TURFGRASS Professional Seeds







Symbols

Establishment





Water needs











Moderate

Maintenance











No mowing

Less mowing

 $Lower\ fertilisation$ needs

Lower maintenance

High maintenance

Other



Heat tolerance



Traffic tolerance



Shade tolerance



Salt tolerance



Disease tolerance





Brown patch Aggressive growth against Poa annua resistance



High density



Stolons



Rhizomes



Persistency



Strong



Drought resistant



Cold tolerance



Fine-leaf texture



No1 NTEP



Environmentally friendly



Mowing height



Aesthetic grass



and Winter



Active in Autumn Dark coloured grass



WE PRODUCE,

rehearse, improve and promote our talks and publications.

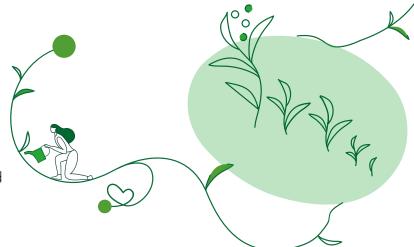
VARIETIES GENETICALLY RESISTANT TO DROUGHT AND HEAT.

Aware that in the context of climate change they will allow us to enjoy an acceptable sward in the years to come.

We have been pioneers in introducing warm climate species **(C4)** with high value environmental protection, such as highly resistant Paspalum vaginatum **MARINA** for high salinity resistance or Cynodon dactylon **IBIZA** with extraordinary resistance to cold. We are also pioneers in the introduction of tall fescues with leaf texture similar to Lolium perenne for high-level sports use.

One of the main characteristics of our varieties is slow growth in order to reduce mowing frequency.

We select varieties with incorporated endophytic fungi to increase resistance to drought and insects, thus limiting the use of pesticides and water.



Our varieties are **highly adapted to the Mediterranean climate** since they consume less water than average and tolerate stress conditions much better.

In our test plots we do not use chemicals and we irrigate with water from a local well, which has high electrical conductivity and is rich in nitrogen.

Deep dark varieties help the environment by having less need for water, nitrogen fertilizers and chemical products.

We are also introducing varieties of Lolium perenne of extraordinary quality with lateral growth for use in all grass related sports.

Semillas Fitó is ahead of the new European regulations that restricts the use of fertilizers and chemical products, providing extraordinary varieties and mixtures with horizontal resistance to diseases and lateral growth.

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The Spanish multinational leader in the Mediterranean region

MULTINATIONAL

Different since 1880

As a multinational. SEMILLAS FITÓ is different from our competitors. Since 1992, Semillas Fitó has been working side by side with distributors, greenkeepers and groundsmen as well as end users and assessing our clients on site. We study the best variety of options whilst giving the best technical support to maximize results in the Mediterranean region, where turfgrass can be a difficult crop to grow and maintain.



EXPERIENCE

Always offering top quality products

Our turfgrass clients always demand the best products: weed free, the highest germination percentage possible and varieties adapted to soils, climates and water quality.



R&D+INNOVATION

Investing in innovation

SEMILLAS FITÓ, the Mediterranean turfgrass leader, invests 20% of total sales in R&D + innovation.

The SEMILLAS FITÓ research centres are managed by highly qualified professional teams, with the most up-to-date technology to evaluate every variety in any stress situation

Our agreement with the world's best turfgrass universities and turfgrass breeders ensure the most suitable materials for our customers.

Once the new products are brought onto the market, stress controls are very rigorous to ensure the varieties success



All varieties and mixtures have been developed over years of experience and research in trials and field tests with the help of technicians, greenkeepers, groundsmen, and end users.

Our focus is on the end customer, on society at large, maximizing our respect for the environment and making it more sustainable.

More than 130 years of experience adding value to our landscape and sports fields and improving our living standards.





Effort and dedication to turfgrass

PRODUCTION

Centres

The turfgrass division of Semillas Fitó has two production centers, with one in Anglesola (Lleida) and the other located in Antalya (Turkey).

The new processing and logistic centre in Les Cases de Barbens (Anglesola), boasts 27,000 m² of floor space and more than 250,000 m³ capacity, and is already the largest in southern Europe.

This new installation handles reception, cleaning, seed treatments, variety mixtures, packaging and shipping.









QUALITY Control

Seed quality control is essential at Semillas Fitó.

Purity, germination, vigour and resistance are controlled in every seed lot, from seed receipt to packing and shipment.

SPECIES	MINIMUM GERMINATION (%)	MINIMUM SPECIFIC PURITY (% in weight)
Agrostis stolonifera	75	90
Agrostis tenuis	75	90
Cynodon dactylon	70	90
Festuca arundinácea	80	95
Festuca ovina	75	85
Festuca pratensis	80	95
Festuca rubra	75	90
Lolium perenne	80	96
Poa nemoralis	75	85
Poa palustris	75	85
Poa pratensis	75	85
Poa trivialis	75	85
Paspalum Vaginatum	75	99







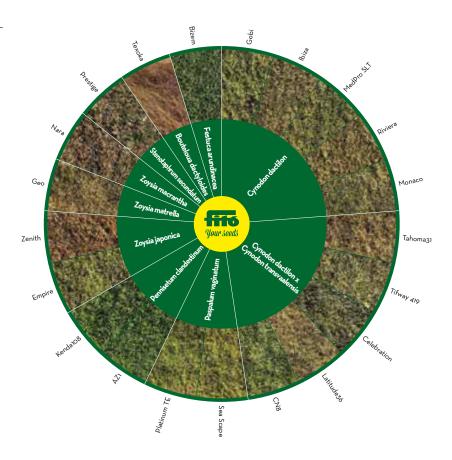


TRIALSResearch and results

Before being launched, SEMILLAS FITÓ varieties must fulfil the following requirements:

- **1.** Genetics suited to conditions in the Mediterranean area.
- 2. Tested for at least two years with trials under real environmental conditions to evaluate strengths and weaknesses, e.g. Cabrera de Mar turf trials.
- 3. Meeting customer needs.
- **4.** Gaining (if possible) the best results at international official trials, e.g. US National Turfgrass Evaluation Program (NTEP).

WINTER COLOURS WHEEL



OFFICIALTag specifications

- 1. Official organisation that takes care of seed quality control.
- 2. Name of the mixture.
- **3.** The percentage in weight of each component detailing species and variety.
- 4. Official tag number.
- 5. Packaging date.
- 6. Lot number.



RESEARCH centre in Cabrera de Mar

Our Turfgrass Research Centre located in Cabrera de Mar is the largest such facility in the Iberian Peninsula dedicated to turfgrasses.

The newest products from all over the world are included in the plots.

With its excellent location by the Mediterranean Sea, it is an area of high humidity with mild winters and hot summers. The irrigation water is high in electrical conductivity, which ensures that our seeds working under those stressful conditions will perform well in any area of the Mediterranean.

All varieties are carefully monitored for a minimum of two years under non-chemical conditions before being launched onto the market.

The plots are divided into areas with different irrigation quantities and treatments for their evaluation.













Fitó Power is a solution based on enhancing plant growth. Fitó Power seed treatment stands out for its capacity to enhance yield and ensure greater quality and visual appearance.

The aim is to boost vigour and improve nutrition.





This coating technology ensures better hydration and less possibility of loss of seed, all the way through to germination.

The aim is to achieve better efficiency during planting and to reduce seed loss.



Perennial Ryegrass

(Lolium perenne)

Did you know that on a warm summers day, the surface of your lawn maintains a temperature of between 8 to 10°C lower than that of a concrete surface?



Cool-season grass (C3), fast growing bunch type that spreads by tillers. The leaves are dark green and glossy on the underside, tapered and pointed with a folded vernation.

Uses:

• High-quality lawns, golf course tees, fairways and rough. Used for seeding and overseeding on horse racetracks and sports fields.



Highest persistence and lateral growth

Dark green colour

GREENLAND (PP6 - PR 196)

Excellent leaf density and fineness

- High tillering capacity and lateral growth.
- Maximum persistence in salinity conditions.
- Maximum resistance to grey leaf spot, rust and microdochium patch.
- Intense dark green colour.
- Maximum traffic tolerance. Mowing height from >10 mm.

Ideal for football pitches and sports fields where maximum persistence and density are required.



RINOVO (GL-74)

Persistent with maximum density

- Tillers late summer, which avoids straw like appereance that may affect other
- Lateral growth with mowing height from >10mm
- Maximum persistence, density and resistance to diseases, especially grey leaf spot.
- Exceptional heat, drought and salinity tolerance.
- Maximum recovery capacity due to its extreme resistance to traffic.

Ideal for surfaces where maximum persistence and resistance are required. Ideal for golf courses, sports fields, public and private gardens.



resistance to intensive use

- the summer months.
- Salinity resistant.
- Mowing height from >10 mm.
- Maximum resistance to pythium and grey leaf spot.
- Strong lateral growth capacity.
- Intense dark green colour.
- Maximum traffic tolerance and persistence.

Maximum density, persistence and excellent • Maximum density all year round maintaining excellent quality during



Ideal for seeding and overseeding football pitches, golf tees and sports fields in general.



Varieties of maximum persistence and lateral growth

Bright-green colour

ZURICH (PPG-PR 124)

Regenerates through stolons

- Reduces contamination of Poa annua due to lateral growth.
- Maximum persistence.
- Excellent winter growth.
- Low mowing heights from >10 mm.
- Excellent tolerance to foot and machinery traffic.

Ideal for football pitches, golf course fairways and tees as well as landscaping in general where its light colour is ideal for blending in well with Poa annua.



GREENSPREAD









Self-healing for winter sports pitches

- Exceptional overall quality and performance.
- Maximum density with fine leaf texture and excellent recuperation.
- Light green colour.
- · Very tolerant of mowing at low heights.
- Similar colour to Poa annua.

Ideal for sports fields, tees, fairways, golf course rough, tennis courts, horse racetracks, cricket, rugby, baseball, public and private lawns. Excellent for overseeding of C4 species.



High persistence varieties, reseeding, overseeding

Dark green colour

RINGLES

Maximum drought tolerance

- Dwarf variety with upright growth and fine leaf texture.
- Excellent seedling vigour with low maintenance.
- Highly tolerant to heat and salinity conditions (up to 15,000 ppm).
- Dark green colour.

Ideal for reseeding in areas with salinity problems.



Varieties with easy transition. Ideal for seeding and overseeding

Dark green colour

SUN

Versatile. Fastest germination of Lolium perenne varieties

- Ideal for low-maintenance requirements.
- Excellent establishment rate.
- Moderate shade tolerance.
- Excellent winter growth with smooth spring transition.
- Dark green colour.

Ideal for overseeding where rapid establishment is desired.



Medium green colour

LOVER

Quick recovery

- Stands out for its fine texture and fast establishment.
- Excellent summer performance with maximum drought tolerance.
- Excellent traffic tolerance and very high recovery ability.
- Resistant to pythium and grey leaf spot.

Ideal for overseeding where a functional ryegrass is desired. Excellent quality/price ratio.



Variety	General appearance	Resistance to Grey leaf spot
High	6.1	9.0
PROCESS (PPG-PR 422)	6.0	8.3
Low	3.3	1.0

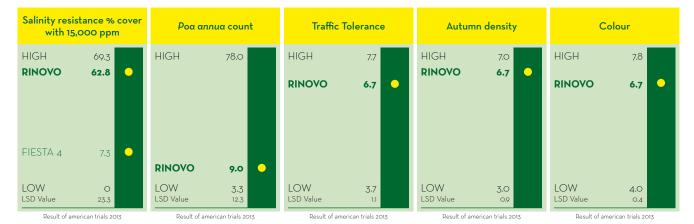
Results	NTEP	trails
Kesuits	INIEP	LI alla

Variety	Leaf texture	
GREENLAND	8.7	6.7
PROCESS (PPG-PR 422)	8.0	6.9
THUNDER	5.3	6.3

Leaf texture (1-9; 1 = coarse, 9 - fine) evaluated 12/15/202; Cutting quality (1-9; 9 = best) evaluated on 2/2/2022. Desert Willow Golf Resort. Palm Desert, CA. The ryegrasses were overseeded or 1/10/2021.

Variety	General appearance 2015	Establishment Sept. 2014
High	7.2	6.7
Rinovo	6.8	6.7
RINGLES	6.1	7.7
Manhattan 5GLR	6.0	7.0
Brightstar SLR	5.8	7.7
Silver Dollar	5.6	7.3
SUN	5.6	8.3
Low	4.7	5.3
LSD Value at 5%	0.6	1.7

9 = best quality / 9 = fastest establishment



Annual Ryegrass

(Lolium multiflorum)

Cool-season annual grass (C3) with bunch type growth habit that was traditionally used as fodder. Extensively used as a turfgrass due to its quick and easy installation.

Uses:

- Autumn overseeding on warm climate species, where a rapid transition in summer is desired without the use of chemicals.
- Ideal for winter overseeding in low temperature zones.

THUNDER

New generation with smooth transition

- Very fast germination and establishment at low temperatures.
- Medium dark colour, comparable to Lolium perenne.
- Fine leaf texture and maximum density.
- Genetically programmed summer transition.
- Maximum density and traffic tolerant.





TOURS

Lolium perenne quality with controlled transition

- Dark green colour comparable to that of Lolium perenne.
- Slow growth.
- Maximum density and fine leaf texture.
- Germination in 3 days under optimal conditions.
- Tolerates cutting heights >10 mm.

Ideal for winter overseeding on golf courses and sports fields where rapid green-up is required. Excellent for use in spring transition without the need for chemicals.

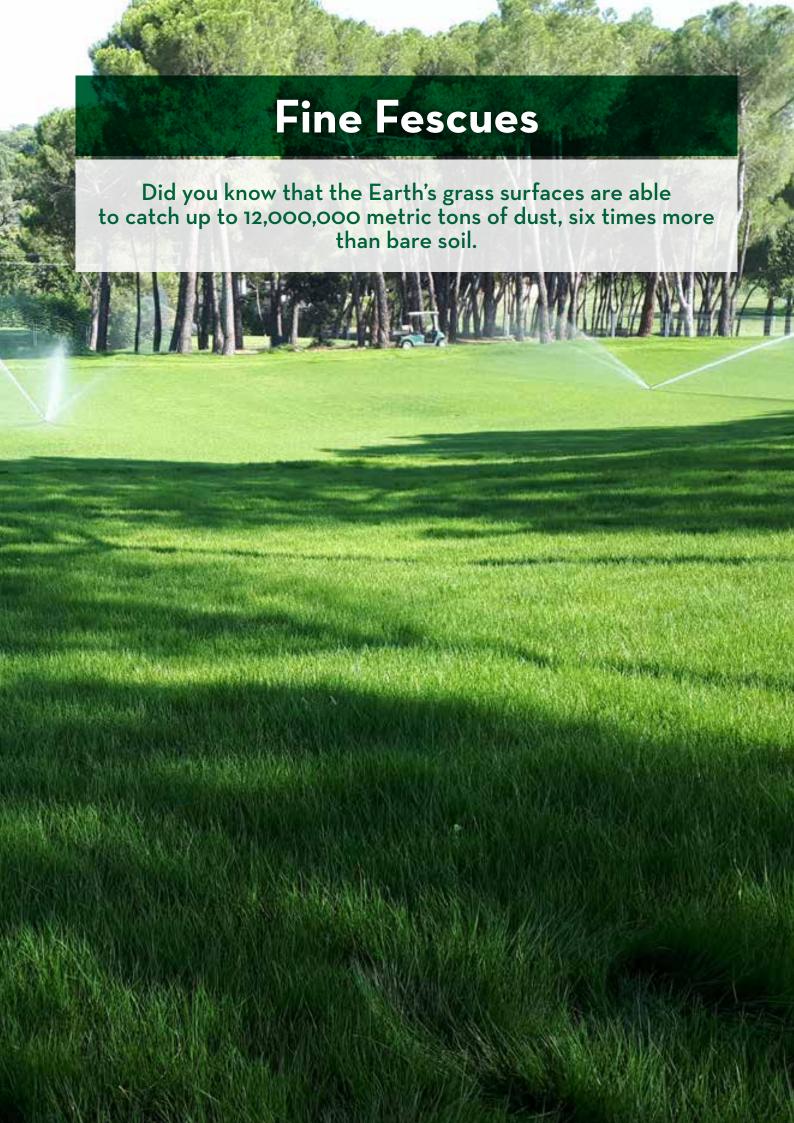


Without overseeding	IBIZA	TIFWAY 419
Overseeding with lolium perenne RINOVO	RINOVO	RINOVO
Overseeding with lolium multiflorum	THUNDER	CONTROL

PERENNIAL RYEGRASS		Highest persistence and lateral growth					on to seedbed
		Dark Green		Light	Green	Easy transition	on to seeabea
Variety	GREENLAND	RINOVO	PROCESS	ZURICH (PPG-PR 124)	GREENSPREAD	SUN	LOVER
Seeding rate g/m²	35	20	35	35	20-35	35	35
Overseeding rate on bermuda greens g/m²	150-200	130	150	140	140	-	140
Dose overseeding tees, fairways, rough, lawns g/m²	50	30-40	50	50	50	50	50
Seeds per gram	570	662	520	580	700	614	568
Days to germinate	5-7	3-7	5-7	3-8	3-8	3-7	3-8
Recommended seeding dates		Spring-Automn		Spring	-Automn	Spring-	Automn
Colour		Dark green		Brigh	t green	Dark green	Medium green
Establishment	Medium fast	Very fast	Medium	Very fast	Fas t	Very fast	Very fast
Growth	Slow	Medium	Slow	Fast	Fast	Medium	Medium
Leaf texture		Very fine		Very fine		Fine	Fine
Maintenance	Low	Low	Low	Medium	Medium	Low	Medium
Fertilising needs	High	Medium to low	High	Low	Medium	Medium	Low
Shade tolerance	Medium	Medium	Medium	Low	Medium	Low	Low
Winter dormancy	No	No	No	No	No	No	No
Disease resistance	Broad spectrum, especially Grey Leaf Spot	Dollar spot, Brown patch, Grey leaf spot, others	Grey leaf spot, Pythium, Brown patch	Pythium, Red thread	Grey leaf spot, Pink snow mold, Red thread	Brown patch, Leaf spot	Pythium, Red thread
Glyphosate resistance	No	No	No	No	No	No	No
Recovery capacity	Excellent	Excellent	Excellent	Very good	Excellent	Very good	Very good
Traffic tolerance	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	High
Heat tolerance	Excellent	Excellent	Excellent	High	High	Medium	Excellent
Mowing height		From 10 mm		From 10 mm	From 8 mm	From	10 mm
Mowing frequency	Low	Medium	Low	Medium	Low	Medium	Medium
Creeping ability	Yes	Yes	Yes	Yes	Yes	No	No
Salt tolerance	Maximum	Maximum	Maximum	Medium	Medium	Medium	Medium
Irrigation needs	High	Medium	High	High	Medium to high	Medium	High
Endophyte-enhanced	Yes	No	Yes	Yes	Yes	Yes	Yes

