



# Seed

2025 Agrovista Amenity  
seed offering, including a  
comprehensive range of grass  
and wildflower mixtures



# Welcome

The aim of this seed brochure is not just to provide a list of seed mixtures but to offer support and guidance to help you make clear, informed choices. Our carefully selected grass seed mixtures combine the strengths of different cultivars and species to maximise turf quality while ensuring resilience against the stresses of their intended use.

At Agrovista Amenity, we partner with leading breeders and seed producers across the UK and Europe, working alongside our colleagues in Agrovista Seeds to provide a professional, high-quality seed mixture range tailored to your needs.

We also encourage you to explore the **Agrovista Amenity Academy** ([www.amenityacademy.co.uk](http://www.amenityacademy.co.uk)). The Academy offers valuable insights into turf management, including weekly weather courses and overseeding weather data, helping you apply seed at the right time for optimal germination and establishment. Plus, you can earn CPD points while you learn.



**John Marland**  
Head of Amenity



## Grass seed

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All grass cultivars in the TechniTurf and CleenCut range have been assessed and listed by the STRI. Cultivars may be exchanged for alternatives of the same or higher rating.

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The mixtures in the TechniTurf (TT) range have been specifically selected to maximise the strengths of different cultivars and species. Each species has characteristics that make it suited to particular uses. Within species, cultivars can be selected to improve specific attributes; for example, disease resistance, wear tolerance, or visual merit. Incorporating a number of cultivars ensures the quality of turf surfaces is able to remain consistent throughout the year.

## Species selection

In each of our mixes we have selected cultivars which are tolerant of the dominant stresses for the use they are recommended for, in addition to selecting for overall turf quality.

Selecting the right mix for your situation will help you to manage your turf surface and reduce the affects of abiotic stresses. You can further improve your turfs ability to cope with stress factors, for example by:

- Altering the rootzone to improve drainage
- Using lighting and UV panels to relieve shade within a stadium environment
- Aerating the rootzone by hollow tining or spiking etc to relieve compaction
- Improving drainage by altering the rootzone

	Bowling greens	Cricket wicket	Cricket outfield	Croquet lawns	Football pitch	Golf driving range	Golf greens	Golf tees	Golf fairway	Golf rough	Hockey	Polo	Racecourse and gallops	Rugby pitch	Tennis
TT allbent	•		•			•									
TT fine fescue	•		•			•	•	•							
TT fine rye		•					•								•
TT shaded areas			•		•		•								
TT tees and fairway with rye			•		•		•	•							•
TT tees and fairway non-rye							•	•	•						
TT 4turf renovation					•						•	•	•	•	
TT pitch renovation					•						•	•	•	•	



# TechniTurf

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# Grass species



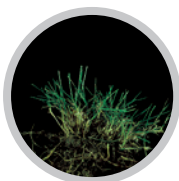
## Annual ryegrass

With its ability to rapidly establish at low temperatures, annual ryegrass can be used as a nursery crop and is ideal for localised repair.

### Distinguishing features:

- Germination as low as 3°C
- Rapid establishment

Scientific name	<i>Lolium multiflorum</i>
Seeds/g	500
Germination	3-7 days
Shoot density	150-250 shoots/m <sup>2</sup>
Cutting height	Not less than 15mm
Growth	Non-spreading growth habit



## Browntop bent grass

This species is tolerant of wear and is well adapted to relatively low nutrient soils and dry conditions. Overfertilising, over-watering and compacted or waterlogged soil can result in displacement of the species by annual meadow grass (*Poa annua*).

### Distinguishing features:

- Leaves fine, stiff and filamentous
- Young leaf folded in shoot (generally remains unfolded when mature)
- Ligule short
- Forms dense tufts
- Short rhizomes
- Leaf sheath complete, not overlapping

Scientific name	<i>Agrostis capillaris syn. tenuis</i>
Seeds/g	10,000
Germination	2-3 weeks
Shoot density	400-600 shoots/m <sup>2</sup>
Cutting height	4-12mm (good durability at 5mm)
Growth	Slow colonising short rhizomes



## Chewings fescue

The high shoot density and tolerance to close mowing makes this species particularly suitable for golf greens, tees, and fairways. Chewings fescue tolerates acidic soils, requires minimal water and fertiliser, and retains good colour and a fine appearance year-round.

### Distinguishing features:

- Leaves fine, stiff and filamentous
- Young leaf folded in shoot (generally remains unfolded when mature)
- Ligule short
- Forms dense tufts
- No rhizomes
- Leaf sheath complete, not overlapping

Scientific name	<i>Festuca rubra commutata</i>
Seeds/g	1,000
Germination	Approx 2 weeks
Shoot density	450-800 shoots/m <sup>2</sup>
Cutting height	20-35mm (not less than 2mm)
Growth	Non-spreading growth habit



## Creeping bent

Though related to browntop bent grass, this species requires more nitrogen alongside intensive management and watering. While it has high tolerance to close cutting, creeping bent can become dormant in winter.

### Distinguishing features:

- Leaves matt green and broadest at base, gradually narrowing to a fine tip
- Leaf with ribs above
- Leaf rolled in shoot
- Ligule rounded, lightly toothed, up to 5mm long
- Can root at nodes
- Numerous stolons

Scientific name	<i>Agrostis stolonifera</i>
Seeds/g	12,000
Germination	Approx 2 weeks
Shoot density	400-600 shoots/m <sup>2</sup>
Cutting height	3-12mm (not over 15mm)
Growth	Creeping stolons



## Perennial ryegrass

This hard-wearing species is highly suitable for both sports areas and fine turf and is ideal for overseeding because of its rapid germination and establishment in a range of soils.

