



PRODUCT GUIDE
2022

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Lawn Turf

Meadowmat Wildflower Turf

Enviromat Sedum Matting

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01 Turfonline Timeline

1962

Sussex Turf Supplies is born.

02

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1979

Sussex Turf Supplies moves to Lancashire and takes on its new name of Turfland.

12

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40

1985

Stewarts Turf set up to supply Scotland's Greenkeepers, Groundsmen and Landscapers.

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1993

Qlawns starts turf production in Feltwell, Norfolk.

66

1998

Enviromat Sedum Matting is launched.

2005

Turfonline.co.uk launches.

2006

Spearhead Turf first harvests.

2007

Qlawns joins Harrowden Group.

2010

Meadowmat Wildflower Turf launches.

Turfland joins Harrowden Group.

2012

Turfland's 50th anniversary.





About Turfonline

Turfonline is the UK's largest grower and distributor of turf. We are also recognised for our comprehensive range of wildflower and sedum mat products, together with topsoil and other premium landscaping products.

We pride ourselves on our professionalism, reliability, integrity, and passion for delivering outstanding customer service. There is no room to stand still in such a competitive environment and our culture of innovation means our products and services evolve and are at the forefront of industry trends and developments.

Turfonline is a family run company that was borne out of the amalgamation of four of the UK's most renowned regional turf companies. We boast a wealth of specialised growing skills and experience, coupled with in-depth local knowledge gained over more than 50 years in the turf industry. This has created true nationwide capability without the loss of that all-important local knowledge and experience.

We believe it is important to have a clear vision and set of values to demonstrate what we are all about and how we operate.

Our Vision

Help create inspirational green spaces that enrich lives and our environment.

Our Mission

To sustainably deliver the right products, to the right place, at the right time, every time.

Our Values

Quality We strive to deliver outstanding products and exceptional customer service every day.

Integrity We are open and honest in all our dealings to build trust and more resilient relationships.

Innovation We challenge what we do everyday to drive positive change.

Teamwork We believe in growing better together to deliver more success through shared goals and mutual support.

Sustainability We aim to grow and develop our business whilst caring for the environment and our community.

2013

Stewarts Turf joins Harrowden Group.

2015

Spearhead Turf joins Harrowden Group.

2016

Harrowden Turf brand launches and moves to a new Head Office at Islip, Northamptonshire.

Harrowden Turf Warrington depot relocates.

2020

Harrowden Turf Kettering depot opens at Islip.

2022

New Turfonline website launches.

All around the UK people experience our superior living landscape products every day. And now you are about to experience for yourself the benefits of choosing the UK's leading turf grower.



Why Turfonline

At Turfonline we are passionate about our products and are totally focused on providing excellent customer services. With our extensive product knowledge and years of experience supplying the landscape industry, we are able to provide the consistency of product and the reliability of service our customers demand. Turfonline has adopted the very latest technology across planting, maintenance, harvesting and distribution to ensure that our customers are supplied with only the best possible product, in peak condition, where they want it, when they want it.

What gives Turfonline the edge over competitors?

No other turf company has the broad geographic spread of production centres with unrivalled regional knowledge gained over many years in the turf industry. Locating our production sites closer to our customers means we are well placed to sustainably service customers across the UK. We believe we have several other advantages over our competitors:

Product range our wide range of industry leading turf, Meadowmat Wildflower Turf, Enviromat Sedum Matting and other landscaping products suitable for many applications.

Consistency from planting to delivery of the end-product we operate the same systems, production processes and methodology across all sites. All our farms can irrigate during dry spells and supply can be switched between farms if severe weather conditions begin to impact quality, allowing us to provide reliable year-round supply.

Distribution our market leading delivery service whether via our own forklift enabled fleet, partnerships with reliable specialist hauliers and national pallet networks. This in combination with our local production and depot collection locations gives customers greater access to our products. Our local presence lowers journey times, increases delivery reliability and means fresher turf upon arrival. The ability to offer priority services and accurate ETA's gives you the ability to plan your work effectively.

Scale as one of the largest turf producers in Europe we negotiate the best prices and demand the highest quality seed, inputs, equipment, and haulage, passing the benefits on to our customers. It also creates the platform for innovation with scope and resource to invest in R&D to ensure we remain at the forefront of industry developments.

Trust we seek to be open and transparent in all our dealings. We have a proud history and are in business for the long-term through building strong relationships and delivering quality every time. We are happy to be held to account and we subscribe to the independently administered reviews.co.uk to obtain real customer feedback and testimonials.

Process Control Turfonline's modern processes and IT systems make having turf delivered easier than ever, even at short notice.

People Above all we pride ourselves on our great people, seamlessly working together to ensure we deliver the right products, to the right place, at the right time, every time.

“ Our order turned up when promised and was in excellent condition... we laid it the same evening... we have kept it well watered... It quickly grew into lush weed-free grass and is looking fantastic. Thank you. ”

D.Wade - Sept 2020



Introducing our lawn turf range

Grown the way nature intended

Good land for turf cultivation is very hard to find. It has taken us many years to select the perfect location for our farms. Turfonline is grown on some of the finest soil in the country. Rich and fertile, it encourages a vigorous root system that allows our turves to establish quickly into any type of soil.

The choice of grass seed used in turf production plays an important part in how the finished lawn will look and perform. We draw on our accumulated knowledge to source varieties for best possible colour, disease resistance, durability and growth habit.

It is then over to our team of turf growers who utilise pioneering techniques and state-of-the-art machinery to ensure the turf you receive meets our high standards. We painstakingly tend to our fields ensuring every roll of turf that leaves our farms is lush, fresh, strong and ready for you to create the perfect lawn. At Turfonline each load is harvested to order.

Peace of mind guaranteed! All our turf is checked to ensure it meets our strict quality standards.

Selecting the right turf

To make your choice easier we offer four varieties, our principal lawn turf, ornamental turf, a shady areas option and a wildflower meadow turf.

Premium An attractive and durable turf perfect for garden lawns, sports areas and general purpose landscaping. A carefully blended mix of fine-leaved Perennial Ryegrass, Slender Creeping Red Fescue, Smooth-Stalked Meadow Grass and Chewing's Fescue.

Royal Greens For ornamental lawns, prestige landscaping projects and golf greens. The mix is predominantly fine fescue grasses with a small amount of bent. This turf will withstand close mowing to produce a fine show lawn or green. Recommended to professional gardeners and greenkeepers only due to high maintenance requirements.

Shadesman is a specialist turf variety developed for full shade areas like courtyard gardens, urban areas, and under mature trees. This lawn requires 50% less mowing than conventional turf varieties. It has high drought tolerance and can withstand heavy footfall. However, this turf will not survive in areas with poor drainage.

Species Rich is a blend of 12 slow growing grasses and 23 native wildflowers perfect for creating an informal lawn that is both pretty and pollinator-friendly and a lawn that is hardwearing, incredibly easy to care for and a real asset to biodiversity.

You can't grow the finest living landscaping in factory conditions - so our turf is grown on some of the best-kept farmland in the country.





Specifications: Jubilee Turf

- **Available from** www.turfonline.co.uk
- **Standard Size**
 - 1m²
 - 610mm wide (24")
 - 1640mm long (64.5")
- Soil Thickness** 10mm to 15mm (0.39" to 0.59")
- Roll Weight** 18kg – saturated weight may be up to 22kg
- Grass height on despatch** Approx. 25mm (1")
- **Large Format Rolls** 10m² or 20m² are available on request. Laying equipment for large format rolls is available to hire.

All measurements are approximate and taken when harvested.

- **Growth**

Turfonline Jubilee Turf is grown for approximately 12 months produced using no plastic netting. The seed cultivars used are independently selected to provide the best quality sward. This results in a unique blend that produces a finer leaved luxurious but hardwearing lawn. Turfonline Jubilee Turf will have been treated for weeds and will contain mature grass plants, root fibre and enough soil to maintain the plant during establishment. Each roll should be strong enough to support its own weight when lifted at one end.
- **Typical Seed Mixture***
 - 20% Perennial Ryegrass
 - 10% Smooth Stalked Meadow Grass
 - 35% Slender Creeping Red Fescue
 - 20% Strong Creepeing Red Fescue
 - 15% Chewing's Fescue
- **Soil Classification**

Grown on free draining DEFRA classified grade 1 mineral sand or organic loams.

Attractive and easy to maintain, our Jubilee Turf contains a carefully blended mix of fine-leaved Perennial Ryegrass, Slender Creeping Red Fescue, Smooth-Stalked Meadow Grass and Chewing's Fescue.

Features: Jubilee Turf

■ Features

Due to the unique mix of species and cultivars this turf will have some shade, drought and salt tolerance.
Good year round colour.

Close mowing capability.

High shoot density with good rhizomatous recovery.

Outstanding tolerance to fusarium, red thread and dollar spot.

Compatible with most growing mediums found throughout the UK.

Ideal for:

High quality landscapes

Commercial landscaping

Domestic lawns

Golf tees

Hardwearing amenity sports areas

Urban areas

What's in our Jubilee lawn*

20% Perennial Ryegrass

10% Smooth Stalked Meadow Grass

35% Slender Creeping Red Fescue

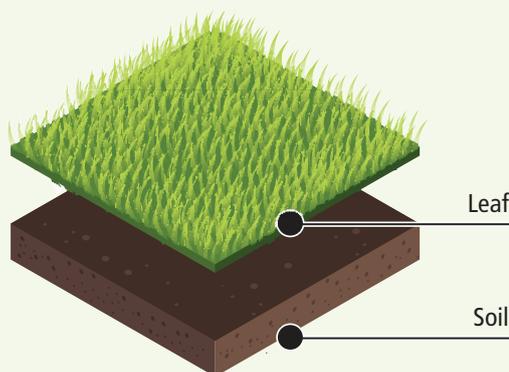
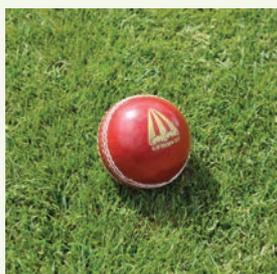
20% Strong Creepeing Red Fescue

15% Chewing's Fescue

**As sown. The actual percentage of each species contained may vary due to environmental factors. Turfonline makes every effort to ensure the presence of Poa annua is kept to a minimum, however we cannot guarantee that any turf is Poa annua free on delivery, either post or pre-emergent.*



100% Grasses





Specifications: Garden Lawn Turf

■ Available from	www.turfonline.co.uk
■ Standard Size	1m ² 610mm wide (24") 1640mm long (64.5")
Soil Thickness	10mm to 15mm (0.39" to 0.59")
Roll Weight	18kg – saturated weight may be up to 22kg
Grass height on despatch	Approx. 25mm (1")

All measurements are approximate and taken when harvested.

- **Growth**

Garden Lawn turf is grown in the same way as Jubilee Turf using no plastic netting. The seed cultivars used have been selected to provide a robust, hard wearing turf with a neat and tidy appearance. Garden Lawn is easy to look after and requires little more than regular mowing and a sensible feeding regime. Garden Lawn Turf will have been treated for weeds and will contain mature grass plants, root fibre and enough soil to maintain the plant during establishment. Each roll should be strong enough to support its own weight when lifted at one end.
- **Typical Seed Mixture***

20% Perennial Ryegrass
10% Smooth Stalked Meadow Grass
35% Slender Creeping Red Fescue
20% Strong Creeping Red Fescue
15% Chewing's Fescue
- **Soil Classification**

Grown on free draining DEFRA classified grade 1 mineral sand or organic loams.

Give your lawn a touch of beauty with our weed-free Garden Lawn Turf, highly recommended for the budget conscious home-owner.

Features: Garden Lawn Turf

■ Features

Due to the unique mix of species and cultivars this turf will have some shade, drought and salt tolerance. This turf is ideal for budget friendly installations where a quality finish is still desired.

Outstanding tolerance to fusarium, red thread and dollar spot. Good resistance to fusarium, red thread and dollar spot.

Close mowing capability.

Low maintenance.

Ideal for:

Low maintenance areas

Commercial landscaping

Domestic lawns

Golf tees

Hardwearing amenity sports areas

Urban areas

What's in our Garden Lawn Turf*

20% Perennial Ryegrass

10% Smooth Stalked Meadow Grass

35% Slender Creeping Red Fescue

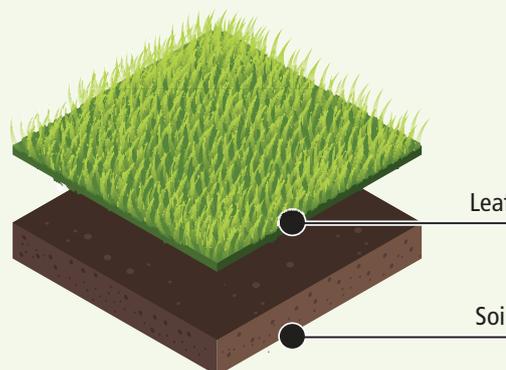
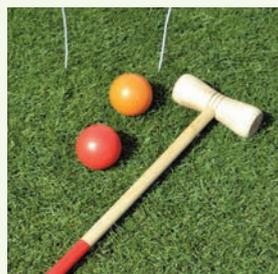
20% Strong Creeping Red Fescue

15% Chewing's Fescue

**As sown. The actual percentage of each species contained may vary due to environmental factors. Turfonline makes every effort to ensure the presence of Poa annua is kept to a minimum, however we cannot guarantee that any turf is Poa annua free on delivery, either post or pre-emergent.*



100% Grasses





Specifications: Royal Greens

■ Available from	www.turfonline.co.uk
■ Standard Size	1m ² 610mm wide (24") 1640mm long (64.5")
Soil Thickness	10mm to 15mm (0.39" to 0.59")
Roll Weight	18kg – saturated weight may be up to 22kg
Grass height on despatch	Approx. 10mm (0.39")

All measurements are approximate and taken when harvested.

Royal Greens Turf requires regular skilled maintenance by a professional greenkeeper or gardener and is therefore unsuitable for the majority of domestic applications.

■ Growth	Turfonline Royal Greens is grown for approximately 12 months and is produced without plastic netting. The seed cultivars used are independently selected to provide a superior quality, fine, dense sward. Turfonline Royal Greens will have been treated for weeds and will contain mature grass plants, root fibre and enough soil to maintain the plant during establishment. Each roll should be strong enough to support its own weight when lifted at one end.
■ Typical Seed Mixture*	20% Browntop Bent 40% Slender Creeping Red Fescue 40% Chewing's Fescue
■ Soil Classification	Grown on free draining sandy loams close to USGA (United States Golf Association) specification.

Features: Royal Greens

■ Features

Extremely fine texture.
Excellent year round colour.
Extreme close mowing capability.
Compatible with most growing mediums found throughout the UK.
Outstanding disease resistance.
Requires regular skilled care and maintenance.

Ideal for:

Luxury ornamental lawns

Golf greens

Bowling greens

What's in our Royal Greens Turf*

20% Browntop Bent

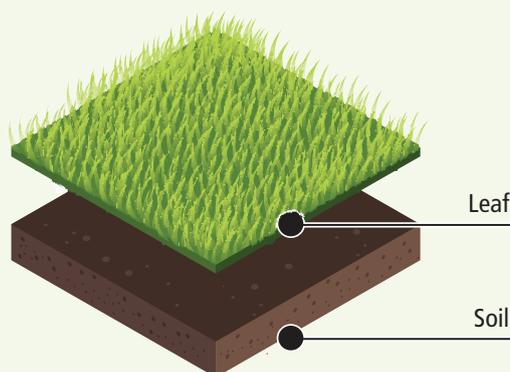
40% Slender Creeping Red Fescue

40% Chewing's Fescue

**As sown. The actual percentage of each species contained may vary due to environmental factors. Turfonline makes every effort to ensure the presence of Poa Annua is kept to a minimum, however we cannot guarantee that any turf is Poa Annua free on delivery, either post or pre-emergent.*



100% Grasses



Specifications: Shadesman+ Turf

■ Available from	www.turfonline.co.uk
■ Standard Size	1m ² 610mm wide (24") 1640mm long (64.5")
Soil Thickness	10mm to 15mm (0.39" to 0.59")
Roll Weight	18kg – saturated weight may be up to 22kg
Grass height on despatch	Approx. 25mm (1")

All measurements are approximate and taken when harvested.

■ Growth	Turfonline Shadesman+ is grown for approximately 18 months and is produced using no plastic netting. The use of Poa Supina and Poa Pratensis creates a medium textured low maintenance lawn, that is both shade and drought tolerant. Turfonline Shadesman+ will have been treated for weeds and will contain mature grass plants, root fibre and enough soil to maintain the plant during establishment. Each roll should be strong enough to support its own weight when lifted at one end.
■ Typical Seed Mixture*	50% Poa Supina 50% Poa Pratensis
■ Soil Classification	Grown on free draining DEFRA classified grade 1 mineral sand or organic loams.

Shadesman+ builds on the features of our popular Shadesman Turf. The addition of Poa Pratensis creates an extremely hardwearing lawn that is both shade and drought tolerant.

Features: Shadesman+ Turf

■ Features

Extremely high shade tolerance.
Drought tolerant.

Excellent year round colour and winter hardy.

Close mowing capability.

High shoot density with unique stoloniferous creeping ability.

Low maintenance requiring up to 50% less mowing than a conventional ryegrass turf.

Compatible with most growing mediums found throughout the UK however this turf is not suitable for areas with poor drainage or waterlogging.