PERENNIAL RYEGRASS	High persistence. Sowing and reseeding
Variety	RINGLES
Seeding rate g/m²	35
Overseeding rate on bermuda greens g/m²	-
Dose overseeding tees, fairways, rough, lawns g/m²	50
Seeds per gram	546
Days to germinate	4-8
Recommended seeding dates	Spring-Automn
Colour	Dark green
Establishment	Fast
Growth	Slow
Leaf texture	Fine
Maintenance	Low
Fertilising needs	Medium
Shade tolerance	Medium
Winter dormancy	No
Disease resistance	Pythium, Grey leaf spot, Dollar spot
Glyphosate resistance	No
Recovery capacity	Excellent
Traffic tolerance	Excellent
Heat tolerance	High
Mowing height	8-20 mm
Mowing frequency	Medium
Creeping ability	No
Salt tolerance	High
Irrigation needs	Medium
Endophyte-enhanced	Yes

Species	Annual	ryegrass	
Variety	THUNDER	TOURS	
Seeding rate g/m²	35-70	35-70	
Overseeding rate on bermuda greens g/m²	+	-	
Dose overseeding tees, fairways, rough, lawns g/m²	40-50	40-50	
Seeds per gram	420	480	
Days to germinate	3	3	
Recommended seeding dates	Autumn	Autumn	
Colour	Medium-Dark	Medium-Dark	
Establishment	Very fast	Very fast	
Growth	Fast	Fast	
Leaf texture	Medium	Fine	
Maintenance	Medium	Medium	
Fertilising needs	Medium	Medium	
Shade tolerance	Low	High	
Winter dormancy	No	No	
Disease resistance	Leaf spot, Dollar spot, Rust	Leaf spot, Dollar spot, Rust	
Glyphosate resistance	No	No	
Recovery capacity	Excellent	Excellent	
Traffic tolerance	Maximum	Maximum	
Heat tolerance	Low	Low	
Mowing height	From 20 mm	From 21 mm	
Mowing frequency	High	High	
Creeping ability	No	No	
Salt tolerance	Medium	High	
Irrigation needs	High	High	
Endophyte-enhanced	No	No	



This genus includes several species and subspecies of temperate climate grass (C3) and is characterised for its very fine leaf texture, ornamental appearance and its bunch type growth habit (Festuca rubra commutata and Festuca ovina) or rhizomes (Festuca rubra rubra and Festuca rubra trichophylla). It is a species that adapts very well in poor soil conditions and mild climates.



Uses:

• Areas in shade, landscaping of high aesthetic value and minimal maintenance, golf course rough and slopes.

With long and very strong rhizomes

JOPPA

Festuca Rubra Trichophylla

Traffic tolerant

- Dark green colour with semi-creeping growth habit.
- Excellent winter growth.
- Very resistant to leaf diseases.
- Tolerates low mowing heights >6
- Resistant to salinity.





With short and numerous rhizomes

FINE PRO







Festuca rubra rubra

High density and maximum disease resistant

- New generation of creeping Festuca rubra variety, perfectly adapted to Mediterranean summers.
- High resistance to salinity.
- Excellent persistence in summer.
- Recovers perfectly in low maintenance conditions.
- Very drought tolerant.



RUFI

Festuca rubra rubra

Elegant and traffic tolerant

- Superior for drought and heat tolerance.
- Low maintenance needs.
- Mowing height >10 mm.
- Dollar spot and brown patch resistant.
- Shade-tolerant.





Chewing fescue

ZODIAC

Festuca rubra commutata

Ideal for shade

- Maximum quality variety.
- Tolerates low mowing heights >8 mm.
- Adds finer texture to mixtures.
- Very stable and non-invasive.
- Minimum maintenance.





ABERFLEECE

Festuca ovina

Low maintenance

- Minimum maintenance needs.
- Vigorous during establishment.
- Tolerates low doses of glyphosate.
- Maintains density in summer.
- Maximum resistance to heat and drought.
- Blends perfectly with wildflowers.



SPARTAN 2

Festuca brevipila

Low-maintenance sustainable grass

- Performs very well under summer stress.
- Very shade tolerant.
- Minimum mowing and fertilisation requirements.
- Good tolerance to traffic.
- Combines perfectly with wildflowers.



Species	Festuca Rubra Trichophylla	Festuca Rubra Rubra		Festuca Rubra Commutata	Festuca Ovina	Festuca Brevipila
Variety	JOPPA	FINE PRO	RUFI	ZODIAC	ABERFLEECE	SPARTAN 2
Seeding rate g/m²	20	20-25	15-25	15-25	15-25	15-25
Overseeding rate g/m²	30	30	30	20	25	25
Seeds per gram	990	790	770	1,060	1,042	1,122
Days to germinate	7-10	10-12	10-12	10-12	18-21	18-21
Recommended planting dates	Spring-Automn	Spring-	Automn	Spring-Automn	Spring-Automn	Spring-Automn
Colour	Dark	Dark	Dark	Dark	Bluish-Green	Medium dark
Establishment	Fast	Medium	Medium	Medium	Slow	Slow
Growth	Slow	Slow	Medium	Slow	Medium	Slow
Leaf texture	Fine	Fine	Fine	Very fine	Very fine	Very fine
Spreading activity	Rhizomes	Abundant rhizomes	Abundant rhizomes	No	No	No
Maintenance	Low	Low	Low	Very low	Very low	Very low
Fertilising needs	Medium	Low	Low	Low	Very low	Very low
Shade tolerance	High	High	High	High	High	High
Winter dormancy	No	No	No	No	No	No
Disease resistance	Dollar spot, Rust, Dreschlera	Brown patch, Leaf spot	Brown patch, Dollar spot	Dollar spot, Summer patch, Leaf spot, Dreschlera	Brown patch, Dollar spot	Brown patch, Summer patch, Red thread, Dollar spot, Leaf spot
Recovery capacity	Medium	Good	Good	Low	Low	Low
Traffic tolerance	High	Medium	Medium	Low	Low	Low
Heat tolerance	High	High	High	High	High	High
Mowing height	6-15 mm	From 12 mm	From 10 mm	From 10 mm	From 30 mm	From 30 mm
Mowing frequency	Low	Low	Low	Low	Very low	Very low
Irrigation needs	Medium	Low	Low	Low	Very low	Very low
Salt tolerance	Excellent	High	High	Medium	Low	Low
Endophyte-enhanced	Yes	Yes	Yes	Yes	Yes	Yes



Did you know that 230 m² of turfgrass absorbs carbon dioxide and releases enough oxygen for a family of four?



Cool-season grasses (C3), very rustic, with a bunch type growth habit that adapts to a wide range of soils and uses. Has a fibrous and deep root system.

Applications:

- Low maintenance lawns with minimal irrigation.
- Sod production, rough and slopes on golf courses, sports fields, horse racetracks and polo fields.
- A minimum of 70% Festuca arundinacea must be included in mixes.





Highest density, fine leaf texture, lateral growth and low mowing

BIZEM

Ideal for sports fields

- The best new generation of Fescues for use in sports turf.
- Fine leaf texture, comparable to Lolium perenne or Poa pratensis.
- Maximum density and intense dark green colour.
- Extremely resistant to foot and machinery traffic and maximum recovery capacity.
- Performs well with frequent mowing >10 mm.
- Excellent winter growth.
- Creeping growth habit.



GENIUS

Brown patch.

Maximum resistance to Brown patch, Grey leaf spot and other turfgrass diseases

- No 1 NTEP in quality.
- Very aggressive growth based on lateral stems.
- Magnificent winter colour.
- Excellent resistance to brown patch and very shade and drought tolerant.
- Quick spring green-up.



Rhizomatous varieties with lateral, and medium leaf texture

TERRANO

Maximum tolerance to heat and drought

- Resistant to brown patch.
- Very salt tolerant.
- Excellent winter growth.
- Maximum density for sod production and sports fields.



Varieties with fine leaf texture and maximum density

TANK









The new generation with the highest NTEP rating

- Very fine leaf texture.
- Exceptional shade tolerance.
- Extremely high density.
- Maximum brown patch resistance.
- Medium green colour.
- Competes very aggressively against weeds.
- Presence of rhizomes.



FESNOVA

Excellent summer behaviour

- Exceptional variety with a wide plant crown and maximum density.
- Maintains dark green colour in the winter.
- Slow growth with very fine leaf texture.
- Consumes 30% less water than other varieties.
- Great establishment.
- Maximum resistance to brown patch.



Semi-dwarf varieties with fine leaf texture

FIRACES

Resistant and low maintenance

- Minimum maintenance needs with less scarifying and aerifying.
- Superb traffic tolerance and maximum recovery ability.
- Low fertiliser needs.
- Low mowing frequency.
- Excellent winter growth.

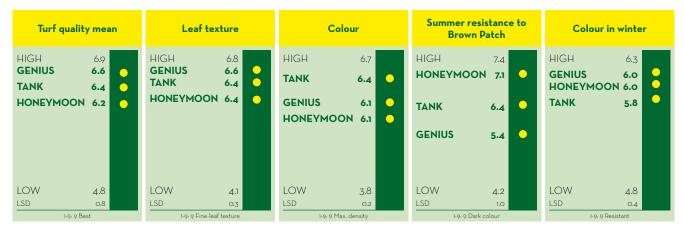


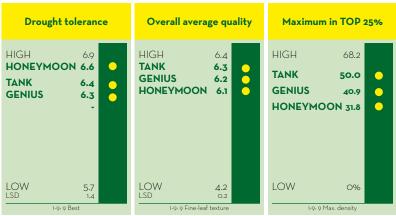
MERIDA

The most vigorous dwarf variety

- Outstanding fine leaf texture and slow growth.
- Performs very well in the summer.
- Maximum drought tolerance.
- Excellent traffic tolerance and recovery.
- Salt tolerant.







2020 NTEP data

Tall Fescues

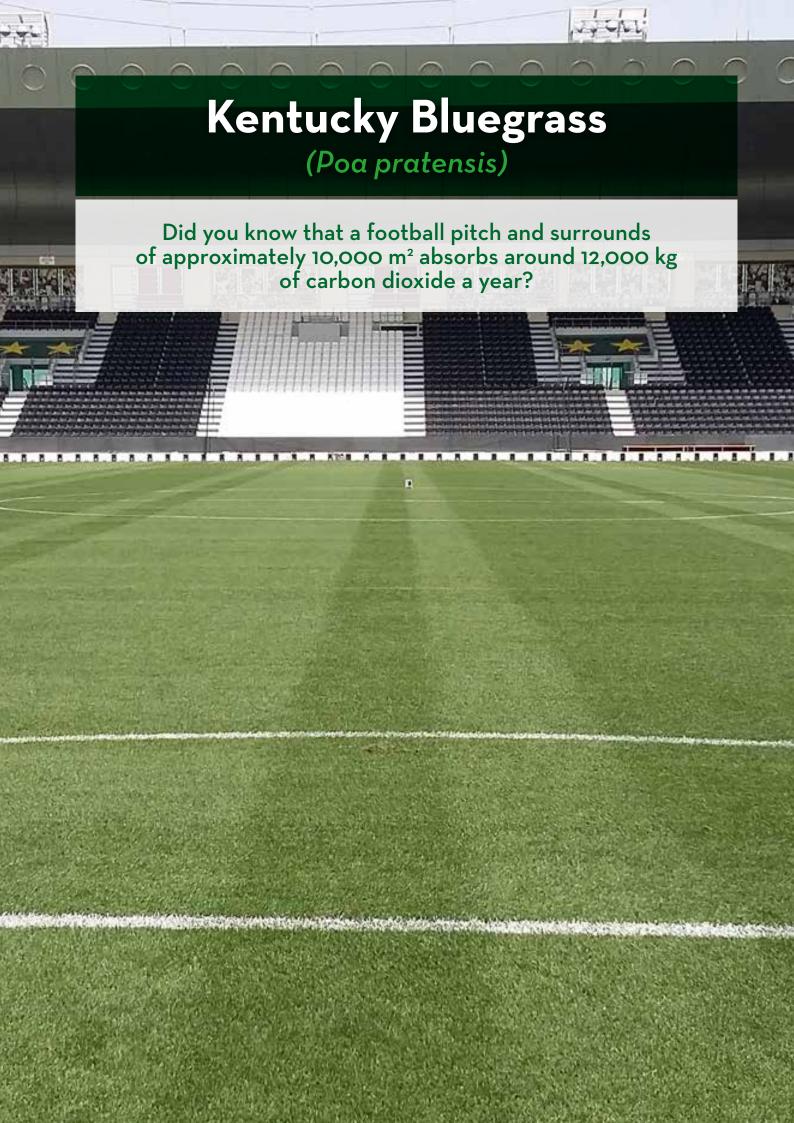
Turf quality mean	Leaf texture	Summer density	Colour	Summer resistance to Brown Patch
BIZEM 6.5 FESNOVA 6,5 TERRANO 6.3	HIGH 6.7 BIZEM 6.4 FESNOVA 6.1 TERRANO 5.6	HIGH 7.7 BIZEM 7.0 FESNOVA 6.7 TERRANO 6.7	FESNOVA 6.9 BIZEM 6.8 TERRANO 6.7	HIGH 7.7 BIZEM 7.0 FESNOVA 6.3 TERRANO 5.3
LOW 4.5	LOW 3.4	LOW 4.7	LOW 3.8	LOW 1.0
LSD Value 0.7	LSD Value 0.3	LSD Value 0.7	LSD Value 0.3	LSD Value 2.1

NTEP Trials 2017



TALL FESCUES	Varieties with fine leaf texture and lateral growth		Rhizomatous varieties with lateral growth		ine leaf texture um density
Variety	BIZEM	GENIUS	TERRANO	TANK	FESNOVA
Seeding rate g/m²	40	40	50	40	40
Overseeding rate g/m²	50	50	50	50	50
Seeds per gram	416	495	484	416	484
Days to germinate	7-12	7-10	10-12	7-12	7-12
Recommended planting dates	Spring-	Automn	Spring-Automn	Spring-	Automn
Colour	Very dark	Very dark	Dark	Very dark	Very dark
Establishment	Fast	Fast	Fast	Fast	Fast
Growth	Slow	Slow	Slow	Slow	Slow
Leaf texture	Fine	Fine	Medium	Fine	Fine
Spreding activity	Rhizomes	Rhizomes	Rhizomes	Rhizomes	No
Maintenance	Low	Low	Low	Low	Low
Fertilising needs	Moderate	Moderate	Low	Moderate	Moderate
Shade tolerance	High	High	High	High	High
Winter dormancy	No	No	No	No	No
Disease resistance	Brown patch, Pythium, Leaf spot	Brown patch and Pyricularia	Brown patch, Leaf spot	Brown patch, Pythium, Leaf spot	Brown patch, Pythium, Leaf spot
Recovery capacity	Very high	Very high	Excellent	Very high	Very high
Traffic tolerance	Extraordinary	Extraordinary	Excellent	Extraordinary	Excellent
Heat tolerance	Excellent	Excellent	Excellent	Excellente	Excellent
Mowing height	From 10 mm	From 10 mm	From 15 mm	From 10 mm	From 10 mm
Mowing frequency	Low	Low	Low	Low	Low
Irrigation needs	Low	Low	Low	Low	Low
Salt tolerance	Excellent	Excellent	High	Excellent	Excellent
Endophyte-enhanced	Yes	Yes	Yes	Yes	Yes

TALL FESCUES	Semidwarf varieties with fine leaf texture				
Variety	FIRACES	MERIDA			
Seeding rate g/m²	40-50	40			
Overseeding rate g/m²	50	50			
Seeds per gram	523	490			
Days to germinate	7-12	7-12			
Recommended planting dates	Spring-Automn				
Colour	Dark	Dark			
Establishment	Fast	Fast			
Growth	Slow	Slow			
Leaf texture	Medium	Medium			
Spreding activity	No	No			
Maintenance	Low	Low			
Fertilising needs	Low	Moderate			
Shade tolerance	High	High			
Winter dormancy	Limited	No			
Disease resistance	Brown patch	Brown patch, Leaf spot			
Recovery capacity	Excellent	Very high			
Traffic tolerance	Excellent	Excellent			
Heat tolerance	High	Excellent			
Mowing height	20-30 mm	From 10 mm			
Mowing frequency	Low	Low			
Irrigation needs	Low	Low			
Salt tolerance	High	Excellent			
Endophyte-enhanced	Yes	Yes			



Cool-season grass (C3), medium-fine leaf texture and growth with rhizome formation. Very tolerant to foot traffic. Sensitive to leaf diseases in mild weather conditions. Recommended in mixtures for its lateral growth.

Applications:

- Sports fields, polo, horse racetracks, fairways and golf course tees, top-quality gardening, sod production with high quality standards.
- Should only be used in mixtures.



Cross variety of Poa pratensis x Poa texas

BLUE GEM





Maximum shade tolerance

- MIDNIGHT type, No. 1 NTEP.
- Hybrid of Poa pratensis x Poa arachnifera.
- Maximum density with good resistance to shade and drought.
- Maximum quality.
- Excellent resistance to foot traffic.
- Tolerates cutting heights >12 mm.
- Not prone to forming thatch.



