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Harrowden Turf Ltd.
Picow Farm Road | Runcorn
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/// looked.stud.exit

E runcorn@harrowdenturf.co.uk
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Order online 24 hours a day at:

www.turfonline.co.uk

Now accepting

/// what3words

sales@harrowdenturf.co.uk



The information and specifications contained in this guide are accurate at the time of press. Harrowden Turf Ltd reserves the right to change these at any time without prior notice. Photos are for illustrative purposes only and may not be representative of how the established products will look in your particular situation. Any advice or information given relating to the use or suitability of a product, is for guidance only and no warranty in this regard is given, whether express or implied. Customers should satisfy themselves that any product ordered is suitable for its intended use.

Product Guide Version 4 – February 2024





Harrowden

TURF | WILDFLOWER | GREENROOF | TOPSOIL | SEED



PRODUCT GUIDE 2024

About Harrowden

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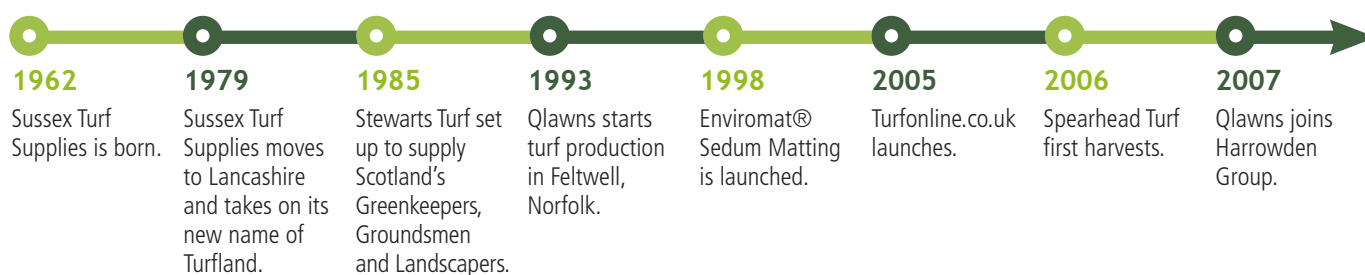
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Harrowden began as five separate turf businesses serving distinct parts of the country. Now we're a national horticultural grower specialising in turf, wildflower turf, sedum and topsoil and we're a one-stop shop for retail and professional contractors alike. We are also a national distributor for all things horticultural - plants, seeds, tools, bulbs and everything you need to plant, prune, feed, spray and spread. In this sector there is no room to stand still so our culture of innovation means continual improvement, depot development and an ever-expanding product portfolio.

We are proud of our position in the UK market and work continually to bring innovation and new technology to the sector.

Having adopted the latest turf harvesting technology from the United States last year we have continued to innovate; developing cutting-edge turf, wildflower turf and seed varieties to address the changing climate conditions, the move to greener alternatives and the constant pace of consumer demand. We have taken control of our own wildflower seed production taking the unprecedented step of taking complete ownership of our wildflower seed product throughout its lifecycle. So, we are growing our own plants, cleaning our own seeds and bringing our own seeds to market. Not only will we be using our own seed to create our

Harrowden Timeline





Meadowmat Wildflower Turf but we are also making it available to our various markets as fully traceable wildflower seed mixes.

This is our latest innovation, sitting alongside our specialist shade-tolerant turf Shadesman+, our Meadowmat Wildflower Turf and the new seed mixes and green roof kits we have developed for both landscapers and home gardeners.

Having achieved a clean sweep of ISO accreditations across the business - ISO 9001, 14001 and 45001 – in Transport, Customer Service, Accounting and Business Continuity we continue to boost training across the business and bring new, consistent processes on stream across all our locations. If you take that ever-expanding product range and put it together with a transport team recognised by FORS and enjoying agreements with national transport partners; growing units on both sides of the country and a team of people working together you have a benchmark horticultural business.

As the UK's largest grower and distributor of turf we boast a wealth of specialised growing skills and experience coupled with in-depth sector knowledge gained from more than 60 years in the business.

We pride ourselves on the quality of our products and in delivering outstanding customer service. No other

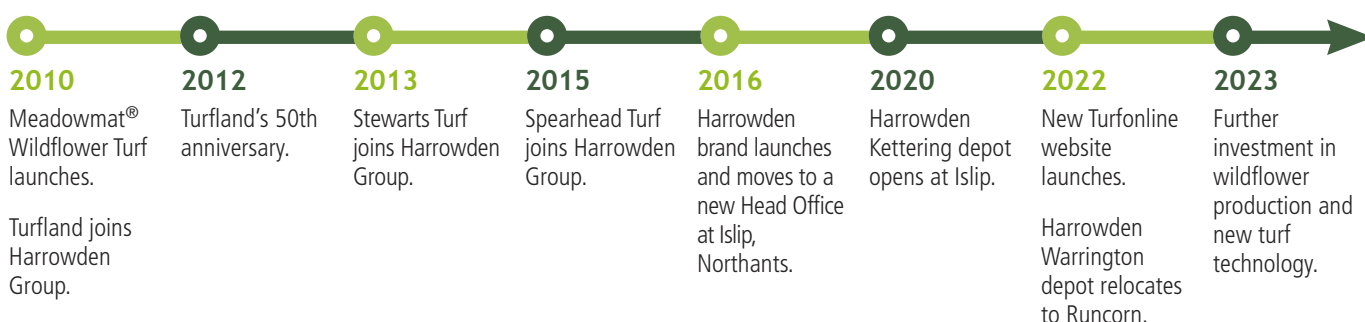
“ Very very good turf. Fresh and green and dry making it easy to put down. Delivered next day. Have bought before and will buy again. ”

K. Lawlor (2023)

turf company has such a broad geographic spread of farm locations. By controlling every aspect of turf production from the time the seed goes into the ground, through the care and maintenance of the growing crop, to the time it is delivered we enjoy a number of advantages over others in the industry.

All of our farms can irrigate during dry spells and supply can be switched between farms if severe weather threatens. As one of the largest turf producers in Europe we can negotiate great prices and demand the highest quality seed, equipment and haulage, passing the benefits on to our customers.

All of this delivers through positive testimonials, strong trade endorsements and the support of quality sector partners like Chelwood, Miracle-Gro, and Fiskars, Kress and Hozelock. We're in this for the long-term building strong relationships and delivering quality every time.





Why Harrowden

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 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 Harrowden'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.

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.





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.



“Amazing delivery service, never seen such good root systems and large plants in a meadow mat before. Amazing! Yet to know how well it will take but very happy with it for now.”

H. Morgan (2023)

“We have trusted Harrowden to provide high quality turf with exceptional service to meet the high demands of our business for a number of years. We would fully recommend Harrowden to our customers and anyone within the landscaping industry.”

*Bryan Patmore, Operations Manager
MBM Landscapes Limited (2024)*



Industry testimonials

“ We have been relying on Harrowden for over 8 years, and their service and turf quality consistently exceed our expectations. The professionalism and commitment of their team have been instrumental in the success of our landscaping projects. Harrowden is not just a supplier but a trusted partner, offering invaluable expertise and collaboration that contributes to our project success. The top-notch turf they consistently deliver enhances the aesthetic appeal and longevity of our green spaces. We appreciate their dedication to excellence and look forward to continued success in our future collaborations. ”

**Jon Austin, Managing Director
PGE Landscaping Ltd.**



“ We have been using Harrowden for a good number of years now and have come to the decision that if you require great relations and products you must try these guys out, the products they supply are always top quality and delivered on time every time with very well-mannered drivers who assist us fantastically, always going the extra mile so we can achieve our tasks. The team at Harrowden are always there for you to ask questions and very helpful, for me there is no other supplier that can assist like Harrowden. Thank you guys for your support over the years and will look forward to having your products delivered to us as normal for the foreseeable future. ”

**Mark Foster, Senior Contracts Manager
Fusion Landscaping and Facilities Ltd.**



“ Milner Landscapes and Construction have worked with Harrowden across many developments throughout the East and West Midlands. From the ordering of turf to arrival of the product on the day to site the process with Harrowden is efficient and well managed. As one of the leading turf installers in the UK, having the product arrive to site on time is key and the transport team within the business provide great support in doing this. I would highly recommend Harrowden to any landscaper in the UK who is looking for a supplier who is both reliable and provides an excellent product to install. ”

**Callum Irvine, Commercial Manager
Milner Landscapes & Contruction Ltd.**



“ As the UK's largest independent supplier of turf in Hertfordshire, Buckinghamshire, Bedfordshire and Northamptonshire, and with a geographical area of 7,000 square miles – George Davies Turf are proudly recognised as 'The Landscaper's Choice'.



