

GeoGrow®

DESIGN  MANUFACTURE  INSTALL



Hydroseeding

 2025



Hello,

Whether you are looking to build resilient infrastructure or transform a landscape, we have the expertise and sustainable solutions to help bring your vision to life. With a focus on green construction and landscaping, our team delivers innovative approaches tailored to meet your project's unique needs.

We take immense pride in our commitment to reducing carbon footprints while delivering robust, cost-effective, and environmentally conscious solutions. From our headquarters in the Midlands, we serve clients nationwide, partnering with Local Authorities, public bodies, main contractors, and private clients to create a greener and more sustainable future.

At the heart of our business is a commitment to providing innovative solutions that combine strength, flexibility, and environmental benefits. We are passionate about delivering products and services that not only address challenges such as erosion control and structural integrity but also enhance the natural environment. Whether through our specialist vegetation services or tailored groundworks, we bring decades of geotechnical engineering expertise and a dedication to industry-leading standards to every project we undertake.

Thank you for taking the time to explore our offerings. We are confident that this catalogue will provide valuable insights into how we can support your projects with sustainable, innovative, and lasting solutions.









Chris Ansell

Managing Director - GeoGrow Ltd

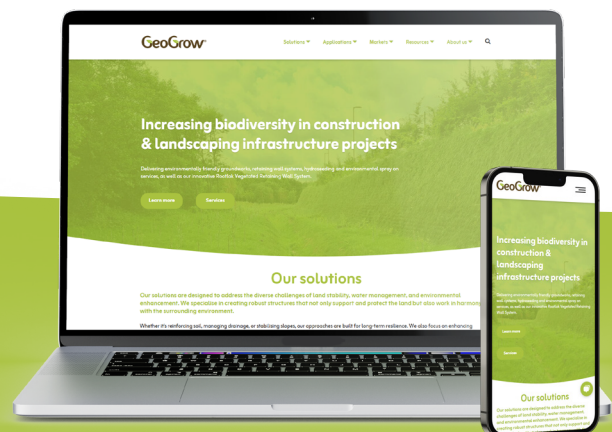




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Visit our website for the very latest information on our entire range of products. Access the latest solutions, guides, videos and more, all fully searchable, at your fingertips. [geogrow.com](https://www.geogrow.com)



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DESIGN MANUFACTURE INSTALL

Who are Geogrow?

We are a specialist contractor delivering innovative solutions for gravity walls, retaining walls, slope stabilisation, erosion control & hydroseeding.

Our turnkey services span design, manufacture, supply, and installation, catering to both land and water applications. Every solution is tailored to meet the unique needs of our clients, providing robust, sustainable, and cost-effective results.

We work across all sectors in the building and construction industry including residential, commercial, and industrial applications, delivering comprehensive support from initial consultation to project completion with the emphasis on greener infrastructure, biodiversity, wildlife habitat and sustainability.

Our in-house expert team includes chartered geotechnical engineers, CAD technicians, and site engineers, ensuring expert advice and precise project execution. We offer custom-facing options to align with the aesthetic and functional requirements of any project.

Our values



Fairness

Treating everyone equally and justly.



Responsibility

Taking ownership of our actions and their impact.



Respect

Valuing and honouring others perspectives and contributions.



Humility

Remaining grounded and open to learning from others.



Passion

Bringing energy and enthusiasm to everything we do.



Integrity

Acting honestly and upholding strong moral principals.



HYDROSEED®

Greener landscapes with advanced hydroseeding solutions



Hydroseeding is an advanced method of establishing vegetation by combining water, high-performance thermally refined wood fibre, seeds, fertilisers, and tackifiers. These materials are blended into a slurry using a hydroseeding machine and sprayed onto surfaces, promoting rapid germination and strong plant growth.

This seeding technique offers superior erosion control and faster germination rates compared to traditional methods. It is particularly effective for challenging terrains where conventional sowing is impractical, such as road embankments, railways, and large-scale environmental projects.