### Distinguishing features:

- Leaves largely parallel-sided, but narrow to a fine tip
- Underside of leaf and leaf sheath glossy with prominent keel
- Leaves and stems reddish at base
- Leaf blade folded in the shoot
- Ligule up to 2mm long
- Clear sheath/auricle

Scientific name	<i>Lolium perenne</i>
Seeds/g	600
Germination	1-2 weeks
Shoot density	200-350 shoots/m <sup>2</sup>
Cutting height	25-40mm (not less than 4mm)
Growth	Non-spreading growth habit



## Rough stalked meadow grass

This species is well adapted to low light levels, making it ideal to use in shady conditions. Also adapted to wet ground and with frost tolerance, it can help improve turf quality during the winter.

### Distinguishing features:

- Of uniform width, abruptly terminating in boat-shaped tip
- Leaves dark green or with bluish bloom
- No auricles
- Long (4-10 mm) pointed ligule
- Lower surface of the leaf is glossy
- Spreads by stolons

Scientific name	<i>Poa trivialis</i>
Seeds/g	4,000
Germination	3-4 weeks
Shoot density	200-350 shoots/m <sup>2</sup>
Cutting height	20-35mm (not less than 8mm)
Growth	Creeping with stolons



## Sheep's and Hard fescue

Both species are highly flexible, drought tolerant and require limited nutritional inputs. They can be used in a diverse range of mixtures from moorland to golf. The species are tolerant of both close-mown and low-maintenance situations and are visually attractive if left uncut. Sheep's fescue is well adapted to cold conditions, whilst hard fescue has good heat tolerance.

### Distinguishing features:

- Very fine leaved with high shoot density
- Leaves are thread like, hairless with a strongly ribbed ridged upper surface
- Leaves greyish to blue green
- Sheep's fescue characteristically forms whorls as a mature plant
- Ligule is very short
- Leaf sheaths open and overlapping

Scientific name	<i>Sheep's fescue: Festuca ovina</i> <i>Hard fescue: Festuca longifolia</i>
Seeds/g	950
Germination	2-3 weeks
Shoot density	800-1,000 shoots/m <sup>2</sup>
Cutting height	15-35mm (not less than 5mm)
Growth	Non-spreading growth habit



## Slender creeping red fescue

A low maintenance and drought tolerant species which requires low nutritional inputs. Its short rhizomes enable greater resistance to wear than non-spreading fescues. It has a fine leaf and is highly ornamental if left uncut.

### Distinguishing features:

- Very fine leaved plant with high shoot density
- Leaves are thread like, hairless with a strongly ribbed ridged upper surface
- Leaves greyish to blue green colouration
- Ligule is very short
- Leaf sheaths open and overlapping

Scientific name	<i>Festuca rubra litoralis</i>
Seeds/g	1,000
Germination	Approx 2 weeks
Shoot density	450-800 shoots/m <sup>2</sup>
Cutting height	20-25mm (not less than 5mm)
Growth	Creeping with short rhizomes







## Smooth stalked meadow grass

A hard wearing species with a good ability to regenerate due to extensive rhizomatous growth. It is ideal for turf production, tees and sports areas, particularly when paired with the faster establishing perennial ryegrass.

### Distinguishing features:

- Leaves dark green or with bluish bloom
- Of uniform width, abruptly terminating in boat-shaped tip
- Two pale parallel lines visible along midrib when leaf is held up against light
- Underside of leaf with keel
- Leaf blade folded in the shoot
- Ligule short, rounded, 1-3mm long

Scientific name	<i>Poa pratensis</i>
Seeds/g	4,000
Germination	3-4 weeks
Shoot density	200-350 shoots/m <sup>2</sup>
Cutting height	20-35mm (not less than 8mm)
Growth	Loose tufts with rhizomes



## Strong creeping red fescue

With the largest seeds of the red fescues, this species establishes rapidly. Its rhizomatous growth stabilises root zones and provides good recovery from damage. Used in turf production for its binding properties, it is not suited to close mown areas such as golf greens. Due to its regenerative capacity, it is ideal for tees, fairways and landscape usage.

### Distinguishing features:

- Leaves stiff and filamentous
- Young leaf folded in shoot (tends to remain unfolded when mature)
- Ligule short, blunt and difficult to distinguish
- Long rhizomes
- Leaf sheath complete, not overlapping

Scientific name	<i>Festuca rubra rubra</i>
Seeds/g	800
Germination	Approx 2 weeks
Shoot density	250-450 shoots/m <sup>2</sup>
Cutting height	20-35mm (not less than 5mm)
Growth	Long creeping rhizomes



## Tall fescue

A species that has very high tolerance of drought and good resistance to extremes of hot and cold weather. With some varieties forming rhizomes, tall fescues demonstrate moderate to good wear tolerance.

### Distinguishing features:

- Strongly veined upper leaf surface
- Blade rolled when young
- Large flat mature leaf
- Ligules short
- Small hairy auricles
- Purple red leaf sheath

Scientific name	<i>Festuca arundinacea</i>
Seeds/g	650
Germination	2-3 weeks
Shoot density	200 shoots/m <sup>2</sup>
Cutting height	30-40mm (not less than 10mm)
Growth	Non-spreading growth habit

*Agrovista's partnership with DLF offers a professional seed mixture range formulated and backed by the world's largest breeder and producers of grass seed.*

4turf® is a new generation of tetraploid perennial ryegrass varieties, developed to be quick to establish, deep rooting and tolerant to stress. 4turf® is better able to withstand a range of stressful conditions, such as drought, cold, disease, and wear.