Ideal for:

Shaded landscaped areas

Commercial landscaping

Domestic lawns

Golf tees

Racecourses

Hardwearing amenity areas

Urban areas

What's in our Shadesman+ Turf

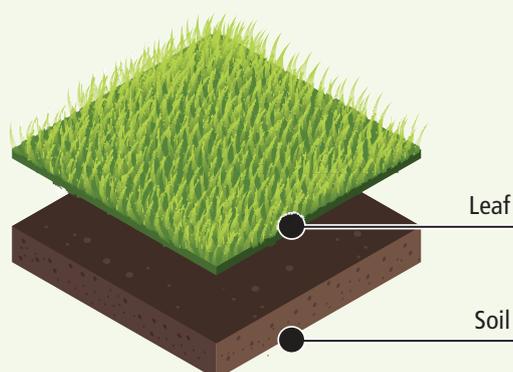
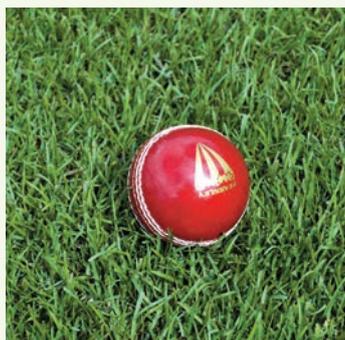
50% Poa Supina*

50% Poa Pratensis*

**As sown. The actual percentage of each species contained may vary due to environmental factors. Turfonline makes every effort to ensure the presence of Poa Annua is kept to a minimum, however we cannot guarantee that any turf is Poa Annua free on delivery, either post or pre-emergent.*



100% Grasses



Specifications: Species Rich Turf

■ Available from	www.turfonline.co.uk
■ Standard Size	1m ² 500mm wide (19.6") 2000mm long (78.7")
Soil Thickness	15mm to 25mm (0.59" to 0.98")
Roll Weight	18kg – saturated weight may be up to 22kg
Grass height on despatch	Approx. 40mm (1.5")

All measurements are approximate and taken when harvested.

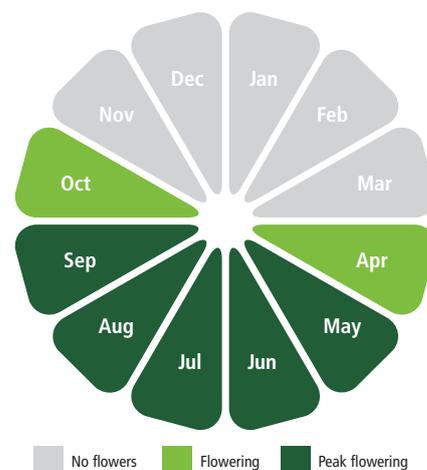
■ **Growth** Turfonline Species Rich Lawn Turf is a blend of 12 slow-growing grasses and 23 native wildflowers. The specially selected grasses ensure full coverage all year round. Turfonline Species Rich Lawn Turf will contain mature plants, root fibre and enough soil to maintain the plant during establishment.

■ **Typical Seed Mixture*** 80% Slow Growing Grasses
20% Native Wildflowers

■ **Soil Classification** Grown on a sandy loam and compost based substrate.

Species Rich Lawn Turf is a blend of 12 slow growing grasses and 23 native wildflowers. The specially selected grasses ensure full coverage all year round.

Flowering Times



Features: Species Rich Turf

■ Features

Biodiverse and pollinator friendly.
Low maintenance.
Hardwearing.
Good year-round colour and appearance.
Good drought tolerance.
Compatible with most growing mediums found throughout the UK and can tolerate slightly more nutrient rich soils.

Ideal for:

Low maintenance areas
Commercial landscaping
Domestic lawns
Urban areas

What's in our Species Rich lawn

- Slender Creeping Red Fescue
- Hard Fescue
- Sheep's Fescue
- Small Leaved Timothy
- Crested Dogs Tail
- Brown Top Bent
- Chewings Fescue
- Creeping Bent
- Strong Creeping Red Fescue
- Smooth Meadow Grass
- Rough Stalked Meadow Grass
- Perennial Ryegrass
- Autumn Hawkbit
- Yellow Rattle
- Small Scabious
- Wood Sage
- Wild Carrot
- Red Clover
- Common Dandelion
- Common Knapweed
- Meadow Buttercup
- Rough Hawkbit
- Cat's Ear
- Cowslip
- Common Mouse-ear
- Flax
- Birdsfoot Trefoil
- Black Medick
- Ribwort Plantain
- Common Sorrel
- Lady's Bedstraw
- White Clover
- Creeping Buttercup
- Selfheal
- Yarrow



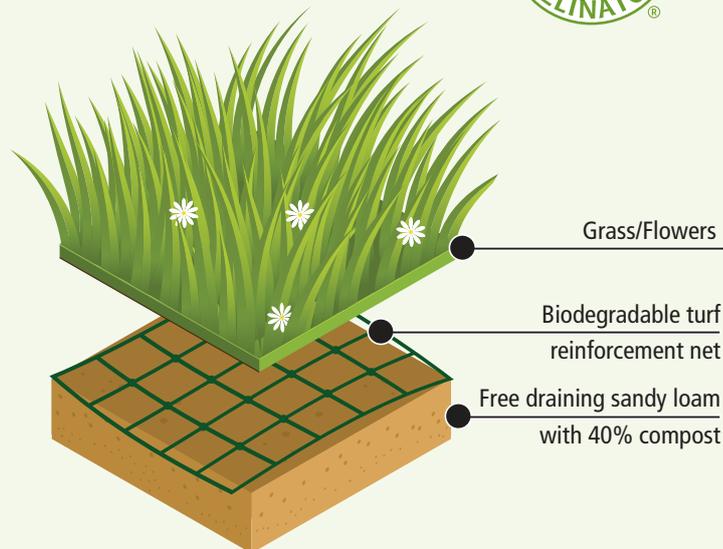
80% Grasses
20% Flowers



Slow Growing Grasses



Native Wildflowers



**As sown. The actual percentage of each species contained may vary due to environmental factors. Turfonline makes every effort to ensure wildflower products are free from weeds and pests, however due to the natural way in which these products are grown we cannot guarantee they are 100% pest free on delivery. It is unlikely that you will see every species that is listed. The variation of species present has been developed to suit a wide variety of soils and environmental conditions. This will result in a product that will adapt to individual settings which may mean some species are more successful than others. Contains annual and perennial species.*



Introducing our Meadowmat range



Meadowmat is a quick, convenient and easy way to establish a wildflower area in your garden.

The speedy way to create biodiverse planting schemes

Since the Second World War, 98% of the UK's wildflower meadows have disappeared; a loss of a source of food and shelter to countless species of insects, birds, invertebrates and small mammals. If every gardener in the UK were to turn just 10% of their garden into wildflower meadow, we could reinstate 10,000 acres of butterfly habitat. The UK is lucky enough to support over 1,300 different wildflower species. However, in some counties of the UK wildflowers are disappearing at a rate of more than 2 species per year.

Wildflowers can be notoriously difficult to establish in a garden. Meadowmat is a convenient, quick and easy way to establish a wildflower area. Specially selected mixtures of native and wildlife friendly flowers and grasses pre grown on a proven matting system. All you have to do is unroll the mat on to prepared ground and keep it well watered until it roots into your soil.

We have been developing our range of wildflower products since 2010. Each variety of Meadowmat Wildflower Turf is a colourful mix of flowering plants and grasses all growing strongly onto our proven matting system. Currently we have seven different wildflower mats but new ones are being developed all the time. Each variety has been specially developed to suit a range of applications, from recreating a cottage garden, green roofing or even Sustainable Drainage Systems, its likely we have a mat suitable for your application, and if we don't we can even contract grow to your specific requirements. Please get in touch to discuss your requirements.

Each piece of Meadowmat Wildflower Turf is nurtured from seed to despatch by a small team working on our production unit in rural Norfolk. It's important to us that our different types of Meadowmat Wildflower Turf are as natural as possible. It's grown out of doors and wherever possible we choose UK sourced seeds. We avoid using pesticides during the growing process and instead we welcome a host of insects and mammals to enjoy the plants as they develop.

To get the very best from all our different types of Meadowmat Wildflower Turf, we recommend that it is installed onto low fertility soil.

All of our Meadowmat Wildflower Turf varieties contain plants that have been recognised by The RHS as being essential to support the UK's declining pollinators. More information can be found by visiting the RHS website: www.rhs.org.uk

Why Choose Meadowmat?

- Pre-grown mats give you instant ground cover.
- Matting system helps to suppress annual weeds.
- Fast establishment – Meadowmat often flowers in its first summer and provides instant ground coverage.
- Mixed perennial and biennial plants that keep flowering year after year.
- Plant species chosen to provide food and habitat for bees, birds, butterflies and small mammals.
- Low maintenance only requiring minimal maintenance at the end of the flowering season.
- Plant species have been chosen to be hardy throughout the UK.
- Low carbon footprint – our mats are British Grown in East Anglia.





Where are you locating your meadow?

When deciding on a wildflower area there are a few things to consider.

Turf or Seed – MeadowMat Wildflower Turf was invented not just to make it easier and faster to create a new meadow but also to overcome the problems that can come with sowing wildflower seeds. However, if you prefer to sow your meadow, we can supply our seed mixtures as an alternative to laying rolls of established MeadowMat Wildflower Turf.

Sunshine – Wildflowers like sunshine. For best results, the ideal spot for a wildflower meadow is an open and sunny spot. The amount of sunlight the area gets will influence how many flowers you will see. In a shady spot you may find you have lots of green growth but very few flowers.

Soil type – Wildflowers thrive in impoverished soils. If the area you chose has moderate to high levels of nutrition, it's likely you will get lots of green leafy growth and any grasses in the mix will do especially well. This will mean your wildflower area will require more maintenance throughout the season and may not have the diversity of flowers as the plants compete for sunlight.

Access – Once your meadow is established and in full flower you probably won't want to walk across it. Make sure that your location doesn't block off any important access. Pathways can be mown through if required.



Specifications: Traditional Meadowmat

■ Available from	www.turfonline.co.uk
■ Standard Size	1m ² 500mm wide (19.6") 2000mm long (78.7")
Soil Thickness	18mm to 20mm (0.71" to 0.78")
Roll Weight	20kg – saturated weight may be up to 25kg
Grass height on despatch	Approx. 100mm (4"). The product is mown before despatch to minimise damage to plants. It will not be in flower when it is delivered.

All measurements are approximate and taken when harvested.

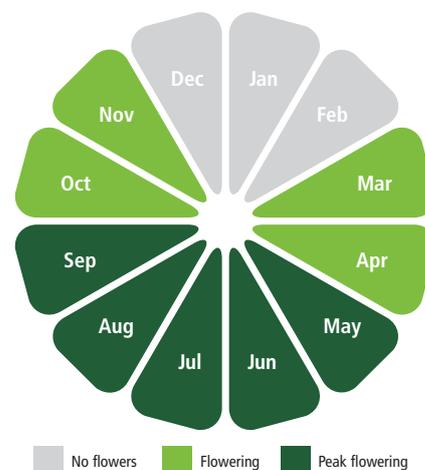
■ **Growth** Turfonline Traditional Meadowmat is a blend of 3 slow-growing grasses and 31 native wildflowers typically found in an old fashioned hay meadow. Many of the species are perennial which means they will flower every year if the conditions are suitable. The specially selected grasses ensure coverage all year round. Turfonline Traditional Meadowmat will contain mature plants, root fibre and enough soil to maintain the plant during establishment.

■ **Typical Seed Mixture*** 20% Slow Growing Grasses
80% Native Wildflowers

■ **Soil Classification** Grown on a sandy loam and compost based substrate

Traditional Meadowmat gives you a colourful mix of grasses and flowers to recreate the wildflower meadows of yesteryear in your garden.

Flowering Times



Features:

Traditional Meadowmat

■ Features

A mixture of mature plants that allows you to establish dense planting very quickly - more reliable than seeding and less time consuming than plug planting.

Biodiverse and pollinator friendly providing a valuable source of nectar and food for many species of insects and birds.

A mixture of grasses and wildflowers for year-round interest.

Environmentally-friendly requiring no fertilisers or pesticides.

Low maintenance – does not require regular mowing.

Prefers a neutral pH but can tolerate acidic or alkaline soils - for best results this product requires installation on a low nutrient soil.

Ideal for:

Biodiverse landscaping schemes

Low maintenance areas

Commercial landscaping

Urban areas and parks

Domestic gardens

What's in our Traditional Meadowmat

- Slender Creeping Red Fescue
- Sheep's Fescue
- Crested Dogs Tail
- Autumn Hawkbit
- Betony
- Birdsfoot Trefoil
- Bladder Campion
- Catsear
- Common Knapweed
- Common Sorrel
- Common St John's Wort
- Common Toadflax
- Common Vetch
- Cowslip
- Daisy
- Field Scabious
- Lady's Bedstraw
- Meadow Buttercup
- Meadow Cranesbill
- Meadowsweet
- Musk Mallow
- Ragged Robin
- Red Campion
- Red Clover
- Ribwort Plantain
- Rough Hawkbit
- Salad Burnet
- Selfheal
- Tufted Vetch
- White Campion
- Wild Carrot
- Wild Marjoram
- Yarrow
- Yellow Rattle



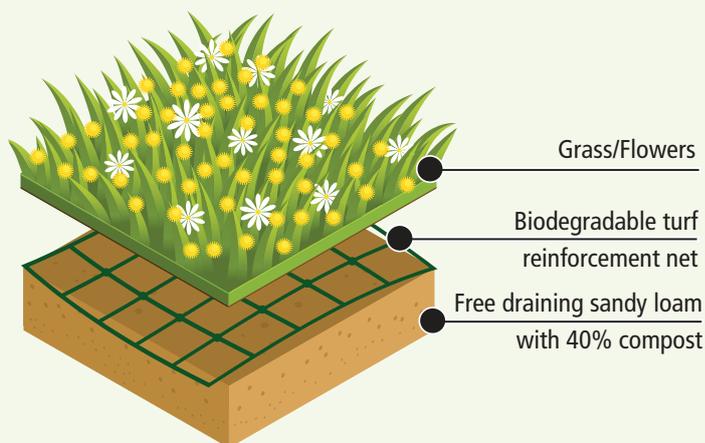
**20% Grasses
80% Flowers**



Slow Growing Grasses



Native Wildflowers



**As sown. The actual percentage of each species contained may vary due to environmental factors. Turfonline makes every effort to ensure wildflower products are free from weeds and pests, however due to the natural way in which these products are grown we cannot guarantee they are 100% pest free on delivery. It is unlikely that you will see every species that is listed. The variation of species present has been developed to suit a wide variety of soils and environmental conditions. This will result in a product that will adapt to individual settings which may mean some species are more successful than others. Contains annual and perennial species. If installed after March many species may not flower during the first year.*

Specifications:

Birds & Bees Meadowmat

■ Available from	www.turfonline.co.uk
■ Standard Size	1m ² 500mm wide (19.6") 2000mm long (78.7")
Soil Thickness	18mm to 20mm (0.71" to 0.78")
Roll Weight	18kg – saturated weight may be up to 25kg
Grass height on despatch	Approx. 100mm (4"). The product is mown before despatch to minimise damage to plants. It will not be in flower when it is delivered.

All measurements are approximate and taken when harvested.

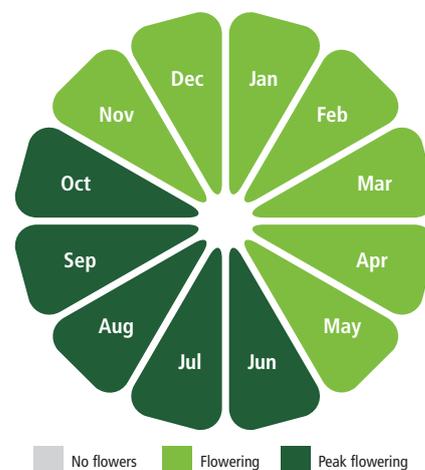
■ **Growth** Turfonline Birds & Bees Meadowmat is a blend of 4 slow growing grasses and 41 native wildflowers specially selected to be pollinator friendly. Many of the species are perennial which means they will flower every year if the conditions are suitable. The specially selected grasses ensure coverage all year round. Turfonline Birds & Bees Meadowmat will contain mature plants, root fibre and enough soil to maintain the plant during establishment.

■ **Typical Seed Mixture*** 10% Slow Growing Grasses
90% Native Wildflowers

■ **Soil Classification** Grown on a sandy loam and compost based substrate

Meadowmat for birds and bees keeps the interest going all year round with Spring and Summer flowers and beautiful seedheads in the colder months of the year.

Flowering Times



Features:

Birds & Bees Meadowmat

■ Features

A mixture of mature plants that allows you to establish dense planting very quickly - more reliable than seeding and less time-consuming than plug planting.

Biodiverse and pollinator-friendly providing a valuable source of nectar and food for many species of insects and birds.

Contains perennial, annual and bi-annual species to ensure a varied display each year.

A mixture of grasses and wildflowers for year-round interest.

Environmentally friendly requiring no fertilisers or pesticides.

Low maintenance – does not require regular mowing.

Prefers a neutral pH but can tolerate acidic or alkaline soils - for best results this product requires installation on a low nutrient soil.

