



UK NATIVE WILDFLOWERS

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GFS WILDFLOWER MANAGEMENT GUIDELINES

Mixture Selection

- It is important that the correct mixture is selected according to the soil type, aspect and management
- Our most popular and proven mixtures are listed in this brochure (please call to discuss specification)

Site Preparation

- The aim is to produce a firm, weed-free tilth to promote healthy germination
- Subsoils often provide weed-free areas with a low nutrient status and are therefore suitable for wildflowers
- It is occasionally necessary to remove the topsoil in areas of high fertility as these soils promote the growth of more vigorous grasses and weeds
- To remove docks, thistles, nettles and weed grasses; the site should be treated with a systemic herbicide prior to seed bed cultivation, the stale seed bed technique is often used

Summary

- Cultivate site and allow to remain fallow if practical
- Remove / treat all weeds with herbicide
- Remove topsoil / fertility
- Cultivate to 10cm
- Create a surface tilth

Sowing

- Sowing can take place throughout most of the year, providing a good fine tilth can be prepared
- March/April and August/September are generally the most suitable
- Mix seed to ensure even species distribution
- Drill/broadcast - calibrate sowing device
- Rate - 5 g/m² mixtures with grasses or 3 g/m² 100 % wild flower mixtures
- Use sand to bulk up small seeding rates, 4 parts silica sand to one part seed by weight
- Raking/harrowing - mix seed into soil (depth approx 0.5 cm)
- Firm seeded with roller – **Very Important**

Wild Flower Maintenance First Year

- Control weeds and reduce competition from vigorous grasses
- If necessary cut the sward to a height of 5cm every two months or when the sward reaches 15cm
- Remove all cut material to avoid smothering the sward
- Where persistent weeds are a problem, spot treat with herbicide or dig-out.

FUTURE MAINTENANCE

- The sward should be well established after the first 12 months and contain a diverse range of species
- Cut to 7.5cm during March/April and remove cuttings
- Second cut should be down to 10 cm and take place at the end of the flowering season approx August/September
- Leave cuttings for a week to dry and shed seeds and then remove all cuttings or use as hay
- The site may require further cuts in the Autumn period to remove untidy growth in an extended growing season
- Another option is to leave the dead material until February / March, then cut and remove
- The dead material provides a diverse habitat for wildlife particularly butterflies



GFX**DUAL PURPOSE TRADITIONAL
70/30 WILDFLOWER MEADOW**Sowing Rate
(g/sqm)
5

GFX contains twenty eight native British wildflowers and grasses to create a permanent wildflower meadow, as well as first year impact from annual species.

Consisting of 70% grass and 30% wildflowers (20% perennial 10% annual), GFX flowers from May to October, and is suitable for a wide range of soil types and environments. Ideal for situations where a long term meadow is required as well as immediate impact.

GFX supports bees, butterflies and other pollinators as 81% of the wildflowers included in this mixture are recommended by the Royal Horticultural Society (RHS) as 'Perfect for Pollinators'.