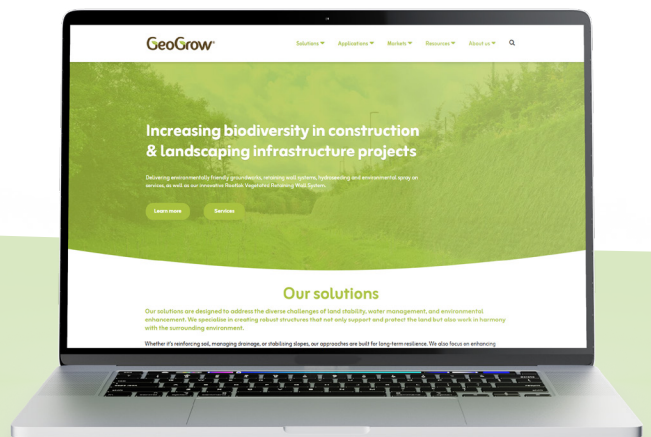
The growing demand for hydroseeding

Across the UK, hydroseeding is increasingly used in construction, residential, commercial, industrial, and environmental projects, delivering exceptional results on steep slopes, retaining walls, large open spaces, and attenuation ponds.

Additionally, it plays a key role in enhancing biodiversity, creating wildlife habitats, and supporting sustainable green infrastructure.

Our in-house operations team offers cost-effective spray-on solutions, including soil amendments, temporary covers, soil sampling, site surveys, and custom seed mixes tailored to each project, ensuring effective and sustainable vegetation solutions for a wide range of applications.

To learn more
scan here or visit
geogrow.com





Markets

We deliver sustainable solutions that address a wide range of environmental and infrastructure challenges. Our expertise lies in providing approaches that enhance both the functionality and visual appeal of various projects.

By focusing on long-term sustainability and eco-friendly practices, we help clients create safer, more resilient spaces that harmonise with the natural environment. Our work spans across diverse sectors, where we contribute to both public and private initiatives aimed at promoting durability and environmental stewardship.



Housing & residential

We enhance residential landscapes by offering engineered green alternatives to traditional retaining walls, improving both structural integrity and aesthetic appeal.



Rail & roads

We focus on erosion control and slope stabilisation along railways and roads, ensuring safety and durability in transportation infrastructure.



Commercial

We provide green solutions for commercial developments, including erosion control and habitat creation, contributing to sustainable and visually appealing commercial spaces.



Local authorities

We collaborate with local authorities to implement environmentally friendly retaining wall systems and erosion control measures, supporting public infrastructure projects.



Landscaping

We employ green solutions in landscaping projects to create visually appealing and sustainable green spaces, enhancing the natural environment.



River & flood

We offer solutions for riverbank stabilisation and flood protection, preventing erosion and managing water flow effectively.

Biodiversity

Working together to protect the future of the UK's wildlife

We are entirely committed to supporting biodiversity. All of our hydroseeding products are 100% natural, biodegradable and plastic-free, and their use actively promotes the establishment of healthy and sustainable habitats for wildflower and other flora and fauna to grow, survive and thrive.

As environmental concerns become closer to the forefront of our society's priorities, it's being recognised more and more that we all need to take action to protect our planet.



Biodiversity Net Gain

For land managers, developers, and local planning authorities, sustainability is now a key part of construction and landscaping due to new Biodiversity Net Gain (BNG) legislation.

Under these new rules, developers and planning authorities must register their development sites online and show how their projects will increase biodiversity rather than harm it.

The aim of BNG is to protect and enhance the environment by making biodiversity, carbon reduction, and natural ecosystem regeneration an essential part of every stage of development—from design and planning to construction and land management.

Biodiversity Net Gain (BNG) is a UK Government strategy ensuring that land development contributes to nature's recovery. It requires developers to leave habitats in a better state than before construction began. From November 2023, BNG applies to all developments under the Town and Country Planning Act 1990, including small sites from April 2024.

To comply, developers must minimise habitat loss and enhance biodiversity by creating green spaces, restoring ecosystems, and integrating natural infrastructure. BNG follows a measurable approach, assessing a site's biodiversity value before development and setting targets for improvement. This may involve creating new habitats, restoring existing ones, or reintroducing native species.

The International Union for Conservation of Nature (IUCN) supports BNG using the mitigation hierarchy, which helps manage biodiversity impacts from construction. Developers must conduct surveys to understand existing ecosystems and create an action plan to achieve biodiversity goals. A successful BNG project results in ecological benefits such as improved pollination, better water quality, increased carbon storage, and more resilient ecosystems.

How is it measured?