We have worked with Harrowden for many years, but in the last 12 months we have forged a relationship that enables us to work exceptionally well together. The knowledge, the soil type and quality of the turf that Harrowden have produced has been in line with the expectations that we at George Davies Turf put on our suppliers. We are delighted to be working more closely together and are incredibly appreciative of the support we received from the team at our BALI demonstration day recently. We look forward to working with Harrowden for many years to come. ”

**George Davies, Company Owner and Director
George Davies Turf**

“ Harrowden have always been there for us, turning around our orders quickly so that we start projects on time and importantly the quality of the turfs are great and we hope to continue to work in partnership with Harrowden, turning outdoor spaces into something special for our customers and communities. ”

**Donna Shepherd BA(Hons),
Director of Corporate & Customer Experience, PFL Group**



“ We have worked with Harrowden for quite a few years now. The customer service is always very good and this is underpinned by an excellent product range including wildflower turf which we are ordering more and more of. Particular thanks are due to the Harrowden team for being able to deal so positively with those inevitable last minute changes which are often foisted on us for reasons outside of our control – it is a pleasure to work with you all. ”

**Bev Rodway, Design and Installation Manager,
Benchmark Grounds Maintenance Ltd.**



“ Jack Moody Group are one of the UK's leading names in the provision of landscaping solutions for local authorities, developers, contractors and domestic clients and we pride ourselves on using the best quality products. Harrowden have been one of our main suppliers for many years, helping us to supply top quality turf solutions for a wide range of clients throughout the UK. Their service, speed and quality of product is key in our decision to make them one of our 'key suppliers'. As well as top quality turf, we also enjoy their Environmat and Meadowmat ranges. ”

**Joe Scott MCIPS, Group Purchasing Manager,
Jack Moody LCE Ltd.**



“ We have used Harrowden for a number of years and have found their customer service and reliability to be excellent. Their product is high quality and any issues, due to weather conditions, are quickly sorted to our satisfaction. A number of our clients have commented on the good quality of turf that we install. ”

**Tim Catton, Managing Director
Westwood Landscape Ltd.**



Compliance and accreditation

Red Tractor

www.redtractor.org.uk

Founded in 2000, Red Tractor is a world-leading food chain assurance scheme that underpins British food & drink production. It is the flagship logo of British food and farming, providing assurance at every stage of the production process, from farm to fork.

Our Red Tractor accreditation ensures science-based, evidence-backed standards for animal welfare, food safety, traceability, and environmental protection. As one of 50,000 British farmers, we influence the purchasing criteria of major supermarkets, brands, and restaurants. The Red Tractor logo guarantees 20 years of world-leading British food excellence.



GRO

www.greenrooforganisation.org

The Green Roof Organisation (GRO) is an independent not-for-profit trade association representing the UK Green, Blue and BioSolar Roofing industries.

As a member Harrowden works with the GRO developing guidance documents and promoting the wider adoption of Green, Blue and BioSolar roofing technologies.

GRO represents manufacturers of waterproofing systems, suppliers of Green/Blue/BioSolar systems and specialist contractors from the roofing and landscape sectors.

Harrowden aims to promote green and blue roofing, reducing carbon emissions, benefiting air and water quality, increasing energy efficiency and supporting biodiversity.



BALI

www.rhs.org.uk

The British Association of Landscape Industries is an industry body which aims to build relationships across the sector; to help members expand their networks and to provide additional support and opportunities for greater learning and understanding.

As an Accredited Member we benefit from belonging to a community of like-minded individuals who share a passion for landscaping and environmental stewardship. The association serves as a platform for networking, allowing members to connect with fellow professionals, industry experts, and potential clients.



TGA

www.turfgrass.co.uk

Formed in 1995, the Turfgrass Growers Association is made up of 24 growers producing up to 70% of the cultivated turf grown in the British Isles.

It lobbies government and water companies; supports landscaping issues across the sector and is at the forefront of raising the standard of cultivated turf supplied to professional and domestic customers.



RHS – Plants for Pollinators

www.rhs.org.uk

Pollinators are in decline. Gardeners and landscapers can help by planting wildflowers that provide forage for a wide variety of pollinating insects.

The Royal Horticultural Society has selected a range of year-round flowering Plants for Pollinators to help tackle the decline in pollinator numbers. The RHS has also launched the Plants for Pollinators logo to encourage gardeners to grow more of them. As a key supplier to both domestic gardeners and the wider horticulture industry we care passionately about our pollinators and believe gardens can play a key role in reversing their decline.



FORS

www.fors-online.org.uk

The Fleet Operator Recognition Scheme is a voluntary accreditation programme designed to improve standards in the road transport industry.

FORS assesses and recognises fleet performance in key areas: environmental impact, safety, and operational efficiency. As an accredited Silver FORS operator, we have chosen to work to improve the standards across our fleet. We have set high standards for safety, efficiency, environmental protection, and overall excellence across our fleet operations.



ISO

www.iso.org

Harrowden has achieved The International Organisation for Standardisation Accreditations; 9001, 14001 and 45001 which reflect the work done within the business – in Customer Service, Accounting and Business Continuity.

ISO 9001 relates to a clearly defined set of business processes and the documentation to support them.

ISO 14001 is a series of standards that relate to environmental management. They are designed to help organisations to minimise their environmental impact; use resources more efficiently; comply with environmental legislation and to improve their environmental performance.

ISO 45001 relates to global standards for Occupational Health & Safety Management Systems that provides a practical solution to improve the safety and health of staff and personnel.



NFRC

www.nfrc.co.uk

Harrowden has recently joined The National Federation of Roofing Contractors to support the growing emphasis on sustainable construction and the impending mandatory requirement for biodiversity net gain.

As one of the leading growers and suppliers of the living components for green roof systems in the UK, Harrowden is ideally positioned to assist roofing contractors, whether they are experienced installers or exploring this area for the first time.

Our range of sedum and wildflower blankets, trays, plug plants, and various substrates allow us to meet a wide array of specifications. Additionally, for contractors venturing into green roofing for the first time, Harrowden can offer accredited CPD Technical Training courses for Sedum Green Roofs and Wildflower Turf.





Transport and collections

Transport

Integral to our operation - safer, smarter and greener

With responsibility for more than 100 vehicles our Transport Team is an integral part of Harrowden Turf. They manage a range of vehicles from tractors to pick-ups, mules to Moffets and all our drivers and operators. The team is also responsible for organising routes and loads for our own trucks and drivers across the country and for the organisation of national customer deliveries through our transport partners and national pallet networks.

With a fleet comprising of 14 DAF trucks Harrowden vehicles can be seen every day on the UK motorway network as well as locally from farm to depot and depot to you. Each of our trucks is equipped with specialist kit - "Moffets" allowing us to self-load and unload quickly and efficiently. We aim to keep our trucks and drivers at the forefront of technology and professionalism. Technically we have invested in the *Cubo system* to keep track of our trucks and your turf. It represents state-of-the-art tracking and updates every 60 seconds meaning better information and greater efficiency.

Using 3D 360-degree cameras and a full CAN bus-controlled fuel smart system we can also monitor driver behaviour, traffic conditions and MPG with idling monitoring and cruise control usage helping to inform our training and support a more efficient fleet and improve safety.

We are FORS (Fleet Operator Recognition Scheme) accredited to Silver level. FORS is a voluntary accreditation scheme that demonstrates high-performance and the commitment to industry-leading best practice.

With a team of 16 – primarily drivers/schedulers and a dedicated Transport Manager the team has also been integral to us achieving our ISO accreditation.

Overall, the business attained ISO 9001, 14001 and 45001 which reflect the work done across key areas of the business including Transport and Customer Service and Compliance.

Collection Depots

Feltwell, Southport, Kettering, Runcorn, Edinburgh

We have depots all over the country that together cover a wide area -

- Scotland,
- East Midlands,
- Norfolk
- North-West & Cheshire.

Our depots are specifically designed to help you pick-up your order rather than have it delivered.

- All our depots have forklifts to help with loading.
- You can also meet some of our team and see more of our product range from pegs to plug plants, turf to topsoil.
- Our turf is harvested fresh every day and delivered to your collection point.
- If you are collecting a turf order, the area for installation should be completely prepared prior to pick up.

If you decide you would prefer to pick up your order the process is very simple. You can either:

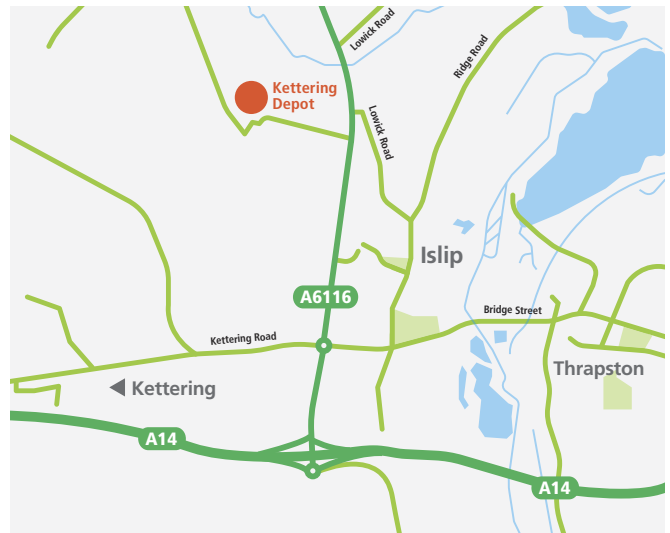
- Call us to place your order.
- Let us know you would like to collect, and from where.
- We will then give you confirmation which details the location and date for you to organise pick-up.

