

# Turf seeds



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# *Green Ravenna*

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## The Company

**Green Ravenna** was established in 1999, specializing its activities in Turf & Lawn care. Few years later, the Company enhanced its product portfolio, including products for Professional Farmers as well as Non-Professional Users.

**Green Ravenna** is part of an industrial group, entirely dedicated to the agribusiness, leading-edge in production and industrial research of Plant Protection Products aimed to introduce on the market new sustainable products for the crops.

**Green Ravenna** headquarters are located in the city centre of Ravenna, while its operative offices, including Administration, Logistic, Sales & Marketing and Research, are in Cotignola (Ravenna). The linear structure strengthened more and more the collaboration between different business areas.

**Green Ravenna** is active all around Italy, with more than 40 sale agents and 3 line managers, working day by day to match accurately and professionally our customers technical and commercial needs.

Beyond Italy, **Green Ravenna** distributes its products all over Europe, through a strong network of selected partners.



## The Products

**Green Ravenna** markets a wide range of products both for the nutrition and protection of crops, plants and turf, covering the needs for both professional and amateur users.

Before launching the products on the market, Green Ravenna Technicians test them in the fields to assess efficacy, efficiency and the different application techniques, in order to deliver the best possible products to our customers.

**Green Ravenna** respects the Nature and the Environment, developing environmental-friendly new products, suitable for both Conventional and Organic farming, taking care of users and people in the area.

## Research & Development

**Green Ravenna** invests every resources for R&D. Every employee in the Company is dedicated to the study of farmers and market needs, through field trials and technical advices, in order to collect as much information as possible to develop new sustainable solutions.

**Green Ravenna** organization includes a Technical area that, in addition to the development of new products, supports the application through technical teaching to farmers, trying to obtain the best performances from all products.

Further to the internal development, **Green Ravenna** collaborates with internationally-recognized Universities, Research Centers and Companies to provide a wider portfolio of environmental-friendly solutions to our farmers.



# Turf seeds

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## Seeds for high quality turf

With its new turf seeds portfolio, Green Ravenna steps forward into the future: selected varieties, genetically resistant to environmental stresses and adverse weather conditions, always granting the best looking and performances in the field.

The changes occurred in the Regulations on the Sustainable Use of Plant Protection Products as well as our environmental focus lead us to select mixes, which, thanks to the use of advanced technological raw materials, are environmental-friendly, easier to maintain, resistant to abiotic and biotic stresses and need a lower amount of water.

Green Ravenna turf seeds portfolio is made up of six different seed mixtures to cover several operational and economic turf needs: *ornamentals*, *sports* as well as *decoratives*.

The high-quality seeds, certified and free from any infestants, report their purity and germinability rates on every label. Each production batch undergoes a rigorous quality control before packing, then it is certified by the Authorities, which issue a special label, reporting all the information required by law: Certifying Authority, Product Trade name, composition, production date and batch number.

For Green Ravenna, this is not the end of the journey but just the starting point for a continuative research, in collaboration with partners and research stations, aimed to evolve seeds to innovative solutions, able to meet consumer needs and respect for the environment.

## A natural choice for lively lawns

Green Ravenna, together with its sister company SP Sourcon Padena GmbH, dedicated to the Research and Development of products based on microorganisms, studied and developed seed mixtures coated and treated with microbial fertilizer, which is able to enhance seeds physiological state: **EKOseed® TURF**.

**EKOseed® TURF** is a fertilizer, in form of powder, specifically developed for turf seeds treatments, based on different soil bacteria and fungi that, mixed with the seeds, brings several advantages to the turf, such as:



**Better roots development**



**Better nutrients absorption**



**Optimal germination**



**Better turf natural resistance**



**Reduction in abiotic stresses**



**Better plants vigor**



**Reduction in pesticide use**

## Seeds coating

Seeds coating is an efficient method targeted to protect turf seeds, enabling to hold them in a shell.

This technology protects, feeds and ensures better protection to the young plants during the first most critical stages of their development.

Inside the shell there is **EKOseed® TURF**: a natural product, specifically developed for treating turf seeds, which improves lawn health, fostering a homogenous germinability.



### ADVANTAGES OF SEEDS COATING

- *Quick and safe first stage turf development.*
- *Better resistance to biotic stresses.*
- *Protection against birds: most of the birds do not recognized colored seeds as food.*
- *Better roots development.*
- *Local applications of microorganisms that help to increase plants vigor and strength, improving nutrients absorption.*
- *Improved resistance to water and salt stresses.*
- *Seeds protection from damages during sowing.*
- *The color helps the seedling operations, increasing lawn uniformity.*



# Resistente

## Beautiful appearance & great resistance

Turf seeds mixtures targeted to different applications, seeking optimal aesthetic performance, along with resistance to water, temperature, sunlight, footsteps and biotic stresses.