BNG is assessed using four key criteria that measure its impact on biodiversity conservation. Compliance is determined through a biodiversity metric, which calculates the ecological value of a development site before and after the project. This metric quantifies the net ecological gain—if the site's biodiversity value has increased, then Net Gain has been achieved.



Size

This refers to the amount of land that is being developed. The aim of BNG is to ensure that after development, there is still the same amount of wildlife habitat as before, or even more.



Condition

The quality of the habitat is also important. It's not enough to simply leave the same amount of land untouched. The habitat must be of good quality because that's what will encourage diverse wildlife and plants to flourish.



Distinctiveness

This is all about how unique the habitat is. If the space is home to rare or endangered species, then it has high distinctiveness.



Significance

This refers to the value of the habitat to the local area. It could be an important green space providing a place for people to connect with nature, or a significant part of an ecosystem.

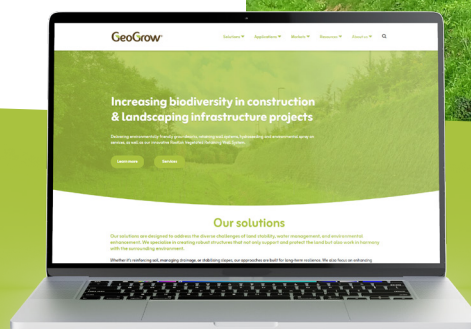
Who does BNG affect?

BNG applies to all construction and redevelopment projects, ensuring no net loss of biodiversity. Developers, planners, and land managers must follow government guidelines, with planning authorities enforcing a minimum 10% biodiversity gain. This could involve features such as green roofs, rain gardens, wooded areas, and wildlife meadows. Developers must collaborate with ecologists to enhance suitable habitats and meet BNG standards.



How we can help you!

We can help developers, contractors and construction companies comply with the Biodiversity Net Gain initiative. For more information, please contact us today.





Training and CPDs

We are committed to empowering our clients with in-depth knowledge and expertise through our comprehensive CPD training offerings.

Our free sessions provide valuable, practical insights into how our solutions can help streamline projects, reduce costs, and minimise environmental impacts. Whether you're looking to shorten construction timelines, optimise labour use, or lower your carbon footprint, our CPD resources are designed to give you the tools needed to make informed decisions and achieve the best outcomes for your projects.



Training sessions

Our training offering is designed to provide you with a comprehensive understanding of our products, solutions, and services.

We offer tailored sessions that delve into how our innovative solutions can be applied to your specific projects, addressing both practical and technical aspects. Whether in person or online, our training allows us to discuss in detail how our products can enhance your work, reduce costs, improve efficiency, and promote sustainability. Our expert team is ready to guide you through the benefits and applications, ensuring you gain the knowledge to make the most of what we offer.

**Register your interest today
geogrow.com**





CPD: Hydroseed - environmental spray solutions

As a hydroseeding contractor; besides general hydroseeding there are many other applications a hydroseeder can be used for including erosion control; soil amendments and temporary coverings for contaminated land.

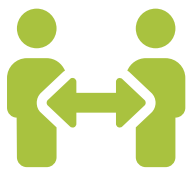
Register your interest today
geogrow.com/cpd



What's included

- ✍ Understanding what hydroseeding is
- ✍ Information on the variations of materials that are involved in the process
- ✍ The importance of choosing the right seed mix
- ✍ Best practices and after care
- ✍ Learn how hydroseeding can add value to a project.

Time
1 hour total, 45 minute presentation including 15 minutes for questions and answers.



In-person

We offer in-person CPD training sessions, providing an interactive and engaging learning experience. Our expert team is on hand to deliver tailored insights and practical knowledge, allowing you to ask questions and gain a deeper understanding of how our solutions can benefit your projects.



Online

For those who prefer the flexibility of remote learning, we also offer online CPD sessions. These virtual sessions provide the same valuable content, allowing you to access training at your convenience, wherever you are. Our training ensures you gain the knowledge needed to optimise your projects and achieve sustainable outcomes.

HYDROSEED®

Greener landscapes with advanced hydroseeding solutions

Creating cost-effective, sustainable vegetated areas

We offer a wide range of environmental services designed to help landscaping contractors, developers, and local authorities integrate green spaces into new or existing developments.