Or: -

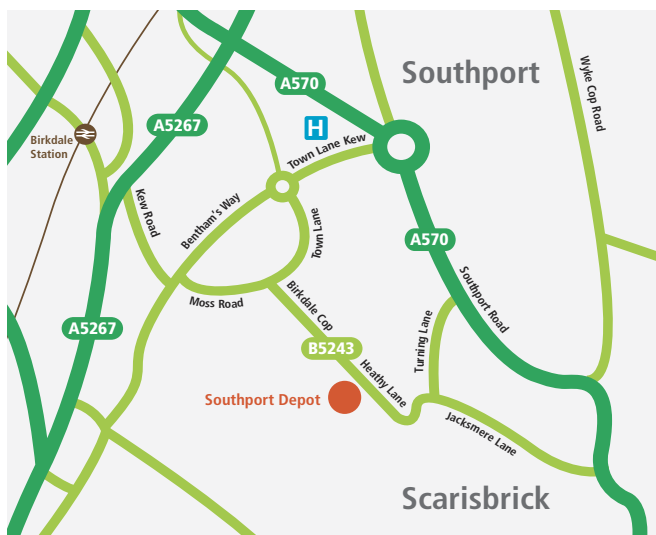
- Place your order via www.turfonline.co.uk
- Choose to "collect"
- Confirm the depot location you will collect from
- We will then give you a confirmation which details the location and date for you to organise pick-up.

Below is a list of our five depot locations from where you can purchase or order most of our products – and they go well beyond our normal turf, wildflower turf, sedum, seed and topsoil. Our depots do work to slightly different hours so depending on your chosen location please make sure you have checked where and when your order will be available.

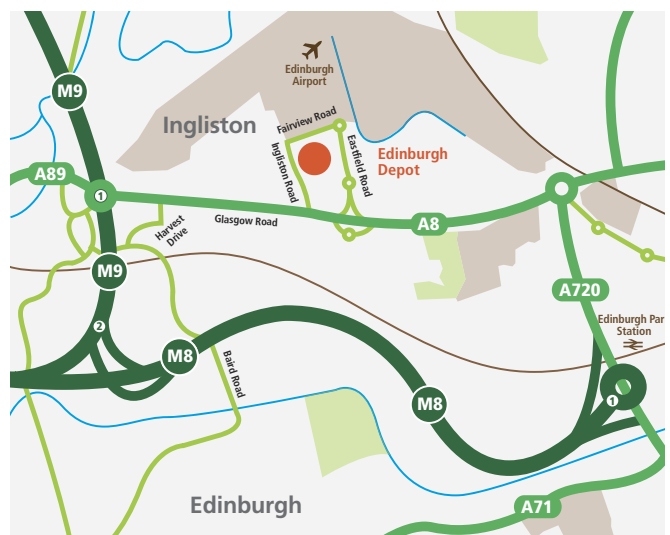
To find out more about your local collection point, give us a call on 01832 777100



Kettering (Northants) /// harmlessly.scores.launched
Colpmans Farm, Islip, Kettering, NN14 3LT



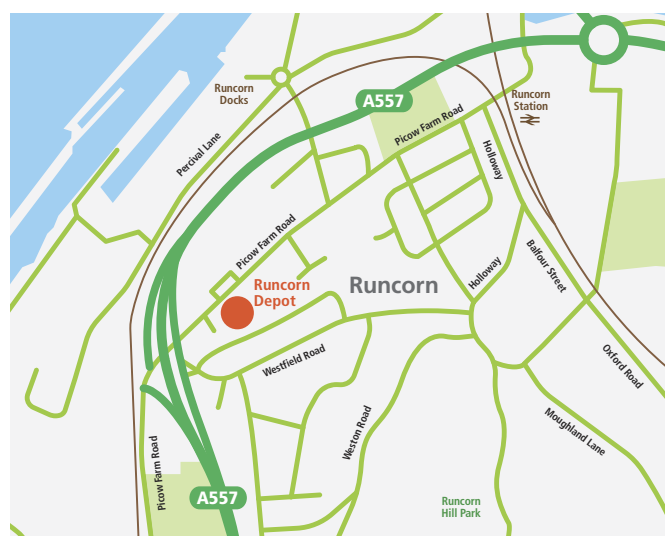
Southport (Lancashire) /// fire.unspoiled.secret
Moss Farm, Heathy Lane, Southport, PR8 5JD



Edinburgh (Scotland) /// beyond.land.plus
11 East Mains Holdings, Edinburgh, EH28 8NB



Feltwell (Norfolk) /// tinted.spellings.hotdog
Corkway Drove, Hockwold cum Wilton, Thetford, IP26 4JR



Runcorn (Cheshire) /// looked.stud.exit
Picow Farm Road, Runcorn WA7 4UN



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. Our products are 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 strict quality standards. Our turf is grown responsibly; we have adopted lower levels of chemical and fertiliser use, and it is plastic-free. 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 Harrowden each load is harvested to order. Total peace of mind.

Selecting the right turf

To make your choice easier we offer three types of turf. Our Premium Lawn Turf, our all-purpose turf; our shade-specific turf – Shadesman⁺ and Species Rich – perfect for creating for an informal lawn that is beautiful and pollinator-friendly.

Premium Turf 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 and Chewing's Fescue.

Grown on premium quality soils from carefully chosen grass seed species, Premium Lawn Turf has a dense, dark green sward that will flatter any garden design from contemporary to cottage-style.

Our unique blend of cultivars have been carefully chosen for their year-round greenness, resistance to disease and visual merit. By selecting seed cultivars that score highly in each area, we ensure a well-balanced and all-round premium turf. We use modern Tetraploid Ryegrass which helps create a future-proof turf – suitable for a range of applications and capable of coping with changing climate conditions.

Premium Turf is strong enough to handle the harsh weather too, meaning that you can rely on your turf in the cold winter months. We strongly recommend using a pre-turfing fertiliser when installing Premium Turf.

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.



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

Hardwearing, slow-growing and shade-tolerant, Shadesman+ turf is the ideal groundcover for gardens where trees, fences or buildings cast their shadows for part of the day.

Shadesman+ is the result of decades of careful seed selection and plant breeding – it has been refined, improved and domesticated to become a well behaved and beautiful lawn grass.

Shadesman+ turf looks and feels just like a normal lawn but won't lose its colour or its vigour in low light conditions.

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

The result is a multi-coloured carpet of plants just right for relaxing or playing on. Meadowmat® Species Rich only needs mowing every other week. But it won't grow more than ankle height. It's specially designed for a relaxed maintenance regime.

The specially selected grasses ensure full coverage all year round – even in winter. In summer, Meadowmat® Species Rich will keep its colour for longer than a standard grass lawn and will recover from drought much quicker.

Install Meadowmat® Species Rich just like standard lawn turf. It needs to be laid onto prepared soil. Species Rich can tolerate slightly more nutrient rich soils. Then, please keep your new lawn watered until the roots are well established.

“Top quality turf, very green and cut well. My landscaper is going to recommend it to all his customers. Delivery was prompt, and the driver was very helpful, and located pallets where we asked him.”

G. Woods (2023)



Specifications: Premium Turf

Premium Turf grown to BS3969

■ Product Order Code	Turf-S6
■ 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")
■ Large Format Rolls	10m ² or 20m ² are available on request. Laying equipment for large format rolls is available to hire.

All measurements are approximate and taken when harvested.

■ Growth

Harrowden Premium Turf is grown for approximately 12 months produced using no plastic netting. The inclusion of the decade's most significant progress in Perennial ryegrass breeding, Tetraploid Ryegrass brings new levels of stress resistance as well as excellent summer and winter greenness. 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. Harrowden Premium 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 30% Slender Creeping Red Fescue 40% Strong Creeping Red Fescue 10% Chewing's Fescue
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■ Soil Classification	Grown on free draining DEFRA classified grade 1 mineral sand or organic loams.
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Attractive and easy to maintain, our Premium Turf contains a carefully blended mix of fine-leaved Perennial Ryegrass, Slender Creeping Red Fescue, Strong Creeping Red Fescue and Chewing's Fescue.

Features: Premium 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.

Outstanding tolerance to Fusarium, Red Thread and Dollar Spot.

Compatible with most growing mediums found throughout the UK.

