

# Meadowscape Pro™

## Lowland Meadow

### Product Specification

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#### Product Code:

MDSCLLM

#### Manufacturer:

Wildflower Co.

#### Manufacturer Contact Details

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# Technical Specification

<b>Product code</b>	MDSCLLM
<b>Manufacturer</b>	Wildflower Co.
<b>Dimensions</b>	Delivered in 1m <sup>3</sup> bulk bags or 2m <sup>3</sup> bulk bags equating to 40m <sup>2</sup> or 80m <sup>2</sup>
<b>Weight</b>	400kg for a 1m <sup>3</sup> bulk bag and 800kg for a 2m <sup>3</sup> bulk bag
<b>No. of species</b>	22 wildflowers and 5 non invasive grasses <a href="#">Access full species list here.</a>
<b>Grass:flora sowing ratio</b>	80% UK native wildflowers*, 20% grasses
<b>Flowering period</b>	March-October
<b>Established height</b>	25-100cm (Avg height 68cm)
<b>Time to establish</b>	3-18 months (at least 1 year for plants that need vernalisation period)
<b>Soil type</b>	Suitable for neutral soil types
<b>Seed provenance and testing</b>	Grown in England using UK native species. Seed analysis results available on request.
<b>Recyclability</b>	100%, including packaging.
<b>BNG suitability</b>	32 Lowland Meadow species <a href="#">Refer to Habitat &amp; Condition assessment.</a>
<b>Substrate features</b>	Contains Hydropor™ for greater moisture retention
<b>Seed mix</b>	Calibrated using seed weight analysis

## Scientifically Engineered: About this pre-seeded growing medium

This revolutionary substrate isn't your average soil. It's been scientifically engineered and rigorously tested to be the perfect incubator for the wildflower seeds. Compared to traditional methods, this translates to a dramatically improved germination process.

Our unique, 100% natural and peat-free formula slashes the full establishment time from years for traditional seeding, to just 3-12 months, depending on sowing season.

Our seed mixes are already integrated. They are meticulously formulated based on scientific analysis. Seed weight, size and germination undergoes lab analysis for optimum inclusion rates. Omitting this process affects species diversity.

\* Actual % may vary, based on environmental factors and seed availability. You may not see every species listed as the product is designed to adapt to individual settings, including a wide range of soil types and environmental conditions. Many species may not flower within the first year.

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# Species List

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All seed grown by Wildflower Co. is tested to stringent standards for germination and purity.

Seed analysis results are available on request.

Species	Flowering Time	Ultimate Height	Colour	Life Cycle
<b>Wildflower Species</b>				
Autumn Hawkbit ( <i>Scorzoneroideis autumnalis</i> )	June - Oct	50	Yellow	P
Betony ( <i>Betonica officinalis</i> )	June - Aug	60	Pink	P
Birdsfoot Trefoil ( <i>Lotus corniculatus</i> )	May - Sept	30	Yellow	P
Burnet Saxifrage ( <i>Pimpinella saxifraga</i> )	June-Sept	30	White	P
Common Agrimony ( <i>Agrimonia eupatoria</i> )	June - Sept	80	Yellow	P
Common Knapweed ( <i>Centaurea nigra</i> )	June - Sept	100	Purple	P
Common Meadow-rue ( <i>Thalictrum flavum</i> )	May-Aug	100	Yellow	P
Cowslip ( <i>Primula veris</i> )	Apr - June	25	Yellow	P
Dropwort ( <i>Filipendula vulgaris</i> )	June-Aug	50	White	P
Field Scabious ( <i>Knautia arvensis</i> )	July - Oct	30-150	Purple	P
Great Burnet ( <i>Sanguisorba officinalis</i> )	June-Sept	150	Red	P
Greater Bird's-foot Trefoil ( <i>Lotus pendunculatus</i> )	May-Aug	30	Yellow	P
Lady's Bedstraw ( <i>Gallium verum</i> )	June - Sept	50	Yellow	P
Meadow Vetchling ( <i>Lathyrus pratensis</i> )	May - Aug	80-120	Yellow	P
Meadow-sweet ( <i>Filipendula ulmaria</i> )	July - Aug	120	White	P
Oxeye Daisy ( <i>Leucanthemum vulgare</i> )	May - July	90	White	P
Ragged Robin ( <i>Silene flos-cuculi</i> )	June -Aug	80	Pink	P
Rough Hawkbit ( <i>Leontodon hispidus</i> )	June -Sept	50	Yellow	P
Salad Burnet ( <i>Sanguisorba minor</i> )	June - Aug	65	Red	P
Sneezewort ( <i>Achillea ptarmica</i> )	July-Sept	30	White	P
Water Avens ( <i>Geum rivale</i> )	June -Sept	30-60	Purple	P
Yellow Rattle ( <i>Rhinathus minor</i> )	May - July	50	Yellow	SLP
<b>Grasses</b>				
Common Bent ( <i>Agrostis capillaris</i> )	Mar-Sep	70	Olive	P
Crested dog's-tail ( <i>Cynosurus cristatus</i> )	June - Aug	75	Olive	SLP
Meadow Fescue ( <i>Festuca pratensis</i> )	June - July	80	Red	P
Sweet vernal-grass ( <i>Anthoxanthum odoratum</i> )	May - June	70	Brown	SLP
Yellow Oat-grass ( <i>Trisetum flavescens</i> )	June - July	60	Brown	P

\*You may not see every species listed as the product is designed to adapt to individual settings, including a wide range of soil types and environmental conditions. Many species may not flower during the first year.

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# Biodiversity Net Gain (BNG) Projects

## Time to Target Condition

Meadscape Pro™ can provide a quicker method of establishing habitats than using seed alone. This can improve 'Time to Target Condition' as the habitat is usually mature within 12-18 months.

