely to reappear the next year although rotovating the area after seed has set will allow any seed present to germinate, and more seed can be added.
- The Bee, Bird & Butterfly and Pond-Edge mixes are perennial mixes and will reappear indefinitely. Although the Bee, Bird & Butterfly mix can be cut back after flowering, leaving the seed heads and dried plants provides a striking winter feature as well as food and shelter for wildlife.
- All of our meadow mixes can be provided without the grasses, either to grow as blocks of mixed wildflowers (in which case manage the area in the same way as our perennial wildflower mixes) or to add to existing grassland (and manage as a meadow).

## Mavisbank Meadow Mix

Our most popular mixture, a general mix for well-drained, loamy soils in open sites, this provides a range of plants for a type of species-rich grassland widespread in Scotland.

<b>wildflowers (20%)</b>		<b>%</b>
<i>Achillea millefolium</i>	Yarrow	1.1
<i>Centaurea nigra</i>	Common Knapweed	2.5
<i>Galium verum</i>	Lady's Bedstraw	2
<i>Lathyrus pratensis</i>	Meadow Vetchling	0.1
<i>Leontodon autumnalis</i>	Autumn Hawkbit	0.3
<i>Leucanthemum vulgare</i>	Ox-eye Daisy	2.5
<i>Lotus corniculatus</i>	Birdsfoot Trefoil	1
<i>Pimpinella saxifraga</i>	Burnet Saxifrage	1
<i>Plantago lanceolata</i>	Ribwort Plantain	2.5
<i>Primula veris</i>	Cowslip	1
<i>Prunella vulgaris</i>	Selfheal	2.5
<i>Ranunculus acris</i>	Meadow Buttercup	2.5
<i>Rumex acetosa</i>	Common Sorrel	0.2
<i>Succisa pratensis</i>	Devils-bit Scabious	0.2
<i>Vicia cracca</i>	Tufted Vetch	0.6
<b>grasses (80%)</b>		
<i>Agrostis capillaris</i>	Common Bent <sup>(c)</sup>	12
<i>Alopecurus pratensis</i>	Meadow Foxtail <sup>(c)</sup>	4
<i>Anthoxanthum odoratum</i>	Sweet Vernal Grass	3
<i>Cynosurus cristatus</i>	Crested Dog's Tail <sup>(c)</sup>	12
<i>Festuca rubra ssp. commutata</i>	Chewings Fescue <sup>(c)</sup>	33
<i>Poa pratensis</i>	Smooth-stalked Meadow Grass <sup>(c)</sup>	16

(c): from cultivated stock (not from wild collection)

100g: **£9.50**

1kg: **£60**

## MG5 Meadow Mix with wild origin grasses

This general mix for well-drained, loamy soils in open sites uses wild origin grasses as well as the wild origin wildflowers that are used in all our mixes. It is based on British Plant Communities Mesotrophic Grassland 5 (*Cynosurus cristatus* - *Centaurea nigra* grassland)

<b>wildflowers (20%)</b>		<b>%</b>
<i>Achillea millefolium</i>	Yarrow	1
<i>Centaurea nigra</i>	Common Knapweed	2
<i>Galium verum</i>	Lady's Bedstraw	1.5
<i>Hypochaeris radicata</i>	Cat's Ear	1
<i>Lathyrus pratensis</i>	Meadow Vetchling	0.3
<i>Leontodon autumnalis</i>	Autumn Hawkbit	0.5
<i>Leucanthemum vulgare</i>	Ox-eye Daisy	1.5
<i>Lotus corniculatus</i>	Birdsfoot Trefoil	1
<i>Pimpinella saxifraga</i>	Burnet Saxifrage	1
<i>Plantago lanceolata</i>	Ribwort Plantain	2
<i>Primula veris</i>	Cowslip	1
<i>Prunella vulgaris</i>	Selfheal	2
<i>Ranunculus acris</i>	Meadow Buttercup	2
<i>Rumex acetosa</i>	Common Sorrel	0.5
<i>Trifolium pratense</i>	Red Clover	1
<i>Trifolium repens</i>	White Clover	1
<i>Succisa pratensis</i>	Devils-bit Scabious	0.2
<i>Vicia cracca</i>	Tufted Vetch	0.5
<b>grasses (80%)</b>		
<i>Alopecurus pratensis</i>	Meadow Foxtail	4
<i>Anthoxanthum odoratum</i>	Sweet Vernal Grass	5
<i>Cynosurus cristatus</i>	Crested Dog's Tail	15
<i>Festuca ovina</i>	Sheep's Fescue	20
<i>Festuca rubra</i>	Red Fescue	36