Ideal for:

**High quality
landscape areas**

Commercial landscaping

Domestic lawns

Golf tees

**Hardwearing amenity
sports areas**

Urban areas

What's in our Premium lawn*

20% Perennial Ryegrass

30% Slender Creeping Red Fescue

40% Strong Creeping Red Fescue

10% Chewing's Fescue

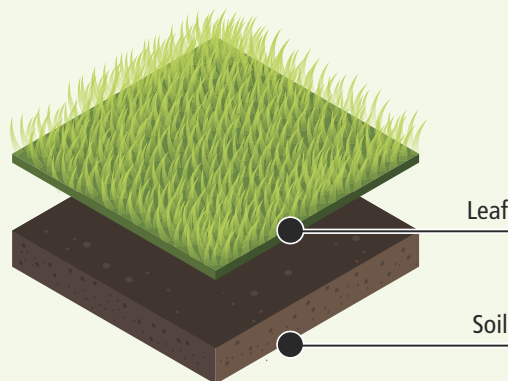
**As sown. The actual percentage of each species contained may vary due to environmental factors. Harrowden Turf makes every effort to ensure the presence of Poa Annua is kept to a minimum, however we cannot guarantee that any turf is Poa annua free on delivery, either post or pre-emergent.*



100% Grasses



Plastic Free



Specifications:

Shadesman+ Turf

■ Product Order Code	TURF-S8
■ 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	Harrowden Shadesman+ Turf 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. Harrowden Shadesman+ 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*	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*

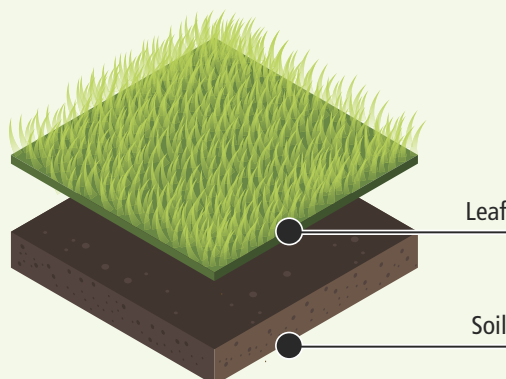
**As sown. The actual percentage of each species contained may vary due to environmental factors. Harrowden makes every effort to ensure the presence of Poa Annua is kept to a minimum, however we cannot guarantee that any turf is Poa Annua free on delivery, either post or pre-emergent.*



100% Grasses



Plastic Free



Specifications: Species Rich Turf

■ Product Order Code	MEAD-SR
■ Standard Size	0.5m ² Slabs 500mm wide (19.6") 1000mm long (39.3")
Also available	1.0m ² Rolls 500mm wide (19.6") 2000mm long (78.7")
Soil Thickness	15mm to 25mm (0.59" to 0.98")
Weight per m²	18kg – saturated weight may be up to 22kg
Grass height on despatch	Approx. 40mm (1.5")

All measurements are approximate and taken when harvested.

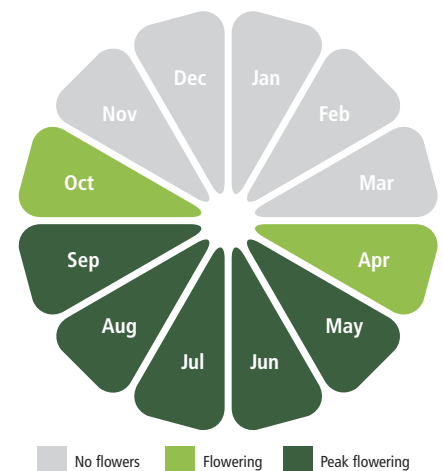
■ Growth	Harrowden Species Rich Lawn Turf is a blend of 12 slow-growing grasses and 23 native wildflowers. The specially selected grasses ensure full coverage all year round. Harrowden Species Rich Lawn Turf will contain mature plants, root fibre and enough soil to maintain the plant during establishment.
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■ Typical Seed Mixture*	80% Slow Growing Grasses 20% Native Wildflowers
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■ Soil Classification	Grown on free draining DEFRA classified grade 1 mineral sand or organic loams.
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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



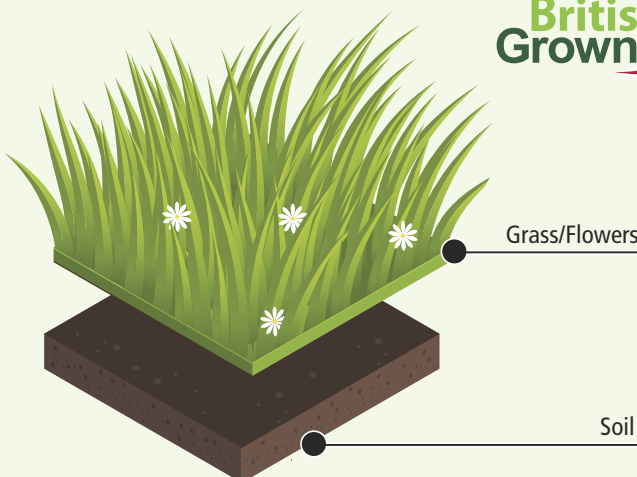
**80% Grasses
20% Flowers**



Slow Growing Grasses



Native Wildflowers



**As sown. The actual percentage of each species contained may vary due to environmental factors. Harrowden 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



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 eight 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 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 outdoors 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

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

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 slabs 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.

“ Good quality mat, looks like there are plenty of flowers on it (can't wait until the spring to see). Delivery was on time and courteous.”

J. Carter (2023)



Meadowmat® exhibition display for a multinational technology company.

PHOTO: PRESENTATION DESIGN SERVICES

Meadowmat®

Flowering Times

TRADITIONAL MEADOWMAT®

SPECIES	FLOWERING TIME											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
AUTUMN HAWKBIT												
BIRDSFOOT TREFOIL												
BLADDER CAMPION												
BETONY												
CATSEAR												
COMMON KNAPWEED												
COMMON SORREL												
COMMON ST JOHNS 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												
WILD CARROT												
WILD MARJORAM												
WHITE CAMPION												
YARROW												

SPECIES RICH TURF

SPECIES	FLOWERING TIME											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
AUTUMN HAWKBIT												
BIRDSFOOT TREFOIL												
BLACK MEDICK												
CAT'S EAR												
COMMON DANDELION												
COMMON KNAPWEED												
COMMON MOUSE-EAR												
COMMON SORREL												
COWSLIP												
CREeping BUTTERCUP												
FLAX												
LADY'S BEDSTRAW												
MEADOW BUTTERCUP												
RED CLOVER												
RIBWORT PLANTAIN												
ROUGH HAWKBIT												
SELFHEAL												
SMALL SCABIOUS												
WHITE CLOVER												
WILD CARROT												
WOOD SAGE												
YARROW												
YELLOW RATTLE												

WOODLAND SHADE MEADOWMAT®

SPECIES	FLOWERING TIME											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
AUTUMN HAWKBIT												
BETONY												
BIRDSFOOT TREFOIL												
CATSEAR												
COMMON KNAPWEED												
COMMON SORREL												
COMMON TOADFLAX												
COMMON VETCH												
COWSLIP												
DAME'S VIOLET												
FIELD SCABIOUS												
KIDNEY VETCH												
LADY'S BEDSTRAW												
MEADOW BUTTERCUP												
MEADOW CRANESBILL												
MEADOWSWEET												
MEADOW VETCHLING												
MUSK MALLOW												
OXEYE DAISY												
PEPPER SAXIFRAGE												
PRIMROSE												
PURPLE LOOSESTRIFE												
RAGGED ROBIN												
RED CAMPION												
RIBWORT PLANTAIN												
ROUGH HAWKBIT												
SALAD BURNET												
SAINFOIN												
SELFHEAL												
TUFTED VETCH												
WHITE CAMPION												
WILD CARROT												
WILD MARJORAM												
WILD MIGNONETTE												
WOOD SAGE												
YELLOW OATGRASS												
YELLOW RATTLE												

HERITAGE MEADOWMAT®

SPECIES	FLOWERING TIME											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
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												
VIPERS BUGLOSS												
WATER AVENS												
WILD THYME												
YARROW												
YELLOW RATTLE												

BIRDS & BEES MEADOWMAT®

SPECIES	FLOWERING TIME											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
AGRIMONY												
AUTUMN HAWKBIT												
BIRDSFOOT TREFOIL												
BLADDER CAMPION												
CHICORY												
CLUSTERED BELLFLOWER												
COLUMBINE												
COMMON DAISY												
COMMON KNAPWEED												
COMMON MALLOW												
COMMON SORREL												
COMMON TOADFLAX												
CORNFLOWER												
FENNEL												
FIELD POPPY												
FOX AND CUBS												
FOXGLOVE												
GRANDMOTHER'S GARDEN												
HAREBELL												
KNAPWEED												
MAIDEN PINK												
MEADOW BUTTERCUP												
MEADOW CRANESBILL												
MUSK MALLOW												
PURPLE LOOSTRIFE												
RAGGED ROBIN												
RED CAMPION												
RED CLOVER												
SHEEP'S-BIT												
SHEEP'S BIT SCABIOUS												
SMALL SCABIOUS												
SWEET VIOLET												
TANSY												
TEASEL												
VIPERS BUGLOSS												
WILD BASIL												
WILD CLARY												
WILD CARROT												
WILD MARJORAM												
WILD THYME												
WHITE CAMPION												
WHITE CLOVER												
WILD PANSY												
YARROW												

BIRDS & BEES FLL

SPECIES	FLOWERING TIME											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
AGRIMONY												
AUTUMN HAWKBIT												
BIRDSFOOT TREFOIL												
BLADDER CAMPION												
CHICORY												
CLUSTERED BELLFLOWER												
COLUMBINE												
COMMON DAISY												
COMMON KNAPWEED												
COMMON MALLOW												
COMMON SORREL												
COMMON TOADFLAX												
CORNFLOWER												
FENNEL												
FIELD POPPY												
FOX AND CUBS												
FOXGLOVE												
GRANDMOTHER'S GARDEN												
HAREBELL												
KNAPWEED												
MAIDEN PINK												
MEADOW BUTTERCUP												
MEADOW CRANESBILL												
MUSK MALLOW												
NETTLE-LEAVED BELLFLOWER												
NORTHERN LIGHTS												
OXEYE DAISY												
PEPPER SAXIFRAGE												
PRIMROSE												
PURPLE LOOSTRIFE												
RAGGED ROBIN												
RED CAMPION												
RED CLOVER												
SHEEP'S-BIT												
SHEEP'S BIT SCABIOUS												
SMALL SCABIOUS												
SWEET VIOLET												
TANSY												
TEASEL												
VIPERS BUGLOSS												
WILD BASIL												
WILD CLARY												
WILD CARROT												
WILD MARJORAM												
WILD THYME												
WHITE CAMPION												
WHITE CLOVER												
WILD PANSY												
YARROW												