Diploid and tetraploid plants have different amounts of chromosomes in the nucleus of each plant cell. Diploid plants have two sets of chromosomes in each cell; tetraploid plants have four.

Scientific name	<i>Lolium perenne</i>
Seeds/g	550
Germination	1-2 weeks
Shoot density	150-250 shoots/m <sup>2</sup>
Cutting height	Normal: 20-40mm (not less than 4mm)
Growth	Non-spreading growth habit

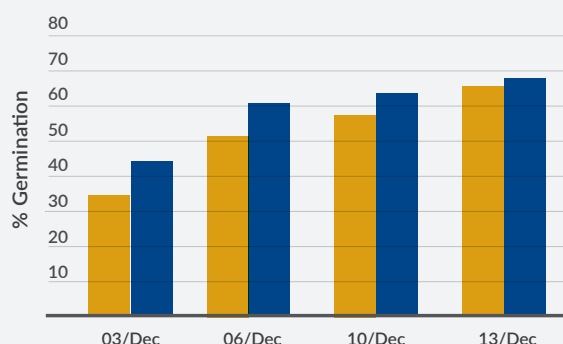


## Key benefits

- Peace of mind through improved brown patch tolerance
- Improved disease resistance leading to lower use of fungicide saving time and money, and improving environmental credentials
- Improved pitch quality with more playing hours
- Reduced requirement for maintenance operations such as overseeding

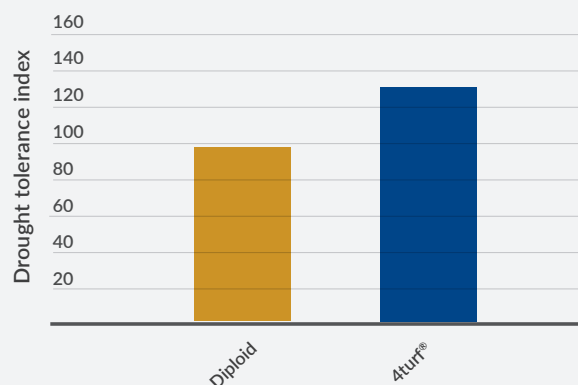
### Rapid germination even at low temperatures

Seed sown on November 21st. Temperature 4°C



### Improved drought tolerance

Trials from Les Alleuds in France



Historically, perennial ryegrasses bred for amenity use have been diploid. Tetraploid perennial ryegrasses are a technological step forward. They perform better because they have twice as many chromosomes and therefore, twice as much chloroplast in each cell. The extra chloroplast boosts chlorophyll production, creating a healthier, high-energy plant. Tetraploids are robust and hard-wearing, with improved stress tolerance and ability to recover, even in cooler temperatures.

### Stronger establishment

The larger 4turf® seeds contain more energy reserves for stronger, faster establishment and healthy plant development. 4turf® tetraploid ryegrass demonstrates better germination at temperatures as low as 4°C when compared to diploid, giving an advantage for cool weather overseeding.

### Drought tolerance

The larger root system and natural water reserves makes 4turf® more drought tolerant and quicker to recover when rain returns. Trials conducted in the Les Alleuds in France confirmed that 4turf® cultivars are significantly more drought-tolerant than diploids.

### Excellent colour

4turf® delivers a deeper, glossier dark green colour, even through the difficult winter period, that develops quicker and lasts for longer than traditional varieties of perennial ryegrass.

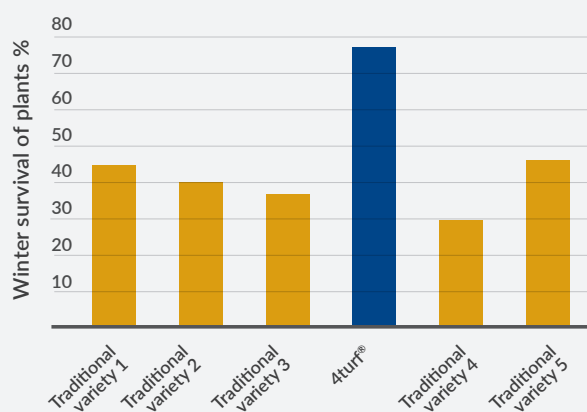
### Disease resistance and winter performance

In European trials, 4turf® shows the highest disease resistance during the autumn and winter months and increased resistance to weed invasion, thanks to the improved energy reserves and stronger rooting system. 4turf® varieties have also demonstrated great strength and tolerance to Brown Patch in recent DLF trials.

Documented  
winter  
hardiness

#### Winter hardiness in extreme conditions

Trials from Ylistaro in Finland



# GroMax

**All TechniTurf grass seed mixtures are coated with GroMax to maximise plant development.**

The GroMax coating assists seedlings by providing an energy source and plant biostimulants. In addition it enables the seedling to take advantage of existing soil nutrients by stimulating the soil's microflora, resulting in improved root growth and establishment.

- Improves establishment
- Stimulates root growth
- Makes for greater tolerance to stress
- Enhances water and nutrient uptake

GroMax is a dry formulation of biostimulants consisting of natural humates and humic acids, seaweed extract, a proprietary blend of natural sugars (sucrose), vitamins (B complex and K), soluble potash and buffering agents. GroMax is compatible with most micro-nutrients, fertilisers and pesticides.