Ideal for:

Biodiverse landscaping schemes

Low maintenance areas

Commercial landscaping

Urban areas and parks

Domestic gardens

What's in our Birds & Bees Meadowmat

- Slender Creeping Red Fescue
- Sheep's Fescue
- Quaking Grass
- Meadow Barley
- Agrimony
- Autumn Hawkbit
- Birdsfoot Trefoil
- Bladder Campion
- Chicory
- Clustered Bellflower
- Columbine
- Common Mallow
- Common Sorrel
- Common Toadflax
- Cornflower
- Daisy
- Fennel
- Field Poppy
- Fox And Cubs
- Foxglove
- Grandmother's Garden
- Greater Knapweed
- Harebell
- Maiden Pink
- Meadow Buttercup
- Meadow Cranes-Bill
- Musk Mallow
- Purple Loosestrife
- Ragged Robin
- Red Campion
- Red Clover
- Sheep's Bit
- Small Scabious
- Tansy
- Teasel
- Viper's Bugloss
- White Campion
- White Clover
- Wild Basil
- Wild Carrot
- Wild Clary
- Wild Marjoram
- Wild Pansy
- Wild Thyme
- Yarrow



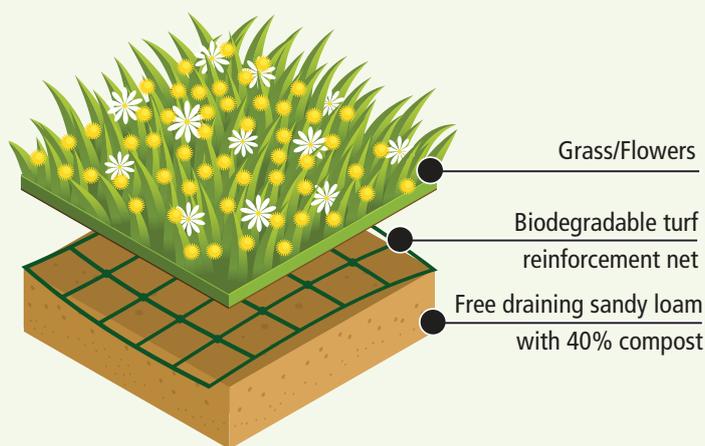
**10% Grasses
90% Flowers**



Slow-Growing Grasses



Native Wildflowers



**As sown. The actual percentage of each species contained may vary due to environmental factors. Turfonline makes every effort to ensure wildflower products are free from weeds and pests, however due to the natural way in which these products are grown we cannot guarantee they are 100% pest free on delivery. It is unlikely that you will see every species that is listed. The variation of species present has been developed to suit a wide variety of soils and environmental conditions. This will result in a product that will adapt to individual settings which may mean some species are more successful than others. Contains annual bi-annual and perennial species. If installed after March many species may not flower during the first year.*

Specifications:

Woodland Shade Meadowmat

■ Available from	www.turfonline.co.uk
■ Standard Size	1m ² 500mm wide (19.6") 2000mm long (78.7")
Soil Thickness	18mm to 20mm (0.71" to 0.78")
Roll Weight	20kg – saturated weight may be up to 25kg
Grass height on despatch	Approx. 100mm (4"). The product is mown before despatch to minimise damage to plants. It will not be in flower when it is delivered.

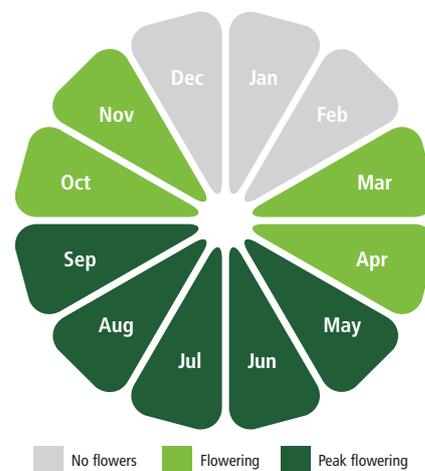
All measurements are approximate and taken when harvested.

■ Growth	Turfonline Woodland Shade Meadowmat is a blend of 3 slow-growing grasses and 35 native wildflowers many of which could be found growing in woodland and hedgerows. All but one of the species are perennial which means they will flower every year if the conditions are suitable. The specially selected grasses ensure coverage all year round. Turfonline Woodland Shade Meadowmat will contain mature plants, root fibre and enough soil to maintain the plants during establishment.
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■ Typical Seed Mixture*	30% Native Grasses 70% Native Wildflowers
■ Soil Classification	Grown on a sandy loam and compost based substrate

Our shade tolerant Meadowmat allows you to bring the subtle hues of woodland wildflowers into the shadier parts of your garden.

Flowering Times



Features:

Woodland Shade Meadowmat

■ Features

A mixture of mature plants that allows you to establish dense planting very quickly - more reliable than seeding and less time-consuming than plug planting.

Biodiverse and pollinator friendly providing a valuable source of nectar and food for many species of insects and birds.

Contains mainly perennial species to ensure a varied display each year.

Environmentally-friendly requiring no fertilisers or pesticides.

A mixture of grasses and wildflowers for year round interest.

Low maintenance – does not require regular mowing.

Prefers a neutral pH but can tolerate acidic or alkaline soils - for best results this product requires installation on a low nutrient soil.

Ideal for:

Biodiverse landscaping schemes

In areas of dappled shade

Around trees or hedgerows

Shade and drought tolerant

Low maintenance areas

Commercial landscaping

Urban areas and parks

Domestic gardens

What's in our Woodland Shade Meadowmat

- Crested Dogstail
- Sheep's Fescue
- Yellow Oatgrass
- Autumn Hawkbit
- Betony
- Birdsfoot Trefoil
- Catsear
- Common Knapweed
- Common Sorrel
- Common Toadflax
- Common Vetch
- Cowslip
- Daisy
- Dame's Violet
- Field Scabious
- Kidney Vetch
- Lady's Bedstraw
- Meadow Buttercup
- Meadow Cranesbill
- Meadow Vetchling
- Meadowsweet
- Musk Mallow
- Pepper Saxifrage
- Primrose
- Ragged Robin
- Red Campion
- Ribwort Plantain
- Rough Hawkbit
- Salad Burnet
- Sanfoin
- Selfheal
- Tufted Vetch
- White Campion
- Wild Carrot
- Wild Marjoram
- Wild Mignonette
- Wood Sage
- Yellow Rattle



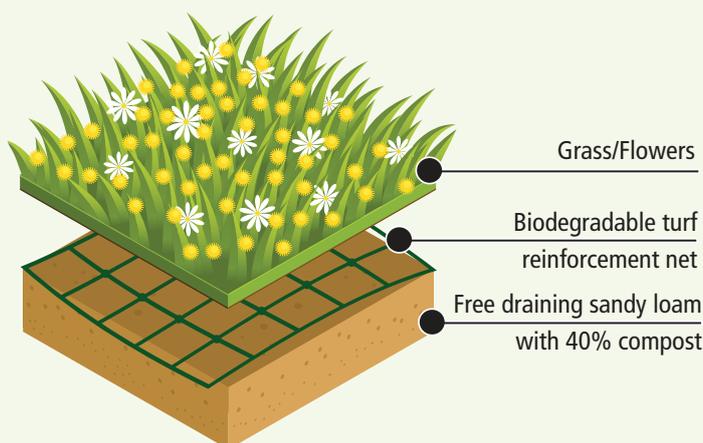
**30% Grasses
70% Flowers**



Native Grasses



Native Wildflowers



**As sown. The actual percentage of each species contained may vary due to environmental factors. Turfonline makes every effort to ensure wildflower products are free from weeds and pests, however due to the natural way in which these products are grown we cannot guarantee they are 100% pest free on delivery. It is unlikely that you will see every species that is listed. The variation of species present has been developed to suit a wide variety of soils and environmental conditions. This will result in a product that will adapt to individual settings which may mean some species are more successful than others. Contains annual bi-annual and perennial species. If installed after March many species may not flower during the first year.*



Specifications: Cottage Garden Meadowmat

Available from	www.turfonline.co.uk
Standard Size	1m ² 500mm wide (19.6") 2000mm long (78.7")
Soil Thickness	18mm to 20mm (0.71" to 0.78")
Roll Weight	18kg – saturated weight may be up to 25kg
Grass height on despatch	Approx. 100mm (4"). The product is mown before despatch to minimise damage to plants. It will not be in flower when it is delivered.

All measurements are approximate and taken when harvested.

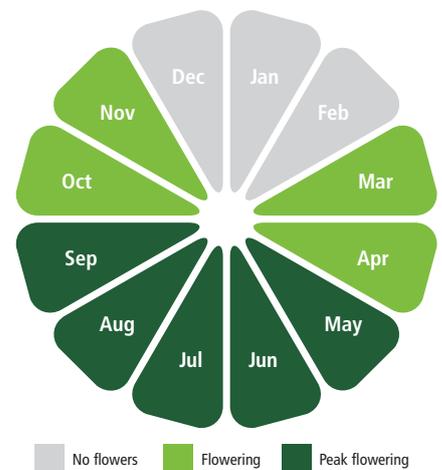
Growth Turfonline Cottage Garden Meadowmat is a blend of 2 slow-growing grasses and 30 native wildflowers many of which could be found in an old fashioned English garden. Most of the species are perennial which means they will flower every year if the conditions are suitable. The specially selected grasses ensure coverage all year round. Turfonline Cottage Garden Meadowmat will contain mature plants, root fibre and enough soil to maintain the plants during establishment.

Typical Seed Mixture* 5% Native Grasses
95% Native Wildflowers

Soil Classification Grown on a sandy loam and compost based substrate

A glorious blend of native and non-native plants and grasses to attract and support pollinating insects whilst bringing a beautiful splash of colour to your garden.

Flowering Times



Features:

Cottage Garden Meadowmat

■ Features

A mixture of mature plants that allows you to establish dense planting very quickly - more reliable than seeding and less time-consuming than plug planting.

Biodiverse and pollinator-friendly providing a valuable source of nectar and food for many species of insects and birds.

Contains perennial, annual and bi-annual species to ensure a varied display each year.

Environmentally friendly requiring no fertilisers or pesticides.

A mixture of grasses and wildflowers for year-round interest.

Low maintenance – does not require regular mowing.

Prefers a neutral pH but can tolerate acidic or alkaline soils - for best results this product requires installation on a low nutrient soil.

Ideal for:

Biodiverse landscaping schemes

Low maintenance areas

Commercial landscaping

Urban areas and parks

Domestic gardens

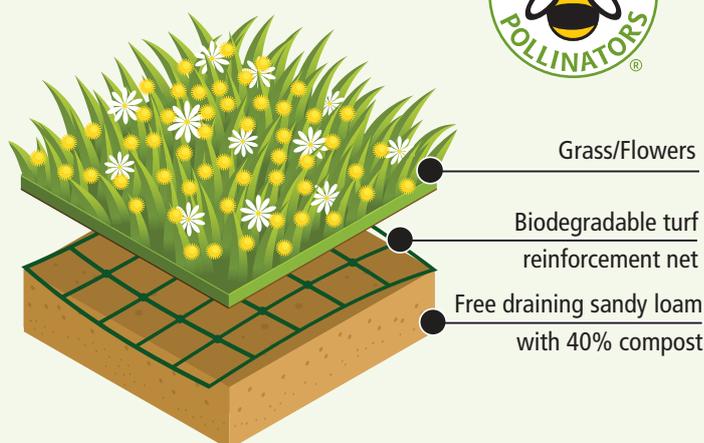
What's in our Cottage Garden Meadowmat

- Tufted Hair Grass
- Brown Top Bent
- Achillea Millefolium
- Birdsfoot Trefoil
- Bladder Campion
- Columbine
- Common Knapweed
- Common Mallow
- Corn Chamomile
- Cornflower
- Cosmos Albatross
- Cosmos Gloria
- Erigeron 'profusion'
- Field Scabious
- Linaria - Northern Lights
- Meadow Saxifrage
- Melton Pastels
- Nettle Leaved Bellflower
- Ragged Robin
- Red Campion
- Ribwort Plantain
- Rose Campion
- Sweet Violet
- Thrift
- Turfted Vetch
- Viper's Bugloss
- White Breeze
- White Campion
- Wild Thyme
- Vervain
- Yarrow
- Yellow Horned Poppy

 **5% Grasses
95% Flowers**

 **Native Grasses**

 **Native Wildflowers**



**As sown. The actual percentage of each species contained may vary due to environmental factors. Turfonline makes every effort to ensure wildflower products are free from weeds and pests, however due to the natural way in which these products are grown we cannot guarantee they are 100% pest free on delivery. It is unlikely that you will see every species that is listed. The variation of species present has been developed to suit a wide variety of soils and environmental conditions. This will result in a product that will adapt to individual settings which may mean some species are more successful than others. Contains annual bi-annual and perennial species. If installed after March many species may not flower during the first year.*

Specifications: Heritage Meadowmat

■ Available from	www.turfonline.co.uk
■ Standard Size	1m ² 500mm wide (19.6") 2000mm long (78.7")
Soil Thickness	18mm to 20mm (0.71" to 0.78")
Roll Weight	18kg – saturated weight may be up to 25kg
Grass height on despatch	Approx. 100mm (4"). The product is mown before despatch to minimise damage to plants. It will not be in flower when it is delivered.

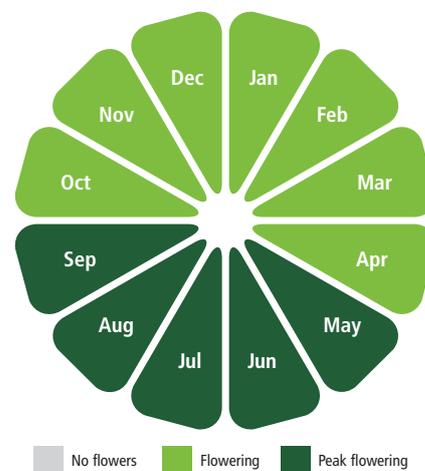
All measurements are approximate and taken when harvested.

■ Growth	Turfonline Heritage Meadowmat is a blend of 1 slow growing grass and 21 native wildflowers that have been selected for their ability to grow in shallow, poor nutrient soils. Most of the species are perennial which means they will flower every year if the conditions are suitable. The specially selected grass ensures an all year-round coverage. Turfonline Heritage Meadowmat was originally designed as a quick-to-install green roofing material but is just as happy when installed on the ground. Turfonline Heritage Meadowmat will contain mature plants, root fibre and enough soil to maintain the plants during establishment.
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■ Typical Seed Mixture*	10% Native Grasses 90% Native Wildflowers
■ Soil Classification	Grown on a sandy loam and compost based substrate

Heritage Meadowmat was originally developed as a quick-to-install green roofing material with instant plant coverage. However, it is just as happy on the ground!

Flowering Times



Features:

Heritage Meadowmat

■ Features

A mixture of mature plants that allows you to establish dense planting very quickly - more reliable than seeding and less time consuming than plug planting.

Biodiverse and pollinator-friendly providing a valuable source of nectar and food for many species of insects and birds.

Contains mainly perennial species to ensure a varied display each year.

Environmentally-friendly requiring no fertilisers or pesticides.

A mixture of grass and wildflowers for year-round interest.

Low maintenance – does not require regular mowing.

Prefers a neutral pH but can tolerate acidic or alkaline soils - for best results this product requires installation on a low nutrient soil or specialist roofing substrate.

Ideal for:

Biodiverse landscaping schemes

Biodiverse living roofs

Low maintenance areas

Commercial landscaping

Urban areas and parks

Domestic gardens

What's in our Heritage Meadowmat

● Slender Creeping Red Fescue

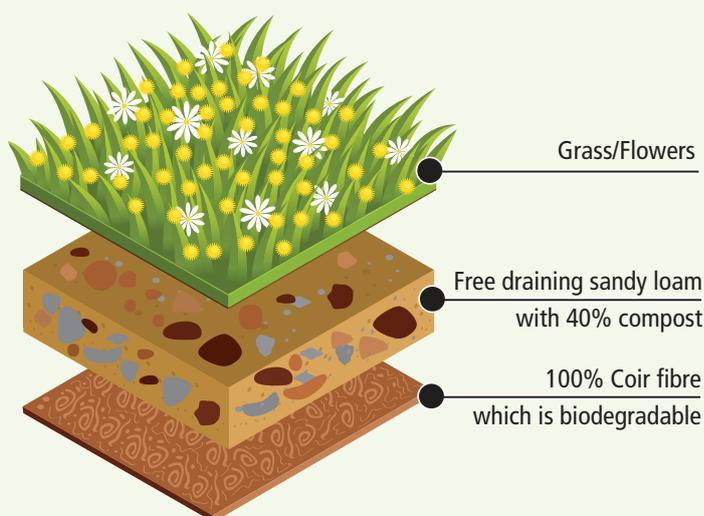
- Birdsfoot Trefoil
- Bladder Campion
- Clustered Bellflower
- Common Poppy
- Cornflower
- Daisy
- Fox And Cubs
- Lady's Bedstraw
- Maiden Pink
- Meadow Saxifrage
- Ragged Robin
- Sea Campion
- Selfheal
- Sheep's Bit
- Soapwort
- Thrift
- Viper's Bugloss
- Water Avens
- Wild Thyme
- Yarrow
- Yellow Rattle



 **10% Grasses
90% Flowers**

 **Native Grasses**

 **Native Wildflowers**



**As sown. The actual percentage of each species contained may vary due to environmental factors. Turfonline makes every effort to ensure wildflower products are free from weeds and pests, however due to the natural way in which these products are grown we cannot guarantee they are 100% pest free on delivery. It is unlikely that you will see every species that is listed. The variation of species present has been developed to suit a wide variety of soils and environmental conditions. This will result in a product that will adapt to individual settings which may mean some species are more successful than others. Contains annual bi-annual and perennial species. If installed after March many species may not flower during the first year.*

Specifications:

Birds & Bees FLL Meadowmat

■ Available from	www.turfonline.co.uk
■ Standard Size	1m ² 500mm wide (19.6") 2000mm long (78.7")
Soil Thickness	18mm to 20mm (0.71" to 0.78")
Roll Weight	20kg – saturated weight may be up to 25kg
Grass height on despatch	Approx. 100mm (4"). The product is mown before despatch to minimise damage to plants. It will not be in flower when it is delivered.

All measurements are approximate and taken when harvested.

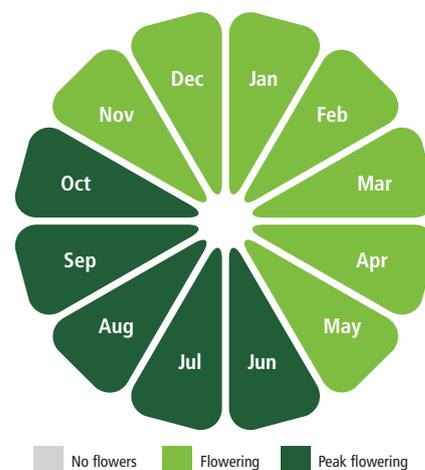
■ Growth	Turfonline Birds & Bees FLL Meadowmat is a blend of 41 native wildflowers specially selected to be pollinator-friendly. Many of the species are perennial which means they will flower every year if the conditions are suitable. Grown on a biodegradable coir blanket which means no grass species are required resulting in a more colourful Meadowmat that is also suitable for green roof installations. Turfonline Birds & Bees FLL Meadowmat will contain mature plants, root fibre and enough substrate to maintain the plant during establishment.
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■ Typical Seed Mixture*	100% Native Wildflowers
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■ Soil Classification	Grown on bespoke FLL (Forschungsgesellschaft Landschaftsentwicklung Landschaftbau) compliant substrate.
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With no grasses, this 100% wildflower mix is ideal for use on green roofs or areas where a florally focussed display of colour is required.