COTTAGE GARDEN MEADOWMAT®

SPECIES	FLOWERING TIME											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
ACHILLEA 'CERISE QUEEN'												
BELLFLOWER												
BIRDSFOOT TREFOIL												
BLADDER CAMPION												
COLUMBINE												
COMMON KNAPWEED												
COMMON MALLOW												
CORN CHAMOMILE												
CORNFLOWER												
COSMOS ALBATROS												
COSMOS GLORIA												
ERIGERON 'PROFUSION'												
FIELD SCABIOUS												
KNAUTIA MACEDONIA 'MELTON PASTELS'												
LEUCANTHEUM 'WHITE BREEZE'												
LINARIA NORTHERN LIGHTS												
MEADOW SAXIFRAGE												
NETTLE LEAVED BELLFLOWER												
RAGGED ROBIN												
RED CAMPION												
RIBWORT PLANTAIN												
ROSE CAMPION												
SWEET VIOLET												
THRIFT												
TUFTED VETCH												
VIPERS BUGLOSS												
WHITE CAMPION												
WILD THYME												
VERVAIN												
YARROW												
YELLOW HORNED POPPY												

SUDS MEADOWMAT®

SPECIES	FLOWERING TIME											
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
AUTUMN HAWKBIT												
BIRDSFOOT TREFOIL												
BLADDER CAMPION												
BETONY												
CATSEAR												
COMMON KNAPWEED												
COMMON SORREL												
COMMON ST JOHNS 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												
WILD CARROT												
WILD MARJORAM												
WHITE CAMPION												
YARROW												

Flowering times vary according to weather conditions, microclimate, plant species present, and time of installation.

For guaranteed summer flowers, install before the end of March. This allows plants to settle their roots and grow flowering stems.

Specifications:

Traditional Meadowmat®

■ Product Order Code	MEAD-ORIGINAL
■ Standard Size	0.5m² Slabs 500mm wide (19.6") 1000mm long (39.3")
Also available	1.0m² Rolls 500mm wide (19.6") 2000mm long (78.7")
Soil Thickness	20mm (0.78")
Weight per m²	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.

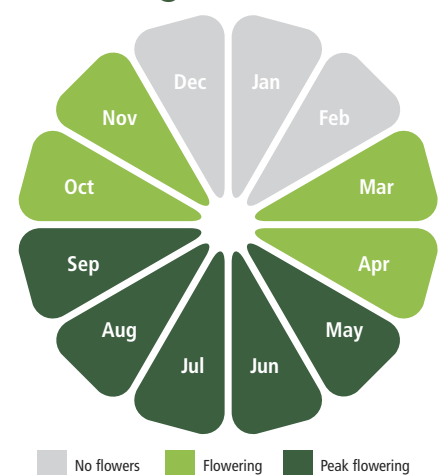
■ Growth	Harrowden Traditional Meadowmat® is a blend of 3 slow-growing grasses and 31 native wildflowers typically found in an old fashioned hay meadow. Many of the species are perennial which means they will flower every year if the conditions are suitable. The specially selected grasses ensure coverage all year round. Harrowden Traditional Meadowmat® will contain mature plants, root fibre and enough soil to maintain the plant during establishment.
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■ Typical Seed Mixture*	20% Slow Growing Grasses 80% Native Wildflowers
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■ Soil Classification	Grown on a sandy loam and compost based substrate
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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



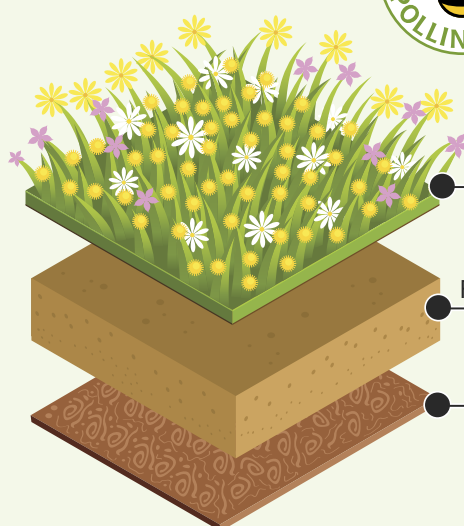
**20% Grasses
80% Flowers**



Slow Growing Grasses



Native Wildflowers



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. Harrowden 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®

■ Product Order Code	MEAD-BB
■ Standard Size	0.5m² Slabs 500mm wide (19.6") 1000mm long (39.3")
Also available	1.0m² Rolls 500mm wide (19.6") 2000mm long (78.7")
Soil Thickness	20mm (0.78")
Weight per m²	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.

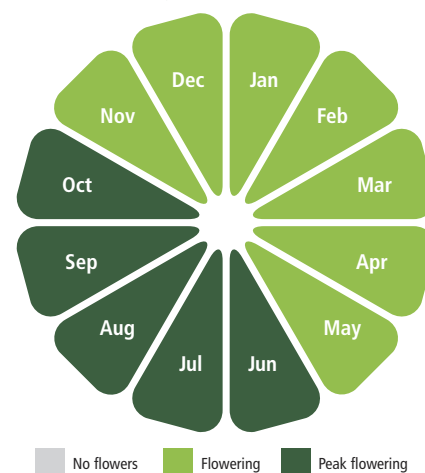
■ Growth	<p>Harrowden Birds & Bees Meadowmat® is a blend of 4 slow growing grasses and 41 native wildflowers specially selected to be pollinator friendly. Many of the species are perennial which means they will flower every year if the conditions are suitable. The specially selected grasses ensure coverage all year round. Harrowden Birds & Bees Meadowmat® will contain mature plants, root fibre and enough soil to maintain the plant during establishment.</p>
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■ Typical Seed Mixture*	<p>10% Slow Growing Grasses 90% Native Wildflowers</p>
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■ Soil Classification	Grown on a sandy loam and compost based substrate
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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 | ● Meadow Cranes-Bill |
| ● Sheep's Fescue | ● Musk Mallow |
| ● Quaking Grass | ● Purple Loosestrife |
| ● Meadow Barley | ● Ragged Robin |
| | ● Red Campion |
| | ● Red Clover |
| ● Agrimony | ● Sheep's Bit |
| ● Autumn Hawkbit | ● Small Scabious |
| ● Birdsfoot Trefoil | ● Tansy |
| ● Bladder Campion | ● Teasel |
| ● Chicory | ● Viper's Bugloss |
| ● Clustered Bellflower | ● White Campion |
| ● Columbine | ● White Clover |
| ● Common Mallow | ● Wild Basil |
| ● Common Sorrel | ● Wild Carrot |
| ● Common Toadflax | ● Wild Clary |
| ● Cornflower | ● Wild Marjoram |
| ● Daisy | ● Wild Pansy |
| ● Fennel | ● Wild Thyme |
| ● Field Poppy | ● Yarrow |
| ● Fox And Cubs | |
| ● Foxglove | |
| ● Grandmother's Garden | |
| ● Greater Knapweed | |
| ● Harebell | |
| ● Maiden Pink | |
| ● Meadow Buttercup | |



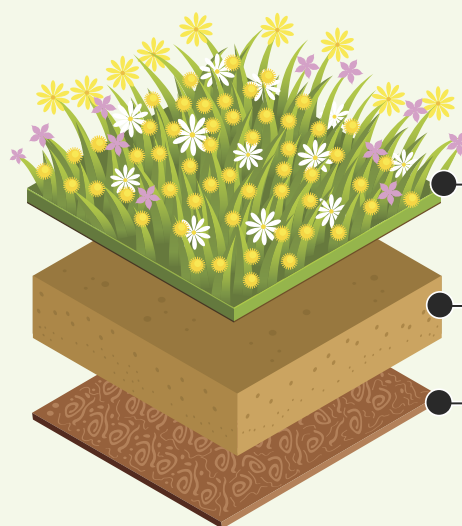
**10% Grasses
90% Flowers**



Slow-Growing Grasses



Native Wildflowers



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. Harrowden 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®

■ Product Order Code	MEAD-WOODLAND
■ Standard Size	0.5m² Slabs 500mm wide (19.6") 1000mm long (39.3")
Also available	1.0m² Rolls 500mm wide (19.6") 2000mm long (78.7")
Soil Thickness	20mm (0.78")
Weight per m²	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.