Our specialist hydroseeding and spray-on services provide sustainable solutions to persistent environmental challenges such as erosion control, odour management, land reclamation, and large-scale seeding. Using hydraulically applied techniques, we deliver fast and cost-effective vegetation solutions for various applications, including:

- Retaining walls
- Erosion control
- Revegetation
- Biotic soil amendment

Features and benefits



100% organic

All our hydroseeding materials are 100% organic, biodegradable and non-toxic, making it suitable for all land and water course applications.



Retaining walls

Hydroseeding is the ideal option for retaining walls and steep slopes as it quickly establishes vegetation while saving time and money.



Erosion Control

A tailored hydroseed package can be the perfect solution to erosion control when it comes to preventing the movement of surface soils caused by rainfall, snow, ice, irrigation systems and other natural elements.

Not only this but it also provides stability for particles and nutrients that will prolong and enhance the quality of the soil.



Our technical team will provide:

- Technical advice
- Site visits
- Soil sampling
- Surveys
- Product specification
- Cost-effective solutions
- Initial estimates
- Final quotations
- Quality installations

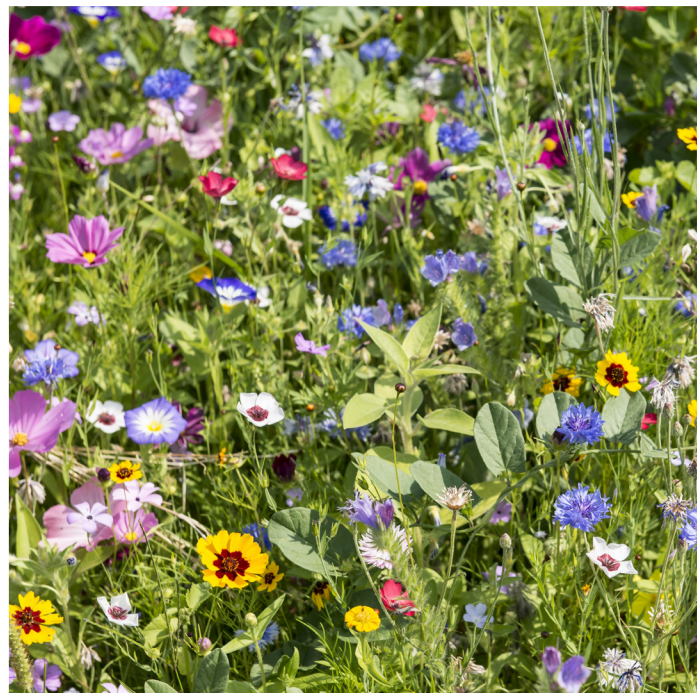




Custom seed mixes for every project

We supply a wide range of low-maintenance seed mixes and bespoke wildflower seeds designed to match various soil types, including sandy and clay soils. Using the hydroseeding method, each mix can be tailored to the client's specifications, ensuring optimal growth and coverage. Suitable for large open spaces and erosion control areas, our seed options include low-maintenance blends, shade and drought-tolerant mixes, riverbank-specific blends, as well as wildflower and amenity mixes.

Hydroseeding is highly versatile and supports a diverse range of plant species, from grasses to small shrubs. Our seed mix options include grass or meadow blends combining grasses and wildflowers, shrub seed mixes, and standard blends formulated for different soil and environmental conditions. Additionally, we offer bespoke UK-native seed mixes tailored to specific project needs, ensuring sustainable and effective vegetation solutions.



Save time & money

- ✍ Quicker application than conventional seeding
- ✍ Faster germination
- ✍ Even and more controlled seed distribution
- ✍ Protection for seeds in challenging conditions
- ✍ Improved seed to soil binding
- ✍ Erosion control at a fraction of the cost
- ✍ Minimal to no aftercare required
- ✍ Easily seeds large, steep and difficult access areas



To learn more
scan here or visit
[geogrow.com](https://www.geogrow.com)





Bringing life to unsightly areas

Hydroseeding is a highly effective and efficient method of vegetating large areas and controlling erosion, perfect for hard-to-seed places such as slopes, lawns, verges and hillsides and other open spaces that are often neglected and unsightly. Seeding these types of areas manually or using other more traditional methods is time-consuming, costly and downright hard work.

Solutions for revegetation

Hydroseeding is an incredibly versatile method of seeding and can be used to vegetate practically any area with natural wildflowers or grasses. While it can be used on smaller areas, hydroseeding is ideal for large spaces and can seed as much as 9,000m² in a day.