Flowering Times



Features:

Birds & Bees FLL Meadowmat

■ Features

A mixture of mature plants that allows you to establish dense planting very quickly - more reliable than seeding and less time-consuming than plug planting.

Biodiverse and pollinator-friendly providing a valuable source of nectar and food for many species of insects and birds.

Contains perennial, annual and bi-annual species to ensure a varied display each year.

Grown on a low nutrient green roof substrate to ensure the best mix of species and controlled growth.

Environmentally friendly requiring no pesticides and only minimal feeding when installed on a roof.

Low maintenance – does not require regular mowing.

Prefers a neutral pH but can tolerate acidic or alkaline soils - for best results this product requires installation on a low nutrient soil or substrate mix.

Ideal for:

Biodiverse landscaping schemes

Low maintenance areas

Commercial landscaping

Urban areas and parks

Domestic gardens

Areas requiring maximum colour and interest

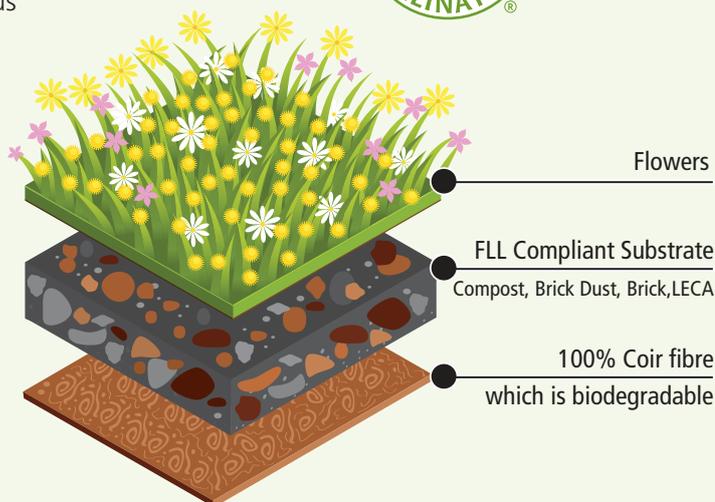
Green Roofs

What's in our Birds & Bees FLL Meadowmat

- Agrimony
- Autumn Hawkbit
- Birdsfoot Trefoil
- Bladder Campion
- Chicory
- Clustered Bellflower
- Columbine
- Common Daisy
- Common Mallow
- Common Sorrel
- Common Toadflax
- Cornflower
- Fennel
- Field Poppy
- Fox And Cubs
- Foxglove
- Grandmother's Garden
- Greater Knapweed
- Harebell
- Maiden Pink
- Meadow Buttercup
- Meadow Cranes-Bill
- Musk Mallow
- Purple Loosestrife
- Ragged Robin
- Red Campion
- Red Clover
- Sheep's Bit Scabious
- Small Scabious
- Tansy
- Teasel
- Viper's Bugloss
- White Campion
- White Clover
- Wild Basil
- Wild Carrot
- Wild Clary
- Wild Marjoram
- Wild Pansy
- Wild Thyme
- Yarrow



100% Native Flowers



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Specifications: SuDS Meadowmat

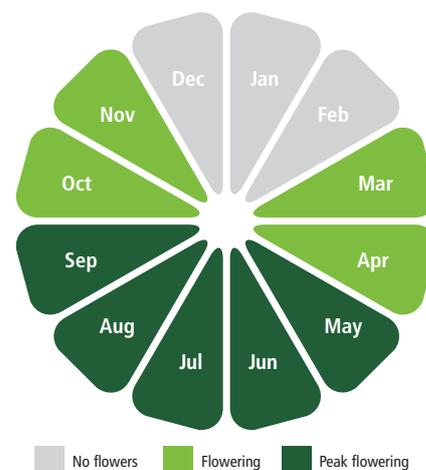
■ Available from	www.turfonline.co.uk
■ Standard Size	1m ² 500mm wide (19.6") 2000mm long (78.7")
Soil Thickness	15mm to 20mm (0.59" to 0.78")
Roll Weight	20kg – saturated weight may be up to 25kg
Grass height on despatch	Approx. 100mm (4"). The product is mown before despatch to minimise damage to plants. It will not be in flower when it is delivered.

All measurements are approximate and taken when harvested.

■ Growth	Harrowden SuDS Meadowmat is a blend of 4 native grasses and 30 native wildflowers that have been selected for their ability to root into and stabilise poor nutrient soils. These plants are integrated into a reinforced biodegradable coir blanket. Contains perennial species which means they will flower every year if the conditions are suitable. The specially selected grasses ensures all year round coverage along with strong rooting to aid soil stability. SuDS Meadowmat was originally developed for Sustainable Urban Drainage Systems but is also ideal for any sloped areas, providing stability, low maintenance and colour to otherwise challenging hard to reach areas. SuDS Meadowmat will contain mature plants, root fibre and enough soil to maintain the plants during establishment.
■ Typical Seed Mixture*	50% Native Grasses 50% Native Wildflowers
■ Soil Classification	Grown on a sandy loam and compost based substrate.

A low maintenance solution for all those hard to reach places. Ideal for slopes, banks, damp soils and the margins of ponds, streams or 'Sustainable Urban Drainage Systems'.

Flowering Times



Features:

SuDS Meadowmat

■ Features

A mixture of mature plants that allows you to establish dense planting very quickly - more reliable than seeding and less time consuming than plug planting.

Biodiverse and pollinator-friendly providing a valuable source of nectar and food for many species of insects and birds.

Contains mainly perennial species to ensure a varied display each year.

Coir blanket offers one of the highest protection grades for a natural non synthetic solution with a lifespan of up to 25 years.

Environmentally-friendly requiring no fertilisers or pesticides.

Low maintenance – does not require regular mowing.

Able to survive both drought and periodic flooding.

Prefers a neutral pH but can tolerate acidic or alkaline soils - for best results this product requires installation on a low nutrient soil or specialist roofing substrate.

Ideal for:

Biodiverse landscaping schemes

Banks and sloped areas up to 65 degrees

SuDS and Bioswale Systems

Around ponds and basins

Soakaway trenches

Low maintenance areas

Commercial landscaping

Urban areas and parks

Domestic gardens

What's in our SuDS Meadowmat

- Sheep's Fescue
- Slender Creeping Red Fescue
- Crested Dogstail
- Small Leaved Timothy
- Autumn Hawkbit
- Betony
- Birdsfoot Trefoil
- Bladder Campion
- Catsear
- Common Knapweed
- Common Sorrel
- Common St John's Wort
- Common Toadflax
- Common Vetch
- Cowslip
- Field Scabious
- Hay Rattle
- Lady's Bedstraw
- Meadow Buttercup
- Meadow Cranesbill
- Meadowsweet
- Musk Mallow
- Oxeye Daisy
- Red Campion
- Red Clover
- Ribwort Plantain
- Salad Burnet
- Selfheal
- Tufted Vetch
- Vipers Bugloss
- White Campion
- Wild Carrot
- Wild Marjoram
- Yarrow



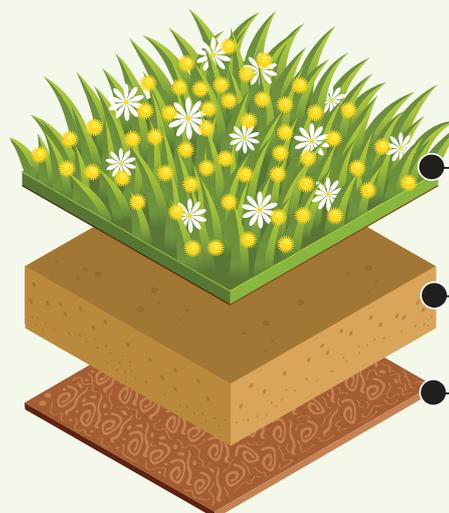
**50% Grasses
50% Flowers**



Native Grasses



Native Wildflowers



Grass/Flowers

Free draining sandy loam
with 40% compost

100% Coir fibre
which is biodegradable

**As sown. The actual percentage of each species contained may vary due to environmental factors. Turfonline makes every effort to ensure wildflower products are free from weeds and pests, however due to the natural way in which these products are grown we cannot guarantee they are 100% pest free on delivery. It is unlikely that you will see every species that is listed. The variation of species present has been developed to suit a wide variety of soils and environmental conditions. This will result in a product that will adapt to individual settings which may mean some species are more successful than others. Contains annual bi-annual and perennial species. If installed after March many species may not flower during the first year.*



Introducing our Enviromat range



A low maintenance planting solution for green roofs & groundcover

Sedum matting was developed back in the 1960s for use on commercial roofs. It has gathered a distinct amount of steam and is now more popular than it ever has been. This is undoubtedly due to the rising awareness of living ecologically in support of global sustainability. Greenroofs created with Enviromat reap the ultimate benefits of renewability, cost and energy efficiency.

Given the right growing conditions, sedums are incredibly self-sufficient. They are frost hardy, drought-tolerant and ask for a feed just once or twice a year. There's no mowing to be done, no deadheading and, as long as you follow our recommendations for their installation and care, they won't need much weeding either. This is what makes Enviromat such a versatile product that is happy both on the ground in little or no soil and also on buildings and sheds.

Enviromat sedum matting is a layer of growing medium embedded onto a mat for easy handling. The species have been specially selected for their ability to thrive in the sometimes hostile environment on top of a roof. They are drought tolerant, frost hardy and remarkably independent. Sedum flowers appear in summer and are nectar-rich. That means they are particularly attractive to butterflies, but all pollinating insects will benefit from sedum. In winter, the sedum species we have chosen keep their leaves which turn a lovely shade of cherry red.

Our original Enviromat Sedum Mat is grown on a geotextile mat that is perfect for light weight retrofit solutions on flat roofs and timber garden buildings. Over the years, as sedum roofs have become more popular many new buildings have been designed with a green roof in mind. This has led us to developing a new sedum mat specifically designed for extensive green roofs. This substrate based system offers a cost effective solution for modern roofs without sacrificing the quality of our original product.

Buying sedum mats is far cheaper than buying the equivalent number of sedum plug plants – and, because our mats are at least 95% plant coverage, there's no waiting for the plants to grow big enough to fill in the gaps.

With good drainage and plenty of sunshine, whether its on a roof or on the ground, sedum matting is remarkably easy to care for and will give you year round interest as well as providing a valuable food source for pollinators.





Benefits:



Great for Wildlife – The sedum plants contained in our mats are particularly rich in pollen and nectar and are a great food source for bees, butterflies, moths and hoverflies. This in turn attracts birds who also eat the seed heads and use spent flower stalks for nesting material.



Rainwater Management – In towns and cities, up to 75% of rain water becomes runoff. An Enviromat living roof will absorb much of the rain that falls on it, lowering the risk of flooding.



Solar Energy – If you have PV panels on your roof a layer of plants will lower the surface temperature in the summer making them far more efficient.



Insulation – Sedum insulates against heat and cold providing savings on heating and air conditioning bills.



Sound Proofing – A sedum green roof can potentially halve the amount of noise pollution entering a building. For people who appreciate peace and quiet an Enviromat green roof is ideal for a garden office or studio.



Good Looks – Enviromat can help blend a building with its surroundings or transform it into an outstanding feature. Easy to install and maintain, sedum will flower for a good six months of the year and maintain its amazing foliage all year round.

Ease of use – We sow the seeds and nurture the plants for 9-12 months. Once delivered, all you need to do is unroll your Enviromat Sedum Mat onto a prepared surface, give it a good watering to settle it in, then allow nature to take its course.

Where to use:

Green Roofing – Architects, Developers, Garden Designers and Householders have told us they need a green roofing system that is easy to install, instantly beautiful, offers year-round benefits and is simple to maintain. Our sedum mats are all that and more.

Offering both solutions for extensive green roofs and lightweight retro-fit, you can be sure of the same great quality whatever your installation requirements.

Whether you are a commercial roofer creating a green roof for a client; or a gardening enthusiast wishing to bring more wildlife into your garden, you will find that Enviromat is reliable, easy and gives very satisfying results.

Garden – Enviromat sedum matting was first developed for the green roofing industry but it's proved itself to be great in the garden too. Used in a sunny place, our sedum mats are drought tolerant, frost hardy and will entice a host of pollinating insects to your garden.

The plants we have selected to be included in our mats are long lived perennials, so provided they're happy in your garden they will put on an impressive display for years to come.

We estimate that there are around 100 individual sedum and saxifrage plants in every square metre of sedum matting. All you need to do to get them established in your garden is to unroll them onto prepared ground and water until established.

Although not hardwearing in ornamental areas, sedum mats can be used as a bee-friendly alternative to a grass lawn. It is also ideal for pond surrounds to hide unsightly pond liner and on slopes and banks, places where maintenance is difficult. Interest can be added to beds, borders and on top of walls or gabions. It is also a great way to soften the lines of a path or patio.

General Amenity – Enviromat sedum can be used as low cost maintenance for road verges, central reservations and roundabouts.

Specifications: Enviromat Sedum Mat

■ Available from	www.turfonline.co.uk
■ Standard Size	2m ² 1000m wide (39.4") 2000mm long (78.7")
Thickness	34mm to 44mm (1.34" to 1.73")
Sedum Roll Weight	20kg – saturated weight may be up to 44kg
Roof Loading	120kg/m ² - accounts for weight of product plus extra for snow loading or a person walking on the roof for installation/maintenance.
Vegetation height on despatch	Approx. 50mm (1.96") The product may be mown before despatch to minimise damage to plants and as a result it may not be in flower when it is delivered.

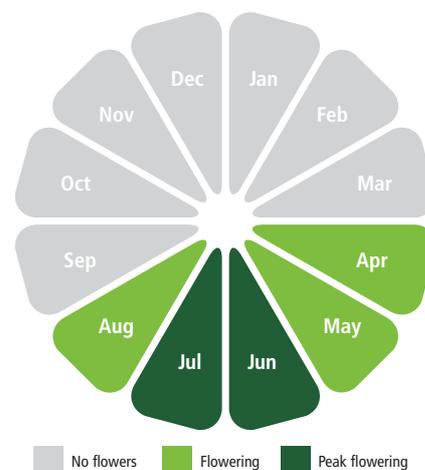
All measurements are approximate and taken when harvested.

■ Growth	Enviromat is a mix of at least 11 drought loving succulents integrated into an easy to handle flexible geotextile mat. The lightweight carrier mat is made up of a non-woven fleece sown to a drainage composite layer of looped polyamide filaments, thermally bonded to a specially designed perforated, non-woven filter fabric. The integrated moisture retention fleece can store up to 5 litres of water per square metre. The sedum species selected have been chosen to provide varied colour and texture throughout the seasons. Enviromat has been designed as a lightweight retrofit solution for roofs but can also be used as a ground cover. Enviromat will contain mature plants with at least 90% coverage.
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■ Typical Seed Mixture*	100% sedum
■ Soil Classification	Grown on bespoke FLL (Forschungsgesellschaft Landschaftsentwicklung Landschaftsbau) compliant substrate

Enjoy the wonderful textural qualities of Enviromat foliage all year round and have the added bonus of long lasting summer flowers.

Flowering Times



Features:

Enviromat Sedum Mat

■ Features

RHS Plants for Pollinators – contains plant species that support pollinating insects.

A mixture of mature plants that allows you to establish dense planting very quickly - more reliable than seeding and less time consuming than plug planting.

Biodiverse and pollinator-friendly providing a valuable source of nectar and food for many species of insects and birds.

Contains perennial species that are frost hardy down to -20°C.

Environmentally friendly requiring no pesticides.

Drought tolerant – only requiring occasional watering during long spells of dry weather.

Very low maintenance – does not require regular mowing.

Prefers a neutral to slightly alkaline pH but can tolerate acidic soils - for installation on a roof this product requires no additional growing medium.

Ideal for:

Retrofitting to existing flat and pitched roofs.

Ground cover.

Commercial landscaping.

Urban areas and parks.

Domestic gardens.

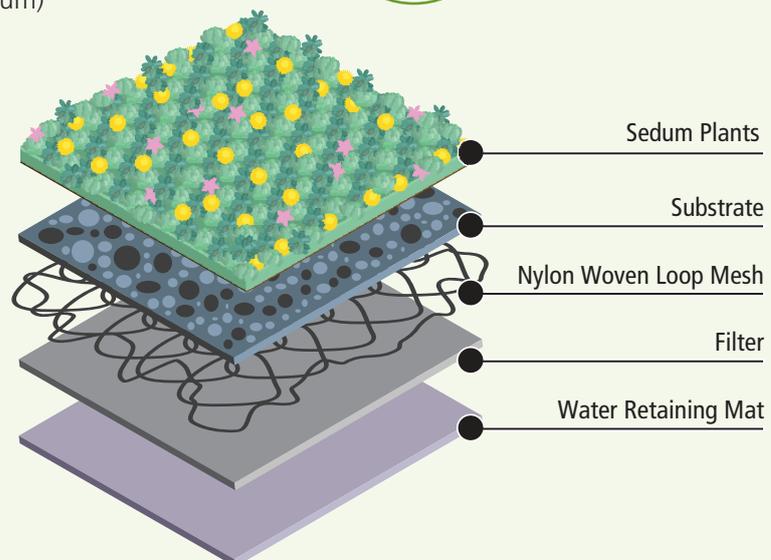
Sunny areas where other plants may struggle to survive.