100g: **£12**

1kg: **£76**

## Wet Meadow Mix

This mix has a colourful range of species for wet soils, including sites which are occasionally flooded or waterlogged for short periods.

wildflowers (20%)		%
<i>Achillea ptarmica</i>	Sneezewort	1.3
<i>Centaurea nigra</i>	Common Knapweed	2
<i>Filipendula ulmaria</i>	Meadowsweet	2
<i>Geranium pratense</i>	Meadow Cranesbill	1.5
<i>Geum rivale</i>	Water Avens	0.5
<i>Iris pseudacorus</i>	Yellow Flag Iris	2
<i>Leontodon autumnalis</i>	Autumn Hawkbit	0.1
<i>Leucanthemum vulgare</i>	Ox-eye Daisy	1
<i>Lotus uliginosus</i>	Greater Birdsfoot Trefoil	1
<i>Lychnis flos-cuculi</i>	Ragged Robin	1.5
<i>Plantago lanceolata</i>	Ribwort Plantain	2
<i>Prunella vulgaris</i>	Selfheal	2
<i>Ranunculus acris</i>	Meadow Buttercup	2
<i>Rumex acetosa</i>	Common Sorrel	1
<i>Succisa pratensis</i>	Devils-bit Scabious	0.1
grasses (80%)		
<i>Agrostis capillaris</i>	Common Bent <sup>(c)</sup>	11
<i>Alopecurus pratensis</i>	Meadow Foxtail <sup>(c)</sup>	4
<i>Cynosurus cristatus</i>	Crested Dogs Tail <sup>(c)</sup>	11
<i>Deschampsia cespitosa</i>	Tufted Hair Grass	5
<i>Festuca rubra ssp. commutata</i>	Chewings Fescue <sup>(c)</sup>	30
<i>Poa pratensis</i>	Smooth-stalked Meadow Grass <sup>(c)</sup>	19

(c): from cultivated stock (not from wild collection)

100g: **£10**

1kg: **£63**

## Dry Meadow Mix

Sandy and calcareous sites support a colourful range of plants which is reflected in this mix. Steep banks or areas with thin soil, which are dry in summer, can also be sown with this mix.

<b>wildflowers (20%)</b>		<b>%</b>
<i>Agrimonia eupatoria</i>	Agrimony	2.4
<i>Anthyllis vulneraria</i>	Kidney Vetch	2
<i>Campanula glomerata</i>	Clustered Bellflower	0.3
<i>Centaurea scabiosa</i>	Greater Knapweed	1
<i>Daucus carota</i>	Wild Carrot	2
<i>Dianthus deltoides</i>	Maiden Pink	0.3
<i>Echium vulgare</i>	Vipers Bugloss	1.5
<i>Galium verum</i>	Lady's Bedstraw	1
<i>Helianthemum nummularium</i>	Rock Rose	0.1
<i>Hypericum perforatum</i>	St John's Wort	1
<i>Lotus corniculatus</i>	Birdsfoot Trefoil	1
<i>Malva sylvestris</i>	Common Mallow	0.6
<i>Origanum vulgare</i>	Wild Marjoram	1
<i>Pimpinella saxifraga</i>	Burnet Saxifrage	0.5
<i>Primula veris</i>	Cowslip	1
<i>Prunella vulgaris</i>	Selfheal	1
<i>Rumex acetosella</i>	Sheep's Sorrel	1
<i>Silene alba</i>	White Champion	1
<i>Silene vulgaris</i>	Bladder Champion	0.3
<i>Stellaria holostea</i>	Greater Stitchwort	0.5
<i>Vicia sativa</i>	Common Vetch	0.5
<b>grasses (80%)</b>		
<i>Agrostis capillaris</i>	Common Bent <sup>(c)</sup>	10
<i>Cynosurus cristatus</i>	Crested Dog's Tail <sup>(c)</sup>	30
<i>Festuca ovina</i>	Sheep's Fescue <sup>(c)</sup>	30
<i>Phleum pratense</i>	Timothy <sup>(c)</sup>	10

(c): from cultivated stock (not from wild collection)

**100g: £10**

**1kg: £63**

## Short Meadow Mix

This 'flowering lawn' mix contains plants that are either low-growing or can be cut most of the year to 10 cm, but should be left to grow and flower between May-August.