## Humic acids

Rich in auxin type substances to enhance antioxidant synthesis. This aids plant metabolism under stress conditions and gives a high carbon food source for soil micro-organisms. In turn, this improves the permeability of cell wall membranes in roots to allow rapid absorption of essential nutrients.

## Seaweed extract

Contains high levels of cytokinins to promote cell division and lateral root growth, but delays the ageing process of plant tissue. In addition, root growth is stimulated after damage by disease or root feeding insects, or stress caused by temperature, water or salt imbalance.

## B-Complex and K vitamins

These act as important catalysts to enhance and drive plant metabolism, with vitamin B1 giving help to rooting.

## Amino acids

The building blocks of proteins known to be essential for plant growth and metabolism.

## Potassium

Plays a vital role in disease resistance and overall hardiness of grass plants by increasing cell wall strength.

## Sucrose

Serves as a high energy food source for plant and soil micro-organisms.







*TechniTurf green seed mixtures include varieties offering exceptional visual appearance that are capable of withstanding year round use.*

## TechniTurf allbent

This high quality two way all bent grass mixture is ideal for oversowing golf and bowling greens to deliver a sward capable of excellent turf recovery, close mowing, fine leaf, increased shoot density and disease tolerance.

Contains	
55% Teetop	Browntop bentgrass
45% Manor	Browntop bentgrass

Application	
Pack size	10kg and 20kg
Sowing rate	10-15g
Oversowing rate	5g/m <sup>2</sup>
Sowing depth	Surface contact
Mowing height	Down to 4mm

## TechniTurf fine fescue

Ideal for sustainable, low input areas such as golf and bowling greens, tees, free draining fairways or where a low maintenance regime is in place. Chewing's fescue cultivars are upright in growth habit and ideal for spring sowing. The slender red creeping fescue cultivars will allow lateral growth and turf recovery with excellent drought tolerance and disease resistance.

Contains	
25% Caldris	Chewing's fescue
25% Humboldt	Chewing's fescue
25% Cezanne	Slender creeping red fescue
25% Sarolea	Slender creeping red fescue

Application	
Pack size	20kg
Sowing rate	30-50g/m <sup>2</sup>
Oversowing rate	10-25g/m <sup>2</sup>
Sowing depth	4-6mm
Mowing height	Down to 5mm



## TechniTurf fine rye

With highly rated fine perennial ryegrass cultivars, this mixture shines in providing excellent performance, speed of establishment, resistance to wear and leaf density under close mown conditions. Ideal for cricket wicket, tennis, and tees renovation.

Contains	
25% Clementine	Perennial ryegrass
35% Claudine	Perennial ryegrass
40% Chloe	Perennial ryegrass

Application	
Pack size	10kg and 20kg
Sowing rate	35-50g/m <sup>2</sup>
Oversowing rate	25-50g/m <sup>2</sup>
Sowing depth	12-15mm
Mowing height	Down to 8mm

## TechniTurf shaded areas

Containing a blend of shade tolerant grass cultivars. Designed to deliver a high quality, fine, dense turf that can withstand wear under shaded conditions. This mix is ideal for all managed turf situations under shade especially golf tees and ornamental landscaped areas.

Contains	
30% Chardin	Perennial ryegrass
30% Humboldt	Chewing's fescue
25% Sarolea	Slender creeping red fescue
10% Quatro	Sheep's fescue
5% Sabrena	Rough stalked meadow grass

Application	
Pack size	20kg
Sowing rate	35-50g/m <sup>2</sup>
Oversowing rate	15-30g/m <sup>2</sup>
Sowing depth	12-15mm
Mowing height	Down to 10mm



## TechniTurf tees and fairway with rye

Combining the sustainability of the triple fescue combination and the hard wearing nature of ultra fine perennial ryegrass. This fine leaved mixture is ideal for high traffic renovations on fairways, tees, cricket outfields and driving ranges, whilst still delivering excellent visual merit under close mowing.

Contains	
25% Chardin	Perennial ryegrass
10% Chloe	Perennial ryegrass
35% Sergei	Strong creeping red fescue
15% Humboldt	Chewing's fescue
15% Sarolea	Slender creeping red fescue

Application	
Pack size	20kg
Sowing rate	35-50g/m <sup>2</sup>
Oversowing rate	15-25g/m <sup>2</sup>
Sowing depth	4-6mm
Mowing height	Down to 12mm

## TechniTurf tees and fairway non-rye

Comprising of three excellent cultivars of fescue species to deliver exceptional shoot density, salt tolerance and visual merit combined with fast establishment and turf recovery. Ideal for fairways, roughs, tees, low growing embankments or when a low input maintenance regime is in place.

Contains	
30% Humboldt	Chewing's fescue
30% Sarolea	Slender creeping red fescue
40% Rossinante	Strong creeping red fescue

Application	
Pack size	20kg
Sowing rate	30-50g/m <sup>2</sup>
Oversowing rate	10-25g/m <sup>2</sup>
Sowing depth	4-6mm
Mowing height	Down to 10mm





## TechniTurf pitch renovation

With a mixture of four high quality perennial ryegrass cultivars, TechniTurf pitch renovation provides excellent wear characteristics, maintains year round colour and establishes rapidly. A dedicated performer for quality winter sports constructions and renovations.