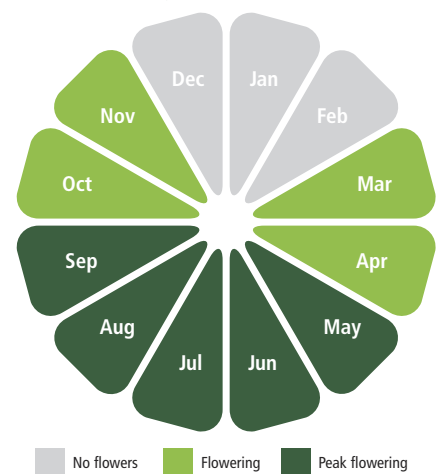
■ Growth	Harrowden Woodland Shade Meadowmat® is a blend of 3 slow-growing grasses and 35 native wildflowers many of which could be found growing in woodland and hedgerows. All but one of the species are perennial which means they will flower every year if the conditions are suitable. The specially selected grasses ensure coverage all year round. Harrowden 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
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■ Soil Classification	Grown on a sandy loam and compost based substrate
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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 | ● Ribwort Plantain |
| ● Sheep's Fescue | ● Rough Hawkbit |
| ● Yellow Oatgrass | ● Salad Burnet |
| | ● Sanfoin |
| ● Autumn Hawkbit | ● Selfheal |
| ● Betony | ● Tufted Vetch |
| ● Birdsfoot Trefoil | ● White Campion |
| ● Catsear | ● Wild Carrot |
| ● Common Knapweed | ● Wild Marjoram |
| ● Common Sorrel | ● Wild Mignonette |
| ● Common Toadflax | ● Wood Sage |
| ● Common Vetch | ● Yellow Rattle |
| ● 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 | |



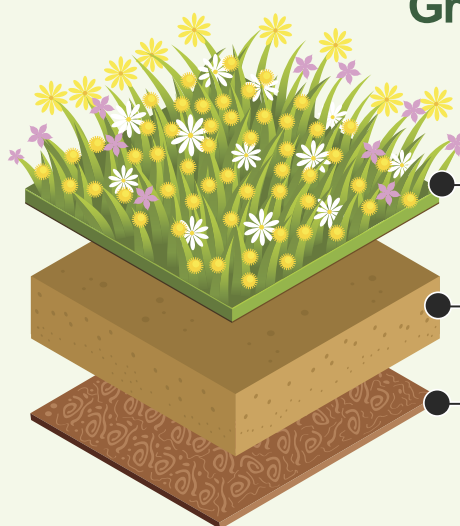
30% Grasses
70% Flowers



Native Grasses



Native Wildflowers



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. Harrowden 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®

■ Product Order Code	MEAD-COTTAGE
■ Standard Size	0.5m² Slabs 500mm wide (19.6") 1000mm long (39.3")
Also available	1.0m² Rolls 500mm wide (19.6") 2000mm long (78.7")
Soil Thickness	20mm (0.78")
Weight per m²	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.

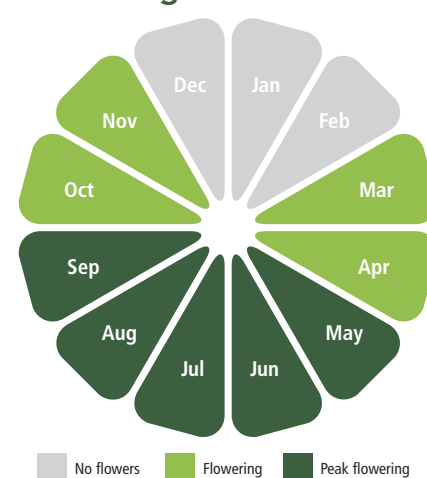
■ Growth	Harrowden Cottage Garden Meadowmat® is a blend of 2 slow-growing grasses and 30 native wildflowers many of which could be found in an old fashioned English garden. Most of the species are perennial which means they will flower every year if the conditions are suitable. The specially selected grasses ensure coverage all year round. Harrowden Cottage Garden Meadowmat® will contain mature plants, root fibre and enough soil to maintain the plants during establishment.
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■ Typical Seed Mixture*	5% Native Grasses 95% Native Wildflowers
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■ Soil Classification	Grown on a sandy loam and compost based substrate.
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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



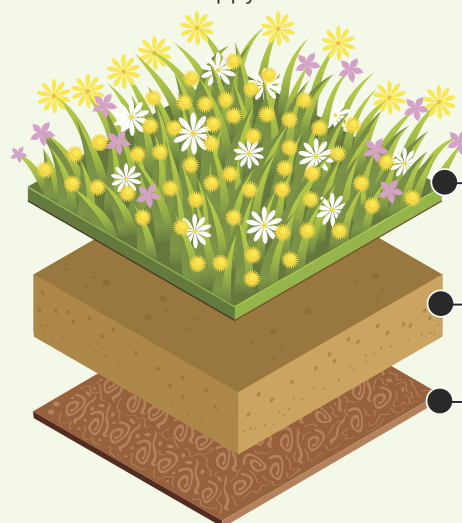
5% Grasses
95% Flowers



Native Grasses



Native Wildflowers



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. Harrowden 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®

■ Product Order Code	MEAD-ROOF
■ Standard Size	0.5m² Slabs 500mm wide (19.6") 1000mm long (39.3")
Also available	1.0m² Rolls 500mm wide (19.6") 2000mm long (78.7")
Soil Thickness	20mm (0.78")
Weight per m²	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.

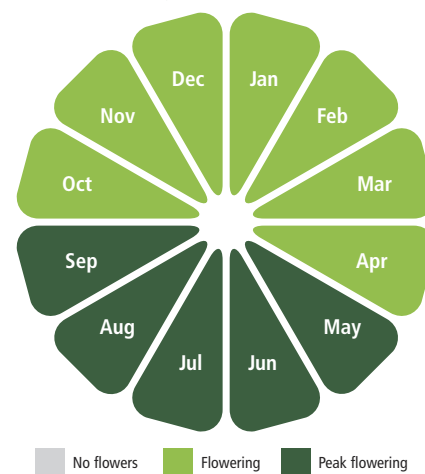
All measurements are approximate and taken when harvested.

■ Growth	<p>Harrowden 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 year-round coverage. Harrowden Heritage Meadowmat® was originally designed as a quick-to-install green roofing material but is just as happy when installed on the ground. Harrowden Heritage Meadowmat® will contain mature plants, root fibre and enough soil to maintain the plants during establishment.</p>
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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

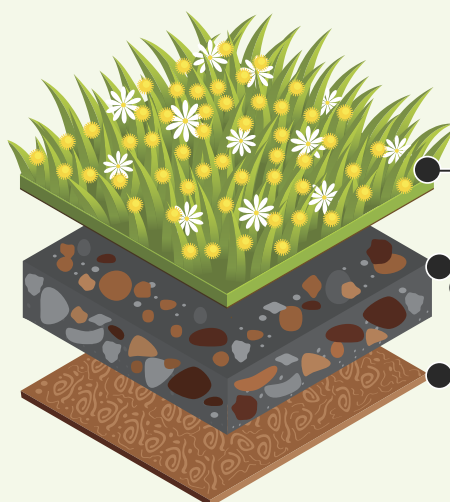
- Birdsfoot Trefoil
- Bladder Campion
- Clustered Bellflower
- Common Poppy
- Cornflower
- Daisy
- Fox And Cubs
- Lady's Bedstraw
- Maiden Pink
- Meadow Saxifrage
- Ragged Robin
- Sea Campion
- Selfheal
- Sheep's Bit
- Soapwort
- Thrift
- Viper's Bugloss
- Water Avens
- Wild Thyme
- Yarrow
- Yellow Rattle



 **10% Grasses
90% Flowers**

 **Native Grasses**

 **Native Wildflowers**



Grass/Flowers

FLL Compliant Substrate
Compost, Brick Dust, Brick, LECA

100% Coir fibre
which is biodegradable

**As sown. The actual percentage of each species contained may vary due to environmental factors. Harrowden 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:

SuDS Meadowmat®

■ Product Order Code	MEAD-SUDS
■ Standard Size	0.5m² Slabs 500mm wide (19.6") 1000mm long (39.3")
Also available	1.0m² Rolls 500mm wide (19.6") 2000mm long (78.7")
Soil Thickness	20mm (0.78")
Weight per m²	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.

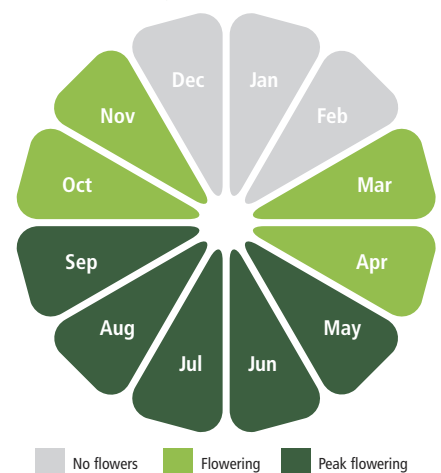
All measurements are approximate and taken when harvested.

■ Growth	<p>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.</p>
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■ 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



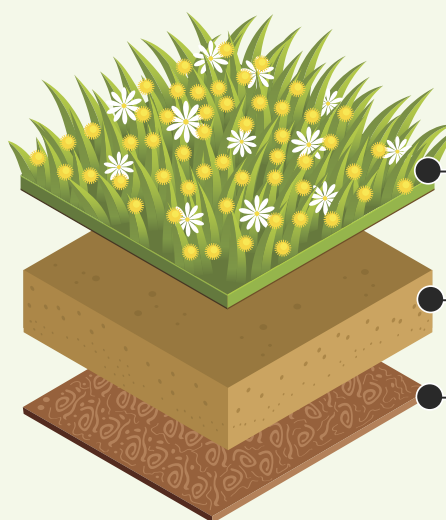
**50% Grasses
50% Flowers**



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. Harrowden 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



“Excellent rolls, easily laid and which very quickly began to look like a proper carpet.”