What's in our Enviromat Sedum Mat

- White Stonecrop (Sedum album)
- Gold Sedum (Sedum kamtschaticum)
- Widow's Cross (Sedum pulchellum)
- Crooked Yellow Stonecrop (Sedum reflexum)
- Two-row Stonecrop (Sedum spurium)
- Tasteless Stonecrop (Sedum sexangulare)
- Biting Stonecrop (Sedum acre)
- Meadow Saxifrage (Saxifraga granulata)



100% Sedum



As sown. The actual percentage of each species contained may vary due to environmental factors. Turfonline makes every effort to ensure its products are free from weeds and pests, however due to the natural way in which these products are grown we cannot guarantee they are 100% pest free on delivery. May contain some grasses and mosses. Enviromat may not contain all species that are listed. The variation of species present has been developed to suit a wide variety of installations and environmental conditions. This will result in a product that will adapt to individual settings which may mean some species are more successful than others..

Specifications: Sedum Mat HS150

■ Available from	www.turfonline.co.uk
■ Standard Size	1m ² 500m wide (19.6") 2000mm long (78.7")
Substrate Thickness	15mm (0.39" to 0.59")
Roll Weight	20kg – saturated weight may be up to 25kg
Vegetation height on despatch	Approx. 50mm (1.96") The product may be mown before despatch to minimise damage to plants and as a result it may not be in flower when it is delivered.

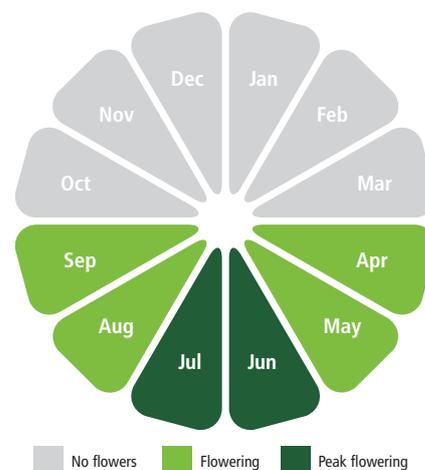
All measurements are approximate and taken when harvested.

■ Growth	Harrowden Sedum HS150 is a mix of up to 18 drought-loving plants. These plants are integrated into a reinforced biodegradable coir blanket. The sedum species selected have been chosen to provide varied colour and texture throughout the seasons. Harrowden Sedum HS150 was originally developed for green roof installation but is also ideal for ground cover especially on sloped areas, providing stability, low maintenance and colour to otherwise challenging hard to reach areas. Harrowden Sedum HS150 will contain mature plants with at least 95% coverage and enough substrate to maintain the plants during establishment.
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■ Typical Seed Mixture*	100% sedum
■ Soil Classification	Grown on bespoke FLL (Forschungsgesellschaft Landschaftsentwicklung Landschaftsbau) compliant substrate.

Imagine a low-growing carpet of plants that will flower all summer long and needs virtually no maintenance. HS150 creates a beautiful area of foliage almost anywhere, bringing that space to life.

Flowering Times



Features:

Sedum Mat HS150

■ Features

RHS Plants for Pollinators - contains plant species that support pollinating insects.

A mixture of mature plants that allows you to establish dense planting very quickly - more reliable than seeding and less time-consuming than plug planting.

Biodiverse and pollinator-friendly providing a valuable source of nectar and food for many species of insects and birds.

Contains perennial species that are frost hardy down to -20°C.

Environmentally friendly requiring no pesticides.

Drought tolerant – only requiring occasional watering during long spells of dry weather.

Very low maintenance.

Prefers a neutral to slightly alkaline pH but can tolerate acidic soils - for installation on a roof this product requires a specialist roofing substrate.

Please Note: Must not be installed directly into water or water logged areas. Sedum plants cannot survive in waterlogged conditions.

Ideal for:

A ground cover

Biodiverse landscaping schemes

Banks and sloped areas up to 65 degrees

Green roof systems

Around ponds

Low maintenance areas

Commercial landscaping

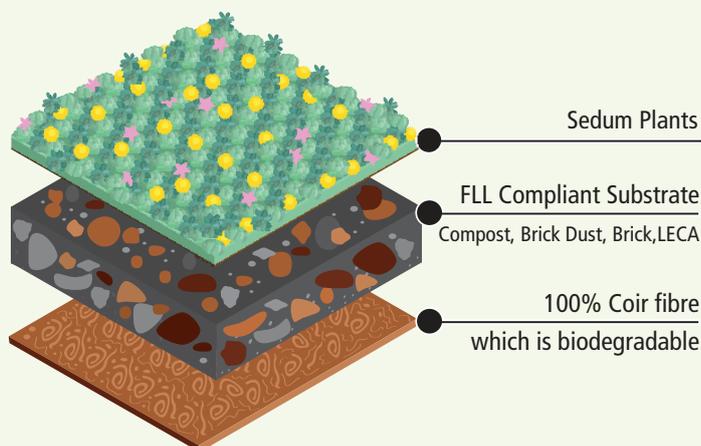
Urban areas and parks

Domestic gardens

Sunny areas

What's in our Enviromat Sedum Mat

- Widow's Cross (Sedum pulchellum)
- Summer Glory (Sedum spurium)
- Montanum Orientale (Sedum montanum)
- White Stonecrop (Sedum album)
- Czar's Gold (Sedum hybridum)
- Ellacombianum (Sedum ellacombianum)
- Crooked Yellow Stonecrop (Sedum reflexum)
- Tasteless Stonecrop (Sedum sexangulare)
- Goldmoss Stonecrop (Sedum acre)
- Purple Carpet (Sedum spurium coccineum)
- Spanish Stonecrop (Sedum Hispanicum)
- Oregon Stonecrop (Sedum Oreganum)
- Orange Stonecrop (Sedum floriferum)
- Gold Sedum (Sedum kamtchaticum)
- Angelina (Sedum rupestre)
- Wormleaf Stonecrop (Sedum stenopetalum)
- Stolon Stonecrop (Sedum stoloniferum)
- Meadow Saxifrage (Saxifraga granulata)



100% Sedum

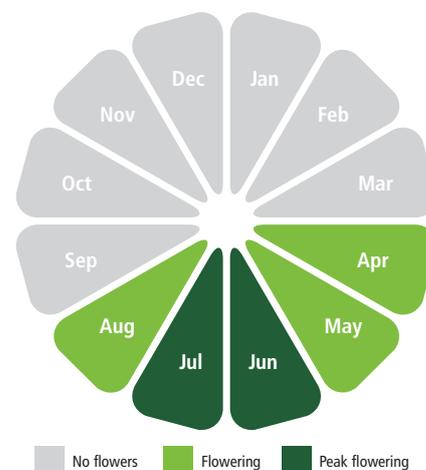
As sown. The actual percentage of each species contained may vary due to environmental factors. Turfonline makes every effort to ensure its products are free from weeds and pests, however due to the natural way in which these products are grown we cannot guarantee they are 100% pest free on delivery. It may not contain all species that are listed. The variation of species present has been developed to suit a wide variety of installations and environmental conditions. This will result in a product that will adapt to individual settings which may mean some species are more successful than others.

Specifications: Enviromat Pitched Roof

- **Available from** www.turfonline.co.uk
 - **Kit Components** Enviromat Sedum Mat
Polythene Root Barrier
Also available separately
 - **Standard Size** 2m²
1000m wide (39.4")
2000mm long (78.7")
 - Overall Thickness of Kit** 34mm to 44mm (1.34" to 1.73")
 - Sedum Roll Weight** 25kg – saturated weight may be up to 44kg
 - Roof Loading Requirement** 120kg/m² - accounts for weight of product plus extra for snow loading or a person walking on the roof for installation/maintenance
 - Vegetation height on despatch** Approx. 50mm (1.96") The product may be mown before despatch to minimise damage to plants and as a result it may not be in flower when it is delivered.
- All measurements are approximate and taken when harvested.*
- **Growth** Enviromat is a mix of 17 drought-loving succulents integrated into an easy to handle flexible geotextile mat. The lightweight carrier mat is made up of a non-woven fleece sown to a drainage composite layer of looped polyamide filaments, thermally bonded to a specially designed perforated, non-woven filter fabric. The integrated moisture retention fleece can store up to 5 litres of water per square metre. The sedum species selected have been chosen to provide varied colour and texture throughout the seasons. Enviromat has been designed as a lightweight retrofit solution, ideal for pitched and flat roofs. Enviromat will contain mature plants with at least 95% coverage.
 - **Typical Seed Mixture*** 100% sedum
 - **Soil Classification** Grown on bespoke FLL (Forschungsgesellschaft Landschaftsentwicklung Landschaftsbau) compliant substrate

Easy to install and maintain with all the benefits of green roofing without waiting for seeds or plug plants to develop.

Flowering Times



Features:

Enviromat Pitched Roof

■ Features

RHS Plants for Pollinators - contains plant species that support pollinating insects
A mixture of mature plants that allows you to establish dense planting very quickly - more reliable than seeding and less time consuming than plug planting

Biodiverse and pollinator-friendly providing a valuable source of nectar and food for many species of insects and birds

Contains perennial species that are frost hardy down to -20°C

Environmentally friendly requiring no pesticides

Drought tolerant – only requiring occasional watering during long spells of dry weather.

Very low maintenance.

Prefers a neutral to slightly alkaline pH but can tolerate acidic soils - for installation on a roof this product requires no additional growing medium.

Please Note: This product must not be installed onto a level surface as sedum plants will not survive in waterlogged conditions.

Ideal for:

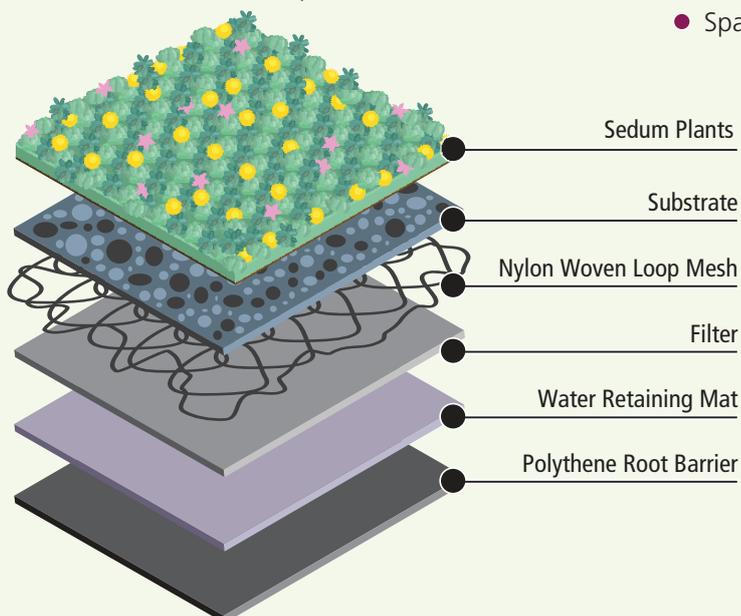
Sloped roofs with a pitch of between 3° and 20°. Pitches of more than 10° will require irrigation or regular watering.

Requires a smooth non-corrugated surface.

Ground installation on sloped solid surfaces.

What's in our Enviromat Pitched Roof Kit

- White Stonecrop (Sedum album)
- Ellacombianum (Sedum ellacombianum)
- Orange Stonecrop (Sedum floriferum)
- Czar's Gold (Sedum hybridum)
- Montanum Orientale (Sedum montanum)
- Gold Sedum (Sedum kamtchaticum)
- Oregon Stonecrop (Sedum oreganum)
- Widow's Cross (Sedum pulchellum)
- Crooked Yellow Stonecrop (Sedum reflexum)
- Angelina (Sedum rupestre)
- Tasteless Stonecrop (Sedum sexangulare)
- Purple Carpet (Sedum spurium coccineum)
- Summer Glory (Sedum spurium)
- Wormleaf Stonecrop (Sedum stenopetalum)
- Stolon Stonecrop (Sedum stoloniferum)
- Meadow Saxifrage (Saxifraga granulata)
- Spanish Stonecrop (Sedum hispanicum)



100% Sedum

As sown. The actual percentage of each species contained may vary due to environmental factors. Turfonline makes every effort to ensure its products are free from weeds and pests, however due to the natural way in which these products are grown we cannot guarantee they are 100% pest free on delivery. May contain some grasses and mosses. Enviromat may not contain all species that are listed. The variation of species present has been developed to suit a wide variety of installations and environmental conditions. This will result in a product that will adapt to individual settings which may mean some species are more successful than others.



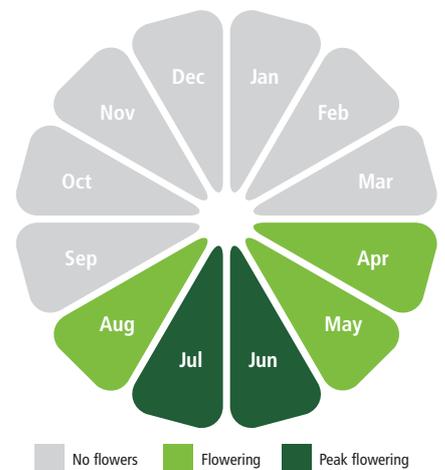
Specifications: Enviromat Flat Roof

- **Available from** www.turfonline.co.uk
 - **Kit Components**
 - Enviromat Sedum Mat
 - Enviromat Drainage Mat
 - Polythene Root Barrier
 - Also available separately*
 - **Standard Size**
 - 2m²
 - 1000m wide (39.4")
 - 2000mm long (78.7")
 - Overall Thickness of Kit** 50mm (1.97")
 - Sedum Roll Weight** 25kg – saturated weight may be up to 44kg
 - Roof Loading Requirement** 120kg/m² - accounts for weight of product plus extra for snow loading or a person walking on the roof for installation/maintenance
 - Vegetation height on despatch** Approx. 50mm (1.96") The product may be mown before despatch to minimise damage to plants and as a result it may not be in flower when it is delivered.
- All measurements are approximate and taken when harvested.*
- **Growth**

Enviromat is a mix of 17 drought-loving succulents integrated into an easy to handle flexible geotextile mat. The lightweight carrier mat is made up of a non-woven fleece sown to a drainage composite layer of looped polyamide filaments, thermally bonded to a specially designed perforated, non-woven filter fabric. The integrated moisture retention fleece can store up to 5 litres of water per square metre. The sedum species selected have been chosen to provide varied colour and texture throughout the seasons. Enviromat has been designed as a lightweight retrofit solution for flat roofs. This kit also contains a geotextile drainage mat to ensure adequate draining avoiding the sedum plants being exposed to waterlogging. Enviromat will contain mature plants with at least 95% coverage.
 - **Typical Seed Mixture*** 100% sedum
 - **Soil Classification** Grown on bespoke FLL (Forschungsgesellschaft Landschaftsentwicklung Landschaftbau)

Easy to install and maintain with all the benefits of green roofing without waiting for seeds or plug plants to develop.

Flowering Times



Features:

Enviromat Flat Roof

■ Features

RHS Plants for Pollinators – contains plant species that support pollinating insects.

A mixture of mature plants that allows you to establish dense planting very quickly - more reliable than seeding and less time consuming than plug planting.

Biodiverse and pollinator-friendly providing a valuable source of nectar and food for many species of insects and birds.

Contains perennial species that are frost hardy down to -20°C.

Environmentally friendly requiring no pesticides.

Drought tolerant – only requiring occasional watering during long spells of dry weather.

Very low maintenance.

Prefers a neutral to slightly alkaline pH but can tolerate acidic soils - for installation on a roof this product requires no additional growing medium.

Ideal for:

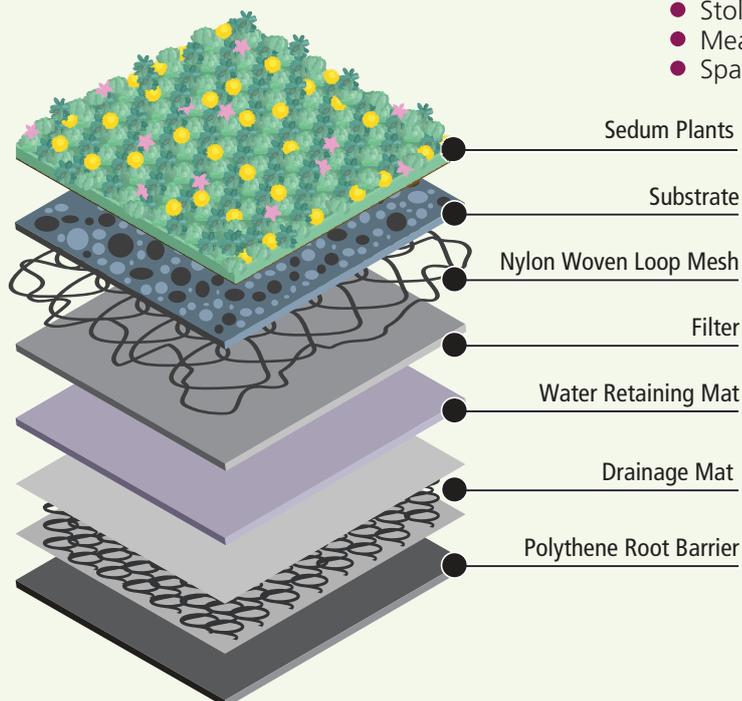
Flat roofs with a pitch of less than 3°.

Requires a smooth non-corrugated surface.

Ground installation on flat level solid surfaces.

What's in our Enviromat Flat Roof Kit

- White Stonecrop (Sedum album)
- Ellacombianum (Sedum ellacombianum)
- Orange Stonecrop (Sedum floriferum)
- Czar's Gold (Sedum hybridum)
- Montanum Orientale (Sedum montanum)
- Gold Sedum (Sedum kamtchaticum)
- Oregon Stonecrop (Sedum oreganum)
- Widow's Cross (Sedum pulchellum)
- Crooked Yellow Stonecrop (Sedum reflexum)
- Angelina (Sedum rupestre)
- Tasteless Stonecrop (Sedum sexangulare)
- Purple Carpet (Sedum spurium coccineum)
- Summer Glory (Sedum spurium)
- Wormleaf Stonecrop (Sedum stenopetalum)
- Stolon Stonecrop (Sedum stoloniferum)
- Meadow Saxifrage (Saxifraga granulata)
- Spanish Stonecrop (Sedum hispanicum)



100% Sedum

As sown. The actual percentage of each species contained may vary due to environmental factors. Turfonline makes every effort to ensure its products are free from weeds and pests, however due to the natural way in which these products are grown we cannot guarantee they are 100% pest free on delivery. May contain some grasses and mosses. Enviromat may not contain all species that are listed. The variation of species present has been developed to suit a wide variety of installations and environmental conditions. This will result in a product that will adapt to individual settings which may mean some species are more successful than others.