Thanks to the presence of *Festuca arundinacea*, the turf needs a lower amount of water compared to traditional varieties.

*Lolium perenne* grants a quick soil coverage, made even faster by **EKOseed® TURF** (in the right weather conditions and water amount, germination takes place in 8-10 days).

The anticipated germination helps to reduce the infestants.

Over time, *Lolium* will be replaced mainly by *Festuca*, and then, proportionally, by *Poa*.



### COMPOSITION

<b>Festuca arundinacea</b> Titan Ltd.	40%
<b>Festuca arundinacea</b> Fury	40%
<b>Poa pratensis</b> Broadway	10%
<b>Lolium perenne</b> Capri	10%



### CHARACTERISTICS

<b>Color</b>	Dark green
<b>Leaf texture</b>	Medium - Fine
<b>Growth</b>	Slow
<b>Water needs</b>	●●○○○
<b>Nutrients needs</b>	●●○○○
<b>Resistance to biotic stresses</b>	●●●●●
<b>Resistance to shadowing</b>	●●●●○
<b>Tolerance to foot stepping</b>	●●●●●



### PACKAGE

<b>Bag</b> coated & treated seeds	1 kg
<b>Bag</b> treated seeds	5 kg
<b>Bag</b> treated seeds	10 kg



### TECHNICAL NOTES

<b>Sowing Rate</b>	20-35 g/m <sup>2</sup>
<b>Recommended height</b>	20-30 mm

# Ornamentale

## Beautiful appearance & fast establishment

Turf seeds mixture aimed to applications where the appearance is the most important characteristic: fast establishment, good soil coverage, fine leaves and intense green color are the most distinctive properties.

*Lolium* grants a quick germination, made even faster by **EKOseed® TURF** (in the right whether conditions and the right amount of water, germination takes place within 5-8 days): fast soil coverage and hard establishment of infestans allow to live the lawn after few weeks from seedling.

Thanks to *Poa pratensis*, the turf ensures a rapid recovery in case of pruning due to diseases and footsteps.

This mixture grows better in cool weather, but it is able to tolerate well heat and strong sunlight, needing a punctual irrigation, during the most extreme stages.



### COMPOSITION

<b><i>Lolium perenne</i></b> Capri	50%
<b><i>Festuca rubra</i></b> Maxima 1	35%
<b><i>Poa pratensis</i></b> Evora	15%



### CHARACTERISTICS

<b>Color</b>	Intense green
<b>Leaf texture</b>	Medium - Fine
<b>Growth</b>	Slow
<b>Water needs</b>	●●●●○
<b>Nutrients needs</b>	●●●○
<b>Resistance to biotic stresses</b>	●●●○
<b>Resistance to shadowing</b>	●●●○
<b>Tolerance to foot stepping</b>	●●●○



### PACKAGE

<b>Bag</b> coated & treated seeds	1 kg
<b>Bag</b> treated seeds	5 kg
<b>Bag</b> treated seeds	10 kg



### TECHNICAL NOTES

<b>Sowing Rate</b>	20-35 g/m <sup>2</sup>
<b>Recommended height</b>	up to 15 mm

# Ombreggiato

## Ideal for shadow zones

Turf seeds mixture targeted to situation of persistent shadow during the day. It is able to offer the best appearance performances, therefore suitable for residential and luxury estates.

*Lolium* favors a quick germination and a soil coverage, made even faster by **EKOseed® TURF** (with ideal weather conditions and correct water amount, germination takes place within 8-10 days), which, in case of few sunlight, would take longer.

The other varieties, with a slower germination rate, will prevail during time, as direct consequence of shadowing.

This mixture prefers cool weathers and tolerates very cold conditions as well, but it does not suffer in case of hot climate.



### COMPOSITION

<b>Festuca rubra</b> Maxima 1	55%
<b>Lolium perenne</b> Capri	20%
<b>Festuca ovina</b> Ridu	15%
<b>Poa trivialis</b> Dasas	10%



### CHARACTERISTICS

<b>Color</b>	Intense green
<b>Leaf texture</b>	Very Fine
<b>Growth</b>	Medium-Slow
<b>Water needs</b>	● ○ ○ ○ ○
<b>Nutrients needs</b>	● ● ● ● ○
<b>Resistance to biotic stresses</b>	● ● ● ○ ○
<b>Resistance to shadowing</b>	● ● ● ● ●
<b>Tolerance to foot stepping</b>	● ● ● ○ ○



### PACKAGE

<b>Bag</b> coated & treated seeds	1 kg
<b>Bag</b> treated seeds	5 kg
<b>Bag</b> treated seeds	10 kg



### TECHNICAL NOTES

<b>Sowing Rate</b>	20-35 g/m <sup>2</sup>
<b>Recommended height</b>	15-20 mm

# Sportivo

**Ideal for sport courses with a high regeneration**

Turf seeds mixture aimed to areas where foot step is very intensive, such as *sport courses*, granting a very quick recovery, thanks to the abundance of *Poa pratensis*, characterized by its lateral rhizomatous growth.