Contains	
25% Columbine	Perennial ryegrass
25% Chloe	Perennial ryegrass
25% Monroe	Perennial ryegrass
25% Chardin	Perennial ryegrass

Application	
Pack size	20kg
Sowing rate	35-75g/m <sup>2</sup>
Oversowing rate	25-75g/m <sup>2</sup>
Sowing depth	12-15mm
Mowing height	Down to 15mm

## TechniTurf 4turf® renovation

With a blend of the most technologically advanced ryegrass cultivars, both tetraploid and diploid. This mixture establishes quickly providing improved drought tolerance, lasting colour, nutrient efficiency and disease resistance. TechniTurf 4turf® renovation continues to provide excellent shoot density along with incredible wear tolerance, ideal for the renovation of high quality winter sports pitches such as rugby, football, and polo.

Contains	
25% Tetragame	4turf® ryegrass
30% Columbine	Perennial ryegrass
30% Chardin	Perennial ryegrass
15% Chloe	Perennial ryegrass

Application	
Pack size	20kg
Sowing rate	25-50g/m <sup>2</sup>
Oversowing rate	15-25g/m <sup>2</sup>
Sowing depth	12-15mm
Mowing height	Down to 15mm



*4turf® gives you green ground cover during the most difficult period of the year due to improved energy reserves.*

The CleenCut range of grass seed are cost effective blends designed with functionality in mind. Suited to amenity, landscape and sports uses, CleenCut blends feature modern cultivars selected for their ability to perform in a variety of situations.

	Cricket outfield	Cricket wicket	Golf roughs	Golf driving range	Golf & bowling greens	Golf tees	Golf fairways	Lawns	Parkland	Racecourse, gallops and polo	Recreation areas	Roadside verges	Winter sports	Tennis
CC greens				●				●						
CC fine lawns	●			●				●						
CC hardwearing lawns	●		●		●	●	●			●				
CC landscaping	●				●		●	●	●		●	●	●	
CC wicket		●												●
CC paddocks			●				●	●	●	●	●			
CC renovator							●		●	●		●		
CC tennis & square		●			●		●							●
CC multisport renovation									●	●		●	●	
CC tough tees	●				●		●							●

# CleenCut

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*The CleenCut range offers mixtures at a competitive price, whilst using quality STRI listed cultivars*

## CleenCut greens

An ideal traditional mixture for greens renovation providing rapid germination, a fine surface and excellent year-round colour. The addition of creeping red fescue further improves establishment and drought tolerance.

Contains	
50% Trophy	Chewing's fescue
10% Sarolea	Slender creeping red fescue
30% Samanta	Slender creeping red fescue
10% Highland	Browntop bentgrass

Application	
Pack size	10kg and 20kg
Sowing rate	35g/m <sup>2</sup>
Oversowing rate	15-25g/m <sup>2</sup>
Sowing depth	3-5mm
Mowing height	Down to 4mm

## CleenCut fine lawns

A mixture of fine turf species and highly rated cultivars ensures the production of a truly first-class ornamental lawn. To optimise visual merit, ensure a clean seed bed free from coarse species prior to over seeding.

Contains	
25% Wagner	Chewing's fescue
50% Maxima	Strong creeping red fescue
20% Sarolea	Slender creeping red fescue
5% Highland	Browntop bentgrass

Application	
Pack size	10kg and 20kg
Sowing rate	30-40g/m <sup>2</sup>
Oversowing rate	15-25g/m <sup>2</sup>
Sowing depth	5-10mm
Mowing height	10-15mm





## CleenCut hardwearing lawns

A mixture of species ensures the production of a high quality lawn with hardwearing characteristics. The addition of Maxima, strong creeping red fescue and perennial ryegrass, ensures a dense, resilient surface which repairs easily after wear.

Contains	
25% Esquire	Perennial ryegrass
25% Platinum	Perennial ryegrass
50% Maxima	Strong creeping red fescue

Application	
Pack size	10kg and 20kg
Sowing rate	35-50g/m <sup>2</sup>
Oversowing rate	20-30g/m <sup>2</sup>
Sowing depth	10-15mm
Mowing height	12-20mm

## CleenCut landscaping

The mixture is ideal for use in a variety of landscape situations including, housing estates, road verges, parkland and play areas. The addition of 4turf® ryegrass (tetraploid) aids rapid establishment, low temperature germination, seasonal stress resilience and excellent wear tolerance.

Contains	
30% Esquire	Perennial ryegrass
30% Double	4turf ryegrass
40% Maxima	Strong creeping red fescue

Application	
Pack size	10kg and 20kg
Sowing rate	35-50g/m <sup>2</sup>
Oversowing rate	20-30g/m <sup>2</sup>
Sowing depth	5-10mm
Mowing height	10-15mm

## CleenCut wicket

The combination of these highly rated perennial ryegrass cultivars gives excellent performance regarding speed of establishment, density and resistance to wear under close mown conditions.

Contains	
25% Claudine	Perennial ryegrass
50% Chardin	Perennial ryegrass
25% Chloe	Perennial ryegrass

Application	
Pack size	10kg and 20kg
Sowing rate	25-75g/m <sup>2</sup>
Oversowing rate	25-60g/m <sup>2</sup>
Sowing depth	10-15mm
Mowing height	Down to 2mm

## CleenCut paddock

A good quality, hard wearing paddock mixture, that will last for many years. The inclusion of strong creeping red fescue ensures good shoot density and minimises trampling damage in wet conditions. Cultivars lower in water soluble carbohydrate (sugar) will help to prevent the worst effects of laminitis.