Specifications: Sedum Ground Mat Kit

- **Available from** www.turfonline.co.uk
- **Kit Components** Sedum Mat HS150
Plantex® Weed Control Fabric
Also available separately
- **Standard Size** 1m²
500m wide (19.6")
2000mm long (78.7")
15mm (0.39" to 0.59")
- Substrate Thickness**
- Roll Weight** 20kg – saturated weight may be up to 25kg
- Vegetation height on despatch** Approx. 50mm (1.96") The product may be mown before despatch to minimise damage to plants and as a result it may not be in flower when it is delivered.

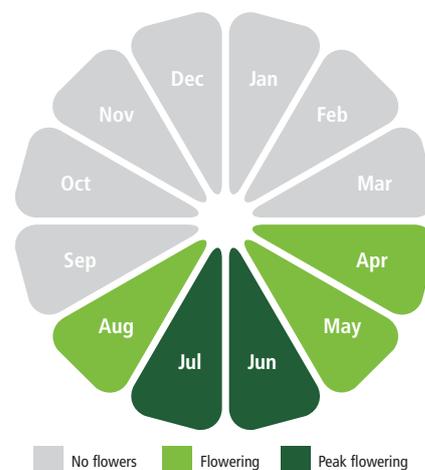
All measurements are approximate and taken when harvested.

- **Growth** Harrowden Sedum Ground Mat Kit is a mix of 7 drought-loving plants. These plants are integrated into a reinforced biodegradable coir blanket. The sedum species selected have been chosen to provide varied colour and texture throughout the seasons. Harrowden Sedum Ground Mat kit is ideal for ground cover especially on sloped areas, providing stability, low maintenance and colour to otherwise challenging, hard to reach areas. The kit also contains Plantex® by DuPont Weed control fabric to ensure evasive weeds are kept at bay. Plantex® was the first product to be endorsed by Kew Gardens and has a proven 30 year history. Harrowden Ground Mat Kit will contain mature plants with at least 90% coverage and enough substrate to maintain the plants during establishment.

- **Typical Seed Mixture*** 100% sedum
- **Soil Classification** Grown on bespoke FLL (Forschungsgesellschaft Landschaftsentwicklung Landschaftbau) compliant substrate.

HS150 can be used as a bee-friendly alternative to a grass lawn. Ideal in places where maintenance is difficult such as pond surrounds, slopes and edges of a path or patio.

Flowering Times



Features: Sedum Ground Mat Kit

■ Features

RHS Plants for Pollinators - contains plant species that support pollinating insects.

A mixture of mature plants that allows you to establish dense planting very quickly - more reliable than seeding and less time consuming than plug planting.

Biodiverse and pollinator-friendly providing a valuable source of nectar and food for many species of insects and birds.

Contains perennial species that are frost hardy down to -20°C.

Environmentally-friendly requiring no pesticides.

Drought tolerant – only requiring occasional watering during long spells of dry weather.

Very low maintenance – does not require regular mowing.

Prefers a neutral to slightly alkaline pH but can also tolerate acidic soils.

Please Note: Must not be installed directly into water or water logged areas. Sedum plants cannot survive in waterlogged conditions.

Ideal for:

Low maintenance ground cover

Biodiverse landscaping schemes

Banks and sloped areas up to 65°

Around ponds

Low maintenance areas

Commercial landscaping

Urban areas and parks

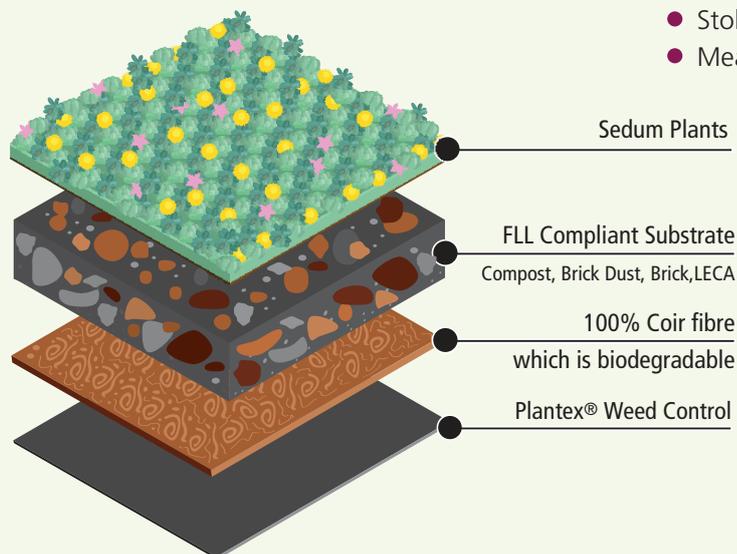
Domestic gardens

Sunny areas

On free draining surfaces

What's in our Enviromat Sedum Mat

- Widow's Cross (Sedum pulchellum)
- Summer Glory (Sedum spurium)
- Montanum Orientale (Sedum montanum)
- White Stonecrop (Sedum album)
- Czar's Gold (Sedum hybridum)
- Ellacombianum (Sedum ellacombianum)
- Crooked Yellow Stonecrop (Sedum reflexum)
- Tasteless Stonecrop (Sedum sexangulare)
- Goldmoss Stonecrop (Sedum acre)
- Purple Carpet (Sedum spurium coccineum)
- Spanish Stonecrop (Sedum hispanicum)
- Oregon Stonecrop (Sedum oreganum)
- Orange Stonecrop (Sedum floriferum)
- Gold Sedum (Sedum kamtchaticum)
- Angelina (Sedum rupestre)
- Wormleaf Stonecrop (Sedum stenopetalum)
- Stolon Stonecrop (Sedum stoloniferum)
- Meadow Saxifrage (Saxifraga granulata)



100% Sedum

As sown. The actual percentage of each species contained may vary due to environmental factors. Turfonline makes every effort to ensure its products are free from weeds and pests, however due to the natural way in which these products are grown we cannot guarantee they are 100% pest free on delivery. It may not contain all species that are listed. The variation of species present has been developed to suit a wide variety of installations and environmental conditions. This will result in a product that will adapt to individual settings which may mean some species are more successful than others. May contain some mosses.



Introducing our soil and bark range

Choosing the right soil or substrate

There are five main soil types that occur naturally in the UK and within those categories are quite a few variations. The five main types are:

- sandy and light silty soils
- medium soils
- heavy soils
- chalk and limestone soils
- peaty soils

Each soil type has its good and bad points. Sandy soil is easy to drain but doesn't hold on to plant nutrients very well. Heavy clay soil has plenty of plant nutrients but it's a nightmare to work with and can have drainage issues. Peaty soil is fantastic but if you're buying it in you must make sure it's from a sustainable source. A dark coloured soil suggests that it contains lots of organic matter. Organic matter = plant nutrients, great water holding capacity and lots of worms and microbes to keep soil and plants healthy. To ensure its quality it is wise to only purchase soils that have been tested to BS3882:2015 and have been screened to at least 20mm.

All plants require a good base in which to grow. Understanding their needs will help you to make the right decisions when designing a planting scheme.

Turfing and Grass Seeding

Most of the pain involved around creating a lawn is with the preparation. Getting a level firm surface to lay turf on is one of the most important parts of a successful lawn. Investing time getting the preparation right will yield results that last a lifetime. Choosing a soil that is fertile, free draining and easy to work with is key for anyone laying a new lawn. Soil qualities vary from place to place depending where you are in the UK. The best and most versatile soil is defined as grade 1. Only 2.5% of UK soils are classed by DEFRA as grade 1.

At Turfonline we produce high-quality turf on these soils and for our soil production, we reprocess some of the organic matter from the turf production process to create some of the best topsoil available. Many plants will adapt to the soil they are grown in, taking on the characteristics of that soil, turf is no different. The turf that we produce has a year-round deep green colour. Installing our turf onto this rich organic topsoil will ensure it retains that characteristic.

Choosing the right soil or substrate is an essential part of any landscaping project. Whether its for a lawn or a biodiverse green roof, making sure you have a good quality growing medium will ensure your planting scheme thrives.

Product Selector						
Product	SOIL-20MMSCREENED	SOIL-EVERGREEN LAWN	SOIL-LOW NUTRIENT	SOIL-LOW 20L	ENV-SUB	ENV-SUB25
Size	720 litres	20 litres	720 litres	20 litres	750 litres	25 Litres
Certification	BS3882:2015	BS3882:2015	BS3882:2015	BS3882:2015	FLL-Green-Roofing Guidelines 2018	
Application						
Turfing	■	■				
Flowerbeds and Borders	■	■				
Tree & Shrub Planting	■	■				
Fruit & Vegetable Planting	■	■				
Grass Seeding	■	■				
Lawn Top Dressing		■				
General Planting	■	■				
Wildflower Planting			■	■	■	■
Extensive Green Roofs - Sedum					■	■
Extensive Green Roofs - Wildflowers					■	■

Beds and Borders and General Planting

Raised beds are undoubtedly one of the most convenient ways of growing herbs, vegetables, flowers and fruit. They're accessible, neat and easily managed. The idea of raised beds is that you never have to step on the soil. That way there's no compaction and in theory you won't ever need to dig them over.

Harrowden Screened Topsoil is an ideal choice for beds, borders and raised planters. It has plenty of organic matter so that it will retain water – but on the other hand, it must have enough drainage so that it won't get sticky or waterlogged in wet weather. The high sand content helps with drainage and also makes this soil easy to rake out and level. This soil is great for potting up plants in the greenhouse and the polytunnel too. Being rich in nutrients it will ensure your plants get off to the right start.

Growing Wildflowers

Wildflowers thrive in soils which are low in nutrients. Most garden soil is naturally far too rich for a successful wildflower meadow. Gardeners are used to feeding and improving the soil to nurture the best possible crops of flowers, fruit and vegetables. But to get the best from native plants and wild flowers you need to take a completely different approach. UK native wildflowers evolved centuries ago – long before man invented chemical fertilisers. These plants have very simple needs. The right amount of water, enough soil to grow in, bees and butterflies to pollinate their flowers and a means of dispersing their seeds.

Grasses however will flourish in nutrient rich soils. This means that growing a perennial wildflower meadow on ordinary garden soil is incredibly difficult because over time the grasses take over and the flowering plants disappear. Turfonline Low Nutrient Topsoil has been developed to help with this challenge. It has a very low overall fertility whilst still remaining free draining and easy to work with.

Harrowden Screened Topsoil

- **Available from** www.turfonline.co.uk
- **Standard Size** 0.72m³ (0.94yd³)
- Weight:** 800kg
- Coverage:** 30m² (35yd²) to a depth of 25mm (0.98")
This product is sold per bag. Actual weight will depend on moisture content at the time of bagging.
- **Details**

A British Standard (BS3882:2015) tested Sandy Loam screened to 20mm, suitable for all general landscaping purposes. This soil is a blend of rich dark organic soil and sandy loam with a fine to medium granular structure, making an easy to work friable soil ideally suited for planting, turfing and seeding. The high organic matter provides a sufficient reserve of all major plant nutrients with no contaminants that are considered toxic to plants, human life or the environment. Slightly alkaline, this soil suits plants with a wide pH tolerance.
- **Uses**

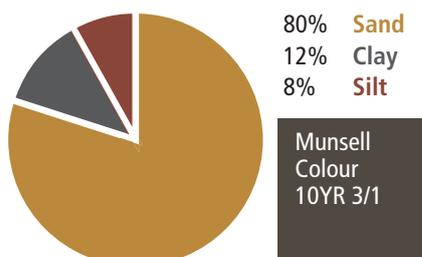
General landscaping.
Turfing and seeding.
Raised beds and borders.
Tree and shrub planting.
Vegetable and grow your own beds.

Our own blend nutrient-rich, organic and screened loam. Ideal for improving existing soils, general planting and turfing.

Features

- Screened to 20mm.
- Friable.
- Free draining.
- Low saline content.
- Fertile – contains 11% organic matter providing a full range of plant nutrients.
- Odour free.
- Medium fine granular structure.
- pH 7.8.
- Munsell Colour 10YR 3/1 (very dark grey)

■ Composition and Colour



Harrowden

Low Nutrient Topsoil

■ Available from	www.turfonline.co.uk
■ Standard Size	0.72m ³ (0.94yd ³)
Weight	800kg
Coverage	5m ² (5.97yd ²) to a depth of 145mm (5.7")

This product is sold per bag. Actual weight will depend on moisture content at the time of bagging.

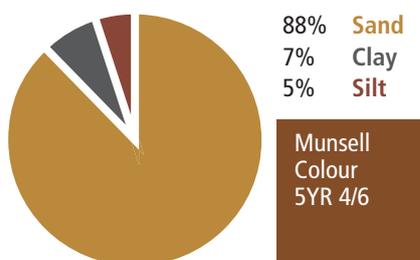
■ **Details**

A British Standard (BS3882:2015) tested Loamy Sand Topsoil screened to 10mm, suitable for establishment of species-rich wildflower areas. This predominantly sand based soil with low levels of organic matter has a fine single grain structure, making an easy to work with friable soil ideally suited for planting, turfing and seeding. The very low organic matter content ensures a low fertility status and has no contaminants that are considered toxic to plants, human life or the environment. Slightly alkaline, this soil suits plants with a wide pH tolerance.

■ **Uses**

Establishment of species-rich wildflower areas.
Wildflower turfing and seeding.

■ **Composition and Colour**



A specially blended low fertility soil essential for establishing a wildflower area.

Features

- Finely screened to ensure virtually no stones.
- Friable.
- Free draining.
- Low saline content.
- Low overall fertility to prevent domination by grasses and aggressive weeds.
- Odour free.
- Fine grain structure.
- pH 7.8.
- Munsell Colour 5YR 4/6 (yellowish red).

Miracle-Gro® EverGreen® Enriched Lawn Soil

- **Available from** www.turfonline.co.uk
- **Standard Size** 25 litres
- Weight:** 20kg
- Coverage:** 1m² (1.19yd²) to a depth of 25mm (0.98")
This product is sold per bag. Actual weight will depend on moisture content at the time of bagging.

- **Details**

Miracle-Gro® EverGreen® Lawn Dressing is the perfect blend of organic materials combined with sand and Miracle-Gro Lawn Food. It can be used to improve and enrich soils before sowing grass seed or laying turf, filling in hollows and for patch repairs. Its unique formulation helps to maintain an acid balance in the soil to encourage the growth of fine grasses. It also makes an excellent finishing soil used as the final layer once the site is prepared for new turf.

- **Uses**

General landscaping.
Turfing and seeding.
Lawn repair.
Lawn top dressing.

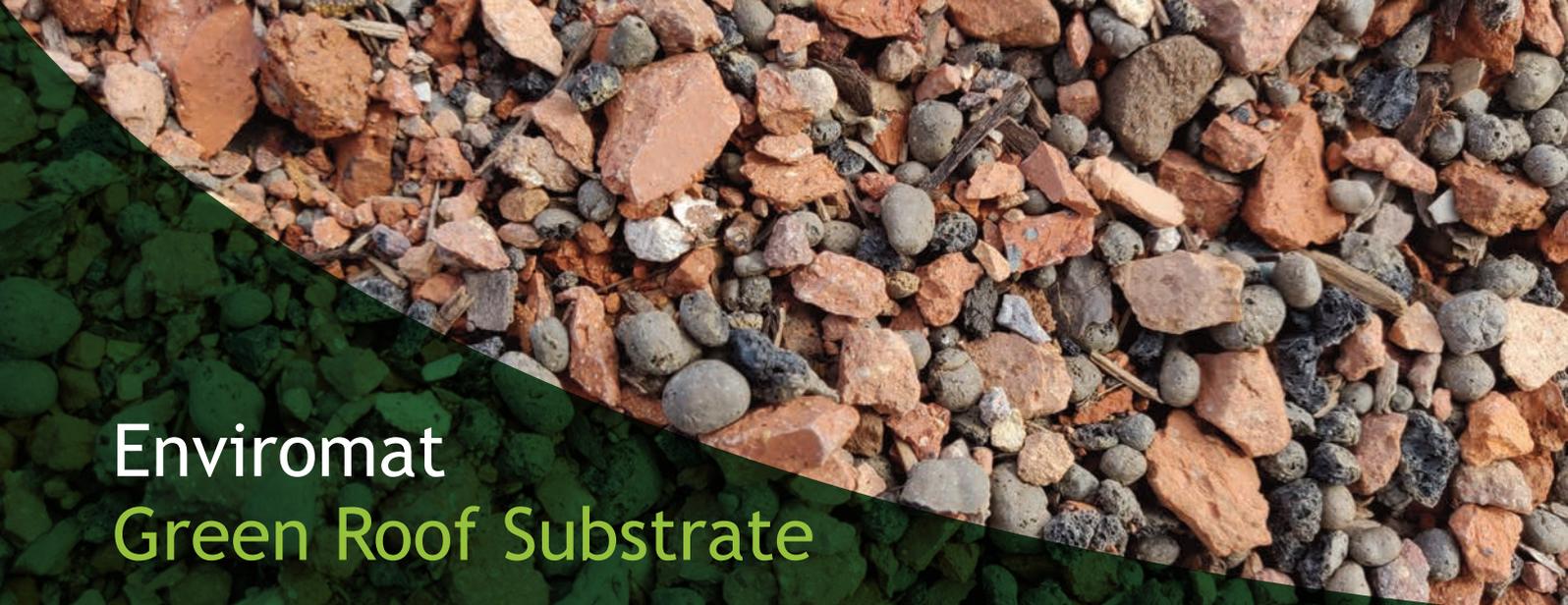
- **Composition and Colour**



100% organic and nutrient-rich. Ideal for improving existing soils, turfing and top dressing. Enriched with Miracle-Gro® Lawn Feed

Features

- Friable.
- Free draining.
- Fertile – contains organic matter and Miracle-Gro® Lawn Food.
- Odour free.
- Medium fine granular structure.
- pH 7.8
- Munsell Colour 10YR 3/1 (very dark grey).



