6 Key Reasons

Why MM seed mixtures are the right choice for your amenity turf ...

- MM is one of the most respected brands in the UK amenity industry, with over 40 years of experience and knowledge in amenity grass and wildflowers.
- The quality of our seed is unrivalled. We have always strived to deliver more live seeds and less weeds than other companies. We know that quality seed is key, so compromising is not an option.
- Our product portfolio is second to none with performance proven mixtures such as MM50 and MM60, that are used at many leading venues in the UK and Europe.
- All the varieties we market have an excellent breeding pedigree and have been selected and bred for their ability to deliver a range of quality turf characteristics.
- Our HEADSTART® GOLD seed treatment delivers stronger, more resilient seedlings, giving your turf the best possible start.
- Our team of authorised distributors have been selected for their expertise in amenity grass and are well placed to provide technical information and advice.

So the choice is clear - if you want to produce premium amenity turf, it has to start with MM seed.

Contents

SEED QUALITY 4 - 5
HEADSTART® GOLD 6 - 7
WINTER SPORTS 8 - 11
GOLF 12 - 17
SUMMER SPORTS 18 - 25
HORSE RACING 26 - 29
LANDSCAPING 30 - 33
WILDFLOWERS 34 - 35
COLOUR SPLASH 36 - 38
2021 VARIETIES 39
SELECTION CHART 40
USEFUL FACTS AND FIGURES 41
KEY CONTACTS 42
DISTRIBUTORS 43

For all the very latest news and information on the MM Brand, follow us on Twitter @MM_Seed
Or you can visit our website www.lgseeds.co.uk/mm
Seed Quality

If you want your amenity grass to perform without compromise then it is vital to start by selecting and sowing the right mixture. This will encompass a number of key features. Firstly, the mixture will contain species and varieties that have been selected and bred to deliver the results that you would expect – whether it is for a football pitch, tennis court or bowling green.

The quality of the seed that goes into each and every bag is also critical. Nobody wants to introduce weeds onto the site they are seeding and, in addition, excessive quantities of dust or inert matter will make absolutely no contribution to any projects that you are planning to undertake. But seed purity is only half the story – the ability of the clean seed to germinate and establish rapidly is just as important.

When you specify an MM mixture, rest assured that all these important aspects have been covered as part of our comprehensive Quality Control Programme. With state of the art seed cleaning facilities and a well-equipped seed testing laboratory, we know that every seed that goes into an MM bag is there for the right purpose.

With MM there is an added quality bonus – our mixtures are treated with HEADSTART® GOLD. This user-friendly, non-toxic treatment can help your grass get off to the best possible start – especially if conditions at sowing time are less than ideal.

So, next time you are buying an amenity mixture, remember that not all grass seeds are created equal! Make the wrong choice and your project could be compromised from day one. Make the right choice – MM mixtures – and all your projects will have the best foundation for future growth.
HEADSTART® GOLD

YOUR KEY TO THE SUCCESSFUL ESTABLISHMENT OF ALL GRASS AREAS.

The revolutionary natural grass seed treatment that ensures rapid germination.

HEADSTART® GOLD is the latest in performance-enhancing grass seed coatings for sports fields, golf courses, lawns and amenity turf.

HEADSTART® GOLD is a biological germination accelerator which is the second generation of the original HEADSTART formula. HEADSTART® GOLD has been further developed and improved in a number of different ways through research, testing and field trials work. HEADSTART® GOLD includes major and micro nutrients which include Phosphorus, Sulphur, Copper and Molybdenum. These nutrients stimulate root formation, development and growth, ensuring that the seedling grass plant develops a strong root system during the critical start-up phase. This leads to better access to moisture and nutrients and makes the grass seedling stronger and more resistant to stress.

In a short time, HEADSTART® GOLD can help you by giving faster germination, creating stronger roots and ultimately, healthier and stronger amenity turf. The improved seed technology of HEADSTART® GOLD works to help improve amenity grass establishment in all situations. This, along with quality MM seed, gives sports and amenity turf the best possible start.

HEADSTART® GOLD comes as standard on all MM seed mixtures. MM seed offers the highest quality seed in germination and purity standards, meeting the high demands and expectations of today’s professional grass users.

**Biostimulants**
- Promote the supply of nutrients
- Ensure efficient use of nutrients
- Prevent deficiency of trace elements

**Molybdenum (Mo)**
- Essential trace element for initial growth
- Required for enzymes that are involved with protein formation

**Phosphorus (P)**
- Essential for photosynthesis and synthesis oils, sugars, starches and enzymes
- Ensures rapid rooting
- Enhances stress resistance

**Copper (Cu)**
- Important trace element for re-growth
- Part of enzymes in photosynthesis / metabolism
- Stimulates production of lignin rigid cell walls

**Sulphur (S)**
- Basic building block for production of proteins, hormones & vitamins

**Enzyme Activity**
- Stimulates growth of roots/shoots
- Provides energy to start photosynthesis

**Seaweed Extract with High Cytokinin Content**
- Promotes cell division & metabolism
- Leads to faster germination

**Phosphorus (P)**
- Essential for photosynthesis and synthesis oils, sugars, starches and enzymes
- Ensures rapid rooting
- Enhances stress resistance
FOOTBALL AND RUGBY

Selecting the correct mixture is vitally important when renovating or constructing a winter sports pitch. The mixtures must be able to perform in different environments; from the public park pitch, to a premier league stadium, and provide a first class sward.

MM60 has been developed over the years with these demands in mind, to provide high quality grass surfaces across the country. The four way ryegrass blend contains top rated cultivars. These cultivars together produce a sward that recovers from scarring and divot damage. They are quick to germinate, and establishment is rapid thanks to the HEADSTART® GOLD treatment. Superior disease resistance along with good all year colour make this the mixture of choice for many grounds managers.

For new pitch constructions, MM Universal Sport may also be used. This ryegrass and fescue mixture will establish quickly giving a dense, hard wearing sward that has strong root growth in the early stages of sward development. The mix contains high quality cultivars that perform in a wide range of situations.
The leading winter sports renovation mixture

Renovation of football pitches, rugby pitches and sports fields.

MM60 Mixture Benefits:

- Fast germination and establishment
- Produces a dense, hard-wearing sward
- Recovers quickly from damage and wear
- Annecy helps provide superior leaf spot and fusarium resistance
- Produces an excellent playing surface in a stadium environment

**MM Universal Sport**

Football, rugby and general sports fields

Multisuse mixture for sports pitches and amenity areas.

**MM Universal Sport Mixture Benefits:**

- Fast germination
- Rapid establishment of sward
- High disease resistance
- Good wear tolerance
- Excellent winter and summer colour
- Contains new highly rated cultivars

**SOWING RATE:** 35g - 60g/m²

**OVERSOWING RATE:** 25g - 70g/m²

**PACK SIZE:** 20kg

**MOWING HEIGHT:** 25mm plus

**MM Tetra Sport**

Football, rugby and general sports fields

Winter sports overseeding mixture.

**MM Tetra Sport Mixture Benefits:**

- Fast germination from Tetraploid Ryegrasses
- Rapid establishment of sward
- High disease resistance
- Good wear tolerance
- Unique and exclusive to the MM range
- Excellent winter and summer colour
- Good drought tolerance
- Contains new highly rated cultivars

**SOWING RATE:** 35g - 50g/m²

**OVERSOWING RATE:** 25g - 50g/m²

**PACK SIZE:** 20kg

**MOWING HEIGHT:** 25mm plus

Bruce Elliot, Head of grounds and estates at Crystal Palace FC explains why he uses MM60:

I’ve used Limagrain’s MM60 throughout my professional career. It’s because I know what I’m going to get with it – for years it has been the number one winter sports mix. What I like about the MM60 is that if you look into the cultivars there is a similarity between them in the ratings in the STRI handbook. All the cultivars in the mix have the same sort of wear resistance, recovery levels and same colour, rather than different shades of green. We want an even product rather than having highs and lows within the difference of the cultivars – Limagrain has always provided me with a consistent product.

Andrew Jackson, Head Groundsman at Stoke City Football Club tells us why he chooses MM60, he said:

MM60 has had a big effect on all of our pitches. The sward density has increased with more plants per square metre, which really helps in the recovery process after a match. I have found the product really good to work with from the grow-in period, due to the HEADSTART® GOLaG® treatment. There’s always good recovery from matches and training and recovery is really fast in the spring time.

**MM 60**

Renovation of football pitches, rugby pitches and sports fields.

**New Formulation**

**ANNECY**

Perennial Ryegrass 25% Perennial Ryegrass

**EUROCOR**

Perennial Ryegrass 25% Perennial Ryegrass

**EUROSPORT**

Perennial Ryegrass 25% Perennial Ryegrass

**EUROPE**

Perennial Ryegrass 25% Perennial Ryegrass

**EUROCORDUS**

Perennial Ryegrass 25% Perennial Ryegrass

**TETRAMAGIC**

Amenity Tetraploid Perennial Ryegrass 40%

**CYRENA**

Perennial Ryegrass 30%

**HEIDRUN**

Strong Creeping Fescue 20%

**MELBOURNE**

Perennial Ryegrass 20%

All mixtures are treated with HEADSTART® GOLD

**SOWING RATE:** 35g - 60g/m²

**OVERSOWING RATE:** 25g - 70g/m²

**PACK SIZE:** 20kg

**MOWING HEIGHT:** 25mm plus
The demand and pressure placed on the modern day greenkeeper to produce the best possible playing surfaces continually grows.

In order to satisfy the needs of golfers today, it is of paramount importance to choose the best grass seed mixtures available. Seed quality, purity and vigour are the essential building blocks for success. Don’t compromise your plans and projects, choose seed from the MM range.

GOLF GREENS
Greens are often the focus of praise (or criticism!) at any club and are invariably what the whole course is judged on. Success will largely depend on the skill and expertise of the greenkeeper and their turf management practices. Correct grass seed selection and the desire for improvement are equally important.

The traditional chewings fescue/browntop bent mix, MM11 remains a popular choice in many cases and can be used from spring to autumn. It is ideal for new constructions and overseeding existing swards. MM10 offers a slight variation; both mixtures are fine leaved, disease resistant and make good, dense putting surfaces.

Where it is difficult to maintain fescue in the sward or where levels of wear are greater, use MM9 - a three way browntop bent mixture in late summer/early autumn for best results. Maintenance requirements will be higher as it produces an aggressive growing, tight, dense sward for the ultimate surface.

For ‘Links style’ courses, sustainable golf or for early season overseeding, use MM8, or MM Coastal fescue mixtures, that provide excellent disease resistance, drought tolerance and minimal fertiliser requirements.

GOLF TEES
A mixture that is capable of both rapid establishment and fast recovery from divot scarring and high wear, is a valuable asset on any course. An all ryegrass blend, such as MM50, is the most practical solution.

For large tees where play is less intense, MM22 is a great choice. Where damage and wear are minimal, use MM12 or MM13, both are suited to ‘Links style’ courses, are drought tolerant and have low maintenance requirements.

GOLF FAIRWAYS
Adaptability is probably the key attribute here because soil conditions, light and shade, contouring and wear will vary markedly in different areas of the course. Choose low maintenance, drought tolerant mixtures with creeping varieties where wear levels are low, such as MM12 or MM13. For high divot or intense wear areas, select ryegrass mixtures such as MM22.
Riptide

Used for construction and renovation of golf greens.

**MM CREEPING BENT**

**Benefits:**
- Fast establishment
- Excellent disease resistance
- Produces a very fine dense sward
- Good winter colour
- Tolerates very close mowing

**SOWING RATE:** 8g/m²

**OVERSOWING RATE:** 4g/m²

**PACK SIZE:** 11.35kg

**MOWING HEIGHT:** Down to 4mm

---

**Extreme wear golf greens**

A modern mixture for quick renovations of worn and damaged areas of fine turf.

**MM7 Mixture Benefits:**
- Fast germination and establishment
- High wear tolerance
- Fine leaved
- Fast coverage of damaged areas and emergency repair work

**SOWING RATE:** 35g/m²

**OVERSOWING RATE:** 15 - 25g/m²

**PACK SIZE:** 20kg

**MOWING HEIGHT:** Down to 5mm

---

**Greens**

A traditional mixture, especially useful for spring overseeding of high quality golf greens to improve sward composition and aid recovery from disease scarring.

**MM8 Mixture Benefits:**
- Excellent for spring and summer overseeding
- Very drought tolerant
- Greater disease resistance
- Low nutrient requirement
- Produces a fine, dense sward
- Suits traditional, sustainable and ‘Links style’ regimes

**SOWING RATE:** 25 - 35g/m²

**OVERSOWING RATE:** 15 - 25g/m²

**PACK SIZE:** 10kg and 20kg

**MOWING HEIGHT:** Down to 4mm

---

Greens

Excellent mixture for summer overseeding and autumn renovation of top quality golf greens.

**MM9 Mixture Benefits:**
- Ideal for summer overseeding, autumn renovations and new constructions
- Produces a fine, dense sward for the ultimate playing surface
- Good year-round colour
- High disease resistance
- Hard-wearing
- Very tolerant to close mowing

**SOWING RATE:** 25 - 35g/m²

**OVERSOWING RATE:** 6 - 10g/m²

**PACK SIZE:** 20kg

**MOWING HEIGHT:** Down to 4mm

---

Greens, tees and surrounds

An alternative to the traditional 80:20 mixture for construction, overseeding, renovating and repairing of high quality greens and tees.

**MM10 Mixture Benefits:**
- Produces a fine, dense sward
- Tolerant to close mowing
- High disease resistance and hard-wearing
- Good wear tolerance
- Year round colour
- Excellent for top quality golf greens, tees, surrounds and approaches

**SOWING RATE:** 35g/m²

**OVERSOWING RATE:** 15 - 25g/m²

**PACK SIZE:** 10kg and 20kg

**MOWING HEIGHT:** Down to 4mm

---

Greens

Traditional mixture for overseeding, renovation and construction of high quality golf greens and for sward improvement.

**MM11 Mixture Benefits:**
- Ideal mixture for use in spring, summer and autumn on existing and new surfaces
- Produces a fine, dense sward for superior golf greens
- Tolerant to close mowing
- Excellent disease resistance
- Good wear characteristics
- Lower nutrient and irrigation requirements

**SOWING RATE:** 35g/m²

**OVERSOWING RATE:** 15 - 25g/m²

**PACK SIZE:** 20kg

**MOWING HEIGHT:** Down to 4mm

---

All mixtures are treated with

**NEW FORMULATION**

**CALDRIS** Chewings Fescue 30%

**SEFTON** Browntop Bent 10%

**NEW FORMULATION**

**EGMONT** Browntop Bent 40%

**NEW FORMULATION**

**APORINA** Slender Creeping Red Fescue 25%

**NEW FORMULATION**

**NIKKY** Chewings Fescue 20%

**NEW FORMULATION**

**CALDRIS** Chewings Fescue 40%

**APORINA** Slender Creeping Red Fescue 20%

**NEW FORMULATION**

**CATHY** Slender Creeping Red Fescue 25%

**NEW FORMULATION**

**EGMONT** Browntop Bent 10%

**NEW FORMULATION**

**SEFTON** Browntop Bent 10%
### MM Coastal Mixture

#### Benefits:
- Excellent wear tolerance for fast recovery from creeping
- Ideal for extreme wear areas
- Produces a fine, dense, very hard wearing turf
- Excellent drought resistance
- Low maintenance
- Excellent mixture particularly for new constructions

#### FORMULATION
- **New Mixture**
  - **MIXTURE**
    - APORINA Slender Creeping Red Fescue 50%
    - CATHY Slender Creeping Red Fescue 50%

#### SOWING RATE:
- 15 - 35g/m²

#### OVERSOWING RATE:
- 10 - 25g/m²

#### PACK SIZE:
- 20kg

#### MOWING HEIGHT:
- Down to 5mm

---

### MM 12

#### Tees and Fairways

For excellent wear tolerance and recovery on existing and new golf tees and fairways. Ideal for divotting, overseeding and new construction work.

#### MM 12 Mixture Benefits:
- Excellent wear tolerance for a fine turf mix
- Good, year-round appearance
- Lower nutrient, irrigation and maintenance requirements
- Produces a fine, dense, highly disease resistant sward
- Excellent mixture particularly for new constructions

#### FORMULATION
- **New Formulation**
  - **MIXTURE**
    - HEIDRUN Strong Creeping Red Fescue 40%
    - APORINA Slender Creeping Red Fescue 25%
    - CALDRIS Chewings Fescue 20%
    - CATHY Slender Creeping Red Fescue 10%
    - HIGHLAND Browntop Bent 5%

#### SOWING RATE:
- 35g/m²

#### OVERSOWING RATE:
- 15 - 25g/m²

#### PACK SIZE:
- 20kg

#### MOWING HEIGHT:
- Down to 12mm

---

### MM 13

#### Tees, Fairways and Roughs

High quality traditional mixture for overseeding or renovating fine dense tees, fairways and roughs, particularly where maintenance and input levels are low.

#### MM 13 Mixture Benefits:
- Excellent drought resistance
- Low maintenance requirements
- Good recovery characteristics
- High disease resistance
- Ideal for divotting tees and fairways
- Good winter colour

#### FORMULATION
- **New Formulation**
  - **MIXTURE**
    - APORINA Slender Creeping Red Fescue 20%
    - CALDRIS Chewings Fescue 20%
    - CATHY Slender Creeping Red Fescue 10%
    - CRYSTAL Bent Fescue 10%
    - HEIDRUN Strong Creeping Red Fescue 15%

#### SOWING RATE:
- 35 - 45g/m²

#### OVERSOWING RATE:
- 15 - 25g/m²

#### PACK SIZE:
- 20kg

#### MOWING HEIGHT:
- Down to 12mm

---

### MM 22

#### Tees, Fairways and Outfield Areas

For divotting, repairing, renovating, overseeding and construction of tees, fairways and outfield areas that are subjected to high levels of wear.

#### MM 22 Mixture Benefits:
- Very hard wearing
- Quick to establish and recover
- Good sward density and colour
- Suitable for surrounds and approaches
- Excellent mixture for year round performance

#### FORMULATION
- **New Formulation**
  - **MIXTURE**
    - APORINA Slender Creeping Red Fescue 20%
    - CALDRIS Chewings Fescue 20%
    - CATHY Slender Creeping Red Fescue 10%
    - CRYSTAL Bent Fescue 10%
    - HEIDRUN Strong Creeping Red Fescue 15%
    - PERENNIAL RYEGRASS 50%

#### OVERSOWING RATE:
- 35 - 45g/m²

#### PACK SIZE:
- 20kg

#### MOWING HEIGHT:
- Down to 12mm

---

### MM 50

#### Tees, Fairways and Driving Ranges

A fast establishing mix for overseeding, divotting tees and fairways. MM50 contains a blend of extremely fine leaved Ryegrasses that produce a dense, hardwearing fantastic sward.

#### MM 50 Mixture Benefits:
- Ideal for extreme wear areas
- Fast establishing and resilient - ideal for divotting, seeding and overseeding
- Fine leaved and tolerates close mowing
- High Leaf Spot and Fusarium resistance
- Good density and cleanliness of cut
- Can be used all year long

#### FORMULATION
- **New Formulation**
  - **MIXTURE**
    - APORINA Slender Creeping Red Fescue 20%
    - CALDRIS Chewings Fescue 20%
    - CATHY Slender Creeping Red Fescue 10%
    - CRYSTAL Bent Fescue 10%
    - HEIDRUN Strong Creeping Red Fescue 15%
    - PERENNIAL RYEGRASS 50%

#### SOWING RATE:
- 35 - 45g/m²

#### OVERSOWING RATE:
- 15 - 25g/m²

#### PACK SIZE:
- 20kg

#### MOWING HEIGHT:
- Down to 12mm
SUMMER SPORTS

TECHNICAL OVERVIEW

The inevitable aim of today’s professional groundsman is to produce the best possible, consistent playing surface. In order to achieve this aim, seed quality, purity and vigour are the underpinning factors required for long-term success and are duly provided by the MM range. Make the best possible start by choosing mixtures that suit both the environmental situation and meet the requirements of the maintenance regime.

BOWLING GREENS & CROQUET LAWNS

MM10 is still the most popular choice for high quality bowling greens. This fescue/bent mixture is suitable in many situations. Alternatively, you can use MM8 which is a four way straight fescue mixture. Ideal for free draining, drought susceptible and low input/maintenance bowling greens that are not subjected to excessive wear. MM9 is a three way straight bent mix suited to greens that are less well draining and have higher wear and input/maintenance levels. In certain situations, good results can also be achieved from using a dwarf ryegrass mix such as MM50. Speak to your MM distributor for advice.

CRICKET WICKETS

For intensively used cricket wickets, MM50 is the preferred choice. A five way dwarf ryegrass mixture for the ultimate in wear tolerance, speed of establishment, recovery and tolerance of close mowing. This mixture is currently being used from club cricket right up to Test Match level. For less intensive use and reduced maintenance requirements choose MM29, which offers hard-wearing dwarf ryegrasses along with traditional fescue and bent.

CRICKET OUTFIELDS

Our regular mixture for cricket outfields is MM12, which has low maintenance requirements and good recovery characteristics. Depending on precise requirements, you could also use MM13 for overseeding or MM22 where outfields suffer greater levels of wear.

TENNIS

Excellent performance characteristics make MM50 the number one for tennis up to the highest level. A five way dwarf ryegrass mix offering superior wear tolerance, fast establishment and excellent recovery. For low use and minimal input, use MM29.

Edgbaston Community Sports Ground , Portland Road
Cricket squares renovation and repair

The leading mix for cricket wicket end of season renovation work and mid-season repairs. MM50 contains a blend of fine-leaved ryegrasses that together produce an extremely hard wearing, dense surface that recovers quickly from use.

**MM50 Mixture Benefits:**
- Rapid germination
- Quick recovery from damage and play
- Fine-leaved and hard-wearing
- High shoot density
- High disease resistance
- Tolerant to close mowing
- Good all year-round colour

*SOWING RATE: 35g - 60g/m²
*OVERSOWING RATE: 25g - 50g/m²
*PACK SIZE: 10kg and 20kg
*MOWING HEIGHT: Down to 4mm

---

Cricket squares and outfields

A traditional renovation mix for cricket squares and outfields which contains excellent fine leaved ryegrasses, along with dense fescue and bent grasses.

**MM29 Mixture Benefits:**
- Fast germination
- Fine and dense sward
- Good recovery from damage
- Good disease resistance
- Compact growth
- Clean cutting quality

*SOWING RATE: 35g/m²
*OVERSOWING RATE: 25g - 50g/m²
*PACK SIZE: 20kg
*MOWING HEIGHT: Down to 5mm

---

Cricket outfields without ryegrass

A non-ryegrass outfield mix that produces a very tight sward which will have low nutrient requirements, along with good drought tolerance.

**MM12 Mixture Benefits:**
- Produces a fine dense sward
- Lower mowing requirements
- Less water and nutritional requirements
- Strong recovery from creeping grasses
- Good disease resistance

*SOWING RATE: 25 - 35g/m²
*OVERSOWING RATE: 15 - 25g/m²
*PACK SIZE: 20kg
*MOWING HEIGHT: Down to 12mm

---

Andy Richards, Ground Manager, Haileybury School, believes that nothing compares to Limagrain’s MM brand of grass seed:

“In my mind MM50 is the best seed mix for cricket and fine turf, there is nothing else that can touch it or even compare to it. “MM50 is by far the best seed in terms of recovery”. When trialled against the others, it has proven to be stronger, it has come through thicker and it is more wear tolerant. It has consistently outperformed other seeds we have trialled.

With MM50 you just have the confidence in knowing that it will handle the stresses of four-day cricket where we can’t really water the square as much as we would like to.

---

Robin Saxton, Head Groundsman - Glamorgan Cricket Club, uses MM50, he says:

“I’ve been here since 2013 and even before I arrived MM50 was being used. It shows that myself and others before me have always had faith in the seed and deservedly so because we have tried other seeds against it in side-by-side trials. MM50 has always come up better, nothing has ever beaten it.”

“MM50 is by far the best seed in terms of recovery”. When trialled against the others, it has proven to be stronger, it has come through thicker and it is more wear tolerant. It has consistently outperformed other seeds we have trialled.

With MM50 you just have the confidence in knowing that it will handle the stresses of four-day cricket where we can’t really water the square as much as we would like to.

---

Robin Saxton, Head Groundsman - Glamorgan Cricket Club, uses MM50, he says:

“I’ve been here since 2013 and even before I arrived MM50 was being used. It shows that myself and others before me have always had faith in the seed and deservedly so because we have tried other seeds against it in side-by-side trials. MM50 has always come up better, nothing has ever beaten it.”

“MM50 is by far the best seed in terms of recovery”. When trialled against the others, it has proven to be stronger, it has come through thicker and it is more wear tolerant. It has consistently outperformed other seeds we have trialled.

With MM50 you just have the confidence in knowing that it will handle the stresses of four-day cricket where we can’t really water the square as much as we would like to.

---

Robin Saxton, Head Groundsman - Glamorgan Cricket Club, uses MM50, he says:

“I’ve been here since 2013 and even before I arrived MM50 was being used. It shows that myself and others before me have always had faith in the seed and deservedly so because we have tried other seeds against it in side-by-side trials. MM50 has always come up better, nothing has ever beaten it.”

“MM50 is by far the best seed in terms of recovery”. When trialled against the others, it has proven to be stronger, it has come through thicker and it is more wear tolerant. It has consistently outperformed other seeds we have trialled.

With MM50 you just have the confidence in knowing that it will handle the stresses of four-day cricket where we can’t really water the square as much as we would like to.

---

Robin Saxton, Head Groundsman - Glamorgan Cricket Club, uses MM50, he says:

“I’ve been here since 2013 and even before I arrived MM50 was being used. It shows that myself and others before me have always had faith in the seed and deservedly so because we have tried other seeds against it in side-by-side trials. MM50 has always come up better, nothing has ever beaten it.”

“MM50 is by far the best seed in terms of recovery”. When trialled against the others, it has proven to be stronger, it has come through thicker and it is more wear tolerant. It has consistently outperformed other seeds we have trialled.

With MM50 you just have the confidence in knowing that it will handle the stresses of four-day cricket where we can’t really water the square as much as we would like to.

---

Robin Saxton, Head Groundsman - Glamorgan Cricket Club, uses MM50, he says:

“I’ve been here since 2013 and even before I arrived MM50 was being used. It shows that myself and others before me have always had faith in the seed and deservedly so because we have tried other seeds against it in side-by-side trials. MM50 has always come up better, nothing has ever beaten it.”

“MM50 is by far the best seed in terms of recovery”. When trialled against the others, it has proven to be stronger, it has come through thicker and it is more wear tolerant. It has consistently outperformed other seeds we have trialled.

With MM50 you just have the confidence in knowing that it will handle the stresses of four-day cricket where we can’t really water the square as much as we would like to.

---

Robin Saxton, Head Groundsman - Glamorgan Cricket Club, uses MM50, he says:

“I’ve been here since 2013 and even before I arrived MM50 was being used. It shows that myself and others before me have always had faith in the seed and deservedly so because we have tried other seeds against it in side-by-side trials. MM50 has always come up better, nothing has ever beaten it.”

“MM50 is by far the best seed in terms of recovery”. When trialled against the others, it has proven to be stronger, it has come through thicker and it is more wear tolerant. It has consistently outperformed other seeds we have trialled.

With MM50 you just have the confidence in knowing that it will handle the stresses of four-day cricket where we can’t really water the square as much as we would like to.
The leading ryegrass mixture for all lawn tennis courts. The choice of many of the country’s top lawn tennis venues:

- The Championships, Wimbledon
- Nature Valley International, Eastbourne

It contains a blend of ryegrasses that has been proven to be high performing for many years.

**MM50 Mixture Benefits:**

- Rapid germination
- Quick recovery from damage and play
- Fine-leaved and hard-wearing
- High shoot density
- High disease resistance
- Tolerant to close mowing
- Good year-round colour

Danny Negus (2019 IOG Groundsperson of the Year), head groundsman at Devonshire Park International Tennis Centre in Eastbourne uses MM50, he said:

“I trialled Limagrain’s MM50 last year throughout the three sites which consists of approximately 27 courts. We did this because I wanted to see the reaction of the seed on different sites in different conditions. There are a lot of micro climates around here and it enabled us to see how the seed responded in a tournament situation, and also from a club and a professional use. The results I got back from the trials revealed to me that it was absolutely a no-brainer to continue to use MM50 across all three sites.”

**NEW FORMULATION**

<table>
<thead>
<tr>
<th>FORMULATION</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALISON</td>
<td>35%</td>
</tr>
<tr>
<td>MALIBU</td>
<td>25%</td>
</tr>
<tr>
<td>ANNECY</td>
<td>15%</td>
</tr>
<tr>
<td>VENICE</td>
<td>15%</td>
</tr>
<tr>
<td>SINGAPORE</td>
<td>10%</td>
</tr>
</tbody>
</table>

**SOWING RATE:** 35g - 60g/m²

**OVERSOWING RATE:** 25g - 50g/m²

**PACK SIZE:** 10kg and 20kg

**MOWING HEIGHT:** Down to 8mm
### MM7 Mixture

**Bowling greens and croquet lawns**  
A modern mixture for quick renovation of worn and damaged areas of fine turf.

**MM7 Mixture Benefits:**
- Fast germination and establishment
- High wear tolerance
- Contains fine-leaved ryegrasses
- Fast coverage of damaged areas and emergency repair work

**Sowing Rate:** 35g/m²

**Oversowing Rate:** 15 - 25g/m²

**Pack Size:** 20kg

**Mowing Height:** Down to 5mm

### MM8 Mixture

**Bowling greens and croquet lawns**  
Excellent mixture for summer overseeding and autumn renovation of top quality bowling greens.

**MM8 Mixture Benefits:**
- Excellent for spring and summer overseeding
- Very drought tolerant
- Greater disease resistance
- Low nutrient requirements
- Produces a fine, dense sward

**Sowing Rate:** 25 - 35g/m²

**Oversowing Rate:** 15 - 25g/m²

**Pack Size:** 10 and 20kg

**Mowing Height:** Down to 4mm

### MM9 Mixture

**Bowling greens and croquet lawns**  
An alternative to the traditional 80:20 mixture for construction, overseeding, renovating and repairing high quality bowling greens and croquet lawns.

**MM9 Mixture Benefits:**
- Produces a fine, dense sward
- Tolerant to close mowing
- Highly disease resistant and hard-wearing
- Good wear tolerance
- Year-round colour

**Sowing Rate:** 25 - 35g/m²

**Oversowing Rate:** 5 - 8g/m²

**Pack Size:** 20kg

**Mowing Height:** Down to 4mm

### MM10 Mixture

**Bowling greens and croquet lawns**  
Excellent mixture for summer overseeding and autumn renovation of top quality bowling greens.

**MM10 Mixture Benefits:**
- Excellent for spring and summer overseeding
- Very drought tolerant
- Greater disease resistance
- Low nutrient requirements
- Produces a fine, dense sward

**Sowing Rate:** 35g/m²

**Oversowing Rate:** 15 - 25g/m²

**Pack Size:** 10 and 20kg

**Mowing Height:** Down to 4mm

### MM11 Mixture

**Bowling greens and croquet lawns**  
Excellent mixture for summer overseeding, autumn renovations and new constructions.

**MM11 Mixture Benefits:**
- Ideal for summer overseeding, autumn renovations and new constructions
- Produces a fine, dense sward for the ultimate playing surface
- Good year-round colour
- High disease resistance
- Hard-wearing
- Very tolerant to close mowing

**Sowing Rate:** 25 - 35g/m²

**Oversowing Rate:** 5 - 8g/m²

**Pack Size:** 20kg

**Mowing Height:** Down to 4mm

---

**NEW MIXTURE**

- **CYRENA** Perennial Ryegrass 40%
- **VENICE** Perennial Ryegrass 40%
- **CALDRIS** Chewings Fescue 10%
- **SEFTON** Browntop Bent 10%

**NEW FORMULATION**

- **CALDRIS** Chewings Fescue 30%
- **APORINA** Slender Creeping Red Fescue 25%
- **CATHY** Slender Creeping Red Fescue 25%
- **NIKKY** Chewings Fescue 20%

All mixtures are treated with CYRENA Perennial Ryegrass 40%, VENICE Perennial Ryegrass 40%, CALDRIS Chewings Fescue 10% and SEFTON Browntop Bent 10%.

Jonathan Blakeman, volunteer greenkeeper at Broomefield Bowling Club:  
“We are always trying to introduce different cultivars and finer species into the surface. I have used MM seed mixtures since 2016 and tend to rotate between MM9, MM10 and MM11. I believe that the more desirable cultivars you have in your surface, the more resilient it can be against the challenges of disease, wear and drought tolerance. The MM mixtures are helping us combat these challenges and also produce a fantastic colour all year round.”
RACECOURSES, GALLOPS AND POLO

Racecourses and polo fields have to withstand a high degree of damage from horses over a whole season, which means that selecting the right mixture for renovation is critical.

**MM60** will provide a dense, hard-wearing surface that recovers quickly from divots. As it is 100% ryegrass, it germinates quickly from spring through to late autumn.

**MM Universal Sport** and **MM22** contain ryegrass and fescues, providing cushioning in the bottom of the sward.

**MM Tetrasport** provides a good option for Autumn and Winter overseeding, using the advantages of Tetraploid Ryegrasses.
MM22 Mixture Benefits:
- Fast germination
- Dense, attractive sward
- Good wear tolerance
- Good recovery from damage
- Fescue provides a creeping growth habit and cushioning

**SOWING RATE:** 35 - 45g/m²
**OVERSOWING RATE:** 15 - 25g/m²
**PACK SIZE:** 10 and 20kg
**MOWING HEIGHT:** Down to 25mm

MM Universal Sport Mixture Benefits:
- Quick germination leading to fast establishment
- Hard-wearing, dense, attractive sward
- Fast recovery from divots and damage
- Fescue provides a creeping growth habit and cushioning
- High disease resistance

**SOWING RATE:** 35 - 50g/m²
**OVERSOWING RATE:** 25 - 50g/m²
**PACK SIZE:** 20kg
**MOWING HEIGHT:** Down to 25mm

MM60 Mixture Benefits:
- Extremely fast germination
- Quick establishment
- High wear tolerance
- Fast divot recovery
- High disease resistance
- Produces great colour

**SOWING RATE:** 35 - 50g/m²
**OVERSOWING RATE:** 25 - 50g/m²
**PACK SIZE:** 20kg
**MOWING HEIGHT:** Down to 25mm

MM Tetra Sport Mixture Benefits:
- Grows and germinates at lower soil temperatures
- Fast ground cover and establishment
- Winter and spring overseeding
- **HEADSTART® GOLD** helps winter germination speed
- Unique and exclusive to the MM range
- Improved disease resistance with tetraploid power

**SOWING RATE:** 35 - 75g/m²
**OVERSOWING RATE:** 25 - 50g/m²
**PACK SIZE:** 20kg
**MOWING HEIGHT:** 25mm plus

Adrian Kay, Head Groundsman at York Racecourse has used MM grass seed for many years now:
"Having used MM mixtures from Limagrain for over 15 years, they have always performed to my expectations and given me great results."

Ben Hastie, head Groundsman at Cheltenham Racecourse:
"MM60 has been relied on at Cheltenham for over 25 years and Ben recalls a rigorous seed trial early in his tenure when MM60 proved exactly why it has been the number one choice for so long. In 2006 we trialled 8-10 different mixtures in which we did lots of various tests in numerous conditions. We found that the MM60 was by far the best for what we needed, and we haven’t looked back since then. You know with MM60 that you are going to get great growth and the colour is brilliant. Because we are predominantly a winter sport, we need germination at low temperatures and I know that the MM60 will still be growing even if soil temperatures are 5 or 6 degrees when we are racing in December or January. It is a great product and the health of the turf it produces is better than anything I have seen before."

All mixtures are treated with **HEADSTART® GOLD**.
When selecting mixtures for landscaping purposes, it is vital that due consideration is given to both the end use and the intended maintenance regime.

A non-ryegrass sward will require less maintenance, resulting in reduced mowing and fertiliser requirements, which is better for the environment. **MM16** produces a fine looking sward that is drought and shade tolerant. The inclusion of a range of fescues, particularly Crystal – a top rated hard fescue – provides these key attributes. This mixture is also very good for soil stabilisation of embankments and steep slopes, whilst remaining low maintenance.

Where both lower maintenance and some tolerance to hard wear are required, use **MM21**. This successful blend of ryegrass, fescue and bent grass is well suited for both objectives.

**MM22** will produce a hard-wearing, yet attractive sward that has the fine-leaved ryegrass cultivars alongside the drought tolerant fescues, which together produce an excellent year-round lawn or landscape area.
**MM 16**

Low maintenance lawns and landscape areas

A very low maintenance mixture containing a blend of fescue and bent grasses that together produce a superb looking, very fine drought tolerant mix.

**MM16 Mixture Benefits:**
- Drought and shade tolerant
- Low nutrient requirements
- Reduced mowing
- Good soil stabilisation
- Produces an attractive, fine, dense sward

**SOWING RATE:** 25 - 35g/m²
**OVERSOWING RATE:** 25g/m²
**PACK SIZE:** 20kg
**MOWING HEIGHT:** Down to 12mm

---

**MM 21**

Lawns and landscaping areas with ryegrass

A fine low input ryegrass mix that will produce a hard-wearing dense sward but with lower mowing requirements than many other landscape mixtures.

**MM21 Mixture Benefits:**
- Produces a dense, fine and attractive sward
- Drought and shade tolerant
- Tolerates a range of soil types
- Good year-round appearance
- General purpose mixture

**SOWING RATE:** 35g/m²
**OVERSOWING RATE:** 25 - 35g/m²
**PACK SIZE:** 20kg
**MOWING HEIGHT:** Down to 12mm

---

**MM 22**

Quality lawns and landscape areas

A hard-wearing ryegrass and fescue mix that will produce a superb looking lawn or landscape area.

**MM22 Mixture Benefits:**
- Rapid establishment
- Hard-wearing
- Good recovery from damage
- Excellent year-round appearance
- Produces a fine, attractive sward
- High disease resistance

**FORMULATION**

- **CALDRIS** Chewings Fescue: 30%
- **ANNECY** Perennial Ryegrass: 30%
- **APORINA** Slender Creeping Red Fescue: 15%
- **HEIDRUN** Strong Creeping Red Fescue: 15%
- **CRYSTAL** Hard Fescue: 5%
- **HIGHLAND** Browntop Bent: 5%

All mixtures are treated with

**SOWING RATE:** 35 - 45g/m²
**OVERSOWING RATE:** 15 - 25g/m²
**PACK SIZE:** 10kg and 20kg
**MOWING HEIGHT:** Down to 12mm
LG Wildflowers

LG Range of Wildflowers

All LG Wildflower mixtures contain:

- 80% Low Maintenance Mixture
- 20% Native British Wildflowers

Cornfield Annuals
A popular mixture bringing together:
• Corn Cockle
• Corn Marigold
• Cornflower
• Common Poppy
• Corn Chamomile
Which are all the elements needed to produce a field of traditional British native wildflowers that reflect how meadows would look if they were left to grow wild.

Cornfield Annuals

Corncockle
Corn Marigold
Cornflower
Common Poppy
Corn Chamomile

LG 1 Woodland and Heavy Shade
A suitable mixture for heavy shaded areas and woodlands, the flower species selected are found naturally in these low light environments.

LG 2 Wetland and Water Meadow
A mixture for all damp, moist and wetland soils, it is also suited for banks of ponds, streams and rivers.

LG 3 Limestone Mix
This mixture has been formulated for limestone and chalkland soils types and includes a range of species that are naturally found in these areas.

LG 4 Clay and Heavy Soils Mix
This mixture is suited for use on heavy / clay soil types and environments.

LG 5 Acid Soils Mix
The species selected in the LG 5 mix are suited for acidic soils, they will produce an attractive diverse meadow mixture.

LG 6 General Purpose / Loam Soils Mix
An excellent general-purpose meadow mix suitable for a wide range of habitats and areas.

LG 7 Hedgerow and Semi Shade Mix
A suitable mix for hedgerows and semi shade.

LG 8 Sandy / Dry Soils Mix
A diverse mixture that include a wide range of flower types suitable for sandy and dry soils.

LG 9 Flowering Lawn
The LG 9 Flowering lawn mix combines slow growing grasses and low growing wildflowers that create and attractive flowering lawn or grassland area.

LG 10 Pollinators Mix
The Pollinators mix contains wildflowers and grasses that help create the perfect wildflower meadow and habitat that will attract bees, butterflies and pollinators, this mixture is suitable for a wide range of soils.

Limagrain’s ten different mixtures and the Cornfield Annuals mixture, all contain some of the recommended plants on the Royal Horticultural Society’s ‘plants for pollinators’ list’.

Over the past 50 years, the number of traditional wildflower meadows has sadly declined, which has resulted in a noted decrease of British insects. In order for pollination to take place, we need the perfect flowers to attract those all-important bees so they can ensure the plants become fertilised and produce seeds and fruit.

You can read more about the need for bees on the RHS website www.rhs.org.uk

The Bumblebee Conservation Trust is the only charity in the UK dedicated solely to the protection of bumblebees. Their expert conservation team support bumblebee friendly habitats, raise awareness and gather scientific evidence about bumblebee populations, to safeguard the future of these iconic insects and vital pollinators. You can read more about their work at www.bumblebeeconservation.org.

The Business Member of the Bumblebee Conservation Trust is the only charity in the UK dedicated solely to the protection of bumblebees. Their expert conservation team support bumblebee friendly habitats, raise awareness and gather scientific evidence about bumblebee populations, to safeguard the future of these iconic insects and vital pollinators. You can read more about their work at www.bumblebeeconservation.org.

You can read more about their work at www.bumblebeeconservation.org.
This rich mixture contains varieties such as the Sunbow Zinnia, which provides several waves of flowers. Festival offers good cover and a source of nectar for insects and wildlife. It is an appropriate mixture for dry land, since a lack of water will very well.

ANNUALS: 5 flowers
SOWING: April - June, 2g/m²
HEIGHT: 1 - 1.5m
ADVANTAGES: Good cover; Aurora can be seen easily from a distance
GERMINATION: 8 - 10 days in the correct climatic conditions
FLOWERING: From mid-June to early November. First Cornflower and Chrysanthemums, then Tickseed and Eschscholzia, then Zinnia and finally Cosmos, Zinnia and Tithonia
PACKAGING OPTIONS: 4kg bag and / or 400g metal can / bag

New Wave provides good cover for fauna and a good source of nectar for insects. The mixture features yellow tones and withstands heat and drought very well.

ANNUALS: 7 flowers
SOWING: April - June, 2g/m²
HEIGHT: 0.5m
ADVANTAGES: Good cover with an abundance of flowers
GERMINATION: 8 - 10 days, if the climatic conditions are favourable
FLOWERING: From mid-June to early November. First Cornflower and Chrysanthemums, then Tickseed and finally Trianon Cosmos and Pacific Beauty
PACKAGING OPTIONS: 4kg bag and / or 400g metal can / bag

The Honey Bee mixture is composed of flowering plants for landscaping, which will attract insects, bees and other pollinators. It is the perfect mixture for attracting pollinating insects whilst beautifying the countryside.

ANNUALS: 11 flowers
SOWING: April - June, 2g/m²
HEIGHT: 0.8 - 1m
ADVANTAGES: Pastoral aspect, rapid flowering and 2 to 3 years of cover
FLOWERING: From end of June to end of September the first year, then from April to July in the following years
PACKAGING OPTIONS: 1kg or 4kg bags

This mid-height, strikingly rich mixture was designed to attract butterflies, pollinating insects and in general, small invertebrate or vertebrate fauna. Predatory insects will find food and water and it will provide food for many vertebrates. The inclusion of lupins in the mixture will enrich soil fertility because they have the ability to ‘fix’ nitrogen from the atmosphere.

ANNUALS: 15 flowers
SOWING: From April to mid-June, 2g/m²
HEIGHT: 0.5 - 0.8m
ADVANTAGES: Provides many benefits for the fauna and soil, lasting 2 to 3 years
FLOWERING: From mid-June to late September the first year, then from April to July in the following years
PACKAGING OPTIONS: 1 or 4kg bags

For more information on how to sow Colour Splash mixtures, where to use them and for mixture details, download our Colour Splash catalogue at www.lgseeds.co.uk or email enquiries@limagrain.co.uk.
**Leading MM Varieties for 2021**

1. **PERENNIAL RYEGRASS**
   - **Annecy NEW**
     - Annecy is a new and exclusive variety to the MM range. It is highly rated on the Recommended List for winter sports. It has superb wear tolerance along with great recovery.

2. **FINE FESCUE**
   - **Cathy NEW**
     - Cathy is a new and exclusive variety of Fescue that is extremely dense and disease resistant. It is perfectly suited for use on golf greens and fairways.

3. **SMOOTH STALKED MEADOW GRASSES**
   - **Yvette & Cocktail**
     - Excellent varieties for use in turf production, tees, fairways and landscaping. Both varieties are dense and fine-leaved and this, combined with good wear tolerance, makes them some of the leading smooth stalked meadow grasses on the market today.

---

**POPPY MIX**

Flowers around 50 days after germination then continuously until the first frost.

- **ANNUALS:** 11 flowers
- **SOWING:** Early April to June, 2g/m²
- **HEIGHT:** 0.4 - 0.5m
- **ADVANTAGES:** A great mixture for ground cover
- **GERMINATION:** 8 - 10 days in the correct climatic conditions
- **FLOWERING:** Around 50 days after germination
- **PACKAGING OPTIONS:** 500g packs

**BUTTERFLY MIX**

A mid to tall mixture designed to attract butterflies and other pollinators, the mixture will produce a vast array of flowers in the first year, followed by further flowering in the second year.

- **ANNUALS:** 12 flowers
- **SOWING:** April - June, 2g/m²
- **HEIGHT:** 0.5m
- **ADVANTAGES:** Provides an array of flowers that will attract butterflies, bees and pollinators
- **GERMINATION:** 8 - 10 days in the correct conditions
- **FLOWERING:** End of June until November or first frost in first year then April - July in the second year
- **PACKAGING OPTIONS:** 1kg bag

**FLORAL CANVAS**

Low growing colourful mixture composed of Cornflower, Poppy and Red Flax.

Flowers around 50 days after germination then continuously until the first frost.

- **ANNUALS:** 11 flowers
- **SOWING:** Early April to June, 2g/m²
- **HEIGHT:** 0.4 - 0.5m
- **ADVANTAGES:** A great mixture for ground cover
- **GERMINATION:** 8 - 10 days in the correct climatic conditions
- **FLOWERING:** Around 50 days after germination
- **PACKAGING OPTIONS:** 500g packs

---

**INFORMATION:** These Colour Splash mixes are not native wildflowers and so are unsuitable for any of the agricultural environmental schemes which are designed to attract grant-related funding from DEFRA.

For more information on how to sow Colour Splash mixes, where to use them and for mixture details, download our Colour Splash catalogue at www.lgseeds.co.uk or email enquiries@limagrain.co.uk.
Grass and Seed Selection Chart

<table>
<thead>
<tr>
<th>SURFACE</th>
<th>SOWING (g/m²)</th>
<th>OVERSOWING RATE (g/m²)</th>
<th>SOWING DEPTH (g/m²)</th>
<th>OPTIMAL GERMINATION</th>
<th>OPTIMAL PH RANGE</th>
<th>SALT TOLERANCE</th>
<th>SHADE TOLERANCE</th>
<th>DROUGHT TOLERANCE</th>
<th>SEEDS PER GRAM</th>
<th>ESTABLISHMENT SPEED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Browntop Bent</td>
<td>8-10</td>
<td>4-6</td>
<td>Soil Contact</td>
<td>12 - 27°C</td>
<td>4.0 to 6.0</td>
<td>Poor</td>
<td>Medium</td>
<td>Fair</td>
<td>14000</td>
<td>Slow</td>
</tr>
<tr>
<td>Agrostis capillaris</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Strong Creeping Red Fescue</td>
<td>35-50</td>
<td>25-35</td>
<td>4-7</td>
<td>10 - 25°C</td>
<td>5.0 to 6.0</td>
<td>Excellent</td>
<td>Medium</td>
<td>Medium</td>
<td>1000</td>
<td>Medium</td>
</tr>
<tr>
<td>Festuca rubra rubra</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chewings Fescue</td>
<td>35-50</td>
<td>25-35</td>
<td>4-7</td>
<td>15 - 25°C</td>
<td>4.5 to 5.5</td>
<td>Poor</td>
<td>Good</td>
<td>Fair</td>
<td>1000</td>
<td>Medium</td>
</tr>
<tr>
<td>Festuca rubra commutata</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Slender Creeping Red Fescue</td>
<td>35-50</td>
<td>25-35</td>
<td>4-7</td>
<td>12 - 25°C</td>
<td>5.0 to 6.0</td>
<td>Good</td>
<td>Good</td>
<td>Good</td>
<td>1000</td>
<td>Medium</td>
</tr>
<tr>
<td>Festuca rubra litoralis</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sheep Fescue</td>
<td>35-50</td>
<td>25-35</td>
<td>4-7</td>
<td>12 - 25°C</td>
<td>4.0 to 7.0</td>
<td>Medium</td>
<td>Medium</td>
<td>Excellent</td>
<td>2000</td>
<td>Medium</td>
</tr>
<tr>
<td>Festuca ovina</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hard Fescue</td>
<td>35-50</td>
<td>25-35</td>
<td>4-7</td>
<td>12 - 25°C</td>
<td>4.0 to 7.0</td>
<td>Medium</td>
<td>Medium</td>
<td>Excellent</td>
<td>2000</td>
<td>Slow</td>
</tr>
<tr>
<td>Festuca trachyphylla</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Perennial Ryegrass</td>
<td>35-50</td>
<td>25-35</td>
<td>10-15</td>
<td>10 - 20°C</td>
<td>6.0 to 7.0</td>
<td>Medium</td>
<td>Fair</td>
<td>Fair</td>
<td>750</td>
<td>Fast</td>
</tr>
<tr>
<td>Lolium perenne</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Smooth Stalked Meadow Grass</td>
<td>25-35</td>
<td>15-25</td>
<td>4-7</td>
<td>15 - 30°C</td>
<td>6.0 to 6.5</td>
<td>Medium</td>
<td>Medium</td>
<td>Medium</td>
<td>3250</td>
<td>Slow</td>
</tr>
<tr>
<td>Poa pratensis</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Useful Facts and Figures

Pitch sizes and quantity guide:

<table>
<thead>
<tr>
<th>SURFACE</th>
<th>DIMENSIONS (m)</th>
<th>AREA (m²)</th>
<th>20kg BAG REQUIREMENTS SOWN AT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>20g/m²</td>
</tr>
<tr>
<td>Football</td>
<td>100 x 64</td>
<td>6,400</td>
<td>7</td>
</tr>
<tr>
<td>Rugby</td>
<td>100 x 69</td>
<td>6,900</td>
<td>7</td>
</tr>
<tr>
<td>Hockey</td>
<td>91.4 x 55</td>
<td>5,027</td>
<td>6</td>
</tr>
<tr>
<td>Cricket Square</td>
<td>30 x 30</td>
<td>900</td>
<td>1</td>
</tr>
<tr>
<td>Lawn Tennis</td>
<td>23.8 x 11</td>
<td>262</td>
<td>1.25</td>
</tr>
<tr>
<td>Bowls</td>
<td>40 x 40</td>
<td>1,600</td>
<td>1.75</td>
</tr>
<tr>
<td>Croquet</td>
<td>32 x 25.5</td>
<td>81</td>
<td>1.25</td>
</tr>
<tr>
<td>Golf Green</td>
<td>Average</td>
<td>500</td>
<td>0.5</td>
</tr>
<tr>
<td>Golf Tee</td>
<td>Average</td>
<td>350</td>
<td>0.5</td>
</tr>
<tr>
<td>One Hectare</td>
<td>10,000</td>
<td>10</td>
<td>12.5</td>
</tr>
<tr>
<td>One Acre</td>
<td>4,047</td>
<td>4.25</td>
<td>5.25</td>
</tr>
</tbody>
</table>

Sowing rate conversion chart:

All sowing rates in this booklet are expressed in grams per square metre. The following table can be used to convert these rates into units suited to larger areas or to imperial measure.

<table>
<thead>
<tr>
<th>Grams / square metres</th>
<th>METRIC</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>15</td>
</tr>
<tr>
<td>Kilograms / 100 square metres</td>
<td></td>
</tr>
<tr>
<td>Kilograms / hectare</td>
<td>80</td>
</tr>
<tr>
<td>Kilograms / acre</td>
<td>30</td>
</tr>
</tbody>
</table>

MT: METRIC

80, 150, 250, 350, 500
MM Sales Team 2021

**Matt Gresty**  
AMENITY PRODUCT MANAGER & SEED SPECIALIST  
North West England, Midlands, Channel Islands, Ireland and Wales  
Mobile: 07767 278335  
Email: matthew.gresty@limagrain.co.uk

**Sam Horner**  
AMENITY SEED SPECIALIST  
Southern England  
Mobile: 07769 740314  
Email: sam.horner@limagrain.co.uk

**John Heaphy**  
AMENITY SEED SPECIALIST  
Scotland & North East England  
Mobile: 07774 929742  
Email: john.heaphy@limagrain.co.uk

**Richard Camplin**  
AMENITY PRODUCT DEVELOPMENT MANAGER  
Mobile: 07789 507567  
Tel: 01472 370219  
Email: richard.camplin@limagrain.co.uk

Limagrain is committed to quality and service to the highest degree.  
We are ISO 9001 accredited.

- Direct telephone line to our Customer Service Desk - Dial 01472 370124 for a quick response to all your seed enquiries.
- Careful monitoring of all orders and deliveries.
- First class delivery service with next-day delivery option.

**Key Contacts**

**SCOTLAND, ENGLAND AND WALES**

Agrivista Amenity UK  
Rutherford House, Nottingham Science & Technology Park, University Boulevard, Rutherford House, Nottingham, NG7 2PZ  
North: 01925 758886  
South: 01638 721888  
Email: info@sherriffamenity.com  
Web: www.sherriffamenity.com

**MIDLANDS AND SOUTHERN ENGLAND**

Pitchcare  
Allscott Park, Allscott, Shropshire, TF6 5DY  
Tel: 01952 440250  
Email: sales@pitchcare.com  
Web: www.pitchcare.com

**NORTH EAST ENGLAND**

Turf Technical Ltd  
Glebe View Farm, Hurworth, Darlington, DL2 2EG  
Tel: 01325 492679  
Mob: 07525 747995  
Email: chris@turftechnical.co.uk  
Web: www.turftechnical.co.uk

**EAST MIDLANDS**

Hewitt Sportsturf  
45 Cambridge Road, Cosby, Leicester, LE9 1SJ  
Tel: 0116 286 7029  
Email: info@hewittsportsturf.co.uk  
Web: www.hewittsportsturf.co.uk

**NORTH AND EAST MIDLANDS**

Fineturf  
Allscott Park, Allscott Shropshire, TF6 5DY  
Tel: 01952 440250  
Email: sales@pitchcare.com  
Web: www.pitchcare.com

**SOUTHERN ENGLAND**

MW Turfcare  
Giles Green Farm, Brinkworth, Wiltshire, SN15 5DQ  
Mob: 07967 570272  
Email: mark@mw turfcare.com  
Web: www.mwturfcare.com

**NORTHERN ENGLAND**

Chappelow Sports Turf Ltd  
Calder Farm, Sands Lane, Mirfield, West Yorkshire, WF14 8HU  
Office: 01924 493359  
Email: info@chappelowsportsturf.co.uk  
Web: www.chappelowsportsturf.co.uk

**NORTH WEST ENGLAND AND WALES**

Spunhill Ltd  
Langshaw House, Ellesmere Business Park, Oswestry Road, Ellesmere, Shropshire, SY12 0EW  
Tel: 01691 626006  
Fax: 01691 626001  
Email: sales@spunhill.co.uk  
Web: www.spunhill.co.uk

**CHANNEL ISLANDS**

Eastern Garden Machinery  
La Route De Maufant, Trinity, Jersey, JE3 5AX  
Office: 01534 855466  
Email: admin@easterngardencare.com  
Web: www.easterngardencare.com

**SOUTH EAST**

Indigrow (UK) Ltd  
The Old Bakery, Hyde End Lane, Brimon, Berkshire, RG7 4RH  
Tel: 0118 971 0991  
Email: grass@indigrow.co.uk  
Web: www.indigrow.co.uk