*Lolium* favors a stable germination and a quick soil coverage, usually in 5-8 days, followed by the growth of *Poa pratensis*, which will take predominance over the whole lawn.

This mixture is suitable for all the different climate conditions and tolerates persistent cold, maintaining good operational and visual performance all the year around.

Nutrients need are related to the use of the turf: intensive uses require specific fertilization programs.



## COMPOSITION

<b><i>Lolium perenne</i> Capri</b>	35%
<b><i>Lolium perenne</i> Romeo</b>	35%
<b><i>Poa pratensis</i> Evora</b>	15%
<b><i>Poa pratensis</i> Broadway</b>	15%



## CHARACTERISTICS

<b>Color</b>	<i>Dark green</i>
<b>Leaf texture</b>	<i>Medium</i>
<b>Growth</b>	<i>Slow</i>
<b>Water needs</b>	●●●○
<b>Nutrients needs</b>	●●●○
<b>Resistance to biotic stresses</b>	●●●○
<b>Resistance to shadowing</b>	●●●○
<b>Tolerance to foot stepping</b>	●●●●



## PACKAGE

<b>Bag coated &amp; treated seeds</b>	1 kg
<b>Bag treated seeds</b>	5 kg
<b>Bag treated seeds</b>	10 kg



## TECHNICAL NOTES

<b>Sowing Rate</b>	20-35 g/m <sup>2</sup>
<b>Recommended height</b>	10+ mm

# Rustico

## Low maintenance needed

Turf seeds mixture adapt to different uses, characterized by its *rusticity*: low water and fertilizers volume required, good resistance to diseases, foot stepping and sunlight, and good recovery properties.

It helps to save water, compared to traditional turf seeds, and needs low maintenance frequency, as well.

*Lolium* grants a quick soil coverage (with ideal weather conditions and correct water amount, germination takes place within 8-10 days), thus competing with infestans.



### COMPOSITION

<b><i>Festuca arundinacea</i> Finelaw</b>	60%
<b><i>Lolium perenne</i> Belida</b>	40%



### CHARACTERISTICS

<b>Color</b>	Light green
<b>Leaf texture</b>	Medium-Wide
<b>Growth</b>	Slow
<b>Water needs</b>	●●○○○○
<b>Nutrients needs</b>	●○○○○○
<b>Resistance to biotic stresses</b>	●●●●●●
<b>Resistance to shadowing</b>	●●●●●○
<b>Tolerance to foot stepping</b>	●●●●●●



### PACKAGE

<b>Bag</b> coated & treated seeds	1 kg
<b>Bag</b> treated seeds	5 kg
<b>Bag</b> treated seeds	10 kg



### TECHNICAL NOTES

<b>Sowing Rate</b>	20-35 g/m <sup>2</sup>
<b>Recommended height</b>	25-30 mm

# Rigenerante

## Lawn regeneration

Turf seeds mixture entirely made up of *Lolium perenne*, to be used in case of either *damaged lawns*, such as sport courses and private gardens, or *quick coverage needed*.

The three different varieties allow better adaptation to different weather conditions, in order to grant a very quick germination (3-5 days).



### COMPOSITION

<b>Lolium perenne</b> Capri	34%
<b>Lolium perenne</b> Esquire	33%
<b>Lolium perenne</b> Romeo	33%



### CHARACTERISTICS

<b>Color</b>	Dark green
<b>Leaf texture</b>	Medium - Fine
<b>Growth</b>	Very quick
<b>Water needs</b>	●●●○
<b>Nutrients needs</b>	●●●○
<b>Resistance to biotic stresses</b>	●●●●○
<b>Resistance to shadowing</b>	●●●●○
<b>Tolerance to foot stepping</b>	●●●●●



### PACKAGE

<b>Bag</b> coated & treated seeds	1 kg
<b>Bag</b> treated seeds	5 kg
<b>Bag</b> treated seeds	10 kg



### TECHNICAL NOTES

<b>Sowing Rate</b>	20-35 g/m <sup>2</sup>
<b>Re-sowing Rate</b>	40-50 g/m <sup>2</sup>
<b>Recommended height</b>	20-30 mm

# Turf seeds



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