## BNG Habitat & Condition Assessment

The below information is subject to ecologist & LPA approval/report and is dependent on [installation guide](#) and [maintenance instructions](#) provided by Wildflower Co. being correctly followed.

What BNG habitat can Lowland Meadow create?			
	Lowland Meadow	Lowland Calcareous	Other Neutral Grassland
<b>No of indicator species</b>	32	N/A	N/A
<b>Condition on installation</b>	Poor	Poor	Poor
<b>Condition at 5 years</b> <i>(providing management plan followed)</i>	Good	Good	Good
<b>Condition at 30 years</b> <i>(providing management plan followed)</i>	Good	Good	Good

For further details, refer to the full [BNG Condition Assessment Criteria](#).

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## Ensuring Success - Consultancy and Handover

[Our consultancy offers](#) several options for ensuring long term success of wildflower installations. High value projects will benefit from early advice on the practicalities of planning, establishment, handover and long-term maintenance, verifying products meet specifications and objectives for wildflower habitat creation. We can also ensure the installation and maintenance contractor understands specification, product and maintenance requirements at any stage of the project. This is particularly valuable at site handover, in advance of maintenance work or where contracts and/or contractors change during the lifetime of the project.

An Installation Certificate can be provided upon installation as part of some consultancy packages to certify that the product has been installed correctly.

[View consultancy and BNG consultancy packages here.](#)

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# Preparation and installation

## Management plan for long-term success

### • Soil preparation

Do NOT rotovate, dig or disturb the soil. The existing vegetation should be killed or removed. If spraying off the area, this should be conducted according to the chemical manufacturer's instructions a minimum of 2 weeks before installation of the Meadowscape Pro™. If there is a residue of more than a light covering of dead surface vegetation after two weeks then this needs to be cut and removed. This is necessary otherwise Meadowscape Pro™ will be suspended on the dead thatch above the soil surface, preventing good seed germination and successful seedling growth. Meadowscape Pro™ can also be laid on sterile imported soil, but if so the soil needs to be levelled for a smooth finish and for ease of laying product.

### • Soil conditions and fertility

Ensure soil is not waterlogged or compacted prior to installing Meadowscape Pro™. The soil does not need to be fertilised before or after the installation. We would advise not stripping back the top soil to reduce soil fertility before using Meadowscape Pro™ as it needs some level of fertility to get well-established initially and is an unnecessary ground preparation step. However, where soil is fertile, particular attention must be paid to the maintenance regime – see maintenance section.

### • Laying Meadowscape Pro™

When laying Meadowscape Pro™, care should be taken to ensure a uniform depth of 20 – 25mm is laid. Do not over or under apply the material. Over application results in an imbalance of seed and nutrient ratios for a given area creating too much competition between the plants. Under applying will create a thin layer of seeded material creating sparser and poorer germination results whilst also limiting Meadowscape Pro™'s ability to suppress weed seeds in the surface of the soil beneath.

### • Watering

Once laid, water the area thoroughly, for the first few weeks until a seedling sward starts to appear– this could take up to 4-6 weeks (weather dependent). There is no need to soak the soil before laying but it is important to check that the initial watering soaks through the entire dressing of growing medium and ideally into the soil beneath. Do this by scratching the growing medium during watering to assess sufficient water uptake. Once the Meadowscape Pro™ is wet through, stop watering – excessive watering will lead to run off and erosion of the material. Do not allow the profile of the Meadowscape Pro™ to dry out while the seeds establish, it need to be damp – this is very important. Depending on the time of year, seedlings will emerge in the first few weeks and these plants will develop rapidly as a result of the perfect growing conditions the Meadowscape Pro™ provides.

# Maintenance

## Management plan for long term success

### Fertiliser

No fertiliser is needed, although in some circumstances, for example where the wildflower installation is on very low fertility soil such as sand or gravel, the addition of a light dose of fertiliser in the spring may improve plant development. Please contact Wildflower Co. guidance.

### Annual Maintenance

Once established Meadowscape Pro™ requires little maintenance. For the annual maintenance cut in the autumn, it is important to cut the meadow down to 2-3 inches (50-75mm) off the ground and remove all cuttings. This can be done by strimming and raking, or using a mower and collecting the cuttings. Make sure these tools are sharp. The cut is an important part of the meadows life cycle and ensures that re-growth and species diversity improves year on year. Cuttings should not be left on the meadow, as they add undesirable fertility to the ground. It is also important to remove all leaf litter that falls onto the area.

### Timing the cut

The annual maintenance cut should be done in late September, early October. There is no need for a set date, but this timing will allow the plants in the meadow to regenerate before the first frost typically in November. You can choose to cut only half of the meadow area at one time to allow time for fauna to migrate to the uncut meadow. Allow some regrowth of the cut area before cutting the second half, but aim to have finished all cutting by the end of the first week of October. Over time alternate the areas that are cut early and the areas that are left as this will benefit species diversity.

### Managing the fertility in the ground

On fertile sites or where you might have species dominance or too vigorous early growth, a second cut at the end of May, beginning of June can be introduced. This high cut, approximately 8 to 10 inches off the ground (200mm to 250mm) to remove the flower heads but leaving enough plant stems and leaf area to regenerate, and removal of all cuttings, will help to knock back some species dominance, reduce soil fertility and open up the sward to more light and air circulation to promote diversity of lower growing species. Once the cutting has been completed and all cuttings removed, give the area a good soaking with water to encourage the next flush of growth. Introducing this early summer cut and removal will mean your second autumn cut and removal will be later that year, up to the end of October.

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