Enviromat Green Roof Substrate

- **Available from** www.turfonline.co.uk
- **Standard Size** 600 Litres
Dry Weight: 560kg
Saturated Weight: 775kg
- **Coverage** 24m² (28.7yd²) to a depth of 25mm (0.98")
- **Recommended Depth** Wildflower Roof 150mm (5.9")
Sedum Roof 100mm (3.94")
This product is sold per bag. Actual weight will depend on moisture content at the time of bagging.
- **Details** An extensive green roof substrate which is tested to FLL-Green-Roofing Guidelines (2018). This substrate provides the perfect base for establishing a green roof installation. The use of recycled crushed brick provides the most effective media for extensive roof systems, due to its ability to retain moisture whilst also remaining lightweight.
- **Uses** Extensive Green Roofs
Areas where controlled nutrition and drainage are important.

An extensive green roof substrate that provides the perfect base for establishing a green roof installation.

Features

FLL (Forschungsgesellschaft Landschaftsentwicklung Landschaftsbau) compliant.

Made using recycled materials.

Low density.

Low nutrient.

Open structure to allow free draining.

Large particle size (0-14mm).

Optimum water retention allowing plants to thrive.

Odour free.

pH 8.4.



30% 10mm PAS green compost
70% Mineral Material



Harrowden Pine Play Bark

- **Available from** www.turfonline.co.uk
- **Standard Size** 70 litres
- Weight:** 20kg
- Coverage:** 0.7m² (0.08yd²) to a depth of 100mm (3.94")
This product is sold per bag. Actual weight will depend on moisture content at the time of bagging.
- **Details** This decorative pine bark has been tested to BS EN 1177 Play Certification standards making it an ideal alternative to synthetic play surfaces. Being non-staining and frost resistant makes it an ideal choice for protecting plants, retaining soil moisture and helping to suppress weeds in the garden. This high specification bark has great durability and will outlast many other barks and mulches.
- **Composition** Predominantly pine bark from sustainable sources.
Less than 5% white wood.
Minimal dust and fine material.
- **Uses** Play areas.
Flower beds & borders.
Around trees.
Pathways.
Ground cover applications.

A high performance play certificated bark, sourced from FSC regulated sustainable sources.

Features

- Sustainably sourced in the UK.
- BS EN 1177 Compliant (Impact Attenuating Surfaces).
- BS EN 4790:1987 Compliant (Fire Test to Textile Surfaces).
- Reduces weed growth and evaporation.
- Lasts for up to 6 years when installed 350mm deep.
- Natural pine aroma.
- Dark brown colour.
- Medium sized 18 - 35mm.
- pH 4.5 – 5.5.

Important - We recommend that commercial play areas have pine play bark to a depth of 300mm to protect against a critical height fall of 5.0m. For domestic use, the depth can be reduced depending on the critical fall height:

BS EN Certified Critical Fall Heights

100mm depth – 1.5m, 200mm depth – 4.3m, 300mm depth – 5.0m



Harrowden Ornamental Play Bark

- **Available from** www.turfonline.co.uk
- **Standard Size** 600 litres
- Weight:** 200kg
- Coverage:** 6m² (7.18yd²) to a depth of 100mm (3.94")
This product is sold per bag. Actual weight will depend on moisture content at the time of bagging.

- **Details** This decorative pine bark has been tested to BS EN 1177 Play Certification standards making it an ideal alternative to synthetic play surfaces. Being non-staining and frost resistant makes it an ideal choice for protecting plants, retaining soil moisture and helping to suppress weeds in the garden. This high specification bark has great durability and will outlast many other barks and mulches.

- **Composition** Predominantly pine bark from sustainable sources.
Less than 10% white wood.
Minimal dust and fine material.

- **Uses** Play areas.
Flower beds & borders.
Around trees.
Pathways.
Ground cover applications.

Important - We recommend that commercial play areas have pine play bark to a depth of 300mm to protect against a critical height fall of 5.0m. For domestic use, the depth can be reduced depending on the critical fall height:

BS EN Certified Critical Fall Heights

100mm depth – 1.5m, 200mm depth – 4.3m, 300mm depth – 5.0m

Play certificated bark, sourced from FSC regulated sustainable sources. Ideal for all play areas or as a general garden mulch.

Features

- Sustainably sourced in the UK.
- BS EN 1176 Compliant (Impact Attenuating Surfaces).
- High resistance to fire. Tested in accordance with BS 4790:1987.
- 100% natural product that contains no additives, colours or foreign matter.
- Reduces weed growth and evaporation.
- Lasts for up to 6 years when installed 350mm deep.
- Natural pine aroma.
- Mid brown colour.
- 8 - 40mm particle size with less than 5% fines.
- pH 4.5 – 5.5.

Introducing our feed range

Why Turfonline lawn feeds?

All grass lawns will benefit from regular feeding. Without extra nutrients grasses soon use up plant food reserves in the soil and then turn pale and thin. Without food to develop side shoots and thickness, a lawn is open to invasion by weed seeds and moss that thrive in low nutrient conditions. Remember a wild flower area needs no extra feed, it will thrive in very poor soils.

We have been searching for the right lawn feeds for many years. For a lawn feed to be effective it must contain the right balance of nutrients, be easy to apply, and give a steady controlled supply of nutrients so the grass plants can take up as much as possible. Our range of lawn feeds have been selected with these characteristics in mind.

Pre-Seeding and Turfing Lawn Feed

Seedlings and freshly laid turf need a boost to get off to the best start. Although turf is made up of mature plants the process of harvesting and transporting puts a huge strain on the individual grass plants. The key to a great lawn is rapid establishment. Until turf roots into soil it will have to survive off its own resources. Encouraging rapid rooting will ensure the lawn is healthy, green and strong. Seedlings too need a little help to get started. Slow germination and growth will give opportunist weeds the chance to get established. By using Turfonline Rapid Roots you are ensuring a newly planted lawn has the right balance of nutrients to encourage root growth, retain nutrients and promote healthy leaf growth.

The unique formula of Rapid Roots means it can be applied either to the soil before seeding or laying turf, or on top of newly laid turf. Although Rapid Roots was developed as a feed for use in the early stages of growth it can also be used as a general pick me up at any time of the year.

Spring and Summer Lawn Feed

During the peak growing season it is important that a lawn has all the nutrients its needs to maintain shoot growth. Turfonline Vivid Green contains nitrogen which is essential to help maintain a vibrant dark green colour. Its careful balance of key nutrients will ensure a lawn stays healthy throughout periods of hot weather by increasing water absorption and keeping roots strong and healthy.

A healthy lawn provides the perfect backdrop for any garden, a rich, living carpet of green. It is the perfect complement to flower beds and borders and provides a soft welcoming sanctuary for family and friends. Not only that, healthy plants play an important role in adsorbing CO₂ from the air we breathe.





Autumn and Winter Lawn Feed

Feeding a lawn in the Autumn and Winter is equally important. Just because grass growth slows down doesn't mean it has the nutrients required to stay healthy. During the winter months the amount of sunlight available to plants is much less than in the summer. It is essential to make use of all available light during the winter months so a lawn can fight off disease. Using the correct balance of nitrogen can encourage the production of chlorophyll which is essential for photosynthesis. Turfonline Rejuvenator has been formulated to provide the right balance of nutrients for winter months.

Feeding Sedum Plants

Looking after sedum plants is just as important, whether its at ground level or on a roof. These tiny plants will benefit from a feed once or twice a year. Our specially selected Green Roof Feed provides all the nutrients required for strong healthy plants. Its easy to spot when sedum plants need feeding as they will turn a deep red colour, this shows they are stressed and need some help. We recommend applying sedum feed at least twice per year.

The first application should be in early spring when the last frosts have been seen. After that by keeping an eye on your sedum it will let you know when it needs feeding or watering. Always try and apply sedum feed to dry plants and then water in well. Sedums are succulents which means they have swollen leaves and stems which store water. To avoid scorching it is advised to water well after an application of feed to wash the feed off the leaves.





Rapid Roots Pre-Seeding/Turfing Feed

- **Available from** www.turfonline.co.uk
- **Available from** Turfonline Ltd, Colpmans Farm, Islip, Northamptonshire, NN14 3LT
- **Packaged Weight** 2kg
Application rate: 20g/m²
Coverage: 100m² (119yd²)
This product is sold per container.
- **Details** Turfonline Rapid Roots is a professional slow release organic lawn feed, formulated to encourage root growth and stimulate soil bacteria to improve the establishment of either freshly laid turf, or as pre-seed preparation.
- **Technical Specification** Total Nitrogen (N) 8%
Phosphorus Pentoxide (P2O5) 4%
Potassium Oxide (K2O) 8%
Magnesium Oxide (MgO) 3%
Trace Elements
Humates
Zeolites
Seaweed
- **Uses** Pre-seeding or turfing of new lawns.
Feeding an existing lawn.
Important - Do not exceed the recommended application rate.

A professional organic lawn feed, specially designed for use in pre-seeding or pre-turfing applications.

Features

Resealable safe storage container.
Slow nutrient release – provides nutrients for up to 3 months.
Nitrogen to promote healthy leaf growth.
Phosphorus, Humates and Trace Elements to keep roots healthy.
Potassium to aid water absorption.
Magnesium Oxide aids in the production of chlorophyll to encourage a lush, green colour.
Zeolites for nutrient retention.
Can be applied to bare soil prior to turfing or seeding, or as a top dressing to recently installed turf.
Can be applied at any time of the year, for best results avoid use during heat waves or drought unless watered well in.



Vivid Green Spring/Summer Lawn Feed

- **Available from** www.turfonline.co.uk
- **Available from** Turfonline Ltd, Colpmans Farm, Islip, Northamptonshire, NN14 3LT
- **Packaged Weight** 2kg
Application rate: 20g/m²
Coverage: 100m² (119yd²)
This product is sold per container.
- **Details** Turfonline Vivid Green is formulated with high levels of nitrogen and key nutrients to maintain root and shoot growth for a thicker, greener lawn during the main growing season.
- **Technical Specification** Total Nitrogen (N) 20%
Phosphorus Pentoxide (P2O5) 3%
Potassium Oxide (K2O) 8%
Iron (Fe) 0.8%
- **Uses** Feeding an established lawn between March and September.
Important - Do not exceed the recommended application rate. Due to the iron content, this product can cause staining to hard surfaces such as concrete and paving.

A professional Spring/Summer lawn feed which contains the correct balance of nutrients required during the main growing season.

Features

- Resealable safe storage container.
- Slow nutrient release – provides nutrients for up to 3 months.
- High in nitrogen to promote leaf growth ensuring a lush, green appearance.
- Phosphorus to keep roots strong and healthy.
- Potassium to aid water absorption and disease control.
- Contains Iron for a deep green colour, which also helps to keep moss under control.



Rejuvenator

Autumn/Winter Lawn Feed

- **Available from** www.turfonline.co.uk
- **Packaged Weight** 2kg
Application rate: 20g/m²
Coverage: 100m² (119yd²)
This product is sold per container.
- **Details** Turfonline Rejuvenator is a balanced lawn feed which is high in potassium, helping to maintain turf health and colour throughout the winter.
- **Technical Specification** Total Nitrogen (N) 2%
Phosphorus Pentoxide (P₂O₅) 5%
Potassium Oxide (K₂O) 19%
Iron (Fe) 0.8%
- **Uses** Feeding an established lawn between October and March.
Important - Do not exceed the recommended application rate. Due to the iron content, this product can cause staining to hard surfaces such as concrete and paving.

A professional lawn feed, which provides balanced nutrition during Autumn and Winter.

Features

- Resealable safe storage container.
- Slow nutrient release – provides nutrients for up to 3 months.
- Low in nitrogen to provide controlled winter leaf growth.
- Phosphorus to keep roots strong and healthy.
- Potassium to aid water absorption and disease control.
- Iron to harden grass plants to provide resistance against Fusarium. Also helps to keep moss under control.



Enviromat

Natural Green Roof Feed

- **Available from** www.turfonline.co.uk
- **Packaged Weight** 2kg
Application rate: 30g/m²
Coverage: 65m² (77yd²)
This product is sold per container.

- **Details** A slow release fertiliser designed specifically for green roof applications, in particular sedum installations. As plants found on a green roof typically have a relatively shallow layer of growing medium, it is imperative that there is a robust, healthy plant layer. Since green roof plants do not have the same access to water and nutrients as those at ground level, Green Roof Fertiliser must be used to keep them healthy. It's important to make sure that these plants are well nourished so that they will be able to withstand summertime droughts and winter frosts.

- **Technical Specification** Total Nitrogen (N) 8%
Phosphorus Pentoxide (P2O5) 4%
Potassium Oxide (K2O) 8%
Magnesium Oxide (MgO) 3%
Trace Elements

- **Uses** Extensive Green Roofs.
Controlled feeding of sedum plants both on roofs and on the ground.

Important - This product must be applied to a dry leaf, then watered in sufficiently. Scorching may occur if applied during wet conditions. Do not exceed the recommended application rate.

A professional organic sedum feed formulated for healthy robust plants and to provide maximum benefit for any living green roof.

Features

Resealable container for safe storage.

Nitrogen to promote healthy leaf growth.

Phosphorus to keep roots strong and healthy.

Potassium to aid water absorption.

Can be applied at any time of the year. For best results, apply in early spring and again in early summer.



Introducing our seed range

Grass Seeds

All of our grass seeds are tested for their purity and germination and only the very best cultivars make the grade. Every year we hand pick the best seeds possible from the STRI (Sports Turf Research Institute) guide to create a blend of grasses that are unique to Turfonline. We are one of the only growers that goes to such lengths and this extra care and attention produces a seed mix that will provide an all-round turf, covering as many desired characteristics as possible. Each cultivar is assessed for the following characteristics:

- **Visual merit** – This is an overall measure of the suitability for its potential use.
- **Shoot density** – In most situations a dense sward is desired. A high shoot density is what gives you a thick dense carpet of grass.
- **Live ground cover** – This is important when assessing wear tolerance.
- **Slow re-growth** – As mowing accounts for most of the required maintenance of a grass area the speed of re-growth is an important measure of how much care a specific cultivar will need.
- **Fineness of leaf** – Different varieties of grass all have varying leaf widths. Finer leaves produce a more ornamental looking lawn.
- **Cleanness of cutting** – It is important that grass leaves are easy to cut. This helps to reduce discolouration after mowing.
- **Disease resistance** – It is becoming more and more important to cut down on the use of pesticides. Grasses with a high resistance to disease will help achieve this.
- **Colour** – One of the most important characteristics of a lawn is its lush year round green colour.
- **Recovery** – A high recovery score means a cultivar is less likely to require renovation work, indicating good self-recovery.

Whether you are **overseeding an existing area or creating a new lawn or meadow from scratch, ensuring you have the best seed available is key in creating a quality landscaped area.**





Wildflower Seeds

We source our native wildflower seeds from some of the UK's leading growers. When choosing varieties for our mixes, we consider their origin, flowering time, bio-diversity and their natural habitat. This enables us to develop bespoke mixes that are ideally suited to a wide range of applications, soil types and aspirations.

Due to the complexity of our mixes, many of the varieties are cleaned and mixed by hand. This attention to detail helps to achieve the highest possible standards meaning our mixes enhance and improve the environment.

We put the same amount of care into our range of seed as we do our pre-grown products. Only the very best will make the grade.

Choosing the right seed for your project

As the UK's largest grower of wildflower turf, sedum blankets and lawn turf, we demand high-quality seed, cleaned of any weed seeds and with a high germination rate.

We put the same amount of care into our range of seed as we do our pre grown products. Only the very best will make the grade.

We have a large range of seeds available but if you can't find what you are looking for, we can supply bespoke mixtures tailored to your exact requirements. Please get in touch for more details.





Harrowden Premium Seed

- **Available from** www.turfonline.co.uk
- **Standard Size** 0.9kg tub
- **Sowing Rate**

Over seeding
15g per square metre. 60m² coverage.

Establishing a new lawn
30g per square metre. 30m² coverage.
- **Growth**

Turfonline Premium Lawn Seed is ideal for repairing an existing lawn and is the same mixture used to grow our British Standard Premium Lawn Turf, TURF-S6. The seed cultivars in this mix have been independently selected to provide the best quality sward. This results in a unique blend that produces a finer leaved luxurious but hardwearing lawn. Can also be used to establish a new lawn from scratch.
- **Typical Seed Mixture**

20% Perennial Ryegrass
10% Smooth Stalked Meadow Grass
35% Slender Creeping Red Fescue
20% Strong Creeping Red Fescue
15% Chewing's Fescue
- **Uses**

High quality landscapes areas
Commercial landscaping
Domestic lawns
Golf tees
Hardwearing amenity sports areas
Urban areas

Purity and germination certified Premium Lawn Seed. Ideal for creating new lawns or repairing damaged or thin areas.

Features

Due to the unique mix of species and cultivars this seed will produce a lawn with some shade, drought and salt tolerance.

Good year round colour.

Close mowing capability.

High shoot density with good rhizomatous recovery.

Outstanding tolerance to Fusarium, Red Thread and Dollar Spot.

Compatible with most growing mediums found throughout the UK.



Harrowden Shadesman+ Seed

- **Available from** www.turfonline.co.uk
- **Standard Size** 200g bag
- **Sowing Rate**
 - Over seeding*
3g per square metre. 65m² coverage.
 - Establishing a new lawn*
5g per square metre. 40m² coverage.

- **Growth**

Turfonline Shadesman+ Seed is ideal for repairing an existing Shadesman lawn. The use of Poa Supina and Poa Pratensis creates a medium textured low maintenance lawn, that is both shade and drought tolerant. Turfonline Shadesman+ Seed can also be used for growing a shade tolerant lawn from scratch. Shadesman+ Seed can be slow to germinate, for best results sow between March and September.