M.Sherwin (2023)

A low maintenance planting solution for green roofs & groundcover

At Harrowden, we began growing sedum blankets over 25 years ago. Since then, we have continued to develop new products and in 2018 we launched HS150, our Extensive Sedum Green Roof Blanket.

Sedum matting was developed in the 1960s for use on commercial roofs. It is now more popular than ever. This is undoubtedly due to the rising awareness of living ecologically and global sustainability. Green roofs 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 hostile environment on top of a roof. Sedum flowers appear in summer and are nectar rich. They are particularly attractive to butterflies, but all pollinating insects will benefit. In winter our sedum species keep their leaves which turn a lovely shade of red.

Our original Enviromat® Sedum Mat is grown on a geotextile mat that is perfect for lightweight retrofit solutions on flat roofs and timber garden buildings. As sedum roofs have become more popular many new buildings have been designed with a green roof in mind. This has led us to develop 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 easier and quicker than planting the equivalent number of plug plants – and, because our mats have at least 95% plant coverage, there's no waiting for the plants to grow big enough to fill in the gaps.

Peat Free





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 – HS150 sedum matting was first developed for the green roofing industry but its 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

■ Product Order Code	ENV-STANDARD
■ Kit Version Codes	ENV-PITCHED ROOF, ENV-FLAT ROOF
■ Standard Size	1m ² 1000mm wide (39.4") 1000mm long (39.4")
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.

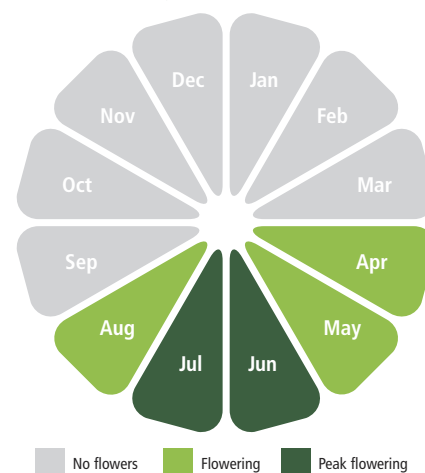
All measurements are approximate and taken when harvested.

■ Growth	Enviromat® is a mix of up to 18 drought loving succulents integrated into an easy to handle 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 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:

A true lightweight green roof solution.

Retrofitting to existing flat and pitched roofs.

Ground cover.

Commercial landscaping.

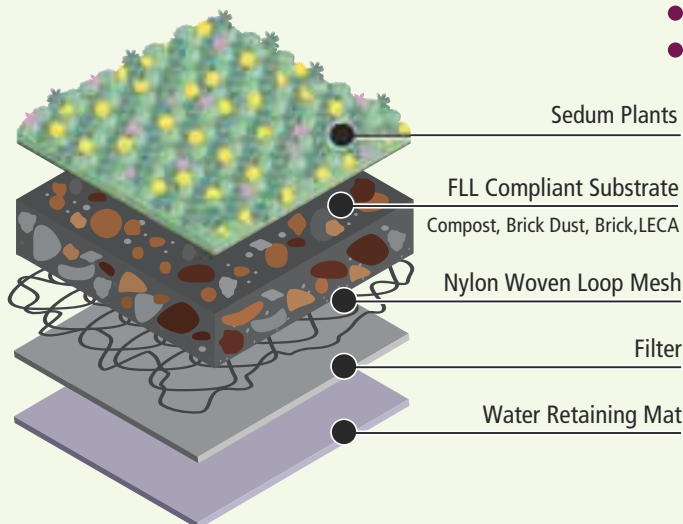
Urban areas and parks.

Domestic gardens.

Sunny areas where other plants may struggle to survive.

What's in our Enviromat® Sedum Mat

- 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

Peat Free

As sown. The actual percentage of each species contained may vary due to environmental factors. Harrowden 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

■ Product Order Code	ENV-HS150
■ Standard Size	0.5m ² Slabs 500mm wide (19.6") 1000mm long (39.3")
Also available	1.0m ² Rolls 500mm wide (19.6") 2000mm long (78.7")
Substrate Thickness	20mm (0.78")
Weight per m²	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.

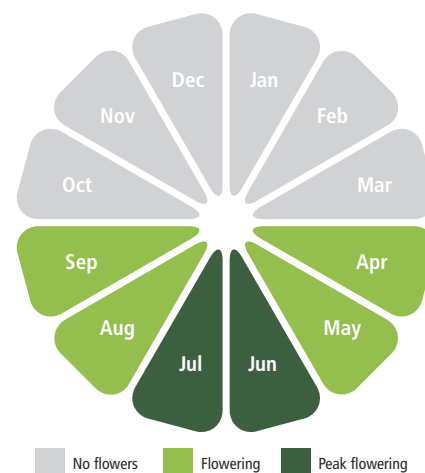
All measurements are approximate and taken when harvested.

■ Growth	<p>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.</p>
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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:

Ground cover

Biodiverse landscaping schemes

Banks and sloped areas up to 65 degrees

Green roof systems

Around ponds

Low maintenance areas

Commercial landscaping

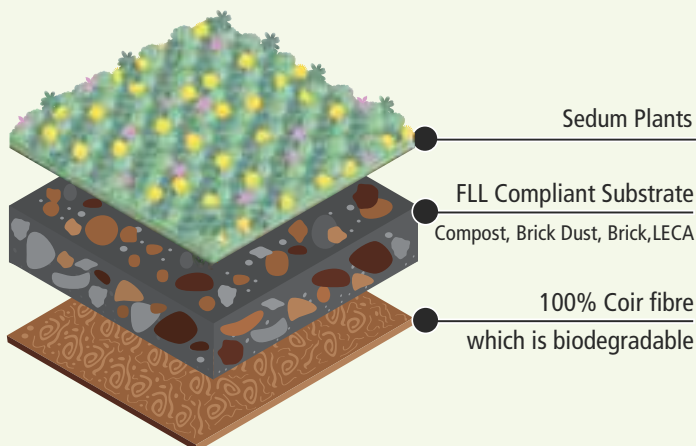
Urban areas and parks

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 granulate)



100% Sedum

Peat Free

As sown. The actual percentage of each species contained may vary due to environmental factors. Harrowden 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.

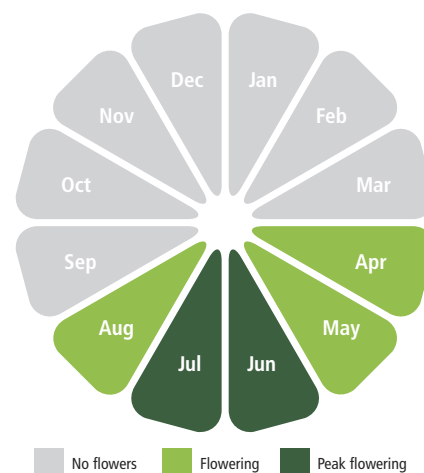
Specifications:

Enviromat® Pitched Roof Kit

■ Product Order Code	ENV-PITCHED ROOF
■ Kit Components	Enviromat® Sedum Mat - ENV-STANDARD Polythene Root Barrier - ENV-POLYTHENE <i>Also available separately</i>
■ Standard Size	1m ² 1000mm wide (39.4") 1000mm long (39.4")
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/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.
<i>All measurements are approximate and taken when harvested.</i>	
■ Growth	Enviromat® is a mix of 18 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 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.

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:

A true lightweight green roof solution.

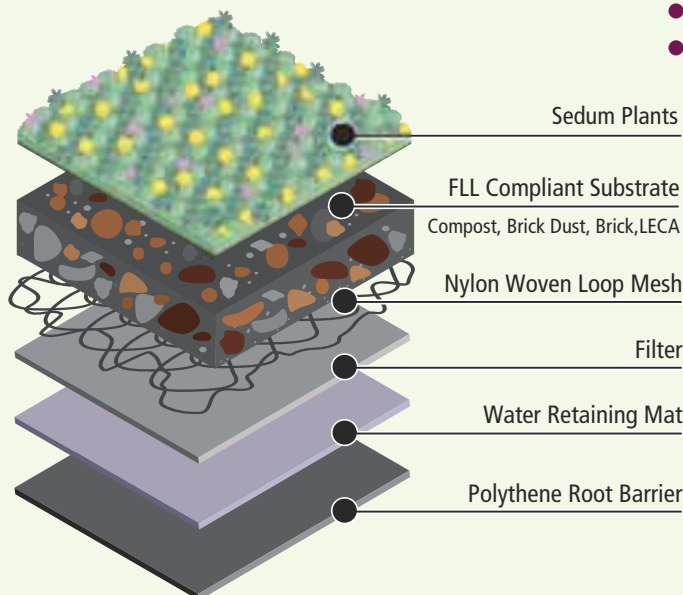
Sloped roofs with a pitch of between 3° and 20°. Pitches of more than 10° will require irrigation or regular watering.

Requires a smooth non-corrugated surface.

Ground installation on sloped solid surfaces.

What's in our Enviromat® Pitched Roof Kit

- 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

Peat Free

As sown. The actual percentage of each species contained may vary due to environmental factors. Harrowden 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.