Compact-America type variety

FIELD PRO









A Poa pratensis that establishes quickly

- Very fast to establish.
- Maximum resistance to rust and mildew.
- Excellent summer growth.
- Medium leaf texture.
- Dark green colour.
- Combines very well with Festuca arundinacea and Lolium perenne.



JERSEY

Excellent seedling vigour

- Elite turf quality.
- Great heat tolerance.
- Excellent wear tolerance.
- Medium dark green colour.
- Good disease resistance.
- Fine leaf texture.
- Performs well at golf course fairway cutting heights.



Compact-american type variety

STRENUUS







Maximum installation speed

- Under optimal conditions germinates in 5-7 days.
- Quick installation therefore ideal for regeneration of sports fields.
- Easier to establish than other varieties.
- Combines perfectly with Poa pratensis or Lolium perenne.
- Excellent heat tolerance and maximum resistance to summer stress.
- Excellent resistance to traffic with quick recovery.
- Maximum resistance against red thread, helminthosporium disease, grey leaf spot, rust and turf damaging insects like Tipula.



JUMPSTART





Germinates in 7 days

- Excellent establishment.
- Maximum resistance to rust and mildew.
- Excellent summer growth.
- Medium leaf texture.
- Combines very well with Festuca arundinacea and Lolium perenne.



Midnight Type Varieties

PRAFIN (BLUEDEVIL)

Excellent under stress situations

- MIDNIGHT variety with greatest heat tolerance.
- Less prone to thatch build up.
- Drought and salt tolerant.
- Low mowing frequency.
- Tolerates mowing heights >12 mm.





RIGHT

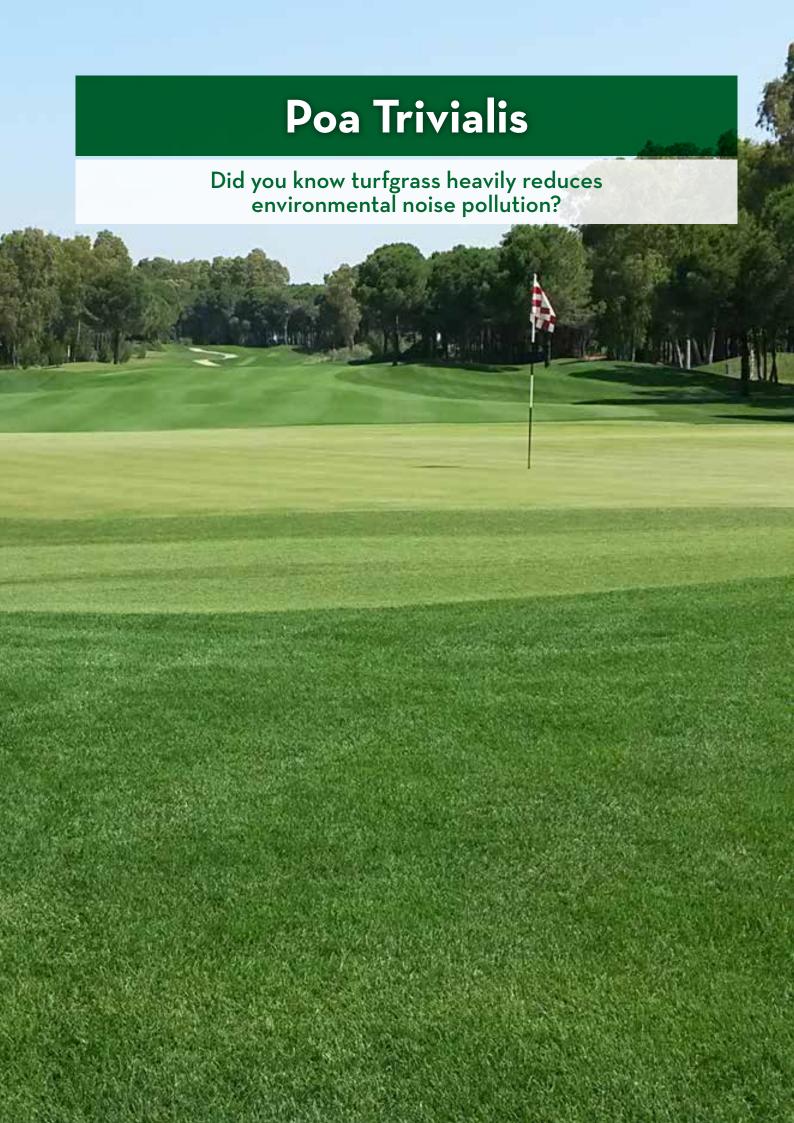
Extreme tolerance to salinity and drought

- Broad resistance to diseases, especially leaf diseases.
- Maximum density in difficult conditions.
- Very fast establishment.
- Tolerates mowing heights >12 mm.
- Excellent appearance throughout the entire year.



KENTUCKY BLUEGRASS	Poa pratensis x Poa texas	American type and fast establishment			Midnight type and high density varieties		
Variety	BLUE GEM	FIELD PRO	JERSEY	STRENUUS	JUMPSTART	PRAFIN	RIGHT
Seeding rate g/m²	10-15	10-15	10-15	15-20	10-15	10-15	10-15
Overseeding rate g/m²	20	5-10	5-10	20	20	5-10	20
Seeds per gram	2,497	2,750	2,850	2,500	2,750	2,400	2,549
Days to germinate	17-24	7-12	7-12	7-10	7-12	15-20	15-30
Recommended planting dates	Spring-Automn	Spring-Automn	Spring-Automn	Spring-Automn	Spring-Automn	Spring-Automn	Spring-Automn
Colour	Dark	Dark	Medium	Dark	Medium	Dark	Dark
Establishment	Medium	Very fast	Very fast	Fast	Very fast	Medium	Medium
Growth	Slow	Slow	Slow	Slow	Slow	Slow	Slow
Leaf texture	Fine	Fine	Fine	Fine	Medium	Fine	Medium
Spreding activity	Rhizomes	Rhizomes	Rhizomes	Rhizomes	Rhizomes	Rhizomes	Rhizomes
Maintenance	Medium	Low	Low	Medium	Medium	Medium	Medium-High
Fertilising needs	Medium	Medium	Medium	Medium	Medium	Medium	Medium
Shade tolerance	High	Medium-High	High	Medium	Medium	Medium-High	Medium
Winter dormancy	No	No	No	No	No	No	No
Disease resistance	Leaf spot, Roya, Summer patch, Dollar spot	Leaf spot, Rust, Summer patch, Dollar spot	Powdery mildew, Rust	Summer patch	Leaf spot, Roya, Summer patch, Dollar spot	Leaf spot, Roya, Summer patch, Dollar spot, Antracnosis	Pythium, Brown patch, Summer patch
Recovery capacity	Excellent	Excellent	Excellent	Very good	Excellent	Very good	Excellent
Traffic tolerance	Excellent	Excellent	Excellent	Excellent	Good	Excellent	Excellent
Heat tolerance	Excellent	Excellent	Excellent	High	Excellent	Excellent	Excellent
Mowing height	From 12 mm	From 12 mm	From 12 mm	From 12 mm	From 15 mm	From 12 mm	From 12 mm
Mowing frequency	Medium	Medium	Medium	Medium	High	Medium	Medium
Irrigation needs	High	Medium	Medium	Medium	Low	Medium	Medium
Salt tolerance	Medium	Medium	Medium	Medium	Medium	High	Excellent
Endophyte-enhanced	Yes	Yes		Yes	Yes	Yes	Yes





Cool-season grass (C3), with a fine leaf texture, light green colour and stoloniferous growth habit. Tolerant to cold and wet conditions. Moderate shade tolerance and little persistence in summer.

Applications:

Overseeding of warm-season grasses (Cynodon spp., Paspalum vaginatum, Zoysia spp., etc.) to improve colour in winter, especially on sports fields.



QUASAR

Smooth transition

- Very small seed size which allows for easy overseeding on dormant (C4) varieties.
- Fast to establish at low temperatures.
- Magnificent dark green colour.
- Excellent spring transition.
- Recommended for overseeding of greens, tees and golf course fairways.



WINTERWAY

Fast establishment

- Excellent quality for golf greens.
- Maximum density and quality.
- Excellent traffic resistance.
- Highly shade-tolerant.
- Recommended for overseeding on all areas of the golf course (tees, greens and fairways).





Poa Trivialis

Species	Poa trivialis				
Variety	QUASAR	WINTERWAY			
Seeding rate g/m²	20	20			
Overseeding rate g/m²	25-50	25-50			
Seeds per gram	4,400	5,350			
Days to germinate	5-8	5-8			
Recommended planting dates	20°C in the soil during Automn				
Colour	Dark	Dark			
Establishment	Fast	Fast			
Growth	Slow	Slow			
Leaf texture	Fine	Fine			
Spreding activity	Rhizomes	Rhizomes			
Maintenance	Low	Low			
Fertilising needs	Low	Low			
Shade tolerance	High	High			
Winter dormancy	No	No			
Cold tolerance	High	Excellent			
Disease resistance	Rust, Leaf spot	Leaf spot, Rust, Summer patch, Dollar spot			
Recovery capacity	Excellent	Excellent			
Traffic tolerance	Excellent	Excellent			
Heat tolerance	Limited	Low			
Mowing height	3-30 mm	From 7 mm			
Mowing frequency	Low	Medium			
Irrigation needs	High	High			
Endophyte-enhanced	No	No			



Poa bulbosa

RADIX 307







- Annual species, which regenerates through bulbs.
- Vegetates during winter months and growth slows when temperatures are above 25°C.
- Maximum resistance to drought.
- Low seeding rates. 10g/m².
- Ideal for winter overseeding to improve colour.





Creeping Bentgrass

(Agrostis stolonifera)

Did you know turfgrass acts like a water purifyer for the soil and helps to avoid soil erosion?



Cool-season (C3) fine-textured, dense turfgrass with an aggressive, creeping growth habit. Tolerates mowing heights from 2-3 mm. Very high maintenance turfgrass.

Applications:

Greens, golf course tees and fairways, tennis courts, high-maintenance lawns.





High density with less inputs. For greens, tees and golf course fairways

Bright green colour

TOUR PRO









New generation of agrostis which requires less maintenance

- New generation. No 1 NTEP.
- Excellent seedling vigour and establishment.
- Elegant and slow growing turf.
- Produces durable surface with medium to fine leaf texture.
- Extremely traffic tolerant.
- Drought and salt tolerant.
- Excellent resistance to Dollar spot and brown patch.
- Very aggressive against Poα απημα infestation.
- Medium green colour.
- Less prone to discolouration during winter months.

Median of general appearance ratings of Agrostis stoloniferα in greens

Variety	General appearance
High	6.5
TOUR PRO	6.4
LUMINARY	6.2
Low	4.4
LSD Value	0.3
CV	9.0

Results of American trials. 2015-2019. 1-9. 9 best.

	Winter colour	Dollar spot resistance	Spring green up	Traffic stress tolerance	Average overall appearance
TOUR PRO	7.1	8.9	5.8	5.3	6.5
777	7.1	8.0	5.7	5.3	6.6
V-8	6.4	8.6	6.2	4.8	6.6
L-93 XD	6.4	8.7	5.9	5.9	6.7
Valderrama	5.8	8.4	4.7	4.3	5.9
Declaration	6.9	8.9	6.1	4.3	6.3
Penncross	6.1	8.2	3.8	3.2	4.5
LSD	0.7	0.6	0.5	0.4	0.2

NTEP Classification 2018, 1-9; 9 = ideal lawn.

Average quality data for different Agrostis varieties grown in greens in four locations in the USA for LPI group 2 (NTEP 2018)

	, , ,			•		
Name	Entrance	GA3	VA ₁	KS1	IA1	Average
TOUR PRO	15	7.3	7.3	6.9	7.0	7.1
DLFPS-AP/3018	3	7.2	7.3	6.9	7.0	7.1
DLFPS-AP/3059	6	7.1	7.1	6.7	6.7	6.9
Kingdom	12	7.1	7.1	6.7	6.8	6.9
Nightlife	13	7.1	7.1	6.7	6.7	6.9
Piranha (DC-1)	16	6.9	7.0	6.7	7.0	6.9
Barracuda	19	7.0	7.1	6.7	6.8	6.9
777 (DLFPS-AP/3054)	2	7.0	7.0	6.7	6.8	6.9
Luminary	1	6.9	7.0	6.6	6.7	6.8
Shark	18	6.8	6.9	6.5	6.5	6.7
V-8	14	6.8	6.9	6.5	6.6	6.7
Pure Select	7	6.8	6.8	6.5	6.6	6.7
L-93 XD	10	6.6	6.6	6.4	6.7	6.6
Valderrama	8	6.8	6.8	6.4	6.4	6.6
Armor	11	6.7	6.8	6.3	6.3	6.5
DLFPS-AP/3056	4	6.5	6.5	6.3	6.5	6.4
Declaration	20	6.4	6.5	6.2	6.3	6.4
Pure Eclipse (PST-ROPS)	17	6.2	6.3	6.1	6.3	6.2
Penncross	9	6.0	6.0	5.5	5.3	5.7
LSD Value		7.7	7.7	7.7	1.1	1.1
C.V.(%)		9.6	9.6	10.1	10.0	9.8

Levels 1 to 9; 9 = best.

High density varieties with moderate maintenance

Ideal for greens, tees and fairways

007 DSB

Reduced fungicide use

- No 1 NTEP. Improvement of L-93 and southshore varieties.
- Magnificent resistance to Dollar spot.
- Vigorous, uniform and moderately dense growth.
- Excellent winter appearance with no discolouring.
- Ideal under stress conditions.



LUMINARY





Exceptional performance across multiple regions

- Resistant to Dollar spot, snow mould as well as summer diseases.
- Requires fewer chemical applications.
- Resilient & wear tolerant with good recovery from ball marks. Reduced thatch buildup.
- Compatible with other Agrostis varieties in overseeding and competes well with Poa annua.
- Versatile for golf course greens, tees and fairways.





High density varieties

Ideal for greens

VALDERRAMA



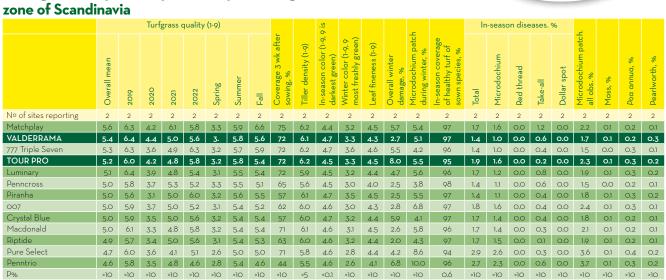




Maximum resistance against Dollar spot

- Very competitive against Poa annua.
- Salt tolerant.
- · Heat tolerant.
- Maintains excellent winter colour.
- Vigorous and uniform with moderate, dense growth.
- Reduced maintenance costs.





Evaluations of resistance to Dollar spot of Agrostis stolonifera in greens

				•	9			,				
Variety	GA3	IAı	IN ₁	KS1	KY1	Mlı	MN1	MO ₁	NC ₁	NJ1	VA1	MEAN
High	8.2	9.0	8.3	8.5	8.3	8.8	6.8	8.7	8.4	7.0	4.7	8.1
TOUR PRO	8.7	8.8	8.7	8.4	8.0	8.9	6.7	8.9	7.4	7.5	4.7	8.0
LUMINARY	8.0	8.7	8.3	8.3	8.3	8.3	6.2	8.5	7.7	6.7	4.2	7.7
Low	6.8	6.2	4.9	3.9	2.3	5.0	2.2	3.9	5.4	3.5	4.8	4.6
LSD Value	0.9	0.9	1.4	1.3	1.0	1.2	1.9	1.8	1.5	1.2	1.7	0.6
C.V. (%)	7.1	6.2	11.2	11.4	9.0	9.2	23.9	15.0	13.6	12.8	23.6	12.7

Results NTEP. 2015-2019. 1-9. 9 best

Mean turf quality ratings of bentgrass cultivars grown on a green at four locations in the US for LPI group 2 (NTEP 2018)

	<u> </u>	👣								
	DATA 2015-2018	DATA 2015-2018	DATA 2015-2019	DATA 2015-2019	DATA 2015-2019	DATA 2015-2019	DATA 2014	DATA 2015-2019	DATA 2015-2019	DATA 2019
Variety	Colour recovery in spring	Medium traffic tolerance	Winter colour	Resistance to Dollar spot	Resistance to Brown patch	Colour 9 (maximum)	Establish- ment force	% Average coverage in spring	% Average coverage in summer	General appearan- ce
TOUR PRO	4.8	5.6	6.5	8.0	7.4	6.4	6.7	92.0	97-3	7.3
PIRANHA (DC-1)	4.2	5.4	6.4	7.6	7.9	6.7	5.5	86.6	92.1	7.1
LUMINARY	4.3	5.1	6.5	7.7	7.5	6.6	5.3	89.5	94.9	7.0
777	4.3	5.5	6.4	7.1	7.5	6.7	6.6	91.4	95.8	6.9
DECLARATION	4.0	4.6	6.0	8.0	6.9	6.2	6.5	88.8	93.7	6.7
L-93XD	4.3	5.2	6.0	8.1	6.9	6.3	5.9	83.1	94.9	7.1
PENNCROSS	2.2	3.6	5.5	7.0	7.4	5.4	6.5	85.1	93.9	5.6
VALOR LSD	1.1	0.9	0.6	0.6	1.4	0.4	0.9	8.8	7.9	1.1

NTEP Classification 2018, 1-9; 9 = best. LSD: least significant difference

Creeping Bentgrass

CREEPING BENTGRASS	High density with medium green colour				
Variety	TOUR PRO	VALDERRAMA			
Use	Greens, tees	and fairways			
Seeding rate g/m²	5-8	5-8			
Overseeding rate g/m²	5-8	5-15			
Seeds per gram	15,200	13,245			
Days to germinate	3-5	7			
Colour	Medium	Medium			
Establishment	Very fast	14-21 days			
Growth	Upright	Upright			
Leaf texture	Fine	Fine			
Endophyte-enhanced	Si	Yes			
Fertilising needs	Low	Medium			
Thatch tendency	Medium	Medium			
Topdressing and verticutting needs	Medium	Medium			
Ball mark recovery	Very fast	Fast			
Shade tolerance	Medium-High	Medium			
Winter-active growing	Excellent	Excellent			
Dollar spot resistance	Excellent	Excellent			
Brown patch resistance	Excellent	Excellent			
Poa annua resistance	Excellent	Excellent			
Traffic tolerance	Excellent	Very high			
Summer stress tolerance	Excellent	Moderate			
Bentgrass prone to scalping	No	Moderate			
Mowing height	3-5 mm	3-5 mm			
Irrigation needs	Medium	High			
Salt tolerance	Excellent	Excellent			

CREEPING BENTGRASS	High density and moderate maintenance				
Variety	007 DSB	LUMINARY			
Use	Greens, Tees	and Fairways			
Seeding rate g/m²	5-8	5-8			
Overseeding rate g/m²	5-15	5-15			
Seeds per gram	14,000	13,200			
Days to germinate	3-5	3-5			
Colour	Dark	Medium			
Establishment	Very fast	Fast			
Growth	Upright	Upright			
Leaf texture	Very fine	Fine			
Endophyte-enhanced	Yes	Yes			
Fertilising needs	Medium	Medium			
Thatch tendency	Medium	Medium			
Topdressing and verticutting needs	Medium	Medium			
Ball mark recovery	Fast	Fast			
Shade tolerance	Medium	Medium			
Winter-active growing	Excellent	Excellent			
Dollar spot resistance	Excellent	Excellent			
Brown patch resistance	Excellent	Excellent			
Poa annua resistance	Excellent	Excellent			
Traffic tolerance	Excellent	Excellent			
Summer stress tolerance	Excellent	Excellent			
Bentgrass bloat-scalp	No	Moderate			
Mowing height	3-6 mm	3-6 mm			
Irrigation needs	Medium	Medium			
Salt tolerance	Excellent	Medium			



Agrostis Tenuis

Cool season (C3) grass with erect growth and less lateral growth than other varieties of *Agrostis stolonifera*. Very good traffic tolerance with a bright green colour.