Hydroseeding is perfect for revegetating a variety of spaces in order to increase the natural biodiversity of the area. It can be used on steep slopes, engineered slopes, SUDS basins and areas that are inaccessible for more traditional seeding methods.

Not sure what you need? We can take care of it.

Before each job, we will conduct soil sample tests in order to ascertain which seed specification is right. If soil condition is below par, we use other innovative products to improve it. For example, for soils with low organic matter content, we will use our biotic soil amendment.



Immediate protection



100% biodegradable



Increase biodiversity



Quick and easy application

Applications

Retaining walls

Retaining walls have traditionally been constructed out of hard engineered materials such as concrete, brick or stone which, although strong, provide little or no long-term benefits for the environment. Using hydroseeding for suitable retaining walls and earth reinforced structures changes this. Hydroseeding can transform a barren, uninviting and unsightly structure into something far more aesthetically-pleasing, as well as creating a new habitat for a wide range of flora and fauna.

Hydroseeding for retaining walls needs a different approach to hydroseeding for general, more flat areas because the angle of a retaining wall is usually at least 45°. Standard mulch applications don't have enough density to withstand stronger weather conditions; they simply aren't durable enough.

Our high performance fibre matrix is the best option for retaining walls as it has longer interlocking fibres and additional tackifiers. And, the high performance mulches are so much more durable, it can be applied to almost vertical retaining walls.



Erosion control

Steep, open slopes are highly vulnerable to erosion due to exposure to wind, rain, snow, and ice, leading to soil degradation and loss of nutrients essential for vegetation. Erosion control is crucial for stabilising these areas and promoting biodiversity. GeoGrow offers effective, eco-friendly solutions, including hydraulic erosion control, hydro-mulch erosion control, and reinforced hydroseeding, all designed to protect and restore exposed slopes. Our solutions provide long-term stability while being 100% natural, biodegradable, and plastic-free.

Using hydroseeding techniques, our hydraulic and hydro-mulch erosion control methods offer a quick and efficient way to stabilise slopes without the need for traditional erosion control mats. These spray-on solutions act as immediate protective barriers, reducing soil run-off and accelerating vegetation growth. They are highly adaptable, requiring less labour and installation time compared to conventional methods, making them a cost-effective and sustainable choice for erosion control.

For steeper slopes experiencing severe erosion, GeoGrow provides reinforced hydroseeding solutions that incorporate turf reinforcement matting or netting. Our high-performance hydro-mulch products, combined with 100% coir netting securely affixed with metal or wooden pins, offer extra stability while vegetation establishes itself. This approach ensures long-term erosion control, creating greener, more biodiverse landscapes that can withstand harsh environmental conditions.





Case Study

Transforming a challenging basin into a thriving green space



Taylor
Wimpey



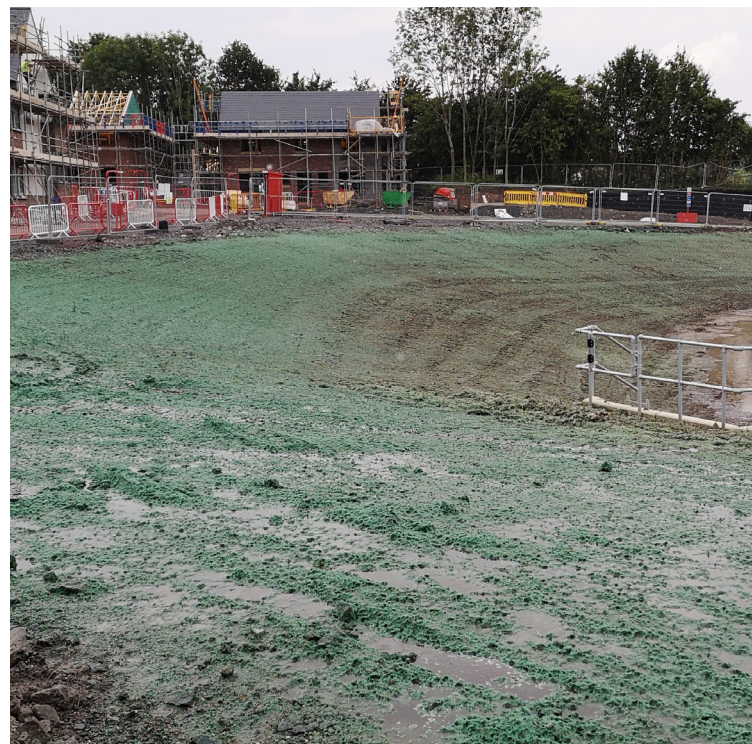
3,000m²
hydroseeding
attenuation pond



Thornbury Hill,
Lawley Village

At the forefront of a new housing development in Lawley Village, Telford, we were tasked with hydroseeding an attenuation basin to create a sustainable, vegetated landscape. The project aimed to enhance the ecological value of the site, improve soil stability, and provide long-term vegetation cover.