**Mixture Contents:**

	Common Name	Latin Name	Quantity	Flowers	Height	Type
1	Bedstraw, Lady's	Galium verum	1.26%	Jun - Sep	50 - 80cm	Perennial
2	Black Medick	Medicago lupulina	1.47%	May - Oct	15 - 80cm	Annual
3	Burnet, Salad	Sanguisorba minor	1.68%	Jun - Sep	15 - 50cm	Perennial
4	Buttercup, Meadow	Ranunculus acris	1.26%	May - Jun	30 - 100cm	Perennial
5	Campion, Red	Silene dioica	1.26%	Apr - Sep	60 - 90cm	Perennial
6	Campion, White	Silene alba	1.05%	May - Oct	50 - 100cm	Perennial
7	Carrot, Wild	Daucus carota	0.84%	Jun - Oct	30 - 100cm	Perennial
8	Catchfly, Night-Flowering	Silene noctiflora	1.05%	Jun - Aug	20 - 100cm	Annual
9	Chamomile, Corn	Anthemis arvensis	1.35%	Jun - Jul	30 - 50cm	Annual
10	Clary, Wild	Salvia verbenaca	1.05%	May - Aug	30 - 40cm	Perennial
11	Corn Cockle	Agrostemma githago	4.05%	May - Aug	50 - 70cm	Annual
12	Cornflower	Centaurea cyanus	1.8%	Jun - Oct	20 - 80cm	Annual
13	Cowslip	Primula veris	0.21%	Apr - May	15 - 30cm	Perennial
14	Daisy, Ox-eye	Leucanthemum vulgare	0.63%	May - Sep	20 - 100cm	Perennial
15	Forget-me-not, Field	Myosotis arvensis	0.84%	May - Jul	20 - 40cm	Annual
16	Foxglove, Wild	Digitalis purpurea	0.84%	Jun - Aug	50 - 100cm	Biennial
17	Goatsbeard	Aruncus dioicus	0.84%	Jun - Aug	30 - 90cm	Perennial
18	Knapweed, Common	Centaurea nigra	1.26%	Jun - Sep	30 - 80cm	Perennial
19	Knapweed, Greater	Centaurea scabiosa	0.84%	Jun - Sep	50 - 90cm	Perennial
20	Marigold, Corn	Chrysanthemum segetum	1.35%	Jun - Oct	30 - 50cm	Annual
21	Musk Mallow	Malva moschata	0.63%	May - Sep	20 - 150cm	Perennial
22	Plantain, Hoary	Plantago media	0.42%	May - Sep	15 - 45cm	Perennial
23	Plantain, Ribwort	Plantago lanceolata	0.63%	Apr - Sep	15 - 50cm	Perennial
24	Poppy, Common	Papaver rhoeas	0.45%	May - Jul	50 - 70cm	Annual
25	Self-heal	Prunella vulgaris	1.05%	Jun - Sep	15 - 30cm	Perennial
26	Sorrel, Common	Rumex acetosa	1.05%	May - Jul	30 - 100cm	Perennial
27	St John's-wort, Common	Hypericum perforatum	0.42%	Jun - Sep	30 - 90cm	Perennial
28	Yarrow	Achillea millefolium	0.42%	Jun - Oct	20 - 100cm	Perennial
	Bent, Common	Agrostis castellana	3.5%		50 - 100cm	Grass
	Crested Dogstail	Cynosurus cristatus	17.5%		30 - 60cm	Grass
	Fescue, Sheeps	Festuca ovina	14%		15 - 50cm	Grass
	Fescue, Slender Creeping Red	Festuca rubra, litoralis	21%		10 - 20cm	Grass
	Meadow Grass, Smooth Stalked	Poa pratensis	5.6%		30 - 90cm	Grass
	Timothy, Small Leaved	Phleum pratense ssp Bertolinii	8.4%		50 - 100cm	Grass



GFB BUTTERFLY & BEE 80/20 WILDFLOWER MEADOW

Sowing Rate
(g/sqm)
5

WILDFLOWERS SEED

GFB contains twenty six native British wildflowers and grasses formulated to create a diverse meadow to support butterflies, bees and other pollinating insects.

Consisting of 80% grass and 20% perennial wildflowers, GFB creates a permanent meadow with flowers from May to October. GFB provides habitats and food sources for bees, butterflies and other pollinating insects.

GFB supports bees, butterflies and other pollinators as 81% of the wildflowers included in this mixture are recommended by the Royal Horticultural Society (RHS) as 'Perfect for Pollinators'.



Mixture Contents:

	Common Name	Latin Name	Quantity	Flowers	Height	Type
1	Agrimony, Common	<i>Agrimonia eupatoria</i>	0.2%	Jun - Sep	50 - 150cm	Perennial
2	Borage	<i>Borago officinalis</i>	1.4%	Aug-Sep	60 - 80cm	Annual
3	Clary, Wild	<i>Salvia verbenaca</i>	0.8%	May - Aug	30 - 40cm	Perennial
4	Clover, Red	<i>Trifolium pratense</i>	0.6%	May - Sep	20 - 60cm	Perennial
5	Clover, White	<i>Trifolium repens</i>	0.2%	Jun - Sep	15 - 20cm	Perennial
6	Corn Cockle	<i>Agrostemma githago</i>	1.6%	May - Aug	50 - 70cm	Annual
7	Cornflower	<i>Centaurea cyanus</i>	1.2%	Jun - Oct	20 - 80cm	Annual
8	Daisy, Ox-eye	<i>Leucanthemum vulgare</i>	1%	May - Sep	20 - 100cm	Perennial
9	Foxglove, Wild	<i>Digitalis purpurea</i>	0.6%	Jun - Aug	50 - 100cm	Biennial
10	Goat's-beard	<i>Tragopogon pratensis</i>	1.4%	Jun - Sep	20 - 60cm	Biennial
11	Knapweed, Common	<i>Centaurea nigra</i>	1.2%	Jun - Sep	30 - 80cm	Perennial
12	Knapweed, Greater	<i>Centaurea scabiosa</i>	1%	Jun - Sep	50 - 90cm	Perennial
13	Loosestrife, Purple	<i>Lythrum salicaria</i>	0.2%	Jun - Sep	100 - 200cm	Perennial
14	Marjoram, Wild	<i>Origanum vulgare</i>	0.2%	Jul - Oct	20 - 50cm	Perennial
15	Meadow Cranesbil	<i>Geranium pratense</i>	0.2%	May-Aug	40 - 60cm	Perennial
16	Musk Mallow	<i>Malva moschata</i>	1%	May - Sep	20 - 150cm	Perennial
17	Poppy, Common	<i>Papaver rhoeas</i>	1%	May - Jul	50 - 70cm	Annual
18	Ragged Robin	<i>Lychnis flos-cuculi</i>	0.4%	May - Aug	30 - 90cm	Perennial
19	Sainfoin	<i>Onobrychis viciifolia</i>	1.4%	Jul - Sep	30 - 40cm	Perennial
20	Scabious, Field	<i>Knautia arvensis</i>	1.4%	Jul - Sep	30 - 200cm	Perennial
21	Scabious, Small	<i>Scabiosa columbaria</i>	0.6%	Jul - Aug	20 - 60cm	Perennial
22	Teasel	<i>Dipsacus fullonum</i>	0.2%	Jul - Aug	100 - 200cm	Biennial
23	Trefoil, Bird's-foot	<i>Lotus corniculatus</i>	0.4%	Jun - Aug	10 - 40cm	Perennial
24	Vetch, Kidney	<i>Anthyllis vulneraria</i>	0.4%	May - Oct	15 - 50cm	Perennial
25	Viper's Bugloss	<i>Echium vulgare</i>	0.4%	May - Oct	50 - 100cm	Biennial
26	Yarrow	<i>Achillea millefolium</i>	1%	Jun - Oct	20 - 100cm	Perennial
	Bent, Common	<i>Agrostis castellana</i>	4%		50 - 100cm	Grass
	Crested Dogstail	<i>Cynosurus cristatus</i>	20%		30 - 60cm	Grass
	Fescue, Sheeps	<i>Festuca ovina</i>	16%		15 - 50cm	Grass
	Fescue, Slender Creeping Red	<i>Festuca rubra, litoralis</i>	24%		10 - 20cm	Grass
	Meadow Grass, Smooth Stalked	<i>Poa pratensis</i>	6.4%		30 - 90cm	Grass
	Timothy, Small Leaved	<i>Phleum pratense ssp Bertolinii</i>	9.6%		50 - 100cm	Grass

WILDFLOWER MIXTURES



GFRE RESTORE & ENRICH 100% WILDFLOWER SEED MIX

Sowing Rate
(g/sqm)
3

GFRE contains twenty three native British wildflower species, consisting of mainly perennial species and a handful of annual and biennial species to restore and enrich existing grassland.

The species included in this mixture create an attractive display from May to October and are selected for being competitive and easy to establish. Therefore it is ideal for overseeding into existing meadows.

GFRE supports bees, butterflies and other pollinators as it contains 92% of species recommended by the Royal Horticultural Society (RHS) as 'Perfect for Pollinators'.



Mixture Contents:

Common Name	Latin Name	Quantity	Flowers	Height	Life cycle
1 Bedstraw, Lady's	Galium verum	5%	Jun - Sep	50 - 80cm	Perennial
2 Black Medick	Medicago lupulina	3%	May - Oct	15 - 80cm	Annual
3 Burnet, Salad	Sanguisorba minor	5%	Jun - Sep	15 - 50cm	Perennial
4 Buttercup, Meadow	Ranunculus acris	6%	May - Jun	30 - 100cm	Perennial
5 Champion, Red	Silene dioica	6%	Apr - Sep	60 - 90cm	Perennial
6 Champion, White	Silene alba	5%	May - Oct	50 - 100cm	Perennial
7 Carrot, Wild	Daucus carota	6%	Jun - Oct	30 - 100cm	Perennial
8 Chamomile, Corn	Anthemis arvensis	3%	Jun - Jul	30 - 50cm	Annual
9 Corn Cockle	Agrostemma githago	9%	May - Aug	50 - 70cm	Annual
10 Cornflower	Centaurea cyanus	4%	Jun - Oct	20 - 80cm	Annual
11 Daisy, Ox-eye	Leucanthemum vulgare	5%	May - Sep	20 - 100cm	Perennial
12 Goatsbeard	Aruncus dioicus	4%	Jun - Aug	30 - 90cm	Perennial
13 Knapweed, Common	Centaurea nigra	7%	Jun - Sep	30 - 80cm	Perennial
14 Marigold, Corn	Chrysanthemum segetum	3%	Jun - Oct	30 - 50cm	Annual
15 Meadowsweet	Filipendula ulmaria	3%	Jun - Aug	80 - 200cm	Perennial
16 Poppy, Common	Papaver rhoeas	1%	May - Jul	50 - 70cm	Annual
17 Scabious, Field	Knautia arvensis	2%	Jul - Sep	30 - 200cm	Perennial
18 Self-heal	Prunella vulgaris	5%	Jun - Sep	15 - 30cm	Perennial
19 Sorrel, Common	Rumex acetosa	5%	May - Jul	30 - 100cm	Perennial
20 Trefoil, Bird's-foot	Lotus corniculatus	4%	Jun - Aug	10 - 40cm	Perennial
21 Vetch, Tufted	Vicia cracca	3%	Jun - Sep	100 - 150cm	Perennial
22 Yarrow	Achillea millefolium	2%	Jun - Oct	20 - 100cm	Perennial
23 Yellow-rattle	Rhinanthus minor	4%	Jun - Sep	25 - 50cm	Annual