Uses:

For use on golf course greens and decorative gardening in mild climates with low maintenance needs.



ABERREGAL

Standard

- Common variety of medium to low quality. Used in mild climates.
- Used in low-maintenance mixtures. Fine leaf species.



ABERROYAL

Moderate maintenance

- Excellent winter performance.
- Bright green colour.
- Excellent Dollar spot resistance.
- Wear-tolerant.
- Mowing height from 10 mm.





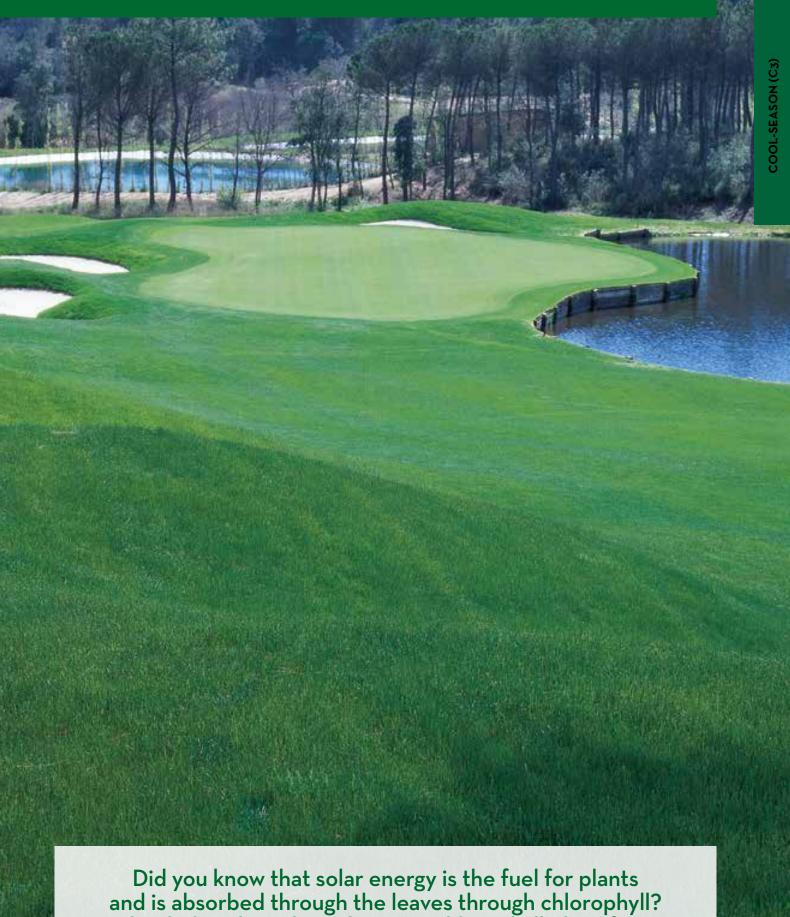
Species	Agrostis tenuis				
Variety	ABERREGAL	ABERROYAL			
Seeding rate g/m²	5-10	5-8			
Overseeding rate g/m²	5-15	5-15			
Overseeding with bermuda g/m²	No	10-20			
Seeds per gram	11,640	11,500			
Days to germinate	7-10	7-10			
Recommended planting dates	Spring-Automn	Spring-Automn			
Colour	Bright	Medium			
Establishment	Slow	Slow			
Growth	Upright	Upright			
Leaf texture	Medium	Fine			
Maintenance	Low	Low			
Fertilising needs	Low	Low			
Shade tolerance	Low	Medium			
Winter purpling	No	No			
Disease resistance	No	Dollar spot, Brown patch			
Recovery capacity	Low	Excellent			
Traffic tolerance	Low	Medium			
Heat tolerance	High	High			
Mowing height	From 15 mm	10 mm			
Mowing frequency	Low	Low			
Irrigation needs	Medium	Medium			
Salt tolerance	Low	Low			



Other cool-season species (C3)

Species	Agropyrum cristatum	Agropyrum intermedium	Brachypodium phoenicoides	Cynosorus cristatus	Descampsia cespitosa	Poa annua	Poa nemoralis	Poa supina	Puccinellia distans
Variety	COMUN	COMUN	COMUN	COMUN	BALOU	TWO PUTT	ENHARY	SUPRANOVA	FULTS
Seeding rate g/m²	40-50	40-50	30	35	20	10-15	10	10	10-15
Overseeding rate g/m²	50	50	40	50	25	10-15	15	10	15
Seeds per gram	450	1,590	282	475	1,780	5,000	5,200	5.350	4,180
Days to germinate	15-30	15-30	15-20	15-20	15-20	3-7	5-10	5-10	10-14
Recommended planting dates				;	Spring-Automn				
Colour	Medium-Dark	Medium-Dark	Dark	Medium	Medium	Medium	Medium	Medium	Medium
Establishment	Slow	Slow	Slow	Medium	Medium	Fast	Medium	Medium	Medium
Growth	Slow	Slow	Slow	Slow	Slow	Fast	Medium	Slow	Slow
Leaf texture	Coarse	Coarse	Medium	Medium-Coarse	Medium	Fine	Fine	Fine	Fine
Mowing frequency	Medium-Low	Medium-Low	Low	Medium	Medium	Medium	Medium	High	Medium
Mowing height	From 40 mm	Since 40 mm	Since 30 mm	30-50 mm	20-50 mm	From 1.8 mm	Since 10 mm	3-10 mm	20-50 mm
Maintenance	Low	Low	Very low	Medium	Medium	Medium	Medium	High	Low
Fertilising needs	Low	Low	Very low	Low	Low	Medium	Low	High	Very low
Cold tolerance	High	High	High	High	High	High	Maximum	High	No
Shade tolerance	Medium-High	Medium-High	High	Medium-High	High	High	High	Medium	Medium-High
Disease resistance	High	High	High	Fair	Fair	Fair	Fair	Fair	Medium-High
Recovery capacity	High	High	High	Medium	Medium	High	Low	High	Medium
Traffic tolerance	High	High	Medium	High	High	High	Low	High	Low
Heat tolerance	Medium-High	Very high	Very high	Low	Low	Medium	Low	Low	High
Salt tolerance	High	High	High	Low	Low	Medium	Very low	Low	Excellent
Irrigation needs	Very low	Very low	Very low	Moderate-High	Moderate-High	Medium	High	High	Medium-Low
Endophyte-enhanced	No	No	No	No	No	No	No	No	No





The darker the colour, the more chlorophyll, therefore, more resistance to stress

Warm-season grass

(Cynodon dactylon)

Did you know that grass is an ideal crop to irrigate using recycled water due to its high tolerance to salinity, its high nitrogen needs and its purifying effect?



Bermudagrass

Warm-season grasses (C4) require a minimum soil temperature of 18°C to germinate and begin to lose colour when soil temperatures drop below 12°C. They have a lateral growth by stolons and rhizomes.

Uses:

Sports fields, football pitches, polo, horse racetracks, golf course fairways, tees and rough, public and private gardening with very low water consumption. Also used in the production of sod.



Hybrid seed varieties improving Tifway 419 quality

IBIZA



The solution against drought, heat, cold and salinity

- New generation of hybrid bermudagrass seed.
- Requires 20% less water compared to other bermudagrass varieties.
- High salinity tolerance.
- Excellent density comparable to vegetative (sod) varieties.
- Excellent winter-hardiness.
- Optimum autumn colour retention.
- Spring green-up faster than other bermudagrasses.
- Germinates in 7 days in optimal conditions thanks to the FITÓ OPTIMA seed enhancement.
- Exceptional wear tolerance and recovery from traffic.
- Genetically darker green colour.
- · Maximum resistance to spring dead spot.

Especially recommended for use on sports fields, horse racetracks, tees and fairways on golf courses and public and private lawns.





Hybrid seed varieties improving Tifway 419 quality

FLORIDA













- High density.
- Exceptional winter resistance.
- Good colour retention, especially during the autumn months.
- · Genetically darker green colour.
- Exceptional wear tolerance.

Ideal for greens, tees and fairways on golf courses, football pitches, horse racetracks, polo, tennis courts and public and private gardening in the Mediterranean area and the Canary Islands.



Winter appearance

Improved Bermudagrass common type

GOBI

Very fast to establish

- Mediterranean type with unbeatable drought and salt tolerance.
- Very fast establishment with great recovery capacity.
- Produces less thatch.
- Mowing height from 15 mm.
- Low maintenance needs.
- Resistant to spring dead spot and Dollar spot.

Suitable for landscaping, public and private lawns, sport fields, and golf course rough.



Winter appearance

MED PRO SLT

The most resistant Bermuda against salinity

- Maximum tolerance to salinity.
- Excellent spring colour recovery.
- Exceptional traffic tolerance.
- Fast establishment.
- Great recovery capacity.
- Outstanding wear tolerance.

Ideal for tees and fairways on golf courses, sports fields, horse racetracks, as well as public and private landscaping and soil stabilisation projects.



Winter appearance

Species	Cynodon Dactylon						
Variety	IBIZA	FLORIDA	GOBI	MED PRO SLT			
Seeding rate g/m²	10-15	10-15	10-15	6.5-13			
Overseeding rate g/m²	10	10	10	6.5-15			
Seeds per gram	1,950	1,860	2,200	2,150			
Days to germinate	7-10	7-10	5	5			
Recommended plan- ting dates	Spring-Summer	Summer	Summer	Late Spring-Summer			
Colour	Medium	Dark	Medium	Medium dark			
Establishment	Medium	Medium	Very fast	Fast			
Growth	Medium	Slow	Very fast	Medium-Fast			
Leaf texture	Fine	Fine	Medium	Medium-Fine			
Spreding activity	Rhizomes and stolons	Rhizomes and stolons	Rhizomes and stolons	Rhizomes and stolons			
Maintenance	Medium	Medium	Medium-Low	Low			
Fertilising needs	Medium	Low	Low	Low			
Shade tolerance	Medium	Low	Low	Low			
Winter dormancy	Below 9°C	Below 9°C	Below 12 °C	Below 12 °C			
Cold resistance	Excellent	Excellent	High	High			
Disease resistance	Spring dead spot, Dollar spot	Spring dead spot, Dollar spot	Spring dead spot	Spring dead spot			
Recovery capacity	Excellent	Excellent	Excellent	Excellent			
Traffic tolerance	Excellent	Excellent	High	Exceptional			
Heat tolerance	Excellent	Excellent	Excellent	Excellent			
Mowing height	From 10 mm	From 10 mm	From 15 mm	From 10 mm			
Mowing frequency	Low	Low	Medium	Medium			
Drought tolerance	Excellent	Excellent	Excellent	Excellent			
Salinity tolerance	Excellent	Excellent	High	Excellent			



Seashore Paspalum, Knot Grass







(Paspalum vaginatum)

Warm-season grass (C4) that requires minimum soil temperatures over 18°C to germinate, losing colour below 4°C. Rhizomatous and stoloniferous growth habit.
Outstanding salt tolerance.





Uses:

- Soils with high salt content and areas with poor quality irrigation water, sport fields, horse racetracks, polo fields, greens, tees, fairways and rough on golf courses, public and private lawns.
- Should be seeded when soil temperatures are above 18°C.

PURE DYNASTY

The new generation of Paspalum in seed

- Exceptional quality PLATINUM TE variety.
- Maximum salinity tolerance.
- Allows you to seed grass in extreme salinity conditions.
- Bright dark green colour.
- Requires a balanced fertilisation (especially calcium and manganese) during establishment.

For golf course greens, tees, fairways, rough, sports fields, public and private gardening.



Winter appearance

Paspalum notatum

C4 turfgrass species with a broad leaf texture which is better suited to a warm climate. Adapts to a wide range of soil conditions including slightly acidic and infertile soils. It propagates easily by seed and forms a very resistant and open sward, especially suitable for stabilising land.

PENSA PRO









Winter appearance



LINDATINO

• Requires at least 8 hours of daily sunlight.

• Excellent tolerance to direct sunlight.

Best drought tolerance

- Coarse texture.
- Excellent drought tolerance.
- Excellent resistance to diseases.
- Very resistant to foot traffic.

Kikuyu

(Pennisetum clandestinum)

Warm-season grass (C4) which requires minimum soil temperatures of 18°C for germination and loses colour below 4-5°C. Spreads by vigorous rhizomes and stolons.

Maximum heat and drought tolerance. Highly traffic tolerant and resists low mowing heights. Can be seeded in its pure form or mixed with other varieties.



Uses:

Coastal areas with soils high in salt content where only low-quality water is available. Public and private lawns, sports fields and public paths.

Seed variety

AZ-1

Less aggressive

- Longest active growth period and resists dormancy in coastal areas.
- Finer stolons and prone to seed heads.
- Does not create much thatch.
- Spring dead spot and brown patch resistant.

Recommended for public and private gardens and sports fields.





Species	Paspalum vaginatum	Paspalum notatum	Kikuyu
Variety	PURE DYNASTY	PENSA PRO	AZ-1
Seeding rate g/m²	6.5-13	30-45	5-15
Overseeding rate g/m²	10	20	10
Seeds per gram	720	440	515
Days to germinate at 30°C	7-10	7-21, with 30°C	7-10
Recommended planting/sowing dates	Summer	Spring-Summer	Summer
Colour	Dark bright	Medium	Medium-Dark
Establishment	Fast	Fast	Fast
Growth	Slow, rhizomatous	Fast	Fast
Leaf texture	Fine	Thick	Coarse
Spreading activity	Rhizomes and stolons	Rhizomes and stolons	Rhizomes and stolons
Maintenance	High	Low	Medium
Fertilising needs	Low but specific	Low	Low
Shade tolerance	Medium-High	Medium	Medium-High
Winter dormancy	Below 0°C	Below 12°C	Below 4°C
Cold resistance	Low	Low	High
Disease resistance	Spring dead spot, Dollar spot	-	Spring dead spot, Brown patch
Recovery capacity	Excellent	Low	Excellent
Traffic tolerance	Excellent	Medium	Excellent
Heat tolerance	Excellent	High	Excellent
Mowing height	5-30 mm	30-50 mm	5-30 mm
Mowing frequency	Medium-Low	Low	Medium-High
Drought tolerance	Very high	Very high	Very high
Salt tolerance	Unbeatable	Medium-High	Excellent



Zoysiagrass

(Zoysia japonica, Zoysia matrella, Zoysia tenuifolia, Zoysia hibrida)

Warm-season grass (C4), which requires soil temperatures above 18°C to germinate and loses colour when temperatures drop below 10°C although some leaves remain green, even in frosty conditions. Very slow establishment. Spreads by stolons and rhizomes. Maximum tolerance in conditions of heat, drought and salinity. Moderate traffic tolerant. Low maintenance that does not need frequent mowing.



Uses:

Sustainable turf. Low maintenance turf for use on public and private lawns, areas with little access to irrigation and zones that do not require much mowing.

Seed variety of Zoysia japonica

ZENPRO



Easier to establish

- Medium leaf texture.
- Faster to establish (3 to 4 months) than all vegetative varieties.
- Maximum rusticity and very low water requirements.
- Does not require frequent mowing (4-5 mowing a year).

Ideal for minimal maintenance gardening.



Winter appearance

Species	Zoysia japonica
Variety	ZENPRO
Seeding rate g/m²	5-15
Overseeding rate g/m²	10
Seeds per gram	1,409
Days to germinate at 30°C	14-35
Recommended planting/ sowing dates	Spring-Summer
Colour	Medium-Dark
Establishment	Slow
Growth	Slow
Leaf texture	Medium
Spreading activity	Rhizomes and stolons
Maintenance	Low
Fertilising needs	Very Low
Mowing frequency	Very Low
Mowing height	10-30 mm
Shade tolerance	Medium
Winter dormancy	Below 7°C
Disease resistance	Spring dead spot, Brown patch
Recovery capacity	Low
Traffic tolerance	Medium
Heat tolerance	Excellent
Drought tolerance	Excellent
Salt tolerance	Excellent

C4 varieties for shade situations

St Augustine

(Stenotaphrum secundatum)

Warm-season grass (C4) with coarse leaf texture, widely used throughout the Mediterranean for its shade tolerance, low maintenance and ability to maintain its green colour, especially during mild winters. With an aggressive, creeping growth habit.

Uses:

Residential public and private gardens in shade or semi-shaded areas, with minimal maintenance needs in a Mediterranean climate.

Seed variety

GRAPRO





The first St Augustine variety from seed

- Excellent shade tolerance in a Mediterranean climate.
- Lateral growth.
- Low maintenance requirements.
- Maintains colour in winter.
- Extremely heat and traffic tolerant.

Ideal for residential areas in full or partial shade. Minimal maintenance.





Dactyloctenium Australe

(Durban Grass)

Warm-season grass (C4) that requires soil temperatures above 18°C for active growth and does not lose colour during winter months. Furthermore, it is the most shade-tolerant species of all C4 grasses, which makes it a very attractive choice for implantation throughout the Mediterranean.

Uses:

Minimal maintenance gardening, full shade areas, trees, no treadin, infrequent mowing.

LM

Solution for shade situations

- Adapts very well to areas in full shade.
- Lateral growth.
- High salinity tolerance.
- · Maximum tolerance to heat and traffic.

Ideal for low-maintenance public and private gardening in a Mediterranean climate where shade is a problem.





Axonopus fissifolius

Warm season grass (C4) with a thick leaf texture, slow growth and light green colour. Adapts well to humid, sandy or acidic soils or on infertile soils to aid in stabilisation. Also used in landscaping. Low maintenance grass with cutting heights of between 2.5 to 5 cm.

Uses:

Public parks, roadsides and other areas to improve the landscape.

BRASIL PRO











Minimum maintenance and shade tolerant

- Grows well in poor soil conditions.
- Tolerates shade.
- Requires little or no fertiliser.
- Competes well with weeds.
- Helps to control erosion.

Ideal for stabilising the ground on steep slopes.





Buffalograss (Bouteloua dactyloides)

TEXOKA

Minimum maintenance needs

- · Sustainable.
- Maximum tolerance to heat and drought.
- Minimum mowing.
- · Low traffic and shadow tolerance.

Ideal for out rough or low maintenance zones in a continental climate.



Winter appearance

Shade resistant Convolvulaceae

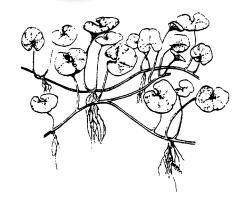
Dichondra Repens

Convolvulaceae species adapted to coastal areas with a mild climate and available irrigation. Broad, globular, ornamental leaf that decreases in size when mowed. Growth is in the form of rhizomes. Requires a minimum soil temperature of 20°C to germinate, with seeding preferably carried out during the months of Spring and Summer. It tolerates sunlight well and has maximum shade tolerance that requires minimal maintenance.



Sustainable turf, sun and shade tolerant. Areas that require infrequent mowing.





Species	Stenotaphrum secundatum	Dactiloctenium australe	Axonopus fissifolius	Bouteloua dactyloides
Variety	GRAPRO	LM	BRASIL PRO	TEXOKA
Seeding rate g/m²	1-3	1-3	10	10
Overseeding rate g/m²		1-2	5	100 kg/ha
Seeds per gram	2,950	23,130	2,800	605
Days to germinate at 30°C	7-10	7-10	7-10	30
Recommended planting/ sowing dates	Spring-Summer	Spring-Summer	Spring-Summer	Summer
Colour	Dark	Light	Medium-Light	Medium
Establishment	Slow	Fast	Fast	Very slow
Growth	Slow	Medium	Medium	Very slow
Leaf texture	Medium	Medium	Medium	Fine
Spreading activity	Stolons	Stolons	Stolons	No
Maintenance	Low	Low	Low	Very low
Fertilising needs	Medium	Low	Low	Very low
Mowing frequency	Very low	Very low	Very low	Very low
Mowing height	From 20 mm	From 20 mm	From 20 mm	From 50 mm
Shade tolerance	Excellent	Excellent	Excellent	Very low
Winter dormancy	Below 3°C	Below 3°C	No	Below 12°C
Disease resistance	Grey leaf spot	Spring dead spot	High	
Recovery capacity	High	High	Excellent	Very low
Traffic tolerance	High	High	High	Very low
Heat tolerance	Excellent	Excellent	Excellent	Very high
Drought tolerance	High	Excellent	Excellent	Very high
Salt tolerance	High	High	High	Medium

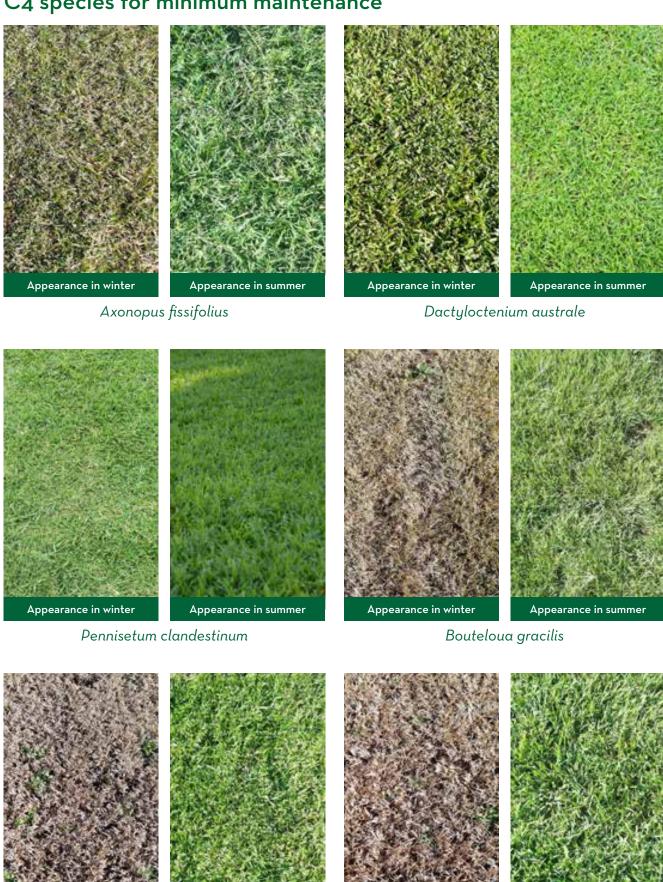
Convolvulaceae

Species	Dichondra repens
Variety	СОМИМ
Seeding rate g/m²	5-15
Overseeding rate g/m²	10
Seeds per gram	236
Days to germinate at 30°C	7-21
Recommended planting/ sowing dates	Spring-Summer
Colour	Medium-Dark
Establishment	Slow
Growth	Slow
Leaf texture	Broadleaf
Spreading activity	Rhizomes
Maintenance	Low
Fertilising needs	Low
Mowing frequency	Very low
Mowing height	From 10 mm
Shade tolerance	Excellent
Winter dormancy	Below 3°C
Disease resistance	-
Recovery capacity	High
Traffic tolerance	Low
Heat tolerance	High
Drought tolerance	Low
Salt tolerance	Low

Other warm season species (C4)

Species	Eremochloa ophiuroides	Stenotaphrum secundatum	Zoysia tenuifolia
Variety	TIFFBLAIR	STENOPRO	
Seeding rate g/m²	5-10	Vegetative multiplication	Vegetative multiplication
Overseeding rate g/m²	10	Vegetative multiplication	Vegetative multiplication
Seeds per gram	110	The seed does not exist	The seed does not exist
Days to germinate at 30°C	10-20	It is established by cutting or sod	It is established by cutting or sod
Recommended sowing dates	Late Spring-Summer	Cutting in Summer	Sod or cutting in Summer
Colour	Medium	Dark	Light
Establishment	Medium	Slow	Very slow (more than a year)
Growth	Medium	Slow	Very slow
Leaf texture	Medium	Ver thick	Very fine
Spreading activity	Stolons	Stolons	Rhizomes
Maintenance	Very low	Low	Very low
Fertilising needs	Medium	Medium	Very low
Mowing frequency	Low	Very low	No cut
Mowing height	30-50 mm	10-30 mm	-
Shade tolerance	Very low	Medium	Medium
Winter dormancy	Below 12°C	Below 5°C	Below o∘C
Disease resistance	Brown patch	-	-
Recovery capacity	Very high	High	Very low
Traffic tolerance	Medium	High	Moderate
Heat tolerance	Very high	High	Very high
Drought tolerance	Very high	Medium	Very high
Salt tolerance	Excellent	Medium	Very high

C4 species for minimum maintenance



Bouteloua curtipendula

Appearance in summer

Appearance in winter

Schizachyrium scoparius

Appearance in winter

Appearance in summer

Mixtures



SPARRING mixture

Compact and persistent

- Our most popular blend with superior performance.
- Provides endurance and excellent recovery.
- Medium to low cultivation needs. Low mowing and fungicide need.
- High tolerance to heat, drought and salinity.
- Water savings of up to 30% compared to standard cool-season mixtures.

Uses: Public and private lawns, football pitches, horse racetracks, polo fields, Golf course rough and pitch and putt fairways. Also used for sod production.

COMPOSITION	% WEIGH	% SEED COUNT
Festuca arundinacea GENIUS	30%	21%
Festuca arundinacea TANK	30%	20%
Festuca arundinacea BIZEM	20%	15%
Lolium perenne RINOVO	10%	10%
Poa pratensis PRAFIN	5%	17%
Poa pratensis JERSEY	5%	17%









CHARACTERISTICS		
Seeding rate g/m²	35	
Overseeding rate g/m²	40-50	
Seeds per gram	730	
Days to germinate	7-12	
Recommended planting dates	Spring, end of Summer, Automn	
Colour	Dark	
Establishment rate	Medium	
Growth	Slow	
Leaf texture	Medium	
Spreading activity	Yes	
Maintenance	Low	
Fertilising needs	Low	
Shade tolerance	Medium	
Winter dormancy	No	
Disease resistance	Excellent	
Recovery capacity	Excellent	
Traffic tolerance	Excellent	
Heat tolerance	Excellent	
Mowing height	20-30 mm	
Mowing frequency	Low	
Irrigation needs	Low	
Salt tolerance	High	



RUSTICO mixture

Good quality/price ratio. Low maintenance

- Mixture based on semi-dwarf varieties of Festuca arundinacea and Lolium perenne.
- Withstands foot traffic and uprooting.
- Resistant to diseases and pests.
- Low water and fertiliser consumption.

Uses: Sports fields, horse racetracks, polo, golf course rough areas, pitch & putt fairways, low-maintenance gardening with maximum hardiness. Used as a cover grass for fruit orchards and vineyards.

Packaged: 25 kg.

CO	MPOSITION	% WEIGH	% SEED COUNT
Fes	tuca arundinacea FIRACES	40%	38%
Fes	tuca arundinacea MERIDA	40%	38%
Loli	ium perenne RINGLES	10%	12%
Loli	ium perenne LOVER	10%	12%









CHARACTERISTICS		
Seeding rate g/m² 35		
Overseeding rate g/m²	40-50	
Seeds per gram	540	
Days to germinate	5-10	
Recommended planting dates	Spring-Automn	
Colour	Dark	
Establishment rate	Fast	
Growth	Slow	
Leaf texture	Medium	
Spreading activity	Si	
Maintenance	Low	
Fertilising needs	Low	
Shade tolerance	Medium	
Winter dormancy	No	
Disease resistance	Excellent	
Recovery capacity	Excellent	
Traffic tolerance	Excellent	
Heat tolerance	High	
Mowing height	20-30 mm	
Mowing frequency	Medium	
Irrigation needs	Low	
Salt tolerance	High	



RESISTENTE mixture

Rustic and resistant

- Uniform mixture, adapted for low maintenance requirements.
- Savings of up to 30% on irrigation water and 50% on mowing frequency compared to other mixtures. Due to its Mediterranean-type Festuca arundinaceas, does not go dormant in the winter. Recovers very well after periods of drought without irrigation.
- Tolerates full sun and partial shade, heat, drought and salinity.

Uses: Horse racetracks, polo, golf course rough, low-maintenance gardening with maximum rusticity. Sod production.

COMPOSITION	% WEIGH	% SEED COUNT
Festuca arundinacea FESNOVA	35%	21%
Festuca arundinacea MERIDA	30%	22%
Festuca arundinacea GENIUS	30%	22%
Poa pratensis PRAFIN	5%	35%









CHARACTERISTICS		
Seeding rate g/m² 40		
Overseeding rate g/m²	50	
Seeds per gram	719	
Days to germinate	10-15	
Recommended planting dates	Spring-Automn	
Colour	Dark	
Establishment rate	Medium	
Growth	Slow	
Leaf texture	Medium	
Spreading activity	Yes	
Maintenance	Medium	
Fertilising needs	Very low	
Shade tolerance	High	
Winter dormancy	No	
Disease resistance	Excellent	
Recovery capacity	Excellent	
Traffic tolerance	Excellent	
Heat tolerance	Excellent	
Mowing height	From 25 mm	
Mowing frequency	Very low	
Irrigation needs	Low	
Salt tolerance	High	



STRONG mixture

The new generation of Festuca arundinacea for sports fields

- Low maintenance.
- Fine leaf texture.
- Excellent traffic tolerance and recovery.
- Water savings of up to 30%.
- Maximum drought and shade tolerance.
- Excellent winter activity.

Uses: Public and private gardening with low maintenance and high aesthetics. Rough on golf courses, horse racetracks and polo fields.

Packaged: 25 kg.

COMPOSITION	% WEIGH	% SEED COUNT
Festuca arundinacea BIZEM	50%	49%
Festuca arundinacea GENIUS	25%	26%
Festuca arundinacea FESNOVA	25%	24%









CHARACTERISTICS		
Seeding rate g/m²	45	
Overseeding rate g/m²	50	
Seeds per gram	495	
Days to germinate	7-12	
Recommended planting dates	Spring-Automn	
Colour	Dark	
Establishment rate	Fast	
Growth	Slow	
Leaf texture	Fine	
Spreading activity	Yes	
Maintenance	Low	
Fertilising needs	Low	
Shade tolerance	High	
Winter dormancy	No	
Disease resistance	Excellent	
Recovery capacity	Excellent	
Traffic tolerance	Excellent	
Heat tolerance	Excellent	
Mowing height	From 10 mm	
Mowing frequency	Low	
Irrigation needs	Low	
Salt tolerance	High	



MIXTURE

Mixtures to save water and with less maintenance

COSTA mixture

For drought and salinity

- Specific blend for use along Mediterranean coastal areas or warm inland areas.
- Savings of up to 50% on irrigation compared to other traditional coolseason grasses.
- Due to its varieties of Festuca arundinacea, does not go dormant in the winter months.
- Recovers very well after periods of drought.
- Performs very well in sunny areas and partial shade, as well as heat, drought and salinity conditions.

Uses: Horse racetracks, polo, golf course rough, low-maintenance gardening with maximum hardiness on coastal sites.

COMPOSITION	% WEIGH	% SEED COUNT
Festuca arundinacea BIZEM	35%	19%
Festuca arundinacea MERIDA	35%	19%
Poa pratensis PRAFIN	10%	30%
Lolium perenne SUN	10%	7%
Cynodon dactylon GOBI	10%	25%









CHARACTERISTICS		
Seeding rate g/m²	25-35	
Overseeding rate g/m²	50	
Seeds per gram	906	
Days to germinate	7-15	
Recommended planting dates	Spring-Automn	
Colour	Dark	
Establishment rate	Medium	
Growth	Slow	
Leaf texture	Medium	
Spreading activity	Yes	
Maintenance	Medium	
Fertilising needs	Very low	
Shade tolerance	Medium	
Winter dormancy	No	
Disease resistance	Excellent	
Recovery capacity	Excellent	
Traffic tolerance	Excellent	
Heat tolerance	Excellent	
Mowing height	From 25 mm	
Mowing frequency	Low	
Irrigation needs	Very low	
Salt tolerance	Excellent	



High-maintenance mixtures with maximum traffic tolerance

SPORT mixture

Fine leaf texture and traffic tolerant

- Establishes very quickly when incorporating the latest generation perennial Lolium varieties with great persistence. *Poa pratensis* provides recovery due to its lateral growth habit.
- Varieties adapted to low mowing heights which cope under heavy traffic and climatic stresses.
- Mixture that produces a dense, high quality surface.

Uses: Sports fields, tennis courts, horse racetracks, golf course tees and fairways and garden of maximum quality. Sod production.

COMPOSITION	% WEIGH	% SEED COUNT
Lolium perenne PROCESS	25%	12%
Lolium perenne GREENLAND	25%	12%
Lolium perenne RINOVO	20%	11%
Poa pratensis FIELD PRO	10%	23%
Poa pratensis PRAFIN	10%	20%
Poa pratensis STRENUUS	10%	21%









CHARACTERISTICS		
Seeding rate g/m²	25-35	
Overseeding rate g/m²	40-50	
Seeds per gram	1,151	
Days to germinate	5-10	
Recommended planting dates	Spring-Automn	
Colour	Medium dark	
Establishment rate	Fast	
Growth	Medium	
Leaf texture	Fine	
Spreading activity	Yes	
Maintenance	Medium	
Fertilising needs	High	
Shade tolerance	Low	
Winter dormancy	No	
Disease resistance	High	
Recovery capacity	Excellent	
Traffic tolerance	Excellent	
Heat tolerance	High	
Mowing height	From 10 mm	
Mowing frequency	Medium	
Irrigation needs	Medium	
Salt tolerance	High	



High-maintenance mixtures with maximum traffic tolerance

SPORT BLUE mixture









The innovation for sports fields

- Maximum resistance to grey leaf spot and summer diseases.
- \bullet Poa pratensis provides excellent recovery capacity due to its lateral growth.
- Quality varieties adapted to low cutting heights which cope well under stressful conditions, resulting in optimal density.
- Can be seeded during summer months.

Uses: Sports fields, tennis courts, horse racetracks, golf course tees and fairways, high maintenance lawns. Sod production.

COMPOSITION	% WEIGH	% SEED COUNT
Poa pratensis PRAFIN	30%	28%
Poa pratensis FIELD PRO	25%	26%
Poa pratensis STRENUUS	25%	23%
Poa pratensis JERSEY	20%	23%

CHARACTERISTICS		
Seeding rate g/m²	10-15	
Overseeding rate g/m²	25	
Seeds per gram	2,480	
Days to germinate	12-25	
Recommended planting dates	Spring-Summer	
Colour	Medium dark	
Establishment	Medium	
Growth	Slow	
Leaf texture	Fine	
Mowing frequency	Yes	
Mowing height	Medium	
Maintenance	Medium	
Fertilising needs	High	
Cold tolerance	No	
Shade tolerance	High	
Disease resistance	Excellent	
Recovery capacity	Excellent	
Traffic tolerance	High	
Heat tolerance	From 12 mm	
Salt tolerance	Medium	
Irrigation needs	Medium	



High maintenance and resistance mixture, with light colour

SPORT LIGHT mixture











Fine leaf texture and traffic resistant

- It is installed very quickly by incorporating latest generation perennial Lolium varieties with great persistence. Excellent recovery.
- Varieties adapted to low cutting heights and conditions of climatic stresses.
- Turfgrass mixture with high density.

Uses: Sport fields, tennis courts, horse racetracks, golf course tees and fairways, top quality gardening. Sod production.

Packaged: 1 kg and 25 kg.

COMPOSITION	% WEIGH	% SEED COUNT
Lolium perenne GREENSPREAD	35%	17%
Lolium perenne ZURICH	35%	18%
Poa pratensis JERSEY	30%	66%

CHARACTERISTICS		
Seeding rate g/m²	25-35	
Overseeding rate g/m²	40-50	
Seeds per gram	1,151	
Days to germinate	5-10	
Recommended planting dates	Spring-Automn	
Colour	Light	
Establishment rate	Fast	
Growth	Medium	
Leaf texture	Fine	
Spreading activity	Yes	
Maintenance	Medium	
Fertilising needs	High	
Shade tolerance	Low	
Winter dormancy	No	
Disease resistance	High	
Recovery capacity	Excellent	
Traffic tolerance	Excellent	
Heat tolerance	High	
Mowing height	From 10 mm	
Mowing frequency	Medium	
Irrigation needs	Medium	
Salt tolerance	High	





The Semillas Fitó turfgrass test plots in Barcelona have an area of 1,800 m², where more than 160 varieties of C3, C4 and mixtures are tested.

Fine leaf textured mixtures

ORNAMENTAL mixture







Fine and fast

- Aesthetic, fine-textured mixture with medium to low maintenance
- Rapid establishment.
- Traffic and shade tolerant with very good recovery.
- Prefers temperate to cold climate though the advanced varieties are also heat-tolerant.

Uses: Public and private lawns with fine leaf texture. Golf course tees and fairways.

COMPOSITION	% WEIGH	% SEED COUNT
Festuca rubra rubra RUFI	30%	26%
Lolium perenne RINGLES	25%	15%
Lolium perenne SUN	25%	17%
Festuca rubra rubra FINE PRO	10%	10%
Poa pratensis PRAFIN	10%	32%

CHARACTERISTICS		
Seeding rate g/m²	25-35	
Overseeding rate g/m²	40-50	
Seeds per gram	874	
Days to germinate	5-8	
Recommended planting dates	Spring-Automn	
Colour	Medium	
Establishment rate	Fast	
Growth	Medium	
Leaf texture	Very fine	
Spreading activity	Yes	
Maintenance	Medium	
Fertilising needs	Medium	
Shade tolerance	Medium	
Winter dormancy	No	
Disease resistance	Medium	
Recovery capacity	High	
Traffic tolerance	High	
Heat tolerance	Medium	
Mowing height	From 15 mm	
Mowing frequency	Medium	
Irrigation needs	Medium	
Salt tolerance	Medium	



Fine leaf textured mixtures

SOMBRA mixture

Fine and ornamental

- Fine leaf textured mixture specially designed where shade is problematic.
- Moderate mowing and fertiliser needs.
- Prefers temperate climate although adapts well to warmer climates.

Uses: Public and private lawns. Fairways and tees on golf courses as well as areas in shade.

Packaged: 1 kg, 5 kg and 25 kg.

COMPOSITION	% WEIGH	% SEED COUNT
Festuca rubra rubra RUFI	40%	39%
Festuca Rubra trichophylla PINAFORE	20%	20%
Festuca rubra commutata ZODIAC	20%	27%
Lolium perenne RINGLES	20%	14%









CHARACTERISTICS				
Seeding rate g/m ² 25				
Overseeding rate g/m²	35			
Seeds per gram	788			
Days to germinate	5-8			
Recommended planting dates	Spring-Automn			
Colour	Medium			
Establishment rate	Medium			
Growth	Slow			
Leaf texture	Very fine			
Spreading activity	Yes			
Maintenance	Medium			
Fertilising needs	Medium			
Shade tolerance	High			
Winter dormancy	No			
Disease resistance	High			
Recovery capacity	Low			
Traffic tolerance	Medium			
Heat tolerance	Medium			
Mowing height	From 15 mm			
Mowing frequency	Low			
Irrigation needs	Medium			
Salt tolerance	Medium			



CREPING RYE mixture









100% dark-coloured, lateral growth varieties

- Monospecific mixture based on varieties of Lolium perenne ultimate generation characterised by their lateral growth and maximum persistence.
- Excellent for reseeding any worn areas.
- The size of seeds, smaller than other varieties of Lolium perenne and its capacity for lateral growth, allows for a lower seeding rate by 30% to 20 g/m².

Uses: In any area such as initial seeding or reseeding. For sod production, high traffic sports fields, tees on golf courses, high maintenance gardens where horizontal and vertical growth is required.

Packaged: 25 kg.

COMPOSITION	% WEIGH	% SEED COUNT
Lolium perenne PROCESS	40%	38%
Lolium perenne GREENLAND	30%	29%
Lolium perenne RINOVO	30%	33%

CHARACTERISTICS				
Seeding rate g/m² 20				
Overseeding rate g/m²	30			
Seeds per gram	513			
Days to germinate	3-7			
Recommended planting dates	All year			
Colour	Dark			
Establishment rate	Very fast			
Growth	Fast			
Leaf texture	Fine			
Spreading activity	Yes			
Maintenance	Medium-High			
Fertilising needs	High			
Shade tolerance	Low			
Winter dormancy	No			
Disease resistance	High			
Recovery capacity	Excellent			
Traffic tolerance	Excellent			
Heat tolerance	High			
Mowing height	8-20 mm			
Mowing frequency	High			
Irrigation needs	High			
Salt tolerance	Excellent			



LIGHT RYE mixture

NEW









With lateral growth and light green colour

- Monospecific mixture based on ultima generation *Lolium perenne* varieties characterised by their light colour, lateral growth and high density and persistence.
- It is characterised by being a formula with varieties of fast establishment and very fine leaf texture.
- Excellent traffic tolerance.
- Competes very well against Poa annua.

Uses: For initial seeding or reseeding.

For the formation of sod, sports fields and in areas of high traffic, golf course tees, and high-quality lawns where horizontal and vertical growth is desired.

Packaged: 25 kg.

COMPOSITION	% WEIGH	% SEED COUNT	
Lolium perenne ZURICH	50%	52%	
Lolium perenne GREENSPREAD	50%	48%	

CHARACTERISTICS				
Seeding rate g/m²	20			
Overseeding rate g/m²	30			
Seeds per gram	513			
Days to germinate	3-7			
Recommended planting dates	All year			
Colour	Light			
Establishment rate	Very fast			
Growth	Fast			
Leaf texture	Fine			
Spreading activity	Yes			
Maintenance	Medium-High			
Fertilising needs	High			
Shade tolerance	Low			
Winter dormancy	No			
Disease resistance	High			
Recovery capacity	Very good			
Traffic tolerance	Excellent			
Heat tolerance	High			
Mowing height	From 10 mm			
Mowing frequency	High			
Irrigation needs	High			
Salt tolerance	Medium			



REPOBLADOR mixture

Quick and easy establishment

- Great mixture that offers the benefits of quick germination with the latest generation ryegrasses that resist high foot traffic.
- Excellent for overseeding damaged areas.
- Excellent traffic tolerance and recovery.

Uses: Overseeding any type of grass or as a base mixture for football, polo, tennis, and tees and rough on golf courses.

Packaged: 1 kg, 5 kg and 25 kg.

COMPOSITION	% WEIGH	% SEED COUNT
Lolium perenne RINGLES	40%	38%
Lolium perenne LOVER	30%	30%
Lolium perenne SUN	30%	32%









CHARACTERISTICS				
Seeding rate g/m² 25				
Overseeding rate g/m²	50			
Seeds per gram	573			
Days to germinate	3-7			
Recommended planting dates	All year			
Colour	Dark			
Establishment rate	Very fast			
Growth	Fast			
Leaf texture	Fine			
Spreading activity	No			
Maintenance	Medium-High			
Fertilising needs	High			
Shade tolerance	Low			
Winter dormancy	No			
Disease resistance	High			
Recovery capacity	Excellent			
Traffic tolerance	Excellent			
Heat tolerance	High			
Mowing height	8-20 mm			
Mowing frequency	High			
Irrigation needs	High			
Salt tolerance	High			



FAST mixture

Quick establishment even at low temperatures

- This formula combines a dwarf Italian ryegrass (*Lolium multiflorum*) with a high-quality perennial ryegrass.
- It germinates when soil temperatures are as low as 3°C and also roots very quickly.
- Has maximum tolerance to foot and machinery traffic.
- With the arrival of springtime temperatures, the annual ryegrass disappears smoothly and progressively without the need for herbicides, ensuring a natural transition between varieties.

Uses: Ideal for overseeding on cool-season species (C3) to cover worn areas, or for overseeding warm-season species (C4) in Autumn where a progressive transition without herbicides is desired. Used for overseeding tees and fairways on golf courses, football pitches, horse racetracks, tennis courts and lawns.

Packaged: 25 kg.

COMPOSITION	% WEIGH	% SEED COUNT
Lolium perenne SUN	50%	60%
Lolium perenne THUNDER	50%	40%









CHARACTERISTICS				
Seeding rate g/m² 30-40				
Overseeding rate g/m²	50			
Seeds per gram	508			
Days to germinate	3-7			
Recommended planting dates	Automn-Winter-Spring			
Colour	Dark			
Establishment rate	Very fast			
Growth	Fast			
Leaf texture	Fine			
Spreading activity	No			
Maintenance	Medium-High			
Fertilising needs	High			
Shade tolerance	Low			
Winter dormancy	No			
Disease resistance	High			
Recovery capacity	Excellent			
Traffic tolerance	Excellent			
Heat tolerance	Medium-Low			
Mowing height	10-20 mm			
Mowing frequency	High			
Irrigation needs	High			
Salt tolerance	Medium			



Cover mixtures with Wildflowers

JARDIN FLORIDO (wildflowers)











Explosion of colour

GENERAL USE

- Wildflowers.
- 60-80 cm height.

Uses: Flower beds, rockeries, borders and to add colour.

Composition: Iberis umbellata, Centaurea cyanus, Calendula officinalis, Cosmos sulphureus, Delphinium consolida mixed, Linum perenne, Zinnia elegans, Coreopsis lanceolata, Papaver rhoeas, Gaillardia pulchella, Chrysanthemum carinatum, Chrysanthemum carinatum, Coreopsis tinctoria, Silene pendula, Festuca ovina Aberfleeze.

Packaging: 10 g (4 m 2), 100 g (40 m 2), 500 g (20 m 2).

ENANO

- · Wildflowers.
- 20-30 cm height.

Uses: Flower beds, rockeries, borders and for creating spots of colour.

Composition: Cheiranthus allionii, Dimorphotheca sinuata, Tagetes patula, Calendula officinalis, Silene pendula, Iberis amara, Viola cornuta, Dianthus deltoides mixed, Lasthenia glabrata, Lobularia maritima, Malcolmia maritima, Phacelia campanularia, Saponaria ocymoides, Potentilia recta, Chrysanthemum paludosum, Alyssum saxatile, Bellis perennis, Festuca ovina Aberfleeze.

Packaging: 10 g (4 m²), 100 g (40 m²), 500 g (20 m²).



Cover mixtures with Wildflowers

CESPED FLORIDO

(meadow mix)











Turfgrass and flowers in harmony

GENERAL USE

- Wildflowers with low maintenance grasses.
- 60-80 cm maximum height. No traffic.

Uses: Areas where a natural-looking, wildflower lawn is desired.

Composition: Iberis umbellata, Centaurea cyanus, Calendula officinalis, Cosmos sulphureus, Delphinium consolida, Linum perenne, Zinnia elegans, Coreopsis Ianceolata, Papaver rhoeas mixed, Gaillardia pulchella, Chrysanthemum coronarium, Chrysanthemum carinatum, Coreopsis tinctoria Dwarf, Silene pendula, Festuca ovina Aberfleeze, Festuca rubra rubra Rufi.

Packaging: 500 g (20 m²), 10 kg.

ENANO

- Wildflowers with low maintenance grasses.
- 20 cm maximum height. Withstands light traffic.

Uses: Grass scattered with flowers with low-maintenance needs, out rough, low-maintenance gardens where a wide range of colours is desired.

Composition: Cheiranthus allionii, Dimorphotheca sinuata, Tagetes patula, Calendula officinalis, Silene pendula, Viola cornuta, Dianthus deltoides mixed, Lasthenia glabrata, Lobularia maritima, Malcolmia maritima, Saponaria ocymoides, Potentilia recta, Alyssum saxatile, Beliis perennis, Festuca ovina Aberfleeze, Festuca rubra rubra Rufi.

Packaging: 500 g (20 m²), 10 kg.

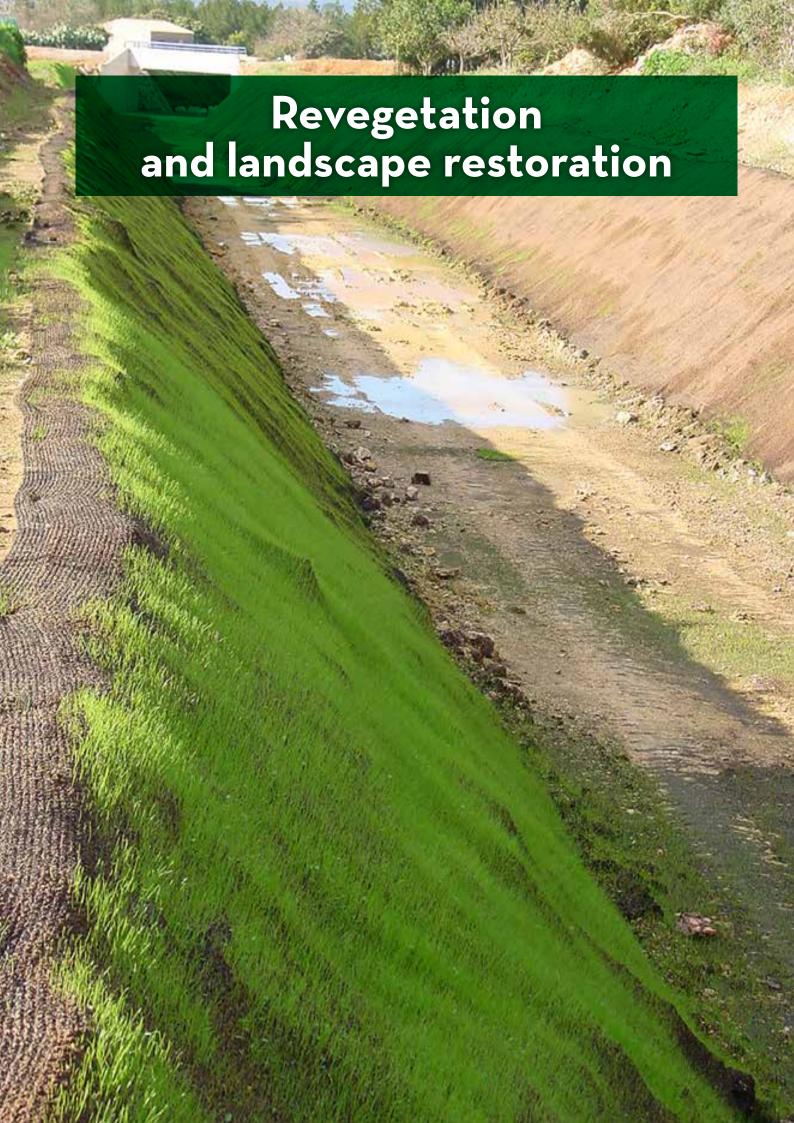


CHARACTERISTICS	SPARRING	RUSTICO	RESISTENTE	STRONG	COSTA	SPORT	SPORT BLUE	
Seeding rate g/m²	35	35	40	45	25-35	25-35	10-15	
Overseeding rate g/m²	40-50	40-50	50	50	50	40-50	25	
Seeds per gram	730	540	719	495	906	1,151	2,480	
Days to germinate	7-12	5-10	10-15	7-12	7-15	5-10	12-25	
Recommended planting dates	Spring, end of Summer, Automn	Spring-Automn	Late Spring	Spring-Automn	Late Spring-Summer	Spring-Summer	Spring-Summer	
Colour	Dark	Dark	Dark	Dark	Dark	Medium-Dark	Medium dark	
Establishment rate	Medium	Fast	Medium	Fast	Medium	Fast	Medium	
Growth	Slow	Slow	Slow	Slow	Slow	Medium	Slow	
Leaf texture	Medium	Medium	Medium	Fine	Medium	Fine	Fine	
Spreading activity	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
Maintenance	Low	Low	Medium	Low	Medium	Medium	Medium	
Fertilising needs	Low	Low	Very low	Low	Very low	High	Medium	
Shade tolerance	Medium	Medium	High	High	Medium	Low	High	
Winter dormancy	No	No	No	No	No	No	No	
Disease resistance	Excellent	Excellent	Excellent	Excellent	Excellent	High	High	
Recovery capacity	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	
Traffic tolerance	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	
Heat tolerance	Excellent	High	Excellent	Excellent	Excellent	High	High	
Mowing height	20-30 mm	20-30 mm	From 25 mm	From 10 mm	From 25 mm	From 10 mm	From 12 mm	
Mowing frequency	Low	Medium	Very low	Low	Low	Medium	Medium	
Irrigation needs	Low	Low	Low	Low	Very low	Medium	Medium	
Salt tolerance	High	High	High	High	Excellent	High	High	

	JARDIN FLORIDO (Wild Flowers)		CESPED FLORIDO (Meadow Mix)		
Variety	GENERAL USE	ENANO	GENERAL USE	ENANO	
Seeding rate g/m²	2-3	2-3	25	25	
Days to germinate	15-20	15-20	15-20	15-20	
Recommended planting dates	Mainly Spring and Automn		Spring an	Spring and Automn	
Colour	Yellow, blue, white, red, purple, rose	Yellow, blue, white	Yellow, blue, white, red, rose, violet	Yellow, white, rose, violet	
Maintenance	Low	Low	Low	Low	
Fertilising needs	Low	Low	Low	Low	
Shade tolerance	Moderate	Moderate	Moderate	High	
Drought tolerance	Low	Low	High	High	
Salt tolerance	Low	High	High	High	
Mowing height	-	-	No mowing	From 10 cm	
Mowing frequency	Twice a year after blooming		1-2 times a year after end of blooming	1-2 times a year	
Traffic tolerance	No	No	No	Moderate to high	
Plant height	60 cm	10-30 cm	60 cm	20 cm	
Pollinator mixture	Excellent	Excellent	Excellent	Yes	

SPORT LIGHT	ORNAMENTAL	SOMBRA	CREEPING RYE	LIGHT RYE	REPOBLADOR	FAST
25-35	25-35	25	20-30	30	25	30-40
40-50	40-50	35	30	30	50	50
1,151	874	788	513	513	573	508
5-10	5-8	5-8	3-7	3-7	3-7	3-7
Spring-Automn	Spring-Automn	Spring-Automn	All year	All year	All year	Automn, Winter, Spring
Light	Medium	Medium	Dark	Light	Dark	Dark
Fast	Fast	Medium	Very fast	Very fast	Very fast	Very fast
Medium	Medium	Slow	Fast	Fast	Fast	Fast
Fine	Very fine	Very fine	Fine	Fine	Fine	Fine
Yes	Yes	Yes	Yes	Yes	No	No
Medium	Medium	Medium	Medium-High	Medium-High	Medium-High	Medium-High
High	Medium	Medium	High	High	High	High
Low	Medium	High	Low	Low	Low	Low
No	No	No	No	No	No	No
High	Medium	High	High	High	High	High
Excellent	High	Low	Excellent	Very good	Excellent	Excellent
Excellent	High	Medium	Excellent	Excellent	Excellent	Excellent
High	Medium	Medium	High	High	High	Medium-Low
From 10 mm	From 15 mm	From 15 mm	8-20 mm	From 10 mm	8-20 mm	10-20 mm
Medium	Medium	Low	High	High	High	High
Medium	Medium	Medium	High	High	High	High
High	Medium	Medium	Excellent	Medium	High	Medium





Low performance

Cover Crops

SPARRING NITRO

• The advantages of our Sparring mixture, but with very low maintenance requirements.

Composition:

Festuca arundinacea MERIDA 85% Lolium perenne RINGLES Trifolium repens PIPOLINA

Seeding rate: 40 g/m².

Seeding time: Spring and Autumn.

RUSTIC LOW

• Combination of C3 and C4 grasses with minimal irrigation needs.

Composition:

Festuca arundinacea MERIDA 50% Paspalum notatum PENSA PRO 50%

Seeding rate: 40 g/m².

Seeding time: Spring and Autumn.



NATURAL MEADOW

- Low-maintenance mixture with clover that catches nitrogen from the atmosphere.
- Adapts well in any soil and climate.
- Minimal mowing and irrigation.
- Natural meadow appearance.

Composition:

Lolium perenne 15% 45% Festuca rubra rubra Festuca arundinacea 25% 5% Cynodon dactylon Trifolium repens 10%

Seeding rate: 15 g/m².

Seeding time: Spring and Autumn.



HYDROSEEDING-REVEGETATION

Mediterranean mixture

Native species to be added: Antyllis cytisoides, Cistus albidus, Lygeum spartium, Piptatherum milliaceum, Psoralea bituminsa, Retama sphaerocarpa, Stipa tenacissima.

Composition:

Lolium perenne
Agropyrum elongatum
Festuca arundinacea
Dactylis glomerata
Onobrychis Viciaefolia
Cynodon Dactylon
Medicago Sativa
Bouteloua dactyloides

Seeding rate: 25-30 g/m². Seeding time: Spring-Autumn.

Continental mixture

Native species to be added: Cistus clusii, Lavandula officinalis, Rosmarinus officinalis, Spartium junceum, Thymus vulgaris.

Composition:

20% Lolium perenne
15% Agropyrum elongatum
20% Festuca arundinacea
10% Dactylis glomerata
15% Festuca rubra rubra
5% Lotus corniculatus
5% Trifolium subterraneum
5% Melilotus officinalis
5% Onobrychis viciaefolia

Seeding rate: 25-30 g/m². Seeding time: Spring-Autumn.



Oceanic mixture

Native species to be added: Cytissus scoparius, Genista scorpius, Spartium junceum and Ulex europaeus.

Composition:

20% Lolium perenne
25% Dactylis glomerata
25% Festuca rubra rubra
10% Festuca ovina duriuscula
5% Sanguisorba minor
5% Agrostis tenuis
5% Trifolium repens
5% Melilotus officinalis

Seeding rate: 25-30 g/m². Seeding time: Spring-Autumn.

Ski resort mixture

This mixture has the following purposes:

- To prevent soil erosion.
- Maintain snow coverage for maximum amount of time possible.
- To help prevent avalanches.
- · Aesthetic appearance during summer months.

Composition:

24% Lolium perenne
25% Dactylis glomerata
25% Festuca rubra rubra
15% Fleo pratensis
5% Agrostis tenuis
5% Trifolium repens
1% Achillea millefolium

Seeding rate: 25-30 g/m². Seeding time: Summer.

High mountain mixture

Composition:

20% Lolium perenne
25% Dactylis glomerata
25% Festuca rubra rubra
15% Fleo pratensis
5% Agrostis tenuis
5% Trifolium repens
5% Melilotus officinalis

Seeding rate: 25-30 g/m². Seeding time: Spring-Autumn.





ENSURE YOUR CROP'S ECOSYSTEM WITH OUR COVER GRASS

The **FITÓ COVER** range has a range of products developed by Semillas Fitó to obtain groundcover which serves as an agronomic method for farm management. The objective is to help maintain and develop the structure and physical-chemical balance of the soil to benefit the main crop.

FUNCTIONS OF FITÓ COVER PRODUCTS

- To Increase organic matter content and improve soil structure.
- Reduce the risk of soil erosion and increase infiltration/retention of rainwater.
- Serve as a refuge for beneficial insects for pest control.
- Control weeds by competitiveness.
- To improve iron absorption; grasses can produce iron complexes.
- If legumes are present, they will transfer atmospheric nitrogen to the soil.
- In certain circumstances it can also be used as livestock feed.



Formula composed exclusively of perennial grasses, which provide a very dense, high-persistence and dwarf growth groundcover. All these factors help reduce maintenance costs because of reduced mechanical use. Planting Fitó Cover Grass in fruit or orchard orchards is recommended, since they have irrigation support and promote the development of the species providing groundcover.

SEEDING RATE: 40-50 kg/ha.

SEEDING PERIOD: Preferably in Autumn, although it can also be seeded in the springtime.

Cover grass is formed by different annual species of grasses and legumes which have a high reseeding capacity, which ensure their persistence over time. Using Fitó Cover Mix is advised in vineyards and olive groves where the water supply is limited or null, and climatic conditions are arid.

SEEDING RATE: 20 to 30 kg/ha.

SEEDING PERIOD: Early Autumn.



The range of **PERMANENT** mixes stand out for their durability and permanence in pasture. The combination of different species and growth periods allows extending the life of pasture, ensuring high quality forage production for an extended period.

TYPE: Multiyear.

OBJECTIVES: Its main purpose is for cattle grazing but can also be grown for mowing according to agricultural practices. Particularly suitable for extensive livestock facilities.

SEEDING PERIOD: Spring or Autumn.

PERMANENT FRESH

FOR TEMPERATE AND HUMID AREAS

- Ideal for temperate and humid areas.
- · Constant production guaranteed.

Composition: 93% grasses - 7% legumes

- Perennial ryegrass and hybrids
- Tall fescue
- Cocksfoot
- Timothy seeds
- Perennial clovers

Rate: 35-40 kg/ha





PERMANENT WARM

FOR WARMER AREAS

- Formula adapted for warm areas.

 Performs best with irrigation.
- · High production after initial rooting.



- Perennial ryegrass and hybrids
- Tall fescue
- Dactyl
- Perennial clovers

Rate: 30-35 kg/ha





PERMANENT PLUS

MORE PROTEINS

- Particularly suitable for temperate and humid areas.
- Great protein contribution thanks to higher legume count.

Composition: 80% grasses - 20% legumes

- Perennial ryegrass and hybrids
- Perennial clover

Rate: 35-40 kg/ha





PERMANENT GRASS

GREATER VERSATILITY

- Strong adaptation to all types of crop management.
- Formula suited to both humid and arid regions where irrigation is present.

Composición: 100% grasses

- · Perennial ryegrass and hybrids
- Tall fescue
- Dactyl
- Phleum pratense

Rate: 30-35 kg/ha

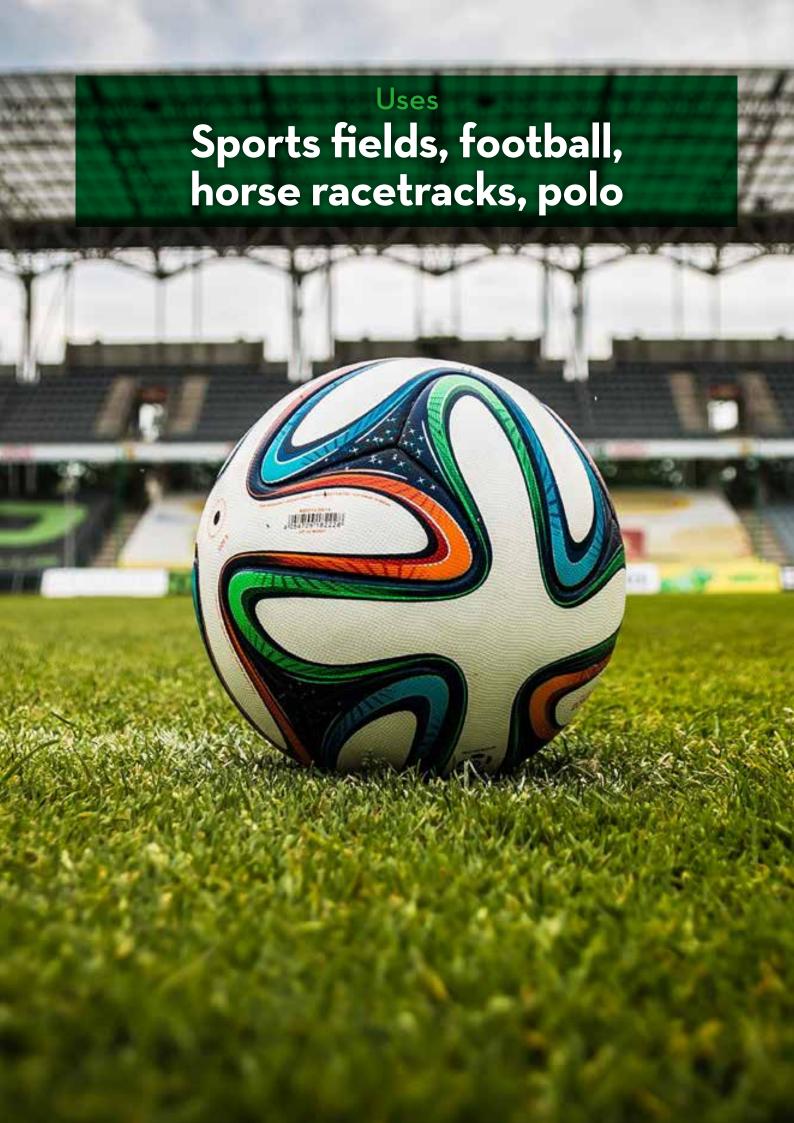
Uses Golf



	USES MEDITERRANEAN COAS T
GREENS	Agrostis stolonifera 007 DSB, TOUR PRO, T-1, LUMINARY, VALDERRAMA Paspalum vaginatum PURE DYNASTY
APRONS	 Agrostis stolonifera 007 DSB, TOUR PRO, T-1, LUMINARY, VALDERRAMA Mixture CREEPING RYE, REPOBLADOR, SPORT Lolium perenne PROCESS, RINOVO, GREENLAND Paspalum vaginatum PURE DYNASTY
TEES, FAIRWAYS	Mixture CREEPING RYE, ORNAMENTAL, REPOBLADOR, SPORT Agrostis stolonifera 007 DSB, TOUR PRO, LUMINARY, VALDERRAMA Cynodon dactylon IBIZA Paspalum vaginatum PURE DYNASTY
ROUGH	Mixture COSTA, RESISTENTE, SPARRING, STRONG Cynodon dactylon GOBI, IBIZA, MEDPRO SLT Paspalum vaginatum PURE DYNASTY
OUT ROUGH	• Cynodon dactylon GOBI
OVERSEEDING	 Mixture CREEPING RYE, REPOBLADOR, FAST Lolium perenne PROCESS, LOVER, GREENLAND, RINGLES, RINOVO, SUN Lolium multiflorum THUNDER Poa trivialis QUASAR, WINTERWAY Poa bulbosa RADIX 307

		USES CONTINENTAL CLIMATE	
	GREENS	• Agrostis stolonifera 007 DSB, TOUR PRO, T-1, LUMINARY, VALDERRAMA	
	APRONS	 Agrostis stolonifera 007 DSB, TOUR PRO, T-1, LUMINARY, VALDERRAMA Mixture CREEPING RYE, REPOBLADOR, SPORT Lolium perenne PROCESS, RINOVO, GREENLAND 	
	TEES, FAIRWAYS	 Mixture CREEPING RYE, ORNAMENTAL, REPOBLADOR, SPORT Agrostis stolonifera 007 DSB, TOUR PRO, LUMINARY, VALDERRAMA Cynodon dactylon IBIZA, MEDPRO SLT Lolium perenne GREENLAND, RINOVO 	
		Mixture ORNAMENTAL, RESISTENTE, RUSTICO, SPARRING Cynodon dactylon GOBI, IBIZA, MEDPRO SLT	
13	OUT ROUGH	Festuca ovina ABERFLEECE Festuda brevipila: SPARTAN 2 Cynodon dactylon GOBI, Bouteloua dactyloides TEXOKA	

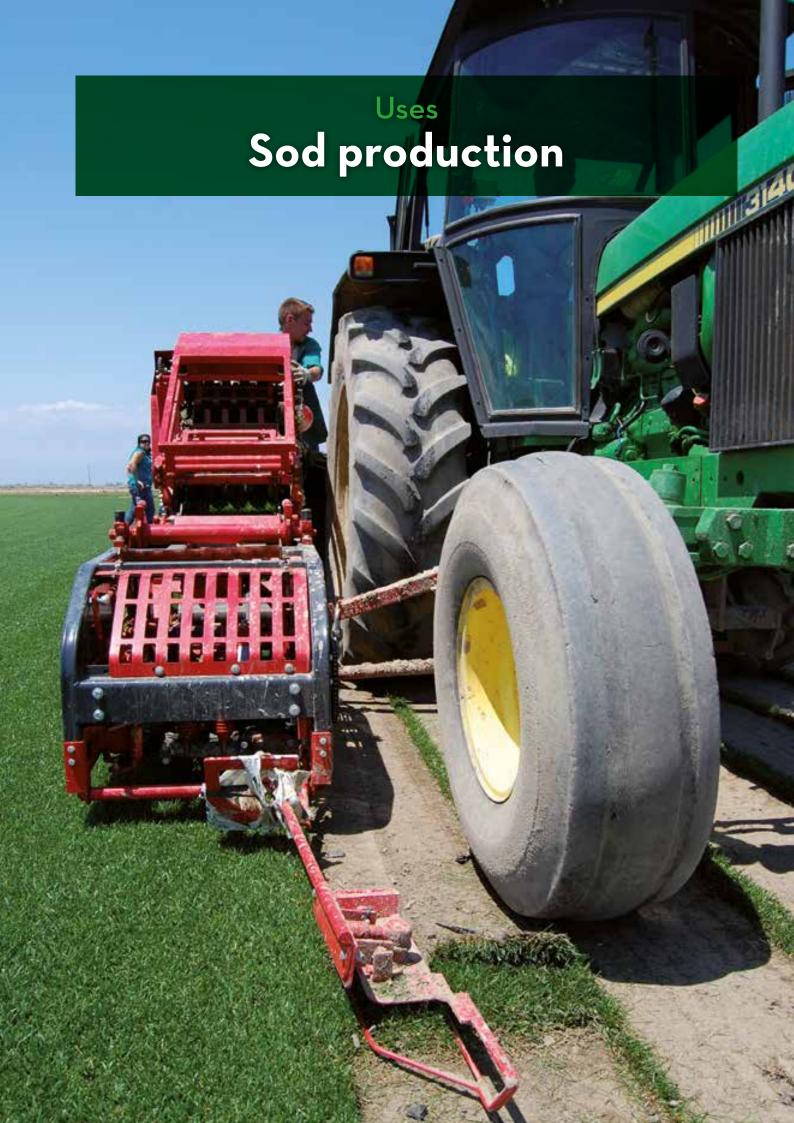
4		USES OCEANIC CLIMATE		
\	GREENS	Agrostis stolonifera 007 DSB, TOUR PRO, T-1, LUMINARY, VALDERRAMA		
		 Agrostis stoloniferα 007 DSB, TOUR PRO, T-1, LUMINARY, VALDERRAMA Mixture CREEPING RYE, REPOBLADOR, SPORT Lolium perenne PROCESS, GREENLAND, RINOVO 		
	TEES, FAIRWAYS	 Mixture CREEPING RYE, ORNAMENTAL, REPOBLADOR, SPORT Agrostis stolonifera 007 DSB, SEASIDE 2, LUMINARY, VALDERRAMA Lolium perenne GREENLAND, RINOVO 		
	ROUGH	Mixture ORNAMENTAL, RESISTENTE, RUSTICO, SPARRING		
	OUT ROUGH	Festuca ovina ABERFLEECE Festuca brevipila SPARTAN 2		