Access to the basin was extremely restricted, limiting the machinery we could use. Previous attempts at conventional sowing had failed, with vegetation struggling to establish. To overcome these challenges, we proposed a hydroseeding solution designed to achieve full vegetation coverage while supporting the site's biodiversity net gain target.





“

Given the challenges we faced on site, in terms of access and previous vegetation, we are delighted to come away from this with a solution which met the project's goals ”

Nathan Wilkinson
Hydroseeding Manager

In line with the client's landscaping specification, we applied two different seed mixes to suit the varying conditions of the site. The basin area was hydroseeded with a pond edge and wildflower seed mix, while the surrounding areas received an amenity grass mix. To maximise seed retention and encourage growth, we used a high-performance mulch that protects seeds, prevents erosion, and retains moisture for optimal germination.



Given the restricted access, we utilised our compact, towable Finn T60 hydroseeding machine. Before starting, we carefully marked out the boundaries for each seed type to ensure an efficient and precise application. Positioning the hydroseeding machine at the southern edge of the basin, we used long hoses to reach the opposite side. Our team worked methodically, beginning on the northern side and moving backwards to avoid disturbing freshly treated areas.

The application was completed in just one and a half days. Thanks to the high performance mulch, the seed adhered well to the sloping basin soils, promoting even distribution and retaining moisture to accelerate germination.

Within two weeks, the first signs of growth appeared, and after 18 months, the area was fully vegetated with a diverse mix of grasses and wildflowers, creating a thriving green space in line with the project's ecological goals.



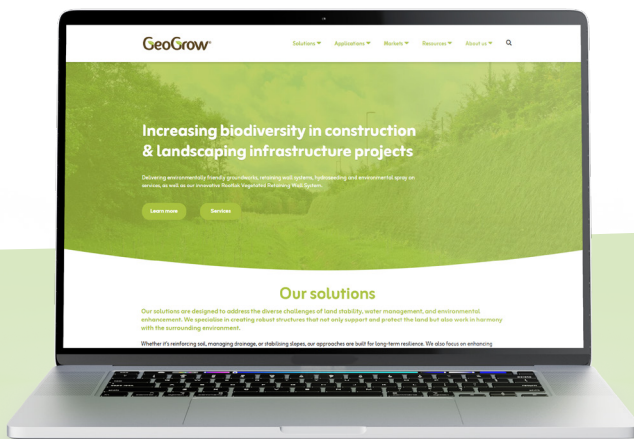


Hydroseeding Seed mixes

Custom seed mixes for every project

We supply a wide range of low-maintenance seed mixes and bespoke wildflower seeds designed to match various soil types, including sandy and clay soils. Using the hydroseeding method, each mix can be tailored to the client's specifications, ensuring optimal growth and coverage. Suitable for large open spaces and erosion control areas, our seed options include low-maintenance blends, shade and drought-tolerant mixes, riverbank-specific blends, as well as wildflower and amenity mixes.

Hydroseeding is highly versatile and supports a diverse range of plant species, from grasses to small shrubs. Our seed mix options include grass or meadow blends combining grasses and wildflowers, shrub seed mixes, and standard blends formulated for different soil and environmental conditions. Additionally, we offer bespoke UK-native seed mixes tailored to specific project needs, ensuring sustainable and effective vegetation solutions.



To see a breakdown of all our seed mixes, scan here or visit [geogrow.com](https://www.geogrow.com)



Grass mixes

We offer a diverse range of grass-only mixtures designed to suit various environments and applications.

Whether for residential lawns, sports fields, golf courses, or conservation areas, each blend is carefully formulated to ensure optimal growth, durability, and aesthetic appeal. There are options tailored for challenging conditions such as drought-prone areas, wet soils, heavy shade, and coastal environments, as well as low-maintenance solutions for large landscapes and roadside verges.