Contains	
15% Agaska	Intermediate diploid ryegrass
30% Boyne	Intermediate diploid ryegrass
25% Swan	Late diploid ryegrass
20% Maxima	Strong creeping red fescue
10% Comer	Timothy

Application	
Pack size	10kg
Sowing rate	5g/m <sup>2</sup>
Oversowing rate	5g/m <sup>2</sup>
Sowing depth	12-15mm
Mowing height	Down to 15mm if mown

## CleenCut renovator

An ideal mixture for the renovation of worn playing surfaces. Contains 4turf® tetraploid perennial ryegrass for rapid establishment. Perennial ryegrass provides a hard-wearing turf with excellent colour and disease resistance.

Contains	
20% Esquire	Perennial ryegrass
20% Platinum	Perennial ryegrass
60% Double	4turf ryegrass

Application	
Pack size	10kg and 20kg
Sowing rate	35-70g/m <sup>2</sup>
Oversowing rate	30-40g/m <sup>2</sup>
Sowing depth	5-10mm
Mowing height	Down to 15mm

## CleenCut tennis & square

A superior three-way blend of elite dwarf ryegrass cultivars, engineered for rapid establishment, durability, and a refined finish. Ideal for tennis courts and cricket squares but also suited to a variety of situations including lawns, parks and golf tees. It thrives in high-wear areas and supports late-season overseeding for enhanced winter coverage and year-round resilience.

Contains	
50% Baradona	Perennial ryegrass
25% Barprrium	Perennial ryegrass
25% Barsignum	Perennial ryegrass

Application	
Pack size	20kg
Sowing rate	30-50g/m <sup>2</sup>
Oversowing rate	20-30g/m <sup>2</sup>
Sowing depth	10-15mm
Mowing height	Down to 6mm

## CleenCut tough tees

A reliable, hard wearing, quick to establish, self-regenerating mixture. Creating a thick and strong surface. Ideal for tees and divot mixtures.

Contains	
40% Baradona	Perennial ryegrass
20% Baromario	Perennial ryegrass
40% Barrisse	Strong creeping red fescue

Application	
Pack size	20kg
Sowing rate	20-35g/m <sup>2</sup>
Oversowing rate	15-25g/m <sup>2</sup>
Sowing depth	8-12mm/rootzone
Mowing height	Down to 8mm

## CleenCut multisport renovation

A robust four-way perennial ryegrass mixture, designed for rapid establishment, exceptional wear tolerance, and strong recovery. With high shoot density and durability, this classic sports turf blend is ideal for a wide range of applications, particularly winter sports, ensuring a resilient and high-performing playing surface through the year.

Contains	
50% Barorlando	Perennial ryegrass
30% Fandango	Perennial ryegrass
10% Barprrium	Perennial ryegrass
10% Baradona	Perennial ryegrass

Application	
Pack size	20kg
Sowing rate	30-50g/m <sup>2</sup>
Oversowing rate	15-30g/m <sup>2</sup>
Sowing depth	10-15mm
Mowing height	Down to 10mm

# Wildflower planning

## Meadow type

First consider which type of meadow you would like to create depending on the attributes of your site and your objectives:

### Wildflower meadows

- Mimic existing semi-natural habitats
- Can be established on poor soils
- Often contain grasses
- Contain only native grasses and wildflowers

### Ornamental flowering meadows

- Have a long flowering period
- Can be established on sites with higher nutrient levels
- Does not usually contain grasses
- Can contain non-native or cultivated ornamental plants



## Soil nutrient levels

It is important to understand the soil properties if your intention is to create a wildflower meadow. Ornamental flowering meadow mixtures can tolerate most soil types but prefer soils which can retain some moisture. Wildflower meadows containing annual wildflower species are also able to cope with slightly higher nutrient levels in the soil. Wildflower meadows containing perennial wildflower species require soils with low nutrient levels as these favour less vigorous plants and enable a greater species diversity to develop. Low levels of nitrogen and phosphorus in the soil are of particular importance for creating species diverse wildflower meadows.

### Nitrogen

The amount of nitrogen in the soil is difficult to measure accurately because nitrogen is a particularly mobile nutrient with the plant available forms, nitrate ( $\text{NO}_3^-$ ) and ammonium ( $\text{NH}_4^+$ ) fluctuating considerably over short periods of time. Nitrogen levels are therefore often estimated based on known contributing factors such as soil texture and previous site use. As a guide, silt, loam and clay soils are more likely to retain nitrogen over time than sandy soils. In addition, a recent history of cultivation or fertilisation of the site is likely to result in high nitrogen levels which may need to be reduced before a species rich wildflower meadow can be established successfully.

### Phosphorus

High levels of soil phosphorus promote growth of competitive grass species at the expense of wildflowers. Existing semi-natural wildflower meadows that are flower rich tend to have low soil phosphorus levels (soil index 1-2). When trying to establish a wildflower meadow at a new site, it is preferable if soil phosphorus levels are below soil index 2 (16 mg/l).

### Soil moisture

It is always important that soils can supply sufficient moisture to support plant growth. This can be achieved on a variety of soil types; however, specific mixes are more suitable for soils or sites which are prone to being wet. For example, soils with a high clay content, wetland sites or pond edge sites.

### Light

Most wildflower meadows and ornamental flowering meadows are located in areas which receive a good amount of sunlight. If a site is particularly shady, a specialist seed mix designed for shady conditions will be required containing species which are adapted to low light levels.