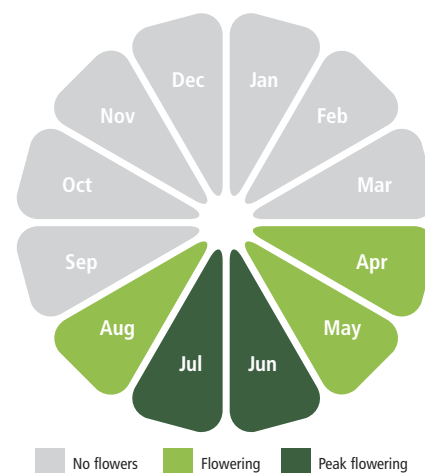
Specifications:

Enviromat® Flat Roof Kit

■ Product Order Code	ENV-FLAT ROOF
■ Kit Components	Enviromat® Sedum Mat - ENV-STANDARD Enviromat® Drainage Mat - ENV-DRAINAGE MAT Polythene Root Barrier - ENV-POLYTHENE <i>Also available separately</i>
■ Standard Size	1m ² 1000mm wide (39.4") 1000mm long (39.4")
Overall Thickness of Kit	50mm (1.97")
Sedum Roll Weight	25kg – saturated weight may be up to 44kg
Roof Loading Requirement	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.
<i>All measurements are approximate and taken when harvested.</i>	
■ Growth	Enviromat® is a mix of 18 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 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® Flat Roof 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.

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:

A true lightweight green roof solution.

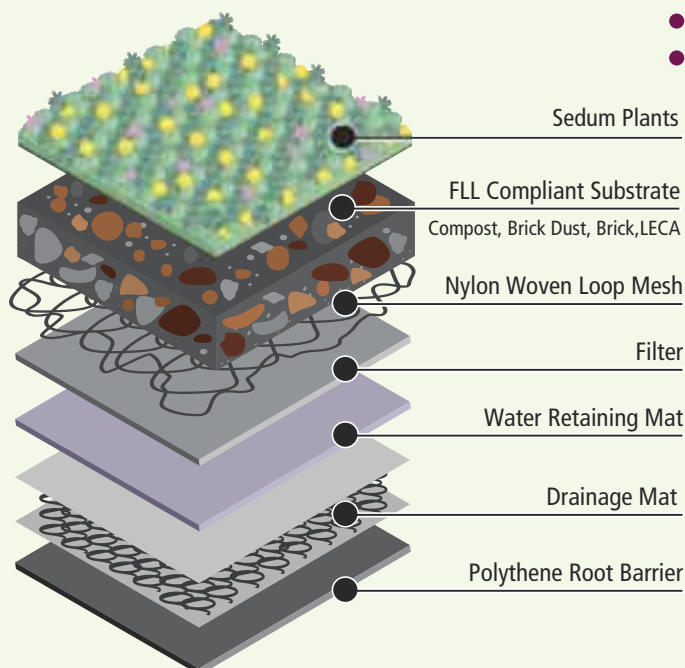
Flat roofs with a pitch of less than 3°.

Requires a smooth non-corrugated surface.

Ground installation on flat level solid surfaces.

What's in our Enviromat® Flat Roof Kit

- 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

Peat Free

As sown. The actual percentage of each species contained may vary due to environmental factors. Harrowden 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

■ Product Order Code	ENV-HS150 GROUND KIT
■ Kit Components	Sedum Mat HS150 - ENV-HS150 Water Retention Mat - ENV-WRM <i>Also available separately</i>
■ Standard Size	0.5m ² Slabs 500mm wide (19.6") 1000mm long (39.3")
Also available	1.0m ² Rolls 500mm wide (19.6") 2000mm long (78.7")
Substrate Thickness	20mm (0.78")
Weight per m²	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.

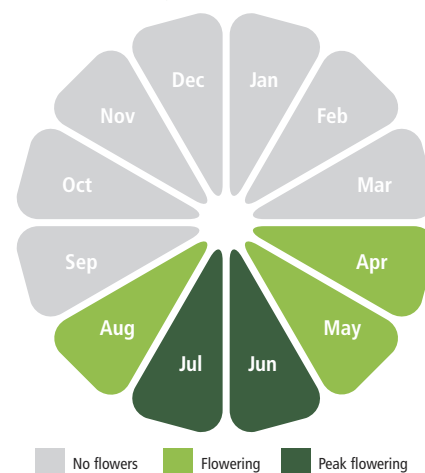
All measurements are approximate and taken when harvested.

■ Growth	Harrowden Sedum Ground Mat Kit is a mix of 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 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 water retention mat to ensure invasive weeds are kept at bay and also provides additional water storage during dry periods. Harrowden Ground Mat Kit will contain mature plants with at least 90% 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

HS150 can be used as a bee-friendly alternative to a grass lawn. Ideal in places where maintenance is difficult like 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

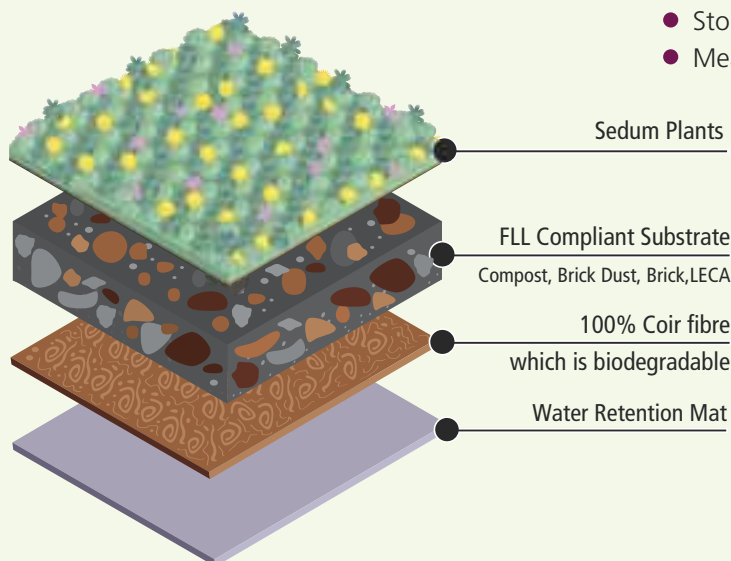
Domestic gardens

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 granulate)



100% Sedum

As sown. The actual percentage of each species contained may vary due to environmental factors. Harrowden 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.

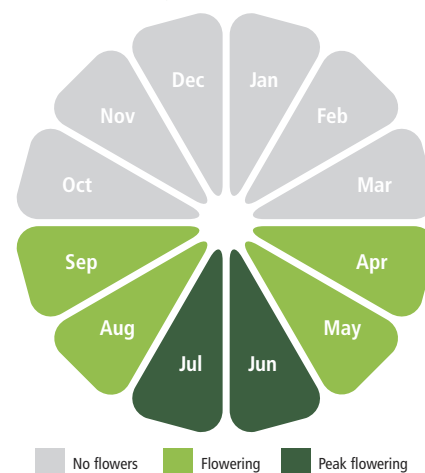
Specifications:

Lightweight Sedum Trays

- **Product Order Code** ENV-TRAYSMALL
- **Standard Size** 0.22m² - 4.5 trays required per square metre
460mm wide (18.1")
495mm long (19.4")
80mm deep 10mm to 15mm (3.1")
- Weight** 10kg – saturated weight may be up to 12kg
- Vegetation height** Vegetation height on despatch is approx. 40mm (1.5") 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.
- **Growth** Harrowden Lightweight Sedum Tray contains a blend of 16 drought loving plants. The sedum species selected have been chosen to provide varied colour and texture throughout the seasons. These plants are grown in the tray and as such are fully integrated into the substrate. Harrowden Lightweight Sedum Trays provide the growing medium, filtration and water storage required for a successful green roof. The main advantage over other system is their speed and convenience of installation. Harrowden Lightweight Sedum Trays contain mature plants with full coverage at the time of despatch. Although this system was originally designed for green roof applications, they can also be installed onto the ground on a free draining surface to create self-contained ground cover. These trays contain UK grown Sedum plants.
- **Typical Seed Mixture*** 100% sedum
- **Soil Classification** Contains bespoke growing medium with 40% organic material.

Create an instant green roof without any of the fuss.

Flowering Times



Features:

Lightweight Sedum Trays

■ Features

Self-contained, pre populated sedum trays for instant results

No additional substrate required

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

Ideal for:

Green roof systems

Around ponds*

Low maintenance areas

Domestic gardens

Sunny areas where other plants may struggle to survive

Please Note: It is recommended to use a protection layer directly under the trays when installing onto a roof.

* Must not be installed directly into water or areas of constant wet.

What's in our Sedum Trays

- Sedum acre
- Sedum acre 'oktoberfest'
- Sedum album
- Sedum floriferum
- Sedum hispanicum
- Sedum hybridum 'Czar's Gold'
- Sedum montanum ssp. orientale
- Sedum montanum
- Sedum pulchellum
- Sedum oreganum
- Sedum reflexum
- Sedum ellacombianum

- Sedum selskianum 'Goldilocks' (True)
- Sedum sexangulare
- Sedum spurium var. coccineum
- Sedum stoloniferu



100% Sedum

Peat Free

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