<b>wildflowers (20%)</b>		<b>%</b>
<i>Achillea millefolium</i>	Yarrow	1.5
<i>Anthyllis vulneraria</i>	Kidney Vetch	3
<i>Bellis perennis</i>	Daisy	0.1
<i>Campanula rotundifolia</i>	Scottish Bluebell	0.3
<i>Galium verum</i>	Lady's Bedstraw	3
<i>Lotus corniculatus</i>	Birdsfoot Trefoil	2.5
<i>Origanum vulgare</i>	Wild Marjoram	0.5
<i>Primula veris</i>	Cowslip	2
<i>Primula vulgaris</i>	Primrose	0.2
<i>Prunella vulgaris</i>	Selfheal	2.5
<i>Ranunculus acris</i>	Meadow Buttercup	2.5
<i>Silene vulgaris</i>	Bladder Campion	1.3
<i>Succisa pratensis</i>	Devils-bit Scabious	0.4
<i>Veronica officinalis</i>	Common Speedwell	0.2
<b>grasses (80%)</b>		
<i>Agrostis capillaris</i>	Common Bent <sup>(c)</sup>	8
<i>Festuca brevipila</i>	Hard Fescue <sup>(c)</sup>	20
<i>Festuca rubra ssp. commutata</i>	Chewings Fescue <sup>(c)</sup>	8
<i>Festuca rubra ssp. rubra</i>	Strong Creeping Red Fescue <sup>(c)</sup>	28
<i>Poa pratensis</i>	Smooth-stalked Meadow Grass <sup>(c)</sup>	16

(c): from cultivated stock (not from wild collection)

100g: **£9.20**

1kg: **£58**

## Hedgerow Meadow Mix

A tall mix for areas of light shade beside hedges or walls or in woodland clearings.

**This mix includes foxglove which is poisonous if eaten. Please let us know if you would prefer us to supply the mix without foxglove.**

<b>wildflowers (20%)</b>		<b>%</b>
<i>Campanula latifolia</i>	Giant Bellflower	1
<i>Centaurea nigra</i>	Common Knapweed	1.5
<i>Digitalis purpurea</i>	Foxglove	1.5
<i>Geum urbanum</i>	Herb Bennet	2.5
<i>Hypericum perforatum</i>	St Johns Wort	2
<i>Knautia arvensis</i>	Field Scabious	2
<i>Leucanthemum vulgare</i>	Ox-eye Daisy	1.4
<i>Lychnis flos-cuculi</i>	Ragged Robin	1.5
<i>Primula vulgaris</i>	Primrose	0.1
<i>Silene dioica</i>	Red Campion	3
<i>Stachys sylvatica</i>	Hedge Woundwort	0.5
<i>Torilis japonica</i>	Upright Hedge Parsley	1
<i>Vicia sepium</i>	Bush Vetch	2
<b>grasses (80%)</b>		
<i>Agrostis capillaris</i>	Common Bent <sup>(c)</sup>	12
<i>Alopecurus pratensis</i>	Meadow Foxtail <sup>(c)</sup>	4
<i>Cynosurus cristatus</i>	Crested Dog's Tail <sup>(c)</sup>	12
<i>Festuca rubra ssp. commutata</i>	Chewings Fescue <sup>(c)</sup>	32
<i>Poa pratensis</i>	Smooth-stalked Meadow Grass <sup>(c)</sup>	20

(c): from cultivated stock (not from wild collection)

**100g: £10**

**1kg: £63**

## Woodland Meadow Mix

For deep shade, this mix provides a colourful mix of tall plants tolerant of lower light levels. **This mix includes foxglove which is poisonous if eaten. Please let us know if you would prefer us to supply the mix without foxglove.**

wildflowers (20%)		%
<i>Ajuga reptans</i>	Bugle	0.1
<i>Allium ursinum</i>	Wild Garlic	0.2
<i>Campanula latifolia</i>	Giant Bellflower	2
<i>Circaea lutetiana</i>	Enchanters Nightshade	0.1
<i>Digitalis purpurea</i>	Foxglove	1
<i>Geum urbanum</i>	Herb Bennet	3
<i>Hyacinthoides non-scripta</i>	Bluebell	3
<i>Hypericum perforatum</i>	Common St John's Wort	2
<i>Hypericum pulchrum</i>	Slender St John's Wort	0.3
<i>Lychnis flos-cuculi</i>	Ragged Robin	1
<i>Luzula sylvatica</i>	Woodrush	0.5
<i>Primula vulgaris</i>	Primrose	0.2
<i>Silene dioica</i>	Red Campion	2.3
<i>Stachys sylvatica</i>	Hedge Woundwort	0.5
<i>Torilis japonica</i>	Upright Hedge Parsley	1.5
<i>Vicia sepium</i>	Bush Vetch	2.3
grasses (80%)		
<i>Agrostis capillaris</i>	Common Bent <sup>(c)</sup>	12
<i>Alopecurus pratensis</i>	Meadow Foxtail <sup>(c)</sup>	4
<i>Cynosurus cristatus</i>	Crested Dogs Tail <sup>(c)</sup>	12
<i>Festuca rubra</i> spp. <i>commutata</i>	Chewing's Fescue <sup>(c)</sup>	32
<i>Poa pratensis</i>	Smooth-stalked Meadow Grass <sup>(c)</sup>	20

(c): from cultivated stock (not from wild collection)

100g: **£10**

1kg: **£63**

## Northern Haymeadow

This mix recreates herb-rich pastures of traditionally-managed grasslands of upland Britain (British Plant Community MG3).

Remnants of ancient meadows of this type survive in Deeside and northern England.

<b>wildflowers (20%)</b>		<b>%</b>
<i>Centaurea nigra</i>	Common Knapweed	3.5
<i>Conopodium majus</i>	Pignut	0.5
<i>Geranium sylvaticum</i>	Wood Cranesbill	0.4
<i>Hypochaeris radicata</i>	Cat's Ear	0.6
<i>Lathyrus pratensis</i>	Meadow Vetchling	1
<i>Lotus corniculatus</i>	Birdsfoot Trefoil	2
<i>Plantago lanceolata</i>	Ribwort Plantain	3.5
<i>Primula veris</i>	Cowslip	1
<i>Ranunculus acris</i>	Meadow Buttercup	3.3
<i>Rumex acetosa</i>	Common Sorrel	2.5
<i>Sanguisorba officinalis</i>	Great Burnet	0.1
<i>Succisa pratensis</i>	Devils-Bit Scabious	0.3
<i>Trifolium repens</i>	White Clover	0.5
<i>Vicia sativa</i>	Common Vetch	0.5
<i>Viola riviniana</i>	Common Dog Violet	0.3
<b>grasses (80%)</b>		
<i>Agrostis capillaris</i>	Common Bent <sup>(c)</sup>	10
<i>Anthoxanthum odoratum</i>	Sweet Vernal Grass	10
<i>Festuca rubra</i>	Red Fescue	30
<i>Dactylis glomerata</i>	Cocksfoot <sup>(c)</sup>	10
<i>Poa trivialis</i>	Rough Meadow Grass <sup>(c)</sup>	20

(c): from cultivated stock (not from wild collection)

**100g: £12**

**1kg: £76**

## Highland Grassland Mix

This mix recreates a moorland grass community found on well-drained highland sites with acidic soils. On upland sites this does not need to be cut, although it can be lightly grazed in autumn. This mix is based on the calcifugous British Plant Communities U2 and U4.

<b>wildflowers (20%)</b>		<b>%</b>
<i>Achillea millefolium</i>	Yarrow	1.8
<i>Calluna vulgaris</i>	Heather	0.3
<i>Erica cinerea</i>	Bell Heather	0.1
<i>Campanula rotundifolia</i>	Bluebell/Harebell	0.2
<i>Galium saxatile</i>	Heath Bedstraw	1.5
<i>Lotus corniculatus</i>	Birdsfoot Trefoil	2.5
<i>Plantago lanceolata</i>	Ribwort Plantain	2.3
<i>Potentilla erecta</i>	Tormentil	0.1
<i>Prunella vulgaris</i>	Selfheal	3.1
<i>Ranunculus acris</i>	Meadow Buttercup	4
<i>Rumex acetosella</i>	Sheep's Sorrel	2
<i>Succisa pratensis</i>	Devils-bit Scabious	0.3
<i>Trifolium repens</i>	White Clover	0.1
<i>Veronica officinalis</i>	Common Speedwell	0.1
<i>Viola riviniana</i>	Common Dog Violet	0.1
<b>grasses (80%)</b>		
<i>Agrostis capillaris</i>	Common Bent <sup>(c)</sup>	5
<i>Anthoxanthum odoratum</i>	Sweet Vernal Grass	10
<i>Deschampsia flexuosa</i>	Wavy Hair Grass	30
<i>Festuca ovina</i>	Sheeps Fescue	20
<i>Poa pratensis</i>	Smooth-stalked Meadow Grass <sup>(c)</sup>	15

(c): from cultivated stock (not from wild collection)

100g: **£12**

1kg: **£76**

## Coastal Meadow Mix

For areas close to the sea, this mix provides a selection of salt and wind tolerant species that enjoy open conditions

<b>wildflowers (20%)</b>		<b>%</b>
<i>Anthyllis vulneraria</i>	Kidney Vetch	2
<i>Armeria maritima</i>	Thrift	0.2
<i>Campanula glomerata</i>	Clustered Bellflower	0.2
<i>Campanula rotundifolia</i>	Bluebell	0.2
<i>Centaurea nigra</i>	Common Knapweed	2
<i>Centaurea scabiosa</i>	Greater Knapweed	1
<i>Dianthus deltoides</i>	Maiden Pink	0.2
<i>Echium vulgare</i>	Vipers Bugloss	2
<i>Galium verum</i>	Lady's Bedstraw	1.5
<i>Helianthemum nummularium</i>	Rock Rose	0.1
<i>Leontodon autumnalis</i>	Autumn Hawkbit	0.3
<i>Ligusticum scoticum</i>	Scots Lovage	1
<i>Lotus corniculatus</i>	Birdsfoot Trefoil	1
<i>Malva sylvestris</i>	Common Mallow	0.5
<i>Origanum vulgare</i>	Wild Marjoram	0.5
<i>Papaver rhoeas</i>	Corn Poppy	1
<i>Pimpinella saxifraga</i>	Burnet Saxifrage	1
<i>Primula veris</i>	Cowslip	1
<i>Silene alba</i>	White Campion	1.5
<i>Silene dioica</i>	Red Campion	1
<i>Silene maritima</i>	Sea Campion	0.9
<i>Silene vulgaris</i>	Bladder Campion	0.5
<i>Veronica officinalis</i>	Common Speedwell	0.4
<b>grasses (80%)</b>		
<i>Agrostis capillaris</i>	Common Bent <sup>(c)</sup>	12
<i>Alopecurus pratensis</i>	Meadow Foxtail <sup>(c)</sup>	4
<i>Cynosurus cristatus</i>	Crested Dog's Tail <sup>(c)</sup>	12
<i>Festuca rubra ssp. commutata</i>	Chewings Fescue <sup>(c)</sup>	32
<i>Poa pratensis</i>	Smooth-stalked Meadow Grass <sup>(c)</sup>	20

(c): from cultivated stock (not from wild collection)

**100g: £10**

**1kg: £68**

## Green Roof Mix

This provides low-growing species tolerant of dry conditions. It is designed for a wide range of green roofs with 100mm+ of substrate. As it is made up of a wide range of native (and wild origin) flowering species and grasses this will ensure that your roof provides maximum benefit for wildlife as well as being manageable and attractive.

<b>wildflowers (30%)</b>		<b>%</b>
<i>Anthyllis vulneraria</i>	Kidney Vetch	5.6
<i>Armeria maritima</i>	Thrift	0.2
<i>Bellis perennis</i>	Daisy	0.2
<i>Campanula rotundifolia</i>	Scottish Bluebell	0.3
<i>Dianthus deltoides</i>	Maiden Pink	0.1
<i>Fragaria vesca</i>	Wild Strawberry	0.9
<i>Galium verum</i>	Lady's Bedstraw	3
<i>Geranium sanguineum</i>	Bloody Cranesbill	0.2
<i>Helianthemum nummularium</i>	Rock Rose	0.1
<i>Hypericum pulchrum</i>	Slender St John's Wort	0.4
<i>Linaria vulgaris</i>	Toadflax	0.2
<i>Lotus corniculatus</i>	Birdsfoot Trefoil	2
<i>Origanum vulgare</i>	Wild Marjoram	1
<i>Potentilla erecta</i>	Tormentil	0.2
<i>Primula veris</i>	Cowslip	3
<i>Prunella vulgaris</i>	Selfheal	4.5
<i>Rumex acetosella</i>	Sheeps Sorrel	4.9
<i>Silene vulgaris</i>	Bladder Campion	1
<i>Silene maritima</i>	Sea Campion	1
<i>Thymus polytrichus</i>	Thyme	0.5
<i>Veronica officinalis</i>	Common Speedwell	0.5
<i>Viola riviniana</i>	Common Violet	0.2
<b>grasses (70 %)</b>		
<i>Anthoxanthum odoratum</i>	Sweet Vernal Grass	25
<i>Deschampsia flexuosa</i>	Wavy Hair Grass	20
<i>Festuca ovina</i>	Sheeps Fescue	10
<i>Festuca rubra</i>	Red Fescue	15

50g: **£13.80**

100g: **£23**

1kg: **£153**

## Beautiful Biennial mix

This mix is a selection of tall biennials providing a short-lived (2-3 year) block of wildflowers that will provide wildlife benefit but also stunning fairytale-like flowers in midsummer as well as a spectacular winter display of stems and seed heads when covered in frost or snow. **Includes Foxglove which is poisonous if eaten. Just let us know if you would prefer the mix without it.**

wildflowers:		%
<i>Daucus carota</i>	Wild Carrot	30
<i>Digitalis purpurea</i>	Foxglove	18
<i>Dipsacus fullonum</i>	Teasel	10
<i>Echium vulgare</i>	Viper's Bugloss	40
<i>Verbascum thapsus</i>	Mullein	2

50g: **£14**

100g: **£23**

1kg: **£153**

## Pond Edge Mix

For marshy conditions or water margins, these wildflowers provide interest and colour around the edges of ponds. Adding appropriate native plants around ponds will also encourage pond-dwellers like toads, frogs, newts and dragonflies.

wildflowers:		%
<i>Achillea ptarmica</i>	Sneezewort	13
<i>Alisma plantago-aquatica</i>	Water Plantain	1
<i>Angelica sylvestris</i>	Angelica	1.3
<i>Caltha palustris</i>	Marsh Marigold	1
<i>Cardamine pratensis</i>	Cuckoo-flower	0.5
<i>Filipendula ulmaria</i>	Meadowsweet	20
<i>Geum rivale</i>	Water Avens	13
<i>Hypericum tetrapterum</i>	Square-stem St John's Wort	0.1
<i>Iris pseudacorus</i>	Yellow Flag Iris	35
<i>Lychnis flos-cuculi</i>	Ragged Robin	8.5
<i>Myosotis scorpioides</i>	Water Forget-me-not	1
<i>Potentilla palustris</i>	Marsh Cinquefoil	0.1
<i>Stachys palustris</i>	Marsh Woundwort	1
<i>Valeriana officinalis</i>	Valerian	4.5

50g: **£18.40**

100g: **£31**

1kg: **£199**

## Bee, Bird & Butterfly Mix

Annuals, biennials & perennials providing a range of plants to attract wildlife from bumblebees & moths to Goldfinches. **Includes Foxglove which is poisonous if eaten. Just let us know if you would prefer the mix without it.**

wildflowers:		%
<i>Achillea millefolium</i>	Yarrow	5
<i>Anthyllis vulneraria</i>	Kidney Vetch	10
<i>Campanula glomerata</i>	Clustered Bellflower	1
<i>Centaurea nigra</i>	Common Knapweed	10
<i>Centaurea scabiosa</i>	Greater Knapweed	2
<i>Digitalis purpurea</i>	Foxglove	8
<i>Dipsacus fullonum</i>	Teasel	10
<i>Echium vulgare</i>	Viper's Bugloss	14
<i>Hypericum perforatum</i>	St John's Wort	5
<i>Knautia arvensis</i>	Field Scabious	5
<i>Lathyrus pratensis</i>	Meadow Vetchling	1
<i>Lotus corniculatus</i>	Birdsfoot Trefoil	2
<i>Lotus uliginosus</i>	Greater Trefoil	2
<i>Origanum vulgare</i>	Wild Marjoram	1
<i>Silene alba</i>	White Campion	10
<i>Silene dioica</i>	Red Campion	7.5
<i>Stachys sylvatica</i>	Hedge Woundwort	1
<i>Succisa pratensis</i>	Devil's-bit Scabious	1
<i>Verbascum thapsus</i>	Mullein	0.5
<i>Vicia cracca</i>	Tufted Vetch	3

50g: **£14**

100g: **£23**

1kg: **£153**

## Cornfield Annual Mix

Colourful annual wildflower species traditionally found in cornfields. Sown in spring, this will flower in the same year. Sown in autumn they flower the next year. A one year mix.

wildflowers:		%
<i>Centaurea cyanus*</i>	Cornflower	35
<i>Chrysanthemum segetum</i>	Corn Marigold	25
<i>Papaver dubium</i>	Long-headed Poppy	3
<i>Papaver rhoeas</i>	Corn Poppy	12
<i>Tripleurospermum inodorum</i>	Mayweed	25

50g: **£7**

100g: **£10.20**

1kg: **£65**

\*British, not Scottish origin

## Get Nectar-rich Quick mix

This mix has a selection of annual, biennial and quick growing perennial wildflowers to provide a short-lived patch of wildflowers that will provide a nectar source for moths and butterflies, bumblebees and honeybees. After 2 years you can leave the perennials to develop or re-sow.

**This mix includes Foxglove which is poisonous if eaten. Please let us know if you would prefer us to supply the mix without Foxglove.**

wildflowers:		%
annuals		
<i>Centaurea cyanus*</i>	Cornflower	17
<i>Chrysanthemum segetum</i>	Corn Marigold	12
<i>Papaver rhoeas</i>	Corn Poppy	15
<i>Tripleurospermum inodorum</i>	Mayweed	12
biennials		
<i>Daucus carota</i>	Wild Carrot	9
<i>Digitalis purpurea</i>	Foxglove	6
<i>Dipsacus fullonum</i>	Teasel	3
<i>Echium vulgare</i>	Viper's Bugloss	12
perennials		
<i>Achillea millefolium</i>	Yarrow	1
<i>Knautia arvensis</i>	Field Scabious	2
<i>Leucanthemum vulgare</i>	Ox-eye Daisy	1
<i>Lychnis flos-cuculi</i>	Ragged Robin	1
<i>Silene alba</i>	White Champion	2
<i>Silene dioica</i>	Red Champion	2
<i>Stachys sylvatica</i>	Hedge Woundwort	1
<i>Succisa pratensis</i>	Devils-bit Scabious	1
<i>Trifolium pratense</i>	Red Clover	1
<i>Vicia cracca</i>	Tufted Vetch	2

\*British, not Scottish origin

50g: **£14**

100g: **£23**

1kg: **£153**

## **About us**

We are producers of wildflower seeds and can trace back the seeds to Scottish sites where the original wild plants grow. From these sites we have made small, recorded seed collections which are sown on our farm as crops. For a small number of species we make sustainable harvests directly from the wild in Scotland.

We grow over 150 species of native Scottish wildflowers; if there is a particular species that you need for your project, or you would like to buy large volumes (more than you get in a packet!) of a single species then please contact us.

We also select and combine wildflower seeds and native grasses to create mixes to reflect and restore natural meadow communities or mixes designed to provide habitats for specific wildlife.

In many of our meadow mixes the grass seed that we use is of native species but not of wild origin. On occasion we may use British wild origin wildflower seeds grown elsewhere in Great Britain - the origin will always be clearly indicated on your mix contents when they arrive.

We are signatories to the Flora Locale Code of Practice for Collectors, Growers and Suppliers of Native Flora that ensures responsible collection and sale of native British plants.

## **Quality**

Our seed laboratory, audited by the Official Seed Testing Station for Scotland, specialises in testing the seeds of native plants. We test our seeds for germination and purity to ensure they are of the highest quality. We continue to develop our knowledge of wildflower seed germination and improve the quality of our seeds through our research funded by SMART and SPUR awards from the Scottish Government.

## **Green producers**

Our wildflower crops are a great source of food and shelter for animal species including many species of bumblebees, honeybees, butterflies, brown hares and newts. Over a quarter of our farm has been devoted to environmental improvements including meadows, hedges, woodland and ponds.

We source our packaging materials as sustainably as possible. Our packaging is made in the UK and we continue to reduce our packaging and wherever possible we use recyclable materials and reuse packaging that we receive.

## **How to Order**

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