GFRE



GFRE



GFCA CORNFIELD ANNUALS 80/20 WILDFLOWER MEADOW

Sowing Rate
(g/sqm)
3

GFCA contains five native British annual wildflower species to create 'instant' colour and can be used to enrich existing grassland or provide additional first year colour to other wildflower meadows.

The species included in this mixture create an attractive display from May to October and are selected for being fast growing, attractive and easy to establish.

GFCA supports bees, butterflies and other pollinators as 100% of the wildflowers included in this mixture are recommended by the Royal Horticultural Society (RHS) as 'Perfect for Pollinators'.



Mixture Contents:

	Common Name	Latin Name	Quantity	Flowers	Height	Type
1	Chamomile, Corn	Anthemis arvensis	15%	Jun - Jul	30 - 50cm	Annual
2	Corn Cockle	Agrostemma githago	45%	May - Aug	50 - 70cm	Annual
3	Cornflower	Centaurea cyanus	20%	Jun - Oct	20 - 80cm	Annual
4	Marigold, Corn	Chrysanthemum segetum	15%	Jun - Oct	30 - 50cm	Annual
5	Poppy, Common	Papaver rhoeas	5%	May - Jul	50 - 70cm	Annual

CORNFIELD ANNUALS

Make the first cut in early March and a second cut once the flowering period is over - September/October Harrow autumn or spring to regenerate annuals

Second Year

Depending on your sowing preference, cultivate the ground and reseed in September or March.

Over several years of reseeded, a rich seed bank will develop and simply disturbing the soil again in early spring will be sufficient to regenerate the flowers each year.

Time of Year

The resulting flowers are highly influenced by the time of sowing. A Spring sowing is likely to favour Corn Marigold and Corn Chamomile, whereas an autumn sowing favours Poppy, Cornflower and Corn Cockle.

Wildflower seed in GFS Wildflowers mixtures is of UK native origin.



The definition of UK native seed provided by Natural England is: British native-origin seed refers to seed originally collected from wild populations in Great Britain (from sites with no known history of sowing of amenity or agricultural varieties) and either sown directly, or grown on as a field crop to provide further seed. It includes seed collected in 'green hay'. It excludes certified amenity or agricultural varieties of native species.

GFS Wildflowers UK native wildflower seed is sourced in two ways:

- 1) Seed collections from the wild which are field sown or sown in modules before being field planted as spaced plants. These are then harvested and cleaned to increase seed germination, vigour and purity.
- 2) Meadow collections are taken with owner permission or under license if the meadow is within a registered area. These seeds are then processed to remove excessive admixture and graded so they can be used in measurable amounts in prescribed mixtures.

Contents of wildflower mixtures will vary according to seed and species availability



WILDFLOWER OPTIONS

Other standard mixtures available.

Offered as 100% Native Wildflowers or usually 20% Wildflowers 80% Native Grass.

- Chalk & Limestone
- Dry & sandy loam
- Loam & Alluvial
- Heavy Clay soils
- Wetland & pond edge
- Hedgerow & Light shade
- Woodland & Heavy shade
- Coastal areas
- Acidic Soils
- Wild Bird Mix CS (some cultivated species)

Bespoke Mixtures also available using

- 110 species of Wild Flower available
- 35 Species of grass available

Please contact sales office for current availability list and species characteristics



GFX



GFX



GFX

