



**SCOTIA  
SEEDS**

wildflowers of scotland

2011

## 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.

Plant a meadow and you will have an attractive, low maintenance but high benefit habitat that will give you years of pleasure. Individual plants, as well as being attractive and useful additions to your formal border, are a vital source of food for many insects and birds.

Our seeds are of native Scottish stock, traceable to original collections around the country

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# Wildflower Seed Packets

GOOD FOR:



bees



shadier areas



birds



light shade



butterflies



sunny open sites



wet areas



night-scented



birds



dry/free draining sites

## Single species

### Bloody Cranesbill

£2.40

*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. Flowers May-September. Perennial.



### Bluebell/Wild Hyacinth

£2.40

*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. Flowers April-June. Perennial.



### Clustered Bellflower

£2.40

*Campanula glomerata*

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



### Common Mallow

£2.40

*Malva sylvestris*

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



**Cornflower** £2.40

*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. Flowers July-September. Annual.



**Corn Marigold** £2.40

*Chrysanthemum segetum*

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



**Cowslip** £2.40

*Primula veris*

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



**Field Scabious** £2.40

*Knautia arvensis*

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



**Foxglove** £2.40

*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. Flowers June-August. Biennial.



**Giant Bellflower** £2.40

*Campanula latifolia*

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



**Greater Knapweed** £2.40

*Centaurea scabiosa*

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



**Heather** £2.40

*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. Flowers July-September. Perennial



**Kidney Vetch** £2.40

*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. Flower May-August. Perennial



**Maiden Pink** £2.40

*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. Flowers June-August . Perennial.



**Meadowsweet** £2.40

*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. Flowers July-September. Perennial.



**Meadow Cranesbill** £2.40

*Geranium pratense*

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



**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. Flowers May/June. 80 cm. 200-500 seeds per packet. Perennial.



**Ox-eye Daisy** £2.40

*Leucanthemum vulgare*

Vigorous white wildflower with large cheerful white flower heads with yellow centres. 100 cm. 400-500 seeds per packet. Flowers June-September. Perennial.



**Poppy** £2.40

*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. Flowers July/August. Annual.



**Primrose** £2.50

*Primula vulgaris*

One of the first spring flowers, found in woods & on grassy banks. Pale yellow flowers. 25 cm. 50-150 seeds per packet. Flowers February-May. Perennial.



**Ragged Robin** £2.40

*Lychnis flos-cuculi*

Ragged petaled, pink flowers which wave in the wind. Found in damp meadows & woods. 70 cm. 1000+ seeds per packet. Flowers July/August. Perennial.



**Red Campion** **£2.40**

*Silene dioica*

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



**St. John's Wort** **£2.40**

*Hypericum perforatum*

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



**Scottish Bluebell (Harebell)** **£2.40**

*Campanula rotundifolia*

Delicate, blue flower of open grassland. Likes well-drained, sunny sites. 40 cm. 1000+ seeds per packet. Flowers July-September. Perennial.



**Scottish Primrose** **£4.15**

*Primula scotica*

A rare, delicate wildflower found in the wild only in northern Scotland. It has tiny, yellow-centred, burgundy flowers, twice a year. 10 cm. 50-150 seeds per packet. Flowers April-June and July/August. Perennial.



**Selfheal** **£2.40**

*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. Flowers July/August. Perennial.



**Sneezewort** **£2.50**

*Achillea ptarmica*

Clusters of small, white, daisy-like flowers are produced on this short perennial that is happy in open sites that don't dry out. 30 cm. 500-800 seeds per packet. Flowers July-September. Perennial.



**Tansy** **£2.40**

*Tanacetum vulgare*

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



**Teasel** **£2.40**

*Dipsacus fullonum*

Tall biennial with large seed heads which look beautiful over winter. Prefers open sites. 200 cm. 50-100 seeds per packet. Flowers July-September. Biennial.