# Wildflower seed sowing

## Timing

In general, ornamental flowering meadow seeds are best sown in the spring. Annual wildflower meadow seeds can be sown in the autumn and perennial wildflower meadow seeds in late summer/autumn. Both types of wildflower meadow seeds can also be sown in the spring if conditions are unsuitable in the autumn, for example, if waterlogged conditions over the winter are expected.

## Sowing

Use the correct sowing rate for the seed mix and sow seeds evenly either by hand or using a seed spreader or drill. Because sowing rates for wildflower seed are low, it is usually helpful to mix the seed with a carrier material such as slightly damp sand. Ensure good seed to soil contact by pressing the seeds into the soil using a roller or the back of a rake or by irrigating with a fine spray after sowing.

Keep the soil surface moist but not overly wet until the seeds have germinated and established. When supplementary irrigation is required be sure to irrigate slowly and gently to avoid disturbing the seeds.

# Wildflower seed mixtures

Agrovista wildflower meadow mixture range	26
Pro Flora range	27
Colour Boost range	27



# Agrovista wildflower meadow mixture range

Agrovista Amenity have developed a range of native species wildflower meadow mixtures. These are designed to mimic some of the flower rich, semi-natural habitats that exist in the UK and which are vital resources for wildlife. Our mixes are available as either 80% grass mixed with 20% wildflower or as 100% wildflower for oversowing into existing grassland areas.

Site description	Seed mixture	Available as:	
		80/20 mix	100% wildflower mix
Well-drained soils	Classic meadow wildflower mix	Yes	No
	Acid grassland wildflower mix	Yes	No
	Calcareous grassland wildflower mix	Yes	No
	Shade, hedgerow and woodland wildflower mix	Yes	No
Poorly drained soils	Heavy clay soils wildflower mix	Yes	No
	Floodplain meadow wildflower mix	Yes	No
	Wetland and pond edge wildflower mix	Yes	No
Higher nutrient soils	High nutrient soils annuals and perennials wildflower mix	No	Yes
	Cornfield annuals mix	No	Yes



## Pro Flora range

Add colour, biodiversity and interest to the golf course with native wildflower meadow mixtures.

Site description		UK native wildflowers	Grasses
Pro Flora 1	Cornfield annuals	20%	80%
Pro Flora 2	Acid soils		
Pro Flora 3	Damp soils		
Pro Flora 4	Calcareous soils (chalk)		
Pro Flora 5	Wet soils		
Pro Flora 6	Dry soils		
Pro Flora 7	Hedgerow and light shade		
Pro Flora 8	Legacy general purpose		
Pro Flora 9	Heritage general purpose	10%	90%
Pro Flora 10	General purpose plus annuals		
Pro Flora 11	Woodland and general shade	20%	80%
Pro Flora 12	Water margins and pond edges		
Pro Flora 13	Species rich lawns and landscape		
Pro Flora 14	Tall herb and tussock		
Pro Flora 15	Pollinator		
Pro Flora 16	Coastal		
Pro Flora 110	Economy general purpose plus annuals	5%	95%

## Colour Boost range













The Colour Boost range has been designed for maximum floral impact, incorporating both wild flower and garden flowering species.

Seed mixtures	
Carnival	A stunning celebration of bright and bold annuals
Floral	Carpet Low growing annuals to recreate a summer meadow
Skyscraper	Light the sky with high impact taller growing species
Biodiversity	Deliver colour and life with this important mix for wildlife
Honey Bee & Butterfly	A mix of flowering species popular with pollinators
Blush	Annuals to appeal to the heart, in tones of roses and red
Classical	A regal mix of beautiful blues and wonderful whites
Chameleon	Ever-changing mix for bold colour throughout the season
Poppy	100% Poppy - The epitome of remembrance and reflection

# Wildflower management and aftercare













## Perennial wildflower meadows: Livestock grazing

Grazing with livestock is an effective method of managing perennial wildflower meadows and grasslands because it creates uneven growth and distribution of species which leads to habitat niches. Grazing is also a good option in areas where it is difficult to utilise machinery, perhaps because it is too wet or because the ground is too rough.

Suggested grazing regime for perennial wildflower meadows											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
											
Graze if ground conditions allow		Remove livestock to allow the plants to flower					Graze with between 0.4-1 livestock units/ha				













## Perennial wildflower meadows: Mowing

Mowing and removing the clippings can be used to replicate the process of hay cutting and grazing. It is important to remove clippings to avoid nutrients being returned to the soil. Soils for wildflowers are usually low in nutrients to encourage species diversity.

Suggested mowing regime for perennial wildflower meadows											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
											
Leave uncut unless growth is vigorous		Cut and collect clippings	Allow to flower and seed				Cut and collect clippings		Leave uncut unless growth is vigorous		

## Annual wildflower meadows

Cornfield annuals need disturbed ground to stimulate germination of fallen seed. After flowering leave plants long enough for seeds to drop. Preferably wait until the spring before cultivating the ground to avoid leaving bare soil over winter. Cultivating the soil may stimulate growth of fallen seed but it may be necessary to supplement with further sowing in subsequent years.

Suggested management regime for annual wildflower meadows											
Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
											
Leave uncut until spring		Cut and collect clippings and cultivate soil	Leave soil bare to allow germination and/or sow new seed		Allow to flower and seed				Leave uncut until spring		





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**BASIS** CPD  
points as you  
learn

## Useful data

Metric/imperial	30
Area	30
Sports pitch dimensions	30
Sowing rates	30





## Sports turf surface dimensions

Pitch	Dimensions	Area	Rate	Packs Required
Football	100 x 64m	6400m <sup>2</sup>	25-50g/m <sup>2</sup>	8 - 16 x 20kg
Rugby	100 x 69m	6900m <sup>2</sup>	25-50g/m <sup>2</sup>	8 - 16 x 20kg
Hockey	91.4 x 55m	5027m <sup>2</sup>	25-50g/m <sup>2</sup>	7 - 14 x 20kg
Cricket square	30 x 23m	690m <sup>2</sup>	25-50g/m <sup>2</sup>	1 - 2 x 20kg
Lawn tennis	23.8 x 11m	262m <sup>2</sup>	25-50g/m <sup>2</sup>	1 - 2 x 20kg
Bowls	40 x 40m	1600m <sup>2</sup>	10-35g/m <sup>2</sup>	1 - 3 x 20kg
Croquet	32 x 25.5m	816m <sup>2</sup>	25-50g/m <sup>2</sup>	1 - 2 x 20kg
Polo	275 x 185m	50,875m <sup>2</sup>	25-50g/m <sup>2</sup>	64 - 128 x 20kg
Golf green	-	500 - 600m <sup>2</sup>	25-50g/m <sup>2</sup>	1 x 20kg
Overseeding bent	-	1600m <sup>2</sup>	5g/m <sup>2</sup>	1 x 10kg
Tees	-	500 - 600m <sup>2</sup>	25-50g/m <sup>2</sup>	1 - 2 x 20kg
Tees for 18 holes	-	9000 - 10,800m <sup>2</sup>	25-50g/m <sup>2</sup>	11 - 32 x 20kg

## Metric/Imperial

pounds to kilograms	divide by	2.205
kilograms to pounds	multiply by	2.205
ounces to grams	divide by	0.035
grams to ounces	multiply by 5	0.035

## Area conversions

square metres to hectares	divide by	10,000
hectares to square metres	multiply by	10,000
square metres to acres	divide by	4047
acres to square metres	multiply by	4047
square metres to square feet	divide by	10.76
square feet to square metres	multiply by	10.76
square metres to square yards	divide by	1.2
square yards to square metres	multiply by	1.2
acres to hectares	divide by	2.47
hectares to acres	multiply by	2.47

## Amount of grass seed required for an area at different sowing rates

	5g/m <sup>2</sup>	10g/m <sup>2</sup>	15g/m <sup>2</sup>	20g/m <sup>2</sup>	25g/m <sup>2</sup>	30g/m <sup>2</sup>	35g/m <sup>2</sup>	40g/m <sup>2</sup>	45g/m <sup>2</sup>	50g/m <sup>2</sup>
10m <sup>2</sup>	50g	100g	150g	200g	250g	300g	350g	400g	450g	500g
20m <sup>2</sup>	100g	200g	300g	400g	500g	600g	700g	800g	900g	1kg
30m <sup>2</sup>	150g	300g	450g	600g	750g	900g	1kg	1.2kg	1.4kg	1.5kg
40m <sup>2</sup>	200g	400g	600g	800g	1kg	1.2kg	1.4kg	1.6kg	1.8kg	2kg
50m <sup>2</sup>	250g	500g	750g	1kg	1.2kg	1.5kg	1.8kg	2kg	2.3kg	2.5kg
100m <sup>2</sup>	500g	1kg	1.5kg	2kg	2.5kg	3kg	3.5kg	4kg	4.5kg	5kg
200m <sup>2</sup>	1kg	2kg	3kg	4kg	5kg	6kg	7kg	8kg	9kg	10kg
300m <sup>2</sup>	1.5kg	3kg	4.5kg	6kg	7.5kg	9kg	10.5kg	12kg	13.5kg	15kg
400m <sup>2</sup>	2kg	4kg	6kg	8kg	10kg	12kg	14kg	16kg	18kg	20kg
500m <sup>2</sup>	2.5kg	5kg	7.5kg	10kg	12.5kg	15kg	17.5kg	20kg	22.5kg	25kg
600m <sup>2</sup>	3kg	6kg	9kg	12kg	15kg	18kg	21kg	24kg	27kg	30kg
700m <sup>2</sup>	3.5kg	7kg	10.5kg	14kg	17.5kg	21kg	24.5kg	28kg	31.5kg	35kg
800m <sup>2</sup>	4kg	8kg	12kg	16kg	20kg	24kg	28kg	32kg	36kg	40kg
900m <sup>2</sup>	4.5kg	9kg	13.5kg	18kg	22.5kg	27kg	31.5kg	36kg	40.5kg	45kg
1000m <sup>2</sup>	5kg	10kg	15kg	20kg	25kg	30kg	35kg	40kg	45kg	50kg
1 acre	20.2kg	40.5kg	61kg	81kg	101kg	121kg	142kg	162kg	182kg	202kg
1 hectare	50kg	100kg	150kg	200kg	250kg	300kg	350kg	400kg	450kg	500kg

# Professional amenity seed distributor

*Agrovista Amenity is the main stockists for market leading seed brands including Johnsons and Barenbrug.*



To request a brochure or quotation on Johnsons, MM, Barenbrug, Masterline or Designer seed ranges email [enquiries@agrovista.co.uk](mailto:enquiries@agrovista.co.uk) or contact your local Amenity Specialist.





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