	USES MEDITERRANEAN COAST		
	LOW MAINTENANCE	LOW MAINTENANCE	 Cynodon dactylon GOBI, IBIZA, MEDPRO SLT Pennisetum clandestinum AZ-1 Mixture COSTA
	RESTRICTED WATER	HIGH MAINTENANCE	Paspalum vaginatum PURE DYNASTY Mixture CREEPING RYE, REPOBLADOR Lolium perenne PROCESS, LOVER, ZURICH, RINGLES, RINOVO, SUN, GREENLAND Lolium multiflorum THUNDER
	ACCESS	OVERSEEDING	
		LOW MAINTENANCE	• Mixture RESISTENTE, STRONG, SPARRING
@ /	SUFFICIENT WATER	HIGH MAINTENANCE	Mixture CREEPING RYE, REPOBLADOR, SPORT, SPORT BLUE
	WATER	OVERSEEDING	 Lolium perenne PROCESS, LOVER, ZURICH, RINGLES, RINOVO, SUN, GREENLAND Mixture CREEPING RYE, REPOBLADOR, SPORT, FAST Lolium multiflorum THUNDER

		USES CONTINENTAL CLIMATE		
		LOW MAINTENANCE	Cynodon dactylon GOBI, IBIZA, MEDPRO SLT	
3	RESTRICTED WATER ACCESS	HIGH MAINTENANCE	• Mixture RESISTENTE, SPARRING	
3	ACCESS	OVERSEEDING	Mixture CREEPING RYE, REPOBLADOR, FAST Lolium perenne PROCESS, LOVER, ZURICH, RINGLES, RINOVO, SUN, GREENLAND	
		LOW MAINTENANCE	• Mixture RESISTENTE, STRONG, SPARRING	
AR .	SUFFICIENT WATER	HIGH MAINTENANCE	Mixture CREEPING RYE, REPOBLADOR, SPORT, SPORT BLUE Lolium perenne PROCESS, LOYER, RINGLES, RINOVO, SUN, ZURICH, GREENLAND	
₩		OVERSEEDING	Mixture CREEPING RYE, REPOBLADOR, FAST Lolium perenne PROCESS, LOVER, ZURICH, RINGLES, RINOVO, SUN, GREENLAND	

	USES OCEANIC CLIMATE		
		LOW MAINTENANCE	• Mixture RESISTENTE
Add Sk-	RESTRICTED WATER ACCESS	HIGH MAINTENANCE	Mixture SPARRING Mixture CREEPING RYE, REPOBLADOR, FAST Lolium perenne PROCESS, LOVER, ZURICH, RINGLES, RINOVO, SUN, GREENLAND
	ACCESS	OVERSEEDING	
		LOW MAINTENANCE	· Mixture SPARRING
	SUFFICIENT WATER	HIGH MAINTENANCE	Mixture CREEPING RYE, REPOBLADOR, SPORT
	WATER	OVERSEEDING	Mixture CREEPING RYE, REPOBLADOR, FAST Lolium perenne PROCESS, LOVER, ZURICH, RINGLES, RINOVO, SUN, GREENLAND



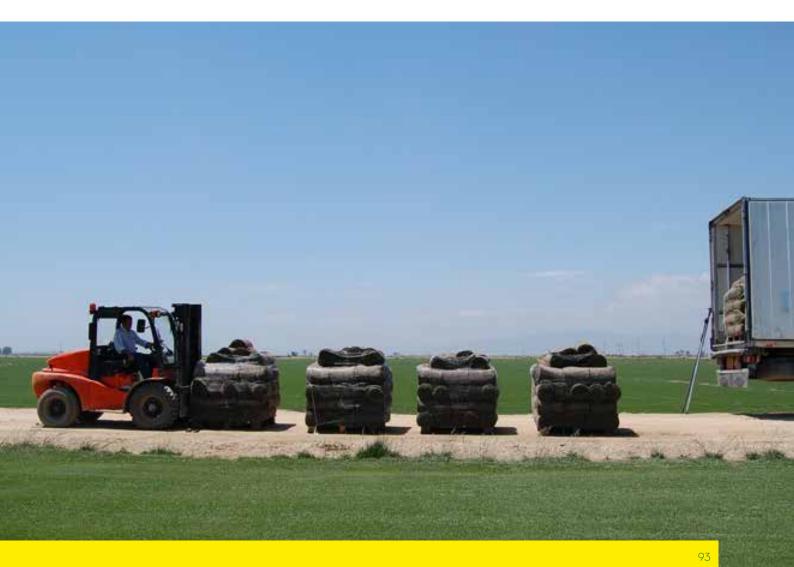
For sod production Semillas Fitó supplies only elite varieties tested many times in a wide range of trails.

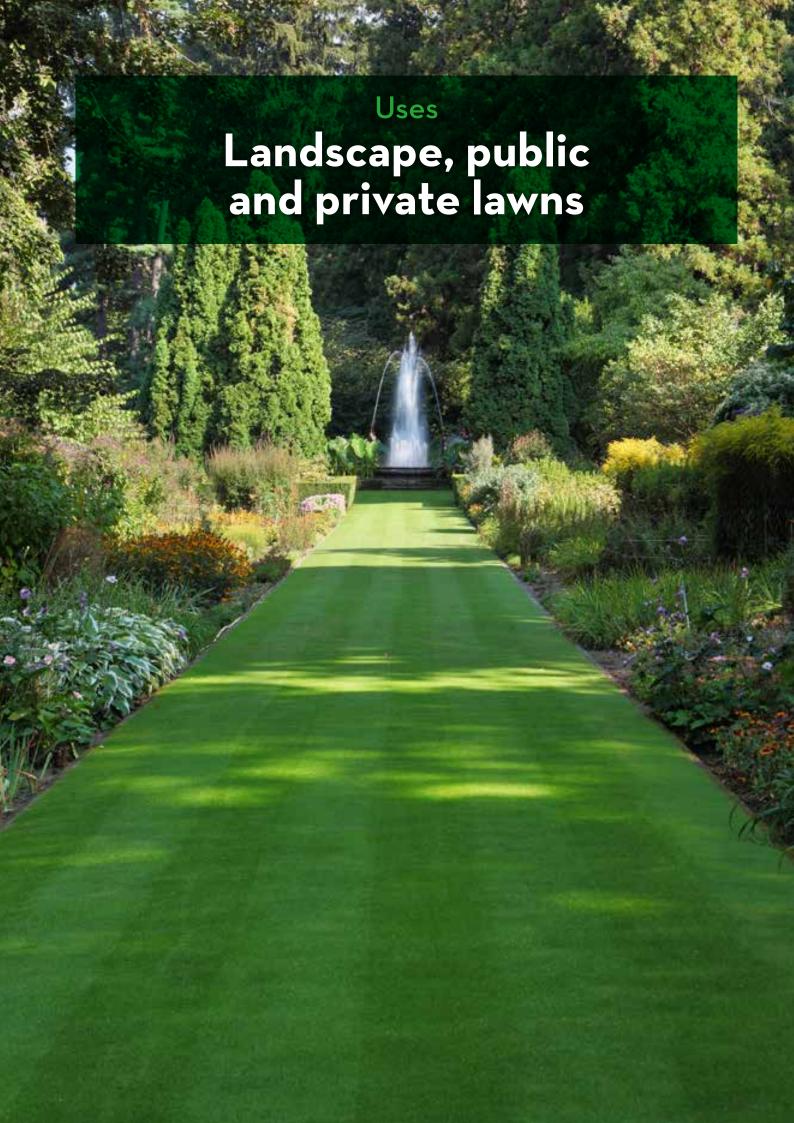
The seed supplied follows exceptional quality controls based on SOD QUALITY criteria.

SOD QUALITY criteria

- Seed lots produced only in specific fields without initial contamination by weeds and under control with SOD QUALITY criteria.
- **2.** Purity test with a minimum of 10 times the size sample: 0% weeds and 0% other seeds.
- **3.** The germination test must be largely above the minimum required for the species.
- **4.** Fluorescence test to visualize any possible contamination of *Lolium multiflorum* (must be 0%).
- 5. Additional genetic controls.

	USES AVA I	LABLE MIXTURES
4	MEDIUM-LEAF TEXTURE (C3)	Mixture SPARRING Mixture RESISTENTE
	FINE-LEAF TEXTURE (C3)	Mixture CREEPING RYE, SPORT, SPORT BLUE, TOUR PRO
1	GREENS (C3)	• Agrostis stolonifera T-1, TOUR PRO, 007DSB
	GRASS FOR AREAS WITH SALT PROBLEMS (C4)	Paspalum vaginatum PURE DYNASTY
	GRASS FOR WATER SAVINGS (C4)	• Zoysia japonica • Bermuda





		USES MEDITERRANEAN COAST	
A	SUN	RESTRICTED WATER ACCESS	Cynodon dactylon GOBI, IBIZA, MEDPRO SLT Pennisetum clandestinum AZ-1 Zoysia Japonica ZENPRO Paspalum vaginatum PURE DYNASTY Mixture COSTA
			Mixture CREEPING RYE, RESISTENTE, RUSTICO, SPORT, SPORT BLUE, SPARRING, STRONG
	SUN/	RESTRICTED WATER ACCESS	• Mixture RESISTENTE, STRONG
	SHADE	SUFFICIENT WATER	• Dichondra

		USES MEDITERRANEAN COAST	
	CUN	RESTRICTED WATER ACCESS	Mixture RESISTENTE, RUSTICO, SPARRING, STRONG Cynodon dactylon IBIZA
	SUN	SUFFICIENT WATER	Mixture CREEPING RYE, ORNAMENTAL, RESISTENTE RUSTICO, SPARRING, SPORT, SPORT BLUE, STRONG
To Make	SUN/	RESTRICTED WATER ACCESS	• Mixture RESISTENTE, STRONG
	SHADE	SUFFICIENT WATER	Mixture SOMBRA Dichondra

		USES OCEANIC CLIMATE	
	RESTRICTED WATER ACCESS	• Mixture RESISTENTE, SPARRING	
	SUN	SUFFICIENT WATER	Mixture CREEPING RYE, ORNAMENTAL, SPARRING, SPORT, STRONG
-11-	SUN/	RESTRICTED WATER ACCESS	Festuca ovina ABERFLEECE Festuca brevipila SPARTAN 2 Mixture RESISTENTE, RUSTICO, SPARRING, STRONG
	SHADE	SUFFICIENT WATER	Dichondra Mixture SOMBRA

4		USES OVERSEEDING	
A	WITHOUT SOIL PREPARATION	Mixture REPOBLADOR, FAST	
1	WITH SOIL PREPARATION	Mixture CREEPING RYE, REPOBLADOR, FAST, LIGHT RYE	





	USES TURFGRASS OPTION	
MEDITERANEAN COASTAL AREAS	Mixture COSTA, RESISTENTE, RUSTICO Cynodon dactylon GOBI, Paspalum notatum PENSACOLA, Pennisetum clandestinum AZ-1, Zoysia japonica ZENPRO	
INTERIOR	Mixture RESISTENTE, RUSTICO Cynodon dactylon GOBI, IBIZA, Zoysia japonica ZENPRO	
OCEANIC CLIMATE	Mixture ORNAMENTAL, SOMBRA Festuca ovina ABERFLEECE, SPARTAN 2	

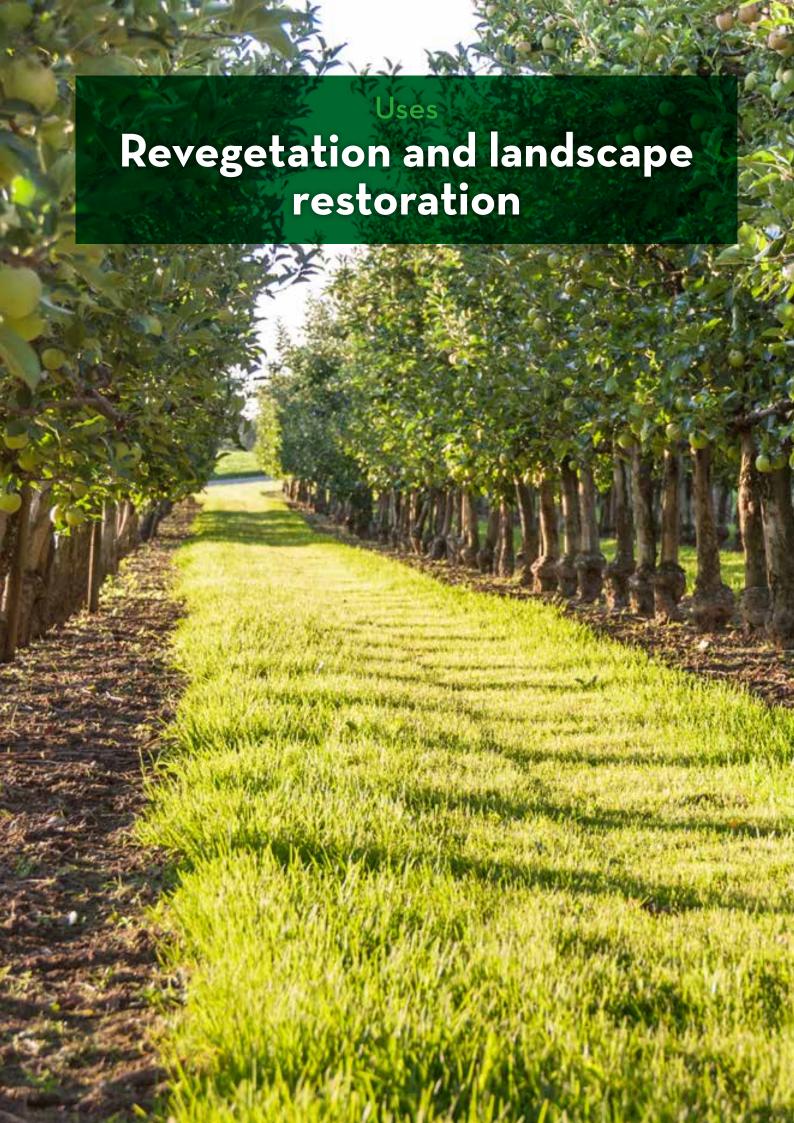
	USES WILD FLOWERS COVER		
	WILD FLOWERS JARDIN FLORIDO	• GENERAL USE	
		JARDIN FLORIDO	• ENANO
Yo Hallo	MEADOW MIXTURE	CESPED FLORIDO	• GENERAL USE
			· ENANO



VEGETATIVE COVER WITH MINIMAL MAINTENANCE

SPARRING NITRO PRADERA NATURAL



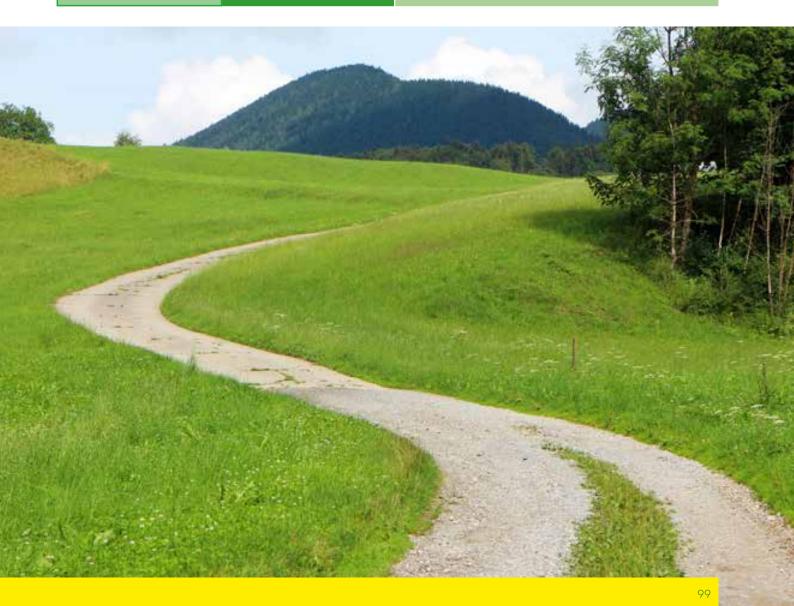




	USES TURFGRASS OPTION	
MED CLIM	ITERRANEAN IATE	• MEDITERRANEAN mixture
CON CLIM	TINENTAL IATE	CONTINENTAL mixture
OCE.	ANIC IATE	OCEANIC mixture
HIGH	I MOUNTAIN	HIGH MONTAIN mixture SKI RESORt mixture



	USES COVER CROPS Vineyards, fruit trees, orchards		
	SEASONAL COVER	• Mixture FAST	
	PERMANENT COVER	Mixture PERMANENT FRESH, PERMANENT WARM, PERMANENT PLUS, PERMANENT GRASS	
	WIND TURBINE AND SOLAR PANEL FARMS	• Mixture NATURAL MEADOW	
	EXTENSIVE FORAGE FARMING, HUNTING	Mixture PERMANENT PLUS, PERMANENT GRASS	
		• Mixture PERMANENT PLUS, PERMANENT GRASS	





Lolium perenne



PATRIARCH

Dual variety for high persistence and reseeding



PLANETARY

Excellent lateral growth. An advancement for sports fields.



SAVANT 2

Greater lateral growth and greater salt tolerance



TREK (4n)

Lolium perennial tetraploid (4n)

Festuca arundinacea



FESPRO

Top NTEP variety with greatest disease resistance.

NOTES













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