**Thrift** **£2.40**

*Armeria maritima*

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. Flowers April-August. Perennial.



**Toadflax** **£2.40**

*Linaria vulgaris*

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



**Violet** **£2.50**

*Viola riviniana*

Little, spring-flowering plant with purple flowers and dark, glossy green, heart-shaped leaves, found on banks beside burns, in woodland clearings & hedgerows. 10 cm. 100-200 seeds per packet. Flowers April-August. Perennial.



## Viper's Bugloss

£2.40

*Echium vulgare*

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



## Water Avens

£2.50

*Geum rivale*

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



## White Campion

£2.40

*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. Flowers May-August. Perennial.



## Wild Marjoram

£2.40

*Origanum vulgare*

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



## Wild Thyme

£2.40

*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. Flowers July-September. Perennial.



**Wild Strawberry NEW FOR 2011! £2.50**

*Fragaria vesca*

Aromatic, low-growing & mat forming shrub with small white flowers. Likes dry, open sites & is ideal for growing in walls or in paving.

15cm tall. 200-400 seeds per packet. Flowers May-August. Perennial.



**Yarrow £2.40**

*Achillea millefolium*

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



**Yellow Flag £2.40**

*Iris pseudacorus*

Striking and elegant wild yellow Iris. Found in the wild in and around ponds and ditches, although it can grow in any deep soil that does not dry out. Up to 120 cm. Approx. 25 seeds per packet. Flowers July-September. Perennial.



**Mini-mixes:** Seed packets with a mix of species that will cover approximately 2-3m<sup>2</sup>

**Butterfly Mini-mix** **£4.15**

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. Perennial.



**Bumblebee Mini-mix** **£4.15**

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. Perennial and biennial.



**Cornfield Mini-mix** **£4.15**

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. Annual.



**Pond Edge Mini-mix** **£4.15**

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. Perennial.



**Seaside Mini-mix** **£4.15**

Kidney Vetch, Scots Lovage, 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. Perennial.



**Windowbox Mini-mix** **£4.15**

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 sunny window box. 500-1000 seeds per packet. Perennial.

**Winter Wildflowers Mini-mix** £4.15

Burdock, Cow Parsley, Common Knapweed, 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. Perennial and biennial.

**Woodland Mini-mix** £4.15

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



**Tree seeds**

Tree seeds sustainably harvested from ancient Scottish woodlands

**Silver Birch** £2.75

*Betula pendula*

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

**Scots Pine** £2.75

*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** £2.75

*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, weakening 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. Annual



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

5g: **£3.98**

10g: **£6.13**

100g: **£21.42**

1kg: **£142.80**

## **Seed Mixtures: sowing & management**

Our wildflower mixes contain native plant species in the best proportions to create a balanced community of different plants.

Most soils in Scotland which can be cultivated are near neutral or slightly acid and our mixtures reflect this.

As well as our standard mixes for any volume over 1kg we can make up a mix to your specific requirements and all of the wildflowers found as part 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).

### **Before sowing:**

- Perennial wildflower mixes and meadows do well 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.

- 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. Do not add fertilizer.

## Sowing

- Sow in either spring (March to mid-June) or autumn (August to late September)
- Mix the seed well!
- 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.
- Divide up the area into sections, depending on its size and divide the seed into equal portions to sow each section, this helps to achieve even sowing and ensuring that you do not run out of seed
- After sowing, the site should be rolled or trodden to improve seed contact with the soil

## Sowing Rate

Meadow mixes

(grasses 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-only 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>

## Meadow management

Plant a meadow, however small, and you will have a low management, 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.

### YEAR ONE:

- 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.

### ONGOING MANAGEMENT:

- Mavisbank, Wet, Dry, Hedgerow, Woodland, and Northern Haymeadow should be cut or grazed yearly at the end of the season in late September. If desired, these 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.
- Highland Grassland Mix which can be left once established without cutting. It can however be lightly grazed in autumn. If the grassland grows very vigorously manage as the meadows above
- Flowering Lawn Mix areas are designed to be managed as a tall flowering lawn

and so should be cut to about 10cm throughout the growing season, except in July and August when they should be left to get the full effect from the flowers

- Green roofs are usually areas where exposure and free-draining conditions keep the plant growth down.

## MEADOW MANAGEMENT TIPS

- 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-only mixes

- 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.
- The Bee, Bird & Butterfly and Pond-Edge mixes are perennial and biennial mixes and will continue 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.
- The Get Nectar-rich quick mix will flower in the first year and can then be managed as the Bee, Bird and Butterfly Mix although you have the option of re-sowing after 3 years to refresh the area.

## MEADOW MIXES

### 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.

wildflowers (20%)		%
<i>Achillea millefolium</i>	Yarrow	1.5
<i>Centaurea nigra</i>	Common Knapweed	2.5
<i>Galium verum</i>	Lady's Bedstraw	2
<i>Lathyrus pratensis</i>	Meadow Vetchling	0.5
<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	1.1
<i>Plantago lanceolata</i>	Ribwort Plantain	2.5
<i>Primula veris</i>	Cowslip	1
<i>Prunella vulgaris</i>	Selfheal	1
<i>Ranunculus acris</i>	Meadow Buttercup	2.5
<i>Rhinanthus minor</i>	Yellow Rattle	1
<i>Rumex acetosa</i>	Common Sorrel	0.5
<i>Succisa pratensis</i>	Devils-bit Scabious	0.1
grasses (80%)		
<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: **£10**

1kg: **£62**

### Wildflowers only

50g: **£17**

100g: **£33**

1kg: **£205**

## 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 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	1.2
<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>Rhinanthus minor</i>	Yellow Rattle	1
<i>Rumex acetosa</i>	Common Sorrel	1
<i>Succisa pratensis</i>	Devils-bit Scabious	0.2
<i>Trifolium pratense</i>	Red Clover	0.3
<i>Trifolium repens</i>	White Clover	0.5
<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: **£13**

1kg: **£77**

### Wildflowers only

50g: **£20**

100g: **£39**

1kg: **£250**

## 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	1.2
<i>Centaurea nigra</i>	Common Knapweed	1.5
<i>Filipendula ulmaria</i>	Meadowsweet	2
<i>Geranium pratense</i>	Meadow Cranesbill	1.5
<i>Geum rivale</i>	Water Avens	0.2
<i>Hypericum tetrapterum</i>	Square-stemmed St John's Wort	0.1
<i>Iris pseudacorus</i>	Yellow Flag Iris	2
<i>Leontodon autumnalis</i>	Autumn Hawkbit	1
<i>Leucanthemum vulgare</i>	Ox-eye Daisy	1
<i>Lotus penduncularis</i>	Greater Birdsfoot Trefoil	1.5
<i>Lychnis flos-cuculi</i>	Ragged Robin	1
<i>Plantago lanceolata</i>	Ribwort Plantain	1.9
<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 caespitosa</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: **£10.50**

1kg: **£66**

### Wildflowers only

50g: **£18**

100g: **£35**

1kg: **£215**

## 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 saxifrage</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 Campion	1
<i>Silene vulgaris</i>	Bladder Campion	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: £10.50**

**1kg: £66**

### Wildflowers only

50g: **£18**

100g: **£35**

1kg: **£215**

## Flowering Lawn mix

This mix contains plants that are either low-growing or can be cut low. It should be cut to 10 cm throughout the growing season, but left to grow and flower between July and August.

wildflowers (20%)		%
<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	0.1
<i>Primula veris</i>	Cowslip	2.4
<i>Primula vulgaris</i>	Primrose	1
<i>Prunella vulgaris</i>	Selfheal	2
<i>Ranunculus acris</i>	Meadow Buttercup	2.5
<i>Silene vulgaris</i>	Bladder Champion	1
<i>Succisa pratensis</i>	Devils-bit Scabious	0.4
<i>Veronica officinalis</i>	Common Speedwell	0.2
grasses (80%)		
<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: £10**

**1kg: £62**

### Wildflowers only

50g: £17

100g: £33

1kg: £205

## Hedgerow Meadow Mix

A tall mix for areas of light shade beside hedges or walls or in woodland clearings. **This mix includes Foxglove all parts of which are poisonous. Please let us know if you would prefer us to supply the mix without Foxglove.**

wildflowers (20%)		%
<i>Campanula latifolia</i>	Giant Bellflower	1
<i>Centaurea nigra</i>	Common Knapweed	1.5
<i>Digitalis purpurea</i>	Foxglove	2.5
<i>Geum urbanum</i>	Herb Bennet	2
<i>Hypericum perforatum</i>	St Johns Wort	1
<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	0.5
<i>Silene dioica</i>	Red Campion	3
<i>Stachys sylvatica</i>	Hedge Woundwort	1
<i>Torilis japonica</i>	Upright Hedge Parsley	1.6
<i>Vicia sepium</i>	Bush Vetch	1
grasses (80%)		
<i>Agrostis capillaris</i>	Common Bent <sup>(c)</sup>	10
<i>Cynosurus cristatus</i>	Crested Dog's Tail <sup>(c)</sup>	10
<i>Festuca rubra ssp. commutata</i>	Chewings Fescue <sup>(c)</sup>	20
<i>Poa nemoralis</i>	Wood Meadow Grass <sup>(c)</sup>	20
<i>Poa pratensis</i>	Smooth-stalked Meadow Grass <sup>(c)</sup>	20

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

**100g: £10.50**

**1kg: £66**

### Wildflowers only

50g: £18

100g: £35

1kg: £215

## Woodland Meadow Mix

For deep shade, this mix provides a colourful, tall mix of 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	0.5
<i>Allium ursinum</i>	Wild Garlic	1
<i>Campanula latifolia</i>	Giant Bellflower	0.5
<i>Circaea lutetiana</i>	Enchanters Nightshade	0.2
<i>Digitalis purpurea</i>	Foxglove	1.4
<i>Geum urbanum</i>	Herb Bennet	2
<i>Hyacinthoides non-scripta</i>	Bluebell	3
<i>Hypericum perforatum</i>	Common St John's Wort	1.8
<i>Hypericum pulchrum</i>	Slender St John's Wort	0.1
<i>Lychnis flos-cuculi</i>	Ragged Robin	1
<i>Luzula sylvatica</i>	Woodrush	0.5
<i>Primula vulgaris</i>	Primrose	1
<i>Silene dioica</i>	Red Campion	2
<i>Stachys sylvatica</i>	Hedge Woundwort	2
<i>Torilis japonica</i>	Upright Hedge Parsley	2
<i>Vicia sepium</i>	Bush vetch	1
grasses (80%)		
<i>Agrostis capillaris</i>	Common Bent <sup>(c)</sup>	10
<i>Cynosurus cristatus</i>	Crested Dog's Tail <sup>(c)</sup>	10
<i>Festuca rubra ssp. commutata</i>	Chewing's Fescue <sup>(c)</sup>	20
<i>Poa nemoralis</i>	Wood Meadow Grass <sup>(c)</sup>	20
<i>Poa pratensis</i>	Smooth-stalked Meadow Grass <sup>(c)</sup>	20

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

100g: **£10.50**

1kg: **£66**

### Wildflowers only

50g: **£18**

100g: **£35**

1kg: **£215**

## 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	2.3
<i>Conopodium majus</i>	Pignut	0.5
<i>Geranium sylvaticum</i>	Wood Cranesbill	1
<i>Hypochaeris radicata</i>	Cat's Ear	1
<i>Lathyrus pratensis</i>	Meadow Vetchling	1
<i>Lotus corniculatus</i>	Birdsfoot Trefoil	2
<i>Plantago lanceolata</i>	Ribwort Plantain	3
<i>Primula veris</i>	Cowslip	1
<i>Ranunculus acris</i>	Meadow Buttercup	3
<i>Rhinanthus minor</i>	Yellow Rattle	1
<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: **£13**

1kg: **£77**

### Wildflowers only

50g: **£20**

100g: **£39**

1kg: **£250**

## 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.

wildflowers (20%)		%
<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
grasses (80%)		
<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: **£13**

1kg: **£77**

### Wildflowers only

50g: **£20**

100g: **£39**

1kg: **£250**

## 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 Champion	1.5
<i>Silene dioica</i>	Red Champion	1
<i>Silene maritima</i>	Sea Champion	0.9
<i>Silene vulgaris</i>	Bladder Champion	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: £11**

**1kg: £69**

### Wildflowers only

50g: £18

100g: £34

1kg: £220

## Green Roof Mix

These are low-growing species, tolerant of dry conditions 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>Oreganum 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

**100g: £26**

**1kg: £158**

### **Wildflowers only**

**50g: £22**

**100g: £43**

**1kg: £260**

## WILDFLOWER-ONLY MIXES

### 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	12
<i>Alisma plantago-aquatica</i>	Water Plantain	2
<i>Angelica sylvestris</i>	Angelica	2
<i>Caltha palustris</i>	Marsh Marigold	1
<i>Cardamine pratensis</i>	Cuckoo-flower	0.5
<i>Filipendula ulmaria</i>	Meadowsweet	22
<i>Geum rivale</i>	Water Avens	5
<i>Hypericum tetrapterum</i>	Square-stem St John's Wort	1
<i>Iris pseudacorus</i>	Yellow Flag Iris	37.2
<i>Lychnis flos-cuculi</i>	Ragged Robin	9
<i>Lythrum salicaria</i>	Purple Loosestrife	0.1
<i>Mentha aquatica</i>	Water Mint	0.1
<i>Myosotis scorpioides</i>	Water Forget-me-not	0.1
<i>Stachys palustris</i>	Marsh Woundwort	3
<i>Valeriana officinalis</i>	Valerian	5

50g: **£17**

100g: **£33**

1kg: **£205**

### 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	20
<i>Myosotis arvensis</i>	Forget-me-not	5
<i>Papaver dubium</i>	Long-headed Poppy	10
<i>Papaver rhoeas</i>	Corn Poppy	15
<i>Tripleurospermum inodorum</i>	Mayweed	15

50g: **£7**

100g: **£11.50**

1kg: **£68**

\*British, not Scottish origin

## Bee, Bird & Butterfly Mix

Biennial & perennial wildflowers to create a long lasting wildflower area with a range of plants to attract wildlife from bumblebees & moths to Goldfinches. **This mix includes Foxglove all parts of which are poisonous. Please let us know if you would prefer us to supply the mix without Foxglove.**

wildflowers:		%
<i>Achillea millefolium</i>	Yarrow	6
<i>Anthriscus sylvestris</i>	Cow Parsley	5
<i>Anthyllis vulneraria</i>	Kidney Vetch	10
<i>Campanula glomerata</i>	Clustered Bellflower	1
<i>Centaurea scabiosa</i>	Greater Knapweed	2.5
<i>Digitalis purpurea</i>	Foxglove	10
<i>Dipsacus fullonum</i>	Teasel	5
<i>Echium vulgare</i>	Viper's Bugloss	13
<i>Hypericum perforatum</i>	St John's Wort	0.5
<i>Knautia arvensis</i>	Field Scabious	5
<i>Lathyrus pratensis</i>	Meadow Vetchling	1
<i>Lotus corniculatus</i>	Birdsfoot Trefoil	3
<i>Lotus uliginosus</i>	Greater Trefoil	3
<i>Origanum vulgare</i>	Wild Marjoram	0.5
<i>Silene alba</i>	White Champion	10
<i>Silene dioica</i>	Red Champion	11
<i>Stachys sylvatica</i>	Hedge Woundwort	11
<i>Tragopogon pratense</i>	Goatsbeard	2
<i>Verbascum thapsus</i>	Mullein	0.5

50g: **£14**

100g: **£26**

1kg: **£154**

## Get Nectar-rich Quick mix

This mix has a selection of annual, biennial and quick growing perennial wildflowers to provide a range 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.

wildflowers:		%
<b>Annuals</b>		
<i>Centaurea cyanus</i> *	Cornflower	10
<i>Chrysanthemum segetum</i>	Corn Marigold	6
<i>Myosotis arvensis</i>	Forget-me-not	1
<i>Papaver dubium</i>	Long-headed Poppy	3
<i>Papaver rhoeas</i>	Corn Poppy	5
<i>Tripleurospermum inodorum</i>	Mayweed	5
<b>Biennials</b>		
<i>Daucus carota</i>	Wild Carrot	15
<i>Echium vulgare</i>	Viper's Bugloss	15
<b>Perennial</b>		
<i>Achillea millefolium</i>	Yarrow	2
<i>Anthyllis vulneraria</i>	Kidney Vetch	10
<i>Centaurea nigra</i>	Common Knapweed	10
<i>Knautia arvensis</i>	Field Scabious	2
<i>Leucanthemum vulgare</i>	Ox-eye Daisy	2
<i>Linaria vulgaris</i>	Toadflax	2
<i>Lychnis flos-cuculi</i>	Ragged Robin	0.5
<i>Reseda luteola</i>	Weld	2
<i>Silene alba</i>	White Champion	2
<i>Silene dioica</i>	Red Champion	2
<i>Stachys sylvatica</i>	Hedge Woundwort	2.5
<i>Trifolium pratense</i>	Red Clover	1
<i>Vicia cracca</i>	Tufted Vetch	2

\*British, not Scottish origin

50g: **£14**

100g: **£26**

1kg: **£158**

# About us

## Our wildflowers

We can trace the wildflower seeds we sell back to the native plant communities from which they came. Most of our seeds are harvested from crops grown on our farm in Angus and all are traceable to their original collection site

We grow over 200 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 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 and on occasion in our mixes 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 it arrives.

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 developed our seed testing laboratory and expertise through research funded by SMART and SPUR awards from the Scottish Government. We carry out testing to international standards and continue to improve the quality of our seeds through scientific research on our production methods.

## **Green producers**

When we came to our farm over a decade ago it was one field, cultivated to the very edges to grow conventional crops. There was very little biodiversity. Now our wildflower crops are a great source of food and shelter for animals and birds including honeybees, many species of bumblebees and butterflies, grey partridge, lapwing and brown hares. Over a quarter of our farm is now devoted to environmental improvements including planted meadows, hedges, woodland and newly created ponds that are home to populations of toads, frogs and newts.

This catalogue is printed in Scotland using 100% recycled paper and vegetable oil inks.

We source our packaging materials as sustainably as possible. Our seed packets are made in the UK and printed in Scotland.

We continue to reduce our packaging and wherever possible we use recyclable materials and reuse packaging that we receive.

## How to Order

To order, please visit our website:

**[www.scotiaseeds.co.uk](http://www.scotiaseeds.co.uk)**

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**NOTES:**

A close-up photograph of a flowering plant, likely a species of Veronica or similar. The image features several vibrant blue and purple flowers with prominent stamens. The flowers are surrounded by lush green, serrated leaves and stems. The background is softly blurred, showing more of the plant's structure and some red flowers in the distance. The overall scene is bright and natural, capturing the intricate details of the flora.

[www.scotiasseeds.co.uk](http://www.scotiasseeds.co.uk)