With a focus on quality and adaptability, these mixes provide effective solutions for both functional and decorative green spaces.

To see a breakdown of all our seed mixes, scan here or visit geogrow.com



Meadow mixes

There are a variety of seed mixtures available, each designed to suit different environmental conditions and soil types. These mixtures typically contain a blend of native grasses and wildflowers, selected to enhance biodiversity, support pollinators, and create visually appealing landscapes.

Some mixes are tailored for general-purpose use, while others are adapted for specific conditions such as acidic or alkaline soils, shaded areas, wetland margins, or coastal regions. Additionally, there are seed blends designed for fertility-building, floodplain meadows, and brownfield sites, ensuring that suitable vegetation can be established in diverse habitats.

These carefully curated mixtures contribute to ecological restoration, conservation efforts, and sustainable land management practices.

To see a breakdown of all our seed mixes, scan here or visit geogrow.com



CODE	MIX DESCRIPTION
GG1	Universal Amenity Grass
GG2	Front Lawn Grass
GG3	Back Lawn Grass
GG4	Drought Tolerant Grass
GG5	Shade Tolerant Grass
GG6	Wetland/Wet Soil Grass
GG7	Woodland & Heavy Shade Grass
GG8	Embankment Grass
GG9	DOT Verge Grass
GG10	Fine Ornamental Grass
GG11	Low Maintenance Grass
GG12	Conservation & Golf Rough Grass
GG13	Premier Grass (Including Ryegrass)
GG14	Premier Grass (Excluding Ryegrass)
GG15	Coastal Area Grass

CODE	MIX DESCRIPTION
GM1	General Purpose Grass & Wildflower
GM2	Acidic & Sandy Soils Grass & Wildflower
GM3	Calcareous/Alkaline Soils Grass & Wildflower
GM4	Country Meadow
GM5	Hedgerow & Shade Tolerant Grass & Wildflower
GM6	Wetland & Pongedge Grass & Wildflower
GM7	Floodplain Meadow Grass & Wildflower
GM8	High Nutrient Soils 50/50 Meadow
GM9	Tussocky Grass & Wildflower
GM10	Brownfield 80/20 Wildflower/Grass
GM11	Traditional Hay Meadow
GM12	Fertility Builder Clover & Legume
GM15	Coastal Area Grass & Wildflower

Biotic Soil Amendment

Revive poor soils, reduce costs

A Biotic Soil Amendment can offer cost-savings as an alternative to importing topsoil.

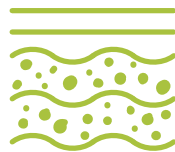
It is a wood fibre based material combined with peat-free compost, tackifiers, concentrated amounts soil bacteria and fungi found in topsoil but in higher quantities. Once applied via a hydroseeder it gets to work replenishing the existing poor/depleted soils with the nutrients and microbiological cultures to support and sustain vegetation.



Providing the following benefits:



Applied via a hydroseeder, leading to a smaller, faster and more carbon efficient operation than topsoiling



Assist in rapid development of soil structure and pore space for nutrients, water, and air flow



Improves nutrient cycling and plant available nutrients



Support plant growth at all stages of development



Reduces costs compared to traditional topsoiling



100% non-toxic & biodegradable



Can be applied on steep slopes

Tailored solutions

All biotic soil amendment applications are tailored to suit the existing soil's organic matter levels following a soil sample test.

Therefore, the better the soil, the less BSA is required and the cheaper it is!





HYDROSEED[®]

Soil sample testing

Understanding your soils

As part of our hydroseeding service we can also undertake soil sample testing. This allows us to fully understand the chemical, physical and biological properties of the soils to be seeded.

We highly recommend soil sample testing before any seeding works to ensure that the seed mix to be used is suitable for its environment. Once the test result have been assessed we will provide our recommendations to ensure the finished result is achieved.

Key values that can affect seed mix suitability:

N

Nitrogen

For healthy, green foliage

P

Phosphorus

To develop strong roots & vibrant wildflower blooms

K

Potassium

Essential for all round plant growth

Organic matter

Ideally 3%-5% breaks down into plant food to sustain vegetation

PH levels

Confirms if the seed specification needs to suit acidic or alkaline conditions



To learn more scan the QR code or visit geogrow.com



DESIGN  MANUFACTURE  INSTALL

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