- **Typical Seed Mixture** 50% Poa Supina
50% Poa Pratensis

- **Uses**
 - Shaded landscaped areas.
 - Commercial landscaping.
 - Domestic lawns.
 - Golf tees.
 - Racecourses.
 - Hardwearing amenity areas.
 - Urban areas.

Shadesman+ Seed is ideal for repairing existing Shadesman lawns or can be used to create a lawn from scratch.

Features

Extremely high shade tolerance.

Drought tolerant.

Good year round colour that is impassive to climate change.

Close mowing capability.

High shoot density with unique stoloniferous creeping ability.

Low maintenance requiring up to 50% less mowing than a conventional ryegrass lawn.

Compatible with most growing mediums found throughout the UK however this seed is not suitable for areas with poor drainage or waterlogging.



Harrowden Species Rich Lawn Seed

- **Available from** www.turfonline.co.uk
- **Standard Size** Available in various quantities.
Sowing Rate 10g/m².

■ **Growth**
Turfonline Species Rich Lawn Seed is a blend of 12 slow growing grasses and 23 native wildflowers. The specially selected grasses ensure full coverage all year round. Turfonline Species Rich Lawn Seed will create a colourful low maintenance lawn and is suitable for most soil types.

■ **Typical Seed Mixture***

80% Slow Growing Grasses: Slender Creeping Red Fescue, Hard Fescue, Sheeps Fescue, Small Leaved Timothy, Crested Dogs Tail, Brown Top Bent, Chewings Fescue, Creeping Bent, Strong Creeping Red Fescue, Smooth Meadow Grass, Rough Stalked Meadow Grass, Perennial Ryegrass

20% Native Wildflowers: Common Knapweed, Meadow Buttercup, Rough Hawkbit, Cat's Ear, Cowslip, Common Mouse-Ear, Flax, Birdsfoot Trefoil, Black Medick, Ribwort Plantain, Common Sorrel, Lady's Bedstraw, White Clover, Creeping Buttercup, Selfheal, Yarrow, Autumn Hawkbit, Yellow Rattle, Small Scabious, Wood Sage, Wild Carrot Red Clover, Common Dandelion

- **Uses**
Low maintenance areas.
Commercial landscaping.
Domestic lawns.
Urban areas.

A blend of 12 slow growing grasses and 23 native wildflowers adds a splash of colour to a lawn.

Features

Biodiverse and pollinator-friendly.
Low maintenance.
Hardwearing.
Good year round colour and appear.
Good drought tolerance.
Compatible with most growing mediums found throughout the UK and can tolerate slightly more nutrient rich soils.

*When grown the actual percentage of each species contained may vary due to environmental factors. Turfonline makes every effort to ensure wildflower products are free from weeds seeds, however due to the natural way in which these seeds are collected we cannot guarantee they are 100% weed free on delivery. It is unlikely that you will see every species that is listed. The variation of species present has been developed to suit a wide variety of soils and environmental conditions. This will result in a wildflower area that will adapt to individual settings which may mean some species are more successful than others. Contains annual bi-annual and perennial species.

Meadowmat

Traditional Seed Mix



- **Available from** www.turfonline.co.uk
- **Standard Size** Available in various quantities.
Sowing Rate 5g/m².
- **Growth**
Turfonline Traditional Meadowmat Seed Mix is a blend of 3 slow growing grasses and 31 native wildflowers typically found in an old fashioned hay meadow. Many of the species are perennial which means they will flower every year if the conditions are suitable. The specially selected grasses ensure coverage all year round.
- **Typical Seed Mixture***
20% Slow Growing Grasses: Slender Creeping Red Fescue, Sheep's Fescue, Crested Dogs Tail
80% Native Wildflowers: Autumn Hawkbit, Betony, Birdsfoot Trefoil, Bladder Champion, Catsear, Common Knapweed, Common Sorrel, Common St Johns Wort, Common Toadflax, Common Vetch, Cowslip, Daisy, Field Scabious, Lady's Bedstraw, Meadow Buttercup, Meadow Cranesbill, Meadowsweet, Musk Mallow, Ragged Robin, Red Champion, Red Clover, Ribwort Plantain, Rough Hawkbit, Salad Burnet, Selfheal, Tufted Vetch, White Champion, Wild Carrot, Wild Marjoram, Yarrow, Yellow Rattle
- **Uses**
Biodiverse landscaping schemes.
Low maintenance areas.
Commercial landscaping.
Urban areas and parks.
Domestic gardens.
- **Flowering Time** Flowers from March to November (dependant on local weather conditions) peak flowering is from June to September.

Our Traditional Meadowmat Seed gives you a colourful mix of grasses and flowers to recreate the wildflower meadows of yesteryear.

Features

Biodiverse and pollinator-friendly providing a valuable source of nectar and food for many species of insects and birds.

A mixture of grasses and wildflowers for year round interest. Environmentally friendly requiring no fertilisers or pesticides.

Low maintenance – does not require regular mowing.

Prefers a neutral pH but can tolerate acidic or alkaline soils - for best results this product requires installation on a low nutrient soil.

*When grown the actual percentage of each species contained may vary due to environmental factors. Turfonline makes every effort to ensure wildflower products are free from weeds seeds, however due to the natural way in which these seeds are collected we cannot guarantee they are 100% weed free on delivery. It is unlikely that you will see every species that is listed. The variation of species present has been developed to suit a wide variety of soils and environmental conditions. This will result in a wildflower area that will adapt to individual settings which may mean some species are more successful than others. Contains annual bi-annual and perennial species.

Meadowmat

Woodland Shade Seed Mix



- **Available from** www.turfonline.co.uk
- **Standard Size** Available in various quantities.
Sowing Rate 5g/m².
- **Growth**
Turfonline Woodland Shade Meadowmat Seed Mix is a blend of 3 slow growing grasses and 35 native wildflowers many of which can be found growing in woodland and hedgerows. All but one of the species are perennial which means they will flower every year if the conditions are suitable. The specially selected grasses ensure coverage all year round.
- **Typical Seed Mixture***
30% Native Grasses: Crested Dogstail, Sheep's Fescue, Yellow Oatgrass
70% Native Wildflowers: Autumn Hawkbit, Betony, Birdsfoot Trefoil, Catsear, Common Knapweed, Common Sorrel, Common Toadflax, Common Vetch, Cowslip, Daisy, Dames Violet, Field Scabious, Kidney Vetch, Lady's Bedstraw, Meadow Buttercup, Meadow Cranesbill, Meadow Vetchling, Meadowsweet, Musk Mallow, Pepper Saxifrage, Primrose, Ragged Robin, Red Campion, Ribwort Plantain, Rough Hawkbit, Salad Burnet, Sanfoin, Selfheal, Tufted Vetch, White Campion, Wild Carrot, Wild Marjoram, Wild Mignonette, Wood Sage, Yellow Rattle
- **Uses**
Biodiverse landscaping schemes.
Low maintenance areas.
Commercial landscaping.
Urban areas and parks.
Domestic gardens.
- **Flowering Time** Flowers from March to November (dependant on local weather conditions) peak flowering is from June to September.

A shade tolerant seed mix designed to give colour and variety to those harder to manage shady areas.

Features

Biodiverse and pollinator-friendly providing a valuable source of nectar and food for many species of insects and birds.

Contains mainly perennial species to ensure a varied display each year.

Environmentally friendly requiring no fertilisers or pesticides.

A mixture of grasses and wildflowers for year round interest.

Low maintenance – does not require regular mowing

Prefers a neutral pH but can tolerate acidic or alkaline soils - for best results this product requires installation on a low nutrient soil.

*When grown the actual percentage of each species contained may vary due to environmental factors. Turfonline makes every effort to ensure wildflower products are free from weeds seeds, however due to the natural way in which these seeds are collected we cannot guarantee they are 100% weed free on delivery. It is unlikely that you will see every species that is listed. The variation of species present has been developed to suit a wide variety of soils and environmental conditions. This will result in a wildflower area that will adapt to individual settings which may mean some species are more successful than others. Contains annual bi-annual and perennial species.

**The RHS Plants for Pollinators mark is only given to plants that support pollinating insects. Find out more at rhs.org.uk/plantsforpollinators

Meadowmat

Cottage Garden Seed Mix



- **Available from** www.turfonline.co.uk
- **Standard Size** Available in various quantities.
Sowing Rate 5g/m².
- **Growth**
Turfonline Cottage Garden Meadowmat Seed Mix is a blend of 2 slow growing grasses and 30 native wildflowers many of which could be found in an old fashioned English garden. Most of the species are perennial which means they will flower every year if the conditions are suitable. The specially selected grasses ensure coverage all year round.
- **Typical Seed Mixture***
5% native grasses: Tufted Hair Grass
95% Native Wildflowers: Achillea Millefolium, Birdsfoot Trefoil, Bladder Campion, Columbine, Common Knapweed, Common Mallow, Corn Chamomile, Cornflower, Cosmos Albatross, Cosmos Gloria, Erigeron 'profusion', Field Scabious, Linaria - Northern Lights, Meadow Saxifrage, Melton Pastels, Nettle Leaved Bellflower, Ragged Robin, Red Campion, Ribwort Plantain, Rose Campion, Sweet Violet, Thrift, Tufted Vetch, Viper's Bugloss, White Breeze, White Campion, Wild Thyme, Vervain, Yarrow, Yellow Horned Poppy
- **Uses**
Biodiverse landscaping schemes.
Low maintenance areas.
Commercial landscaping.
Urban areas and parks.
Domestic gardens.
- **Flowering Time** Flowers from February to November (dependant on local weather conditions) peak flowering is from June to October.

A glorious blend of native and non-native plants and grasses to attract and support pollinating insects.

Features

Biodiverse and pollinator-friendly providing a valuable source of nectar and food for many species of insects and birds.

Contains perennial, annual and bi-annual species to ensure a varied display each year.

Environmentally friendly requiring no fertilisers or pesticides.

A mixture of grasses and wildflowers for year round interest.

Low maintenance – does not require regular mowing.

Prefers a neutral pH but can tolerate acidic or alkaline soils - for best results this product requires installation on a low nutrient soil.

*When grown the actual percentage of each species contained may vary due to environmental factors. Turfonline makes every effort to ensure wildflower products are free from weeds seeds, however due to the natural way in which these seeds are collected we cannot guarantee they are 100% weed free on delivery. It is unlikely that you will see every species that is listed. The variation of species present has been developed to suit a wide variety of soils and environmental conditions. This will result in a wildflower area that will adapt to individual settings which may mean some species are more successful than others. Contains annual bi-annual and perennial species.

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Meadowmat

Heritage Seed Mix



- **Available from** www.turfonline.co.uk
- **Standard Size** Available in various quantities.
Sowing Rate 5g/m².
- **Growth**
Turfonline Heritage Seed Mix is a blend of 1 slow growing grass and 21 native wildflowers that have been selected for their ability to grow in shallow, poor nutrient soils. Most of the species are perennial which means they will flower every year if the conditions are suitable. The specially selected grass ensures and all year round coverage. Turfonline Heritage Seed Mix was originally designed for green roofing but is just as happy when grown on the ground.
- **Typical Seed Mixture***
10% native grasses: Slender Creeping Red Fescue
90% Native Wildflowers: Birdsfoot Trefoil, Bladder Campion, Clustered Bellflower, Common Poppy, Cornflower, Daisy, Fox And Cubs, Lady's Bedstraw, Maiden Pink, Meadow Saxifrage, Ragged Robin, Sea Campion, Selfheal, Sheep's Bit, Soapwort, Thrift, Viper's Bugloss, Water Avens, Wild Thyme, Yarrow, Yellow Rattle.
- **Uses**
Biodiverse landscaping schemes.
Biodiverse living roofs.
Low maintenance areas.
Commercial landscaping.
Urban areas and parks.
Domestic gardens.
- **Flowering Time** Flowers from January to December (dependant on local weather conditions) peak flowering is from June to September.

Heritage Meadowmat Seed Mix was originally developed for green roof applications, however it is just as happy on the ground!

Features

Biodiverse and pollinator-friendly providing a valuable source of nectar and food for many species of insects and birds.

Contains mainly perennial species to ensure a varied display each year.

Environmentally friendly requiring no fertilisers or pesticides.

A mixture of grass and wildflowers for year round interest.

Low maintenance – does not require regular mowing.

Prefers a neutral pH but can tolerate acidic or alkaline soils - for best results this product requires installation on a low nutrient soil or specialist roofing substrate.

*When grown the actual percentage of each species contained may vary due to environmental factors. Turfonline makes every effort to ensure wildflower products are free from weeds seeds, however due to the natural way in which these seeds are collected we cannot guarantee they are 100% weed free on delivery. It is unlikely that you will see every species that is listed. The variation of species present has been developed to suit a wide variety of soils and environmental conditions. This will result in a wildflower area that will adapt to individual settings which may mean some species are more successful than others. Contains annual bi-annual and perennial species.

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Meadowmat

Birds & Bees FLL Seed Mix



- **Available from** www.turfonline.co.uk
- **Standard Size** Available in various quantities.
Sowing Rate 5g/m².
- **Growth**
Turfonline Birds & Bees FLL Meadowmat Seed Mix is a blend 41 native wildflowers specially selected to be pollinator-friendly. Many of the species are perennial which means they will flower every year if the conditions are suitable. Having no grass species in the mix results in a more colourful mix that is also suitable for green roof installations.
- **Typical Seed Mixture***
100% Native Wildflowers: Agrimony, Autumn Hawkbit, Birdsfoot Trefoil, Bladder Campion, Chicory, Clustered Bellflower, Columbine, Common Daisy, Common Mallow, Common Sorrel, Common Toadflax, Cornflower, Fennel, Field Poppy, Fox And Cubs, Foxglove, Grandmothers Garden, Greater Knapweed, Harebell, Maiden Pink, Meadow Buttercup, Meadow Cranes-Bill, Musk Mallow, Purple Loosestrife, Ragged Robin, Red Campion, Red Clover, Sheeps Bit Scabious, Small Scabious, Tansy, Teasel, Viper's Bugloss, White Campion, White Clover, Wild Basil, Wild Carrot, Wild Clary, Wild Marjoram, Wild Pansy, Wild Thyme, Yarrow
- **Uses**
Biodiverse landscaping schemes.
Low maintenance areas.
Commercial landscaping.
Urban areas and parks.
Domestic gardens.
Areas requiring maximum colour and interest.
Green Roofs.
- **Flowering Time** Flowers from January to December (dependant on local weather conditions) peak flowering is from June to October.

With no grasses, this 100% wildflower seed mix is ideal for use on green roofs or areas where a florally focussed display of colour is required.

Features

- 100% wildflower mix.
- Biodiverse and pollinator-friendly providing a valuable source of nectar and food for many species of insects and birds.
- Contains perennial, annual and bi-annual species to ensure a varied display each year.
- Environmentally friendly requiring no fertilisers or pesticides.
- Low maintenance – does not require regular mowing.
- Prefers a neutral pH but can tolerate acidic or alkaline soils - for best results this product requires installation on a low nutrient soil or substrate mix.

*When grown the actual percentage of each species contained may vary due to environmental factors. Turfonline makes every effort to ensure wildflower products are free from weeds seeds, however due to the natural way in which these seeds are collected we cannot guarantee they are 100% weed free on delivery. It is unlikely that you will see every species that is listed. The variation of species present has been developed to suit a wide variety of soils and environmental conditions. This will result in a wildflower area that will adapt to individual settings which may mean some species are more successful than others. Contains annual bi-annual and perennial species.

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Meadowmat SuDS Seed Mix



- **Available from** www.turfonline.co.uk
- **Standard Size** Available in various quantities.
Sowing Rate 10g/m².

■ Growth

Harrowden SuDS Meadowmat Seed Mix is a blend of 4 native grasses and 30 native wildflowers that have been selected for their ability to root into and stabilise poor nutrient soils. The mix contains perennial species which means they will flower every year if the conditions are suitable. The specially selected grasses ensures all year round coverage along with strong rooting to aid soil stability. Turfonline SuDS Meadowmat Seed Mix was originally developed for Sustainable Urban Drainage Systems but is also ideal for any sloped areas, providing stability, low maintenance and colour to otherwise challenging hard to reach areas.

■ Typical Seed Mixture*

50% Native Grasses: Sheep's Fescue, Slender Creeping Red Fescue, Crested Dogstail, Small Leaved Timothy

50% Native Wildflowers: Autumn Hawkbit, Betony, Birdsfoot Trefoil, Bladder Campion, Catsear, Common Knapweed, Common Sorrel, Common St John's Wort, Common Toadflax, Common Vetch, Cowslip, Field Scabious, Hay Rattle, Lady's Bedstraw, Meadow Buttercup, Meadow Cranesbill, Meadowsweet, Musk Mallow, Oxeye Daisy, Red Campion, Red Clover, Ribwort Plantain, Salad Burnet, Selfheal, Tufted Vetch, Vipers Bugloss, White Campion, Wild Carrot, Wild Marjoram, Yarrow

■ Uses

Biodiverse landscaping schemes; banks and sloped areas up to 65 degrees; SuDS and Bioswale Systems; around ponds and basins; soakaway trenches; low maintenance areas; commercial landscaping urban areas and parks; domestic gardens.

■ Flowering Time

Flowers from March to November (dependant on local weather conditions) peak flowering is from June to September.

SuDS & Slopes
Meadowmat Seed Mix
provides a low
maintenance solution.
Ideal for slopes, damp
soils and the margins of
ponds and streams.

Features

Biodiverse and pollinator-friendly providing a valuable source of nectar and food for many species of insects and birds.

Environmentally friendly requiring no fertilisers or pesticides.

A mixture of grass and wildflowers for year round interest.

Low maintenance – does not require regular mowing

Prefers a neutral pH but can tolerate acidic or alkaline soils - for best results this product requires installation on a low nutrient soil. We recommend sowing this mix on a reinforced environmentally friendly growing blanket.

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