



**Pasture
Genetics**
Science based seed®

PRO TURF

At Pasture Genetics we carry a range of quality turf seed.

Our Sod quality seed is the best turf seed available on the Australian market. We are committed to carrying the best possible lines.

Our turf varieties are utilised throughout Australia, across a wide range of environmental conditions - from sporting fields and school ovals, to parks and back yards.

We also carry nine custom Pasture Genetics ready-to-sow turf blends that provide an agronomically accurate blend for high performing turf, based within environmental and managerial constraints. It is important to select the most suitable blend for your needs.

Please review our helpful management advice to assist you in establishing and maintaining your turf for several years.

- BEST MANAGEMENT PRACTICES TO ENSURE TURF SUCCESS -

PREPARING YOUR SOILS

- Plan out your new lawn area at least two months prior to sowing.
- Spray out existing lawn and/or weeds.
- Monitor bare soil for weed regrowth and manage accordingly.
- Mix new top soil into your existing soil to incorporate the two soil types and reduce hard panning.
- You should have approximately 60 to 70 millimetres of mixed top soil to sow your new lawn seed into.
- Level your lawn using a wide rake to reduce depressions and/or high ridges.

WEED CONTROL

- Identify any weeds in the area where the lawn seed is going to be sown.
- Consult your local garden centre or rural supply for the best herbicide to control the weed species in the area.
- Revisit the area after 14 days to assess weed control and look for further weed activity.
- If further weeds are present, reapply herbicide and repeat this process.
- Be aware that some herbicides have plant back restrictions, which may effect the germination of your new lawn.

FUELLING YOUR TURF

- Applying fertiliser to your soils provides seedlings with energy to germinate and grow. This fuel will boost the seeds performance.
- Apply a turf specific, lawn fertiliser to your bare soil and incorporate the fertiliser into your top soil. This can be achieved by further raking and turning the soil.
- Remember to re-level your soils prior to sowing.
- To promote germination and speed of initial growth, apply approximately two kilograms per fifty square metres, of a lawn specific fertiliser using a hand spreader.

SOWING THE SEED

- The general sowing rate for your new turf varieties is four kilograms per 100 square metres.
- Use a hand or small spreader to evenly distribute the seed over the desired area.
- To evenly distribute the seed, walk at 45-degree angle across the area. Then return on the opposite 45-degree angle across the area again. This will provide you with an even cover.
- Once seed is applied, rake the ground very lightly, not pushing too deep as turf seed is very small and you don't want to bury it too deep.
- Use a wide, short fingered rake to maintain evenness.

WATERING

- Watering your newly germinating seed is critical, a light even watering twice a day is ideal.
- Do not allow the soil to dry out.
- Water more often if required.
- A fine even spray is the best.
- Use a hand-held hose at first, while the seed is germinating. Once germinated you can then transition to a fine sprinkler.
- Once your lawn is established, avoid light frequent waterings, a few heavier waterings will better promote root development.

THE FIRST MOW

- Do not cut your lawn to early.
- Twist the grass tuft and pull. If the grass pulls out as a clump, then it is not ready to mow.
- If you twist and pull a tuft of grass without pulling up a clump or the root system, your lawn is ready to mow.
- Allow your lawn to reach at least 60 millimetres in height to allow adequate root development and growth.
- Mow in different directions across your new lawn, this allows the mower to cut evenly.
- Once the lawn is established, you can reduce the height of the mowing deck and cut the lawn lower, ideal mowing height is 25-35 millimetres in height. Some turf varieties require to be mowed lower.

CLIPPING MANAGEMENT

- Ensure you remove most of your grass thatch when mowing. This can be achieved by using a catcher.
- By removing the thatch, you reduce the risk of insect damage and disease. This also allows for improved water infiltration.
- You can spread some clippings from time to time, the preferred timing is during spring or summer, as you have the fastest breakdown time of the organic material.

PEST MANAGEMENT

- Monitor your newly establishing lawn for any obvious signs of pests, these come in different forms; blade chewing bugs, leaf and stem sucking pests, and root eaters.
- If you find more than one pest within a confined area there maybe more, check over a few more areas and try to identify the pest. Turf varieties will show physical stress signs if pests are present.
- Only apply insecticide if the problem is causing damage as insecticides are non-selective, so they can kill beneficial bugs too e.g. worms.
- Once pests have been identified, it is best to visit your local garden centre or rural store to seek advice and obtain the right insecticide.
- Once sprayed, monitor lawn for recovery and if pest damage continues you may be required to apply another application of insecticide.
- Monitor monthly for continual success.

WEED CONTROL IN ESTABLISHED LAWNS

- Weed control may be required twice a year in both autumn and spring.
- Some more heavily infested lawns may require more attention.

- Broadleaf weeds can be removed either by hand or using a herbicide.
- Bindi-eye is best controlled with Bindii Killer, available from your local garden centre or rural store. Other grasses are required to be pulled by hand as there is no herbicide option for them. If prickly seeds are present, hand removal is recommended too reduce regeneration.

TIPS & TRICKS

- Aerating an established lawn not only allows for water infiltration, but allows fertiliser to reach the root zone faster.
- Aerating also allows air to penetrate the soil, promoting organic breakdown.
- Don't cut your lawn too short or unevenly, as this will reduce the life of the lawn.
- Establish a general maintenance programme, including feeding, weeding and insect control, as this will prolong the life of your lawn.
- Water lawn early in the morning or late in the afternoon, avoid watering during the warmest part of the day.
- Mow your lawn once a week to maintain the lawn at the perfect height.



Goldstrike®

At Pasture Genetics we are always looking to new technology - constantly striving to improve our offering - bringing the latest technology, with even better performance to our leading forage products.

Goldstrike® includes rhizobia inoculation, micronutrient package and Apron® XL fungicide (where available on label). Goldstrike® is comprised of the highest quality seed and coating technology, and is the best establishment package for pasture legumes.

- PRO TURF BLENDS -

PRO SPORTSFIELD BLEND

Sod Quality Avenger Tall Fescue	50%
Grandslam 2 Ryegrass	27%
Creeping Red Fine Fescue	15%
USA Fancy - Unhulled Couch	8%
SOWING RATE	4kg/100m²
Optimum mowing height	20 - 40mm

This premium quality blend has been designed especially for use on sports fields, where fast establishment and a self-repairing nature is required. With a high percentage of couch grass included it can maintain a full turf cover throughout all seasons. Ideal for new ovals or as an oversow to improve turf density. Used extensively on public ovals and professional playing surfaces.

PRO HARDWEARING BLEND

Sod Quality Avenger Tall Fescue	60%
Grandslam 2 Ryegrass	32%
Kentucky Bluegrass	5%
USA Fancy - Unhulled Couch	3%
SOWING RATE	4kg/100m²
Optimum mowing height	30 - 60mm

This blend has an attractive nature. It can be planted in most areas. It has self-repairing characteristics, with couch grass being added to give the ability to run into high wear areas. A very high quality finish is achieved with basic turf maintenance.

PRO ROYAL BLEND

Grandslam 2 Ryegrass	80%
Creeping Red Fine Fescue	15%
Kentucky Bluegrass	5%
SOWING RATE	4kg/100m²
Optimum mowing height	20 - 60mm

A top of the range turf blend designed for showcase areas that require a premium turf finish. Our Pro Royal blend has been selected to contain turf species that offer a soft, lush cover with fast establishing features. Ideally placed into either full sun or semi-shade areas that have low to medium traffic requirements.

PRO PARKS BLEND WITH 5% KIKUYU

Sod Quality Avenger Tall Fescue	50%
Grandslam 2 Ryegrass	35%
Creeping Red Fine Fescue	10%
Whittet Kikuyu	5%
SOWING RATE	4kg/100m²
Optimum mowing height	30 - 60mm

This blend of grasses and kikuyu allows for a self-repairing nature. Parks blend is traditionally used in areas that have high traffic wear and are required to be hardy, such as high density housing areas, schools, public grounds and community areas.

PRO PARKS BLEND WITH 10% KIKUYU

Sod Quality Avenger Tall Fescue	50%
Grandslam 2 Ryegrass	35%
Whittet Kikuyu	10%
Creeping Red Fine Fescue	5%
SOWING RATE	4kg/100m²
Optimum mowing height	30 - 60mm

This blend of grasses and kikuyu allows for a self-repairing nature. Parks blend is traditionally used in areas that have high traffic wear and are required to be hardy, such as high density housing areas, schools, public grounds and community areas.

PRO WICKET & TENNIS BLEND

Grandslam 2 Ryegrass	95%
USA Fancy - Unhulled Couch	5%
SOWING RATE	4kg/100m²
Optimum mowing height	10 - 20mm

This specific blend has been utilised in tennis and cricket wicket areas. The fast establishing Grandslam 2 Ryegrass gives the ability to stabilise these areas as the couch grass establishes over the spring summer periods.

PRO RACECOURSE BLEND

Valley Perennial Ryegrass	50%
Shootout Perennial Ryegrass	50%
SOWING RATE	4kg/100m²
Optimum mowing height	30 - 60mm

This blend creates a very even racing surface with excellent cushioning characteristics for optimum racing performance of both track and horses.

PRO SHADY BLEND

Grandslam 2 Ryegrass	30%
Kentucky Bluegrass	30%
Creeping Red Fine Fescue	32%
Dichondra Repens	8%
SOWING RATE	4kg/100m²
Optimum mowing height	40mm+

Combines the latest, most shade tolerant grasses to cope with the unique conditions experienced where impaired light affects turf quality. Dichondra Repens is included which will run and fill gaps; will also persist where it is too dark for other grasses to survive.

PRO ROADSIDE BLEND (DRYLAND COVER MIX)

Drylander Ryegrass	35%
Origin Tall fescue	30%
USA Fancy - Unhulled Couch	15%
Wimmera Ryegrass	10%
Medic	G 5%
Sub Clover	G 5%
SOWING RATE	1.5kg/100m²
Optimum mowing height	50mm+

Quick cover, drought tolerant and will tolerate poor soil conditions whilst exhibiting less vertical growth due to a more prostrate growth habit. Ability to self-seed and regenerate. Suitable for roadsides, quarries and landfill. Low maintenance blend.



- PRO TURF VARIETIES -

SOD QUALITY AVENGER TALL FESCUE

Sod Quality Avenger Tall Fescue is a vigorous variety that quickly covers to form a dense, compact stand that endures through active use, as well as the heat and drought pressures of summer. Sod Quality Avenger Tall Fescue is a versatile, sturdy, turf ideally suited for Sod production, home lawns, athletic fields, parks and golf courses. It has a low to medium nitrogen requirement with its moderate growth habit. Sod Quality Avenger Tall Fescue thrives with a three to four centimetre cut. It requires significantly less water than perennial ryegrass and bluegrass to maintain a lush, green, vigorous stand.

GRANDSLAM 2 RYEGRASS

Grandslam 2 Ryegrass is finer textured with a rich dark colour that extends throughout the season. Its growth profile is more compact and aggressive tillering enables Grandslam 2 Ryegrass to maintain its density and appearance under conditions that weaken and disfigure other grasses. It is recommended for use in lawns, golf courses, parklands and sports fields.

CREEPING RED FINE FESCUE

Creeping Red Fine Fescue is often used in conjunction with other wear-resistant species such as ryegrass and tall fescues. It is commonly used in golf tees and fairways, where extensive short-term damage can occur. Creeping Red Fine Fescue is a hardy, low maintenance grass that exhibits good shade tolerance.

USA FANCY - UNHULLED COUCH

Couch grasses are predominately spring/summer active and become dormant over the winter period. They are predominately used on cricket pitches or tennis courts where low-cutting properties are required. They exhibit very good creeping traits that allow them to be utilised in ryegrass or tall fescue based lawns. This trait allows them to become the repairer of damaged areas to retain ground cover and knit the playing surface of sports fields to ensure optimum sports ground performance.

SOD QUALITY CORSAIR BLUEGRASS

Sod Quality Corsair Bluegrass has a mid to dark green colour, good wear resistance and moderately fine leaf structure. This gives a high quality, dense, fine appearance to turf areas. It is upright in growth habit and spreads with a creeping habit from underground rhizomes, this results in a turf that is able to persist and repair itself.

PENN G-6 BENTGRASS

Penn G-6 Bentgrass was selected from climates in the Southern USA, where it is hot and humid. Penn G-6 Bentgrass has an excellent disease resistance, fine texture and density with an upright growth habit for a near perfect playing surface. Bentgrass is summer active and exhibits a very fine leaf characteristic. Traditionally used for bowling greens and putting surfaces.

WHITTET KIKUYU

Couch grasses are predominately spring/summer active and become dormant over the winter period. They are predominately used on cricket pitches or tennis courts where low cutting properties are required. They exhibit very good creeping traits that allow them to be utilised in ryegrass or tall fescue based lawns. This trait allows them to become the repairer of damaged areas to retain ground cover and knit the playing surface of sports fields, to ensure optimum sports ground performance.

DICHONDRA REPENS

Dichondra Repens has a mid to dark green colour, good wear resistance and a moderately fine leaf structure. This gives a high quality, dense, fine appearance to turf areas. It is upright in growth habit and spreads with a creeping habit from underground rhizomes, this results in a turf that is able to persist and repair itself.

TURF FERTILISER APPLICATION RATE

70 grams per square metre

(General application rate of usage for products such as 8:4:8)



- PRO TURF -

VARIETY	TYPE	APPROXIMATE SEEDS/KG	SEEDING RATE (KG/100M ²)
*Sod Quality Avenger	Tall Fescue	456,000	4.0 - 5.0 kg / 100 sqm ²
*Drylander	Ryegrass	640,000	3.5 kg / 100 sqm ²
*Grandslam 2	Ryegrass	640,000	3.5 kg / 100 sqm ²
Creeping Red	Fine Fescue	900,000	3 kg / 100 sqm ²
USA Fancy - Unhulled	Couch	3,900,000	1.2 kg / 100 sqm ²
USA Fancy - Hulled	Couch	4,300,000	0.8 kg / 100 sqm ²
*Sod Quality Corsair	Bluegrass	5,510,000	2.0 kg / 100 sqm ²
Penn G-6	Bentgrass	13,500,000	0.5 - 1.0 kg / 100 sqm ²
Whittet	Kikuyu	339,000	1.0 - 1.6 kg / 100 sqm ²
Dichondra Repens	Dichondra Repens	551,000	1.0 kg / 100 sqm ²

BLEND	TYPE	OPTIMUM MOWING HEIGHT	SEEDING RATE (KG/100M ²)
Pro Sportsfield Blend	Sod Quality Avenger Tall Fescue 50% Grandslam 2 Ryegrass 27% Creeping Red Fine Fescue 15% USA Fancy - Unhulled Couch 8%	20 - 40mm	4 kg / 100 sqm ²
Pro Hardwearing Blend	Sod Quality Avenger Tall Fescue 60% Grandslam 2 Ryegrass 32% Kentucky Bluegrass 5% USA Fancy - Unhulled Couch 3%	30 - 60mm	4 kg / 100 sqm ²
Pro Royal Blend	Grandslam 2 Ryegrass 80% Creeping Red Fine Fescue 15% Kentucky Bluegrass 5%	20 - 60mm	4 kg / 100 sqm ²
Pro Parks Blend with 5% Kikuyu	Sod Quality Avenger Tall Fescue 50% Grandslam 2 Ryegrass 35% Creeping Red Fine Fescue 10% Whittet Kikuyu 5%	30 - 60mm	4 kg / 100 sqm ²
Pro Parks Blend with 10% Kikuyu	Sod Quality Avenger Tall Fescue 50% Grandslam 2 Ryegrass 30% Creeping Red Fine Fescue 10% Whittet Kikuyu 10%	30 - 60mm	4 kg / 100 sqm ²
Pro Wicket & Tennis Blend	Grandslam 2 Ryegrass 95% USA Fancy - Unhulled Couch 5%	10 - 20mm	4 kg / 100 sqm ²
Pro Racecourse Blend	Valley Perennial Ryegrass 50% Shootout Perennial Ryegrass 50%	50mm+	4 kg / 100 sqm ²
Pro Shady Blend	Grandslam 2 Ryegrass 30% Kentucky Bluegrass 30% Creeping Red Fine Fescue 32% Dichondra Repens 8%	40mm+	4 kg / 100 sqm ²
Pro Roadside Blend (Dryland Cover Mix)	Drylander Ryegrass 35% Origin Tall Fescue 30% USA Fancy - Unhulled Couch 15% Wimmera Ryegrass 10% Goldstrike Medic 5% Goldstrike Sub Clover 5%	50mm+	1.5 kg / 100 sqm ²

*Indicates Pasture Genetics proprietary seed variety

- PRO TURF COMPARISON TABLE -

SPECIES	CREEPING BENTGRASS <i>AGROSTIS STOLONIFERA</i>	KENTUCKY BLUEGRASS <i>POA PRATENSIS</i>	PERENNIAL RYEGRASS <i>LOLIUM PERENNE</i>	CREEPING RED FINE FESCUE <i>FESTUCA RUBRA RUBRA</i>	TALL FESCUE <i>FESTUCA ARUNDINACEA</i>	COUCHGRASS <i>CYNODON DACTYLON</i>
Establishment Rate (days)	Medium 14 - 21	Slow 21 - 28	Fast 7 - 10	Medium 19 - 21	Medium 14 - 21	Fast 10 - 14
LHC Tolerance/ Preferred Height (mm)	Very Low 3 - 10	Fair 20 - 35	Good 15 - 25	Fair - Good 10 - 20	Poor 25 - 45	Very Good 8 - 15
Traffic Tolerance	Good	Good	Very Good	Fair - Good	Very Good	Excellent
Thatch Production	High	Med - High	Low - Med	Medium	Low - Med	High
N Requirement	Low - Med	Medium	Med - High	Low	Medium	High
Shade Tolerance	Fair	Poor - Fair	Fair - Good	Very Good	Very Good	Poor
Cold Tolerance	Good	Very Good	Fair - Good	Very Good	Very Good	Very Poor
Drought Tolerance	Poor - Fair	Good	Fair	Good	Excellent	Excellent
Evapotranspiration (mm/day)	High >10	Medium 7 - 8	High 9 - 10	Medium 7 - 8	Very High >10	Low 6 - 7
Endophyte Status	No	No	Yes	No	Yes	No
Salinity Tolerance (mmhos)	Good 15	Poor <3	Good 11	Good 14	Good 11	Excellent 28

- FOR FURTHER TECHNICAL INFORMATION -

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TERRITORY MANAGER - YORKE PENINSULA, RIVERLAND SA & MALLEE VIC	James Cook	0430 353 006
TERRITORY MANAGER - FLEURIEU PENINSULA, EYRE PENINSULA, MID NORTH SA & WA	Rehn Freebairn	0447 711 905

PASTURE GENETICS WAREHOUSE DEPOTS ARE LOCