Varieties with the best performance in University of Padua tests

- Trampling resistance
- Low maintenance
- Sunny turfgrass
- Shade tolerance
- High aesthetic quality
- Water savings

Sowing season legend:

- Optimal
- Possible with due maintenance care (irrigation, adversity management)
- Discouraged

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PADANA SEMENTI

is a company that has been manufacturing and marketing seeds for 3 generations, and has been committed to the professional turfgrass sector for the last 20 years, constantly striving to improve. The results achieved thanks to this commitment have been translated into high quality products that are marked:

TOP CLASS professional turfgrasses

Factors that distinguish TOP CLASS products:

RESEARCH and EXPERIMENTATION

TOP CLASS line products were conceived by constantly innovative-oriented work. Partnerships with external research laboratories were strategic for this purpose that allowed reliable and stringent results to be achieved, essential in selecting the best varieties and offering continuously innovative solutions.

Even the most recent American varieties, in fact, must be tested in our environmental conditions to check not only their adaptability but also their suitability for increasingly more sustainable turf management.

Since 2009, tests and experimental projects have been in progress at the University of Padua that have led to top level scientific results. In 2014, some of these, that will be an essential reference for the future of mixtures with tall fescue, were published in the leading American scientific magazine Crop Science (Macolino, S.; Pignata, G.; Giolo, M.; Richardson, M.. Species Succession and Turf Quality of Tall Fescue and Kentucky Bluegrass Mixtures as Affected By Mowing Height. Crop Sci. 2014. 54:1220–1226).

Thanks to what we learned in the experiment, we are able to select, the best varieties to formulate innovative mixtures that are taking real steps ahead in the ornamental and sports turfgrass sector.

QUALITY CONTROL

Padana Sementi is the only Italian seed company in the turfgrass sector to implement an efficient QUALITY CONTROL.

This occurs by monitoring the entire production chain through two instruments:

• the ISO 9001 certified quality control management system;
• an internal laboratory accredited at CREA-SCS (ex ENSE), with highly qualified personnel to control every incoming seed lot, specifically checking germinability and real purity with specific controls on Poa annua and Lolium multiflorum.
The company has a latest generation mixing and bagging system that guarantees high mixture homogeneity from the first to the last bag and fast and total cleanliness of all elements from one mix to the next (total lack of seed contamination between mixtures with different compositions).

Padana Sementi has entertained significant partnerships over the years on the global level with seed companies, geneticists and research centres.

Organising fairs, meetings, field days has provided the public with closer looks at the value of research and appreciate the quality of the new crops, while sales and technical staff is always on hand to work with customers in the organisation of technical and training seminars.

Padana Sementi’s staff is the youngest and most dynamic among Italian seed companies, able to convey an attractive mix of technical and sales professionalism with their enthusiasm, always ready to assimilate the new needs that emerge from a continuously and quickly changing market in advance. Finding tailored solutions to different customer needs that vary from region to region is the essence of this team-work!
SEED MIXED WITH MICORRHIZA AND BIO-ACTIVATORS

The reduction of chemical and agronomic inputs has become a priority and a need for ornamental turfgrasses. Padana Sementi, sensitive to topics of sustainability and reducing environmental impact, was the first sector company to propose, in 2015, mixtures combined with mycorrhizal fungi and concentrated bioactivators, for stronger and stress-resistant plants.

- Concentrated bio-activators, directly mixed with seeds, reactivate soil fertility and optimise biological and chemical synthesis organic residue degradation. They also stimulate root growth and efficiency and improve the microbiological soil balance to benefit the lawn.
- They efficiently establish symbiotic activity between helpful micro-organisms and plants, that promote root growth and functions and increase plant resistance to environmental stress.
- They are a combination of:
  - mycorrhiza and microbial flora (Glomus spp., Gigaspora, Rhizopogon, Trichoderma spp., Bacillus spp.);
  - precious natural enzymatic components (cellulase, hemicellulase, alpha-amylase, beta-amylase, pentosans, gluco-amylase, protease, phosphorylase, pullulanase, pectynase, beta-glucanase, lipase, etc.);
  - active principles of plant origin with high biological activity.

WHAT ARE BIO-ACTIVATORS?

- Are essential instruments for sustainable turf management according to the National Action Plan.
- Promote growth and root functionality.
- Regenerate soil near the rhizosphere.
- Improve microbiological soil balance.
- Increase plant resistance to stress and water unbalances.
Bioactivated seeds are identified by the colour (see photo) with non-toxic pigments.

Mixtures already combined with mycorrhizal fungi and bio-activators

**RIGENERVIT PROF NEW**

**SPORTPLAY LS**

**SPORTPLAY SR**

**BLUE LEX PLUS**

All the other **TOP CLASS** line mixtures can also be coated upon request.

*In vitro* test, seeds combined with bio-activators: after only seven days of experimentation, a protective shield against parasitic fungi can be appreciated around the bioactivated seeds.

The parasitic fungi (yellow and black spots) are blocked by antagonistic fungi (white colonies spread from each coated seed) in the not colonized spaces, unlike the untreated sample.
TOP CLASS mixtures

EXTREME BLUE
Low maintenance, high quality!

✓ It is made up of superior quality tall fescue varieties. Rhambler is a type of rhizomatous with benefits tied to texture and density; Lexington AT has good establishment speed and high tillering production.

✓ It contains Poa Bedazzled and Azimuth ryegrass with performance tested in Italy and guaranteed for improved establishment and ground coverage in all seasons.

✓ Creates a quality lawn for gardens with reduced maintenance.

Use:
Low maintenance garden or park seeding (it tolerates partial shade), even subject to trampling.

Regeneration:
Recommended with the same mixture or with pure tall fescue.

Recommended mowing height:
3-3.5 cm with reel mower; 4-5 cm with rotary mower and low maintenance level.

Sowing rate:
30-35 g/m².

Sowing season:

Packages:
10 kg Top Class paper bag
SPORTPLAY

The reliable and resistant Festuca-Poa mixture

✓ Selected tall fescue varieties contained in the mixture achieve excellent aesthetic parameters (colour and density) and the high hardiness typical of this species.
✓ Poa Marauder guarantees turf compactness and regenerative capacity.
✓ Formula that also well-adapts to marginal terrains, not usually optimal for lawns establishment.
✓ Suited for environments with lack of water or with poor water qualities (salinity, recycled water).
✓ Excellent resistance to *Rhizoctonia solani*.

**Technical notes:**

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<tr>
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**Use:**

Garden seeding (even with partial shade), lawns subject to high trampling.

**Regeneration:**

Recommended with the same mixture or with pure tall fescue.

**Recommended mowing height:**

3-3.5 cm with reel mower and high maintenance levels;
4-5 cm with rotary mower and low maintenance level.

**Sowing rate:**

35-40 g/m².

**Sowing season:**

JAN FEB MAR APR MAY JUN JUL AUG SEPT OCT NOV DEC

**Packages:**

10 kg Top Class paper bag
Top Class mixtures

EMME

Low maintenance mixture also suited for shaded lawns

✓ It is made up of a high percent of superior quality tall fescue varieties, with excellent colour and texture levels.
✓ It is also suited for parks and gardens with heterogeneous lighting and soil conditions.
✓ It can also be used on more difficult terrains.
✓ Recommended for shaded areas.

Technical notes:

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Use:
Low maintenance garden or park seeding, even without irrigation. Suited for shady areas.

Regeneration:
Recommended with the same mixture or with pure tall fescue.

Recommended mowing height:
3,5-5 cm with rotary mower and low maintenance level.

Sowing rate:
30-35 g/m².

Sowing season:

Packages:
10 kg Top Class paper bag

<table>
<thead>
<tr>
<th>Species</th>
<th>Variety</th>
<th>% weight</th>
<th>% No. of Seeds</th>
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</thead>
<tbody>
<tr>
<td>FESTUCA ARUNDINACEA</td>
<td>DETONATE LS</td>
<td>30</td>
<td>15</td>
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<tr>
<td>FESTUCA ARUNDINACEA</td>
<td>TALLADEGA</td>
<td>30</td>
<td>15</td>
</tr>
<tr>
<td>LOLIUM PERENNE</td>
<td>PRESIDIAN</td>
<td>10</td>
<td>6</td>
</tr>
<tr>
<td>POA PRATENSIS</td>
<td>NUBLUE PLUS</td>
<td>10</td>
<td>43</td>
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<tr>
<td>FESTUCA RUBRA RUBRA</td>
<td>KENT</td>
<td>20</td>
<td>21</td>
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</tbody>
</table>

Padana Sementi reserves the right to change mixture compositions in this catalogue if deemed necessary for their improvement.
Adaptable and prestigious lawn

✓ Made up of the best ryegrass (Azimuth) and Poa (Nublue Plus and Bedazzled) varieties that achieve high performance with any maintenance level.
✓ It creates a quality lawn: high density, very fine texture, dark colour.
✓ Ideal for ornamental gardens in cool areas or with the right irrigation, even with intense trampling.
✓ Perfect with sunny exposure, it adapts to partial shade.

Technical notes:

**MAINTENANCE LEVEL:** (1 = low; 5 = high) 1 2 3 4 5

**COLOUR:** (1 = light; 5 = very dark) 1 2 3 4 5

**TEXTURE:** (1 = rough; 5 = fine) 1 2 3 4 5

**IRRIGATION:** (1 = low; 5 = high) 1 2 3 4 5

**ESTABLISHMENT SPEED:** (1 = low; 5 = high) 1 2 3 4 5

Use:
Prestigious ornamental gardens.

Regeneration:
Recommended with RIGENERVIT PROF NEW or pure New Orleans ryegrass.

Recommended mowing height:
2.5-5 cm.

Sowing rate:
25 g/m².

Sowing season:

Packages:
10 kg Top Class paper bag
Top Class mixtures

RIGENERVIT PROF NEW

The best mixture for regeneration

✓ It only contains varieties that have the best test performance: establishment also guaranteed in limiting conditions, with the due care, with late regenerations at the end of the season.
✓ Extremely fast establishment.
✓ It contains the innovative New Orleans creeping ryegrass that further increases the regenerative ability of a thinning lawn.
✓ It creates a quality lawn: high density, very fine texture, dark colour
✓ Superior trampling resistance.
✓ Excellent resistance to fungal diseases, particularly Sclerotinia and rust.

Technical notes:

Use:
Sports field or very used turf regeneration.

Recomended mowing height:
1.5-2 cm with reel mower;
2-4 cm with rotary mower.

Sowing rate:
40 g/m² in regenerations; 20 g/m² for new seeding.

Sowing season:

Packages:
10 kg Top Class paper bag
SPORTFIELD REGENERATION

High quality perennial ryegrass blend, designed for sports fields regeneration with short establishment time and excellent trampling resistance. Creeping ryegrass increases the regeneration ability.

Technical notes:

Use:
Regeneration of ornamental gardens, sports fields and all areas subject to intense traffic.

Sowing rate:
30-40 g/m² in regenerations;
20-25 g/m² for new seeding.

Sowing season:

WINTER SPORTFIELD REGENERATION

Perennial ryegrass blend designed for sports fields winter overseeding, made up by tetraploid and creeping varieties to ensure fast establishment even at low temperatures.

Technical notes:

Use:
Winter regeneration of sports fields, ornamental gardens, and all area subject to intense traffic.

Sowing rate:
30-40 g/m² in regenerations;
20-25 g/m² for new seeding.

Sowing season:

Packages:
10 kg Top Class paper bag.

<table>
<thead>
<tr>
<th>Species</th>
<th>Variety</th>
<th>% weight</th>
<th>% No. of Seeds</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOLIUM PERENNE</td>
<td>APPLE SGL</td>
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<tr>
<td>LOLIUM PERENNE</td>
<td>PRESIDIAN</td>
<td>30</td>
<td>30</td>
</tr>
<tr>
<td>LOLIUM PERENNE</td>
<td>AZIMUTH</td>
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<th>Species</th>
<th>Variety</th>
<th>% weight</th>
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<tr>
<td>LOLIUM PERENNE</td>
<td>NEW ORLEANS</td>
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<tr>
<td>LOLIUM PERENNE</td>
<td>DOUBLE TIME</td>
<td>50</td>
<td>45</td>
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<tr>
<td>LOLIUM PERENNE</td>
<td>PRESIDIAN</td>
<td>30</td>
<td>33</td>
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Padana Sementi si riserva di modificare le composizioni dei miscugli presenti in questo catalogo qualora lo ritenga necessario per il loro miglioramento.

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Packages:
10 kg Top Class paper bag.
“TOP CLASS 4 SOD” brand offers targeted solutions to sod producers, that contain:

✓ Latest generation American genetic variety, capable of ready establishment, even in highly limiting conditions;
✓ Very dark coloured variety with a beautiful aesthetic effect;
✓ Easy maintenance varieties with high disease resistance, for the least amount of treatments;
✓ Aggressive varieties able to limit the development of weeds and produce dense sod in the initial months of cultivation;
✓ 0/0 guaranteed purity or SOD QUALITY seed lots to limit costs due to weed management;

Thanks to research, in association with the University of Padua, Padana Sementi has chosen the best American varieties to be included in mixtures dedicated to sod producers.

The internal laboratory (accredited with CRA-SCS) checks all incoming seed lots on all these varieties to ensure they meet the required germination and purity parameters, even with specific tests for Poa annua and Lolium multiflorum.
**SPORTPLAY SR**

Il miscuglio Festuca-Poa che rivoluziona il mercato

- The single varieties were selected for the best test performance (poa Nublue Plus and rhizamatous tall fescue Rhambler SRP).

- ✓ Finer texture and decisively superior density compared to mixtures with traditional tall fescue.
  ✓ High tolerance to low mowing.
  ✓ Reduced vertical growth that translates into less mowing.
  ✓ Superior aesthetic effect, with levels very close to a Lolium-Poa mix.
  ✓ Excellent resistance to Rhizoctonia solani.

**Technical notes:**

<table>
<thead>
<tr>
<th>Maintenance Level: (1 = low; 5 = high)</th>
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<td>Texture: (1 = rough; 5 = fine)</td>
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**Use:**

Sod production.
Garden seeding (even with partial shade), lawns subject to high trampling.

**Regeneration:**

Recommended with the same mixture or with pure tall fescue Rhambler SRP.

**Recommended mowing height:**

2-2.5 cm with reel mower and high maintenance levels;
3.5-4 cm with rotary mower and low maintenance level.

**Sowing rate:**

35-40 g/m².

**Sowing season:**

<table>
<thead>
<tr>
<th>GEN</th>
<th>FEB</th>
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**Species Variety %**

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<tr>
<th>Species</th>
<th>Variety</th>
<th>% weight</th>
<th>% No. of Seeds</th>
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<tbody>
<tr>
<td>FESTUCA ARUNDINACEA</td>
<td>RHAMBLER SRP</td>
<td>90</td>
<td>52</td>
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<tr>
<td>POA PRATENSIS</td>
<td>NUBLUE PLUS</td>
<td>10</td>
<td>48</td>
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</table>

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**Packages:**

- 10 kg Top Class paper bag
- 1 kg Top Class box (10 pcs. per box)
Top Class 4 SOD mixtures

SPORTPLAY LS
The revolutionary monovarietal mixture Festuca arundinacea rhizomatous DETONATE LS and Poa pratensis MEMORY

✓ The Festuca arundinacea DETONATE LS is characterized by a very fine texture and a dark color even in winter.
✓ Great tolerance to low cuts and stress.
✓ Reduced vertical growth, which translates into fewer cuts.
✓ High density, this allows for a uniform lawn throughout the year.
✓ High trampling resistance.
✓ Excellent resistance to Rhizoctonia solani.

Technical notes:

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<tr>
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Use:
Sod production. Garden seeding (even with partial shade), lawns subject to high trampling.

Regeneration:
Recommended with the same mixture or with pure tall fescue Detonate Ls.

Recommended mowing height:
2-2.5 cm with reel mower and high maintenance levels; 3.5-4 cm with rotary mower and low maintenance level.

Sowing rate:
35-40 g/m².

Sowing season:

Packages:
10 kg Top Class paper bag
FORTE NEW PLUS represents the evolution of mixtures made up of perennial ryegrass and Kentucky bluegrass:

✓ Creeping New Orleans ryegrass grants exceptional density even with intense traffic and contributes to the recovery speed.
✓ Azimuth guarantees fast establishment and stress tolerance.
✓ Poa Nublue Plus is dark in colour with significant recovery capacity and superior trampling resistance.
✓ The mixture guarantees indubitable technical sports qualities and a high aesthetic level.

Use:
Sports fields and lawns subject to high trampling.
Sod production.
High quality public or private garden seeding.

Regeneration:
Recommended with RIGENERVIT PROF NEW or pure New Orleans ryegrass.

Recommended mowing height:
1.5-2 cm with reel mower; 2-4 cm with rotary mower.

Sowing rate:
15-18 g/m².

Sowing season:

Packages:
10 kg Top Class paper bag
Use:
The result of years of accurate variety comparisons: it produces a ready to establish lawn and fast sod holding, with high aesthetic effects.
✓ Perfect for sports use.
✓ Azimuth guarantees aesthetic quality, fast establishment and good stress tolerance (even in summer).
✓ Poa Nublue Plus is dark in colour with significant recovery capacity and superior trampling resistance.

Recommended mowing height:
2.5-3 cm with reel mower; 3-4 cm with rotary mower.

Sowing rate:
20-30 g/m².

Sowing season:

Use:
Sports field or very used turf regeneration.

Technical notes:

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The result of years of accurate variety comparisons: it produces a ready to establish lawn and fast sod holding, with high aesthetic effects.
✓ Perfect for sports use.
✓ Azimuth guarantees aesthetic quality, fast establishment and good stress tolerance (even in summer).
✓ Poa Nublue Plus is dark in colour with significant recovery capacity and superior trampling resistance.

Recommended mowing height:
2.5 cm with reel mower and high maintenance levels; 4.5 cm with rotary mower and low maintenance level.

Sowing rate:
30-40 g/m².

Sowing season:

Technical notes:

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The result of years of accurate variety comparisons: it produces a ready to establish lawn and fast sod holding, with high aesthetic effects.
✓ Perfect for sports use.
✓ Azimuth guarantees aesthetic quality, fast establishment and good stress tolerance (even in summer).
✓ Poa Nublue Plus is dark in colour with significant recovery capacity and superior trampling resistance.

Recommended mowing height:
2.5 cm with reel mower and high maintenance levels; 4.5 cm with rotary mower and low maintenance level.

Sowing rate:
30-40 g/m².

Sowing season:

Technical notes:

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Sowing season:

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Sowing rate:
30-40 g/m².

Sowing season:
**SPECIAL SOD**
One of a kind mixture with rhizomatous tall fescue and creeping perennial ryegrass

- The high percentage of rhizomatous tall fescue guarantees, in addition to hardiness typical of this species, high density, fine texture and aesthetic quality.
- Creeping ryegrass ensures fast lawn establishment, high density and fast recovery.
- SPECIAL SOD provides shorter sod harvests than mixtures with Kentucky bluegrass, with good sod holding.

**Technical notes:**

<table>
<thead>
<tr>
<th>MAINTENANCE LEVEL:</th>
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**Recommended mowing height:**
2-3.5 cm with reel mower and high maintenance levels;
4-5 cm with rotary mower and low maintenance level.

**Sowing rate:**
30-40 g/m².

**Sowing season:**

- **Packages:**
  - 10 kg Top Class paper bag

---

**BLUEGRASS MIX**
Blend of two Kentucky bluegrass varieties for pure sod production with high aesthetic quality:

- The combination of Nublue Plus and Marauder guarantees a lawn that keeps its features unaltered all year round, maintaining an excellent colour even in summer and winter.
- Moderate vertical growth, fast spring recovery.

**Technical notes:**

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</table>

**Recommended mowing height:**
2.5 cm with reel mower and high maintenance levels;
4-5 cm with rotary mower and low maintenance level.

**Sowing rate:**
7-8 g/m².

**Sowing season:**

- **Packages:**
  - 10 kg Top Class paper bag
### Cool-season species

#### POA PRATENSIS

<table>
<thead>
<tr>
<th>VARIETY</th>
<th>DISTINCTIVE ELEMENTS</th>
<th>VARIETY FEATURES (SCALE 1 – 5)</th>
<th>USE</th>
<th>SOWING RATE</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>ΝΟΒΛΕΕ ΠΛΥΣ</strong></td>
<td>“Midnight” type variety with very dark colour and fine texture. Faster establishment than other varieties. Excellent vegetative development in summer with colour hold and good tolerance to temperatures and drought.</td>
<td>Genetic colour 5&lt;br&gt;Shoot density 4&lt;br&gt;Establishment vigour 4&lt;br&gt;Spring green-up 4&lt;br&gt;Drought tolerance 4&lt;br&gt;Disease resistance 4</td>
<td>• Pure: sod.&lt;br&gt;• Mixed: sports fields, sod, ornamental gardens, golf courses.</td>
<td>7-8 g/m²</td>
</tr>
<tr>
<td><strong>ΜΕΜΟΙΔΥ</strong></td>
<td>Dark color, excellent performance both in sunny and shaded conditions. Great resistance to drought and disease, in particular Summer Patch and Leaf Spot.</td>
<td>Genetic colour 5&lt;br&gt;Shoot density 4&lt;br&gt;Establishment vigour 4&lt;br&gt;Spring green-up 4&lt;br&gt;Drought tolerance 5&lt;br&gt;Disease resistance 5</td>
<td>• Recommended for both ornamental lawns and sports fields.</td>
<td>7-8 g/m²</td>
</tr>
<tr>
<td><strong>ΜΛΛΑΙΡΕΔΕΡ</strong></td>
<td>Deep green colour. Selected for its high density and fast spring recovery. Good disease resistance.</td>
<td>Genetic colour 5&lt;br&gt;Shoot density 4&lt;br&gt;Establishment vigour 3&lt;br&gt;Spring green-up 5&lt;br&gt;Drought tolerance 4&lt;br&gt;Disease resistance 4</td>
<td>• Recommended for both ornamental lawns and sports fields.</td>
<td>7-8 g/m²</td>
</tr>
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#### FESTUCA ARUNDINACEA

| BORNEO | Bright green colour bunch-type tall fescue. Good establishment and disease tolerance (above all, leaf rusts and red thread – Laetisaria fuciformis). | Turf quality 4<br>Genetic colour 3<br>Shoot density 4<br>Leaf Texture 3<br>Establishment vigour 4<br>Trampling resistance 4<br>Disease resistance 4 | • Sod.<br>• Low maintenance and high quality ornamental lawns.<br>• Sports fields. | 35-40 g/m² |
### FESTUCA ARUNDINACEA

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<tr>
<td>Detonate LS</td>
<td>(Dynamite LS, in USA) exhibits very aggressive tillering with lateral spread technology and produces a very dense turf, which makes for a very wear tolerant variety. Detonate LS is a dark green, slow growing variety resulting in fewer mowings and reduced clippings.</td>
<td>Turf quality</td>
<td>5</td>
<td>Sod. • Low maintenance and high quality ornamental lawns. • Sports fields.</td>
</tr>
<tr>
<td>Rhizomatous type variety</td>
<td>Produces a turf with high density and thin texture. Particularly resistant to low mowing where its aesthetic qualities are accentuated.</td>
<td>Turf quality</td>
<td>5</td>
<td>Sod. • Low maintenance and high quality ornamental lawns. • Sports fields.</td>
</tr>
<tr>
<td>LEXINGTON</td>
<td>Bunch type variety defined “Aggressive Tillering”, with high tillering production. It creates a very dense turf. Good colour hold even in winter.</td>
<td>Turf quality</td>
<td>4</td>
<td>Sod. • Low maintenance and high quality ornamental lawns.</td>
</tr>
<tr>
<td>TALLADEGA</td>
<td>Produces a high-quality turf, very dense (“Aggressive Tilling” – AT), with great trampling resistance and superior drought tolerance.</td>
<td>Turf quality</td>
<td>5</td>
<td>Sod. • Low maintenance and high quality ornamental lawns. • Sports fields.</td>
</tr>
<tr>
<td>New American rhizomatous type variety (currently being registered)</td>
<td>It produces a high aesthetic quality turf thanks to its high density and intense dark green colour, hold for long time during the autumn.</td>
<td>Turf quality</td>
<td>5</td>
<td>Sod. • Low maintenance and high quality ornamental lawns. • Sports fields.</td>
</tr>
</tbody>
</table>

- Turf quality: 5
- Genetic colour: 5
- Shoot density: 4
- Leaf Texture: 5
- Establishment vigour: 3
- Trampling resistance: 5
- Disease resistance: 4

- Turf quality: 4
- Genetic colour: 5
- Shoot density: 4
- Leaf Texture: 3
- Establishment vigour: 3
- Trampling resistance: 4
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- Turf quality: 5
- Genetic colour: 5
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- Turf quality: 5
- Genetic colour: 5
- Shoot density: 5
- Leaf Texture: 4
- Establishment vigour: 3
- Trampling resistance: 4
- Disease resistance: 4
LOLIUM PERENNE

DARK GREEN COLOUR VARIETY

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<tr>
<td>Apple SGL</td>
<td>Its dark green color, fine leaf texture, wear and trampling resistance, make Apple SGL ideal for all turf needs. Thanks to the great ability to withstand diseases, in particular Gray Leaf Spot (<em>Pyricularia grisea</em>) and tolerate high salinity levels, it's suitable in many environmental conditions.</td>
<td>Genetic colour 5, Shoot Density 4, Drought tolerance 4, Establishment vigour 5, Trampling resistance 5, Disease resistance 5</td>
<td>• Recommended for both ornamental lawns and sports fields. • Regenerations and overseeding.</td>
<td>25-30 g/m², 50 g/m² for regenerations</td>
</tr>
<tr>
<td>Azimuth</td>
<td>Very dark colour and fine leaf texture. Superior trampling resistance. Excellent resistance in summer. Good resistance to Fusariosis, <em>Pythium</em> and <em>Rhizoctonia</em>. High endophyte content.</td>
<td>Genetic colour 5, Shoot Density 4, Drought tolerance 3, Establishment vigour 5, Trampling resistance 5, Disease resistance 5</td>
<td>• Can be used both pure and in mixtures for sports fields, golf courses, ornamental lawns. • Regenerations and overseeding.</td>
<td>25-30 g/m², 50 g/m² for regenerations</td>
</tr>
<tr>
<td>Presidian</td>
<td>Very dark colour all year round. Fine leaf texture. Excellent trampling and drought-stress resistance. High endophyte content.</td>
<td>Genetic colour 5, Shoot Density 4, Drought tolerance 4, Establishment vigour 4, Trampling resistance 5, Disease resistance 5</td>
<td>• Can be used both pure and in mixtures for sports fields, golf courses, ornamental lawns. • Regenerations and overseeding.</td>
<td>25-30 g/m², 50 g/m² for regenerations</td>
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<tr>
<td>Adagio</td>
<td>Last generation Italian genetics. This variety is characterized by high trampling resistance, excellent leaf fineness and aesthetic quality. Rapid establishment.</td>
<td>Genetic colour 4, Shoot Density 4, Drought tolerance 3, Establishment vigour 5, Trampling resistance 5, Disease resistance 4</td>
<td>• Recommended for recreational and sports lawns, subject to wear and trampling.</td>
<td>25-30 g/m²</td>
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<tr>
<td>Confetti</td>
<td>Cultivar with a dark color, fine texture, rapid germination and Establishment vigour. High adaptability to sunny and shady locations. Variety particularly suitable for autumn mounds on warm-season, as it is characterized by a rapid transition in spring. High adaptability to all types of soils and pH, suitable for both sporting and ornamental uses.</td>
<td>Genetic colour 4, Shoot Density 5, Drought tolerance 4, Establishment vigour 5, Trampling resistance 5, Disease resistance 4</td>
<td>• Warm-season grasses overseeding for both sports fields and ornamental lawns.</td>
<td>25-30 g/m², 50 g/m² for regenerations</td>
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### Varieties of Ryegrass

#### Perennial Ryegrass
- **Double Time Ryegrass**
  - **Distinctive Elements:** Tetraploid ryegrass turf-type. Specifically selected for regenerations. Fast establishment even at low temperatures (vegetative development even under 6 °C). High wear tolerance and trampling resistance. Excellent for warm-season grasses winter overseeding, with full summer transition.
  - **Use:** Fall sports fields and warm season grasses overseeding.
  - **Sowing Rate:** 35 g/m², 50 g/m² for regenerations.

#### Tetragram
- **Tetragram**
  - **Distinctive Elements:** Tetraploid cultivar of dark color indicated for overseeding. Equipped with good tolerance to stress and disease. High installation speed and great trampling resistance.
  - **Use:** Fall sports fields and warm season grasses overseeding.
  - **Sowing Rate:** 35 g/m², 50 g/m² for regenerations.

#### Axcella
- **Axcella**
  - **Distinctive Elements:** Annual turf-type tetraploid ryegrass. Specifically selected for fall warm-season grasses overseeding: the annual cycle ensures full spring transition. Very high germination and initial vigour. High trampling resistance, good density and texture.
  - **Use:** Warm-season grasses overseeding for both sports fields and ornamental lawns.
  - **Sowing Rate:** 35 g/m², 50 g/m² for regenerations.
# Cool-season species

## Lolium perenne

### Creeping Varieties

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<tr>
<th>Variety</th>
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<th>Variety Features (Scale 1 – 5)</th>
<th>Use</th>
<th>Sowing Rate - Pure</th>
</tr>
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</table>
| New Orleans | Creeping ryegrass. Very dark colour and fine texture. Extremely high density. Reduced vertical growth. Low sowing rate. High weed competition (especially Poa annua). The only ryegrass with recovery capacity. | - Genetic colour: 5  
- Shoot density: 5  
- Drought tolerance: 3  
- Establishment vigour: 5  
- Trampling resistance: 5  
- Disease resistance: 4 | - Pure, it can be used for prestigious turfgrasses and regenerations.  
- Mixed, it is recommended for sports fields, golf courses, ornamental lawns, overseeding. | 15 g/m² for new seeding; 25 g/m² for regenerations |

| Corsica | Latest generation creeping ryegrass. Extremely high density. Reduced vertical growth. Low sowing rate. Fast spring and winter green-up. | - Genetic colour: 5  
- Density: 5  
- Drought tolerance: 3  
- Establishment: 4  
- Trampling resistance: 5  
- Disease resistance: 4 | - Pure, it can be used for prestigious turfgrasses and regenerations.  
- Mixed, it is recommended for sports fields, golf courses, ornamental lawns, overseeding. | 15 g/m² for new seeding; 25 g/m² for regenerations |

### Bright Green Colour Variety

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<th>Variety</th>
<th>Genetic Colour</th>
<th>Density</th>
<th>Drought Tolerance</th>
<th>Establishment</th>
<th>Trampling Resistance</th>
<th>Disease Resistance</th>
<th>Use</th>
<th>Sowing Rate - Pure</th>
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</table>
| Firebird | Genetic colour: 3  
Density: 3  
Drought tolerance: 3  
Establishment: 4  
Trampling resistance: 4  
Disease resistance: 4 | 25-30 g/m², 50 g/m² for regenerations | Extensive low maintenance lawns, overseeding. | 25-30 g/m², 50 g/m² for regenerations |

| Fancy Perennial ryegrass | European genetic variety. It creates a lawn with good density, able to effectively fight off weeds. Medium green colour, indicated for overseeding lawns infested with Poa annua. | - Genetic colour: 3  
- Density: 3  
- Drought tolerance: 3  
- Establishment: 4  
- Trampling resistance: 4  
- Disease resistance: 3 | - Recommended for ornamental and sports lawns. Excellent for overseeding | 25-30 g/m², 50 g/m² for regenerations |
## AGROSTIS STOLONIFERA

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| **PINEHURST** | Highly aggressive development, that creates dense turfgrasses with excellent *Poa annua* limitation. Also maintains good quality levels even with reduced maintenance. | Genetic colour 3  
Disease resistance 3  
Mowing quality 4  
Aggressiveness 5  
Establishment vigour 3 | • Pure, for golf courses green, fairway and tee seeding.  
• Mixed for highly aesthetic lawns. | 5-7 g/m² |
| **DECLARATION** | Variety characterized by vigorous growth and high disease tolerance, specially selected to reduce the use of fungicides, for a more sustainable turf management. | Genetic colour 3  
Disease resistance 5  
Mowing quality 4  
Aggressiveness 5  
Establishment vigour 4 | • Pure, for golf courses green, fairway and tee seeding.  
• Mixed for highly aesthetic lawns. | 5-7 g/m² |
| **PENNCROSS** | Highly adaptable variety, widely known and popular for golf course seeding. Good trampling resistance. | Genetic colour 3  
Disease resistance 4  
Mowing quality 3  
Aggressiveness 3  
Establishment vigour 3 | • Pure, for golf courses green, fairway and tee seeding.  
• Mixed for highly aesthetic lawns. | 7-10 g/m² |
### Dichondra repens

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<td>DICONDRA</td>
<td>Creeping dicotyledon warm-season grass. Ideal for lawn or hard to mow areas. It stands out for its highly decorative and bright green heart-shaped leaf. Highly adaptable, it does not tolerate stagnant water. Good cold resistance (up to -4°C).</td>
<td>Genetic colour 4, Shoot density 3, Winter dormancy 2, Spring green-up 3, Leaf texture 1, Turf quality 4</td>
<td>• Ornamental gardens, lawns, rocky gardens in Mediterranean environments.</td>
<td>10-15 g/m², (sowing rate to be increased with coated seed)</td>
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### PASPALUM NOTATUM (Bahia grass)

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<td>PASPALUM NOTATUM</td>
<td>Species suited for dry, sandy soil, poor in organic substances. It creates a rougher turf than <em>P. vaginatum</em> and needs higher mowing heights (5-8 cm). It does not support temperatures below 0°C for long periods of time.</td>
<td>Genetic colour 3, Shoot density 4, Winter dormancy 2, Spring green-up 2, Leaf texture 2, Turf quality 3</td>
<td>Low maintenance lawns in public areas, embankments, difficult soil lawns and gardens.</td>
<td>10 g/m²</td>
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### PENNISETUM CLANDESTINUM (Kikuyu grass)

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<tbody>
<tr>
<td>WHITTET</td>
<td>Variety characterised by reduced winter dormancy (lower than <em>Cynodon dactylon</em>). Good tolerance to partial shading. Good establishment speed.</td>
<td>Genetic colour 4, Shoot density 3, Winter dormancy 5, Spring green-up 5, Leaf texture 3, Turf quality 3</td>
<td>Ornamental gardens, sports fields.</td>
<td>14-20 g/m², (coated seed)</td>
</tr>
</tbody>
</table>

### Cover crop mix for sod producers

**FERTI-FUM TURF**

**BIOFUMICATION MIXTURE SPECIFIC FOR SOD PRODUCTION**

- The mix controls some common soil pathogens of the lawn (effective against *Pythium*, *Rhizoctonia*, *Fusarium*, *Sclerotinia*, present in soil residues).
- Recovers nutrients in depth and washed out nitrogen.
- Increases the organic matter and the biological activity.
- Reduces soil compaction.

**CYCLE:**

50-55 days until flowering.

- **Spring sowing:** from late winter to June.
- **Fall sowing:** From August to September, to bury within November (the mix is frost sensitive).

**SOWING RATE:** 15-20 kg/ha

**NUTRI & CURA**

**SUMMER COVERCROPS THAT THANKS TO ENRICHMENT WITH BIOACTIVATORS, AND NATURAL ANTAGONIST OF THE SOIL AND BACTERIA PROMOTERS OF GROWTH, INCREASING THE FERTILITY AND STRUCTURE OF THE SOIL.**

- Check out some pathogens such as *Pythium*, *Rhizoctonia*, *Fusarium*, *Sclerotinia*
- Increases soil organic matter and reduces compaction
- Recover nutrients in depth making them available

**CYCLE:** about 40 days from sowing (when it reaches 80-90cm in height).

- **Fall sowing:** starting in May when soil temperatures exceed 16 °C.

**SOWING RATE:** 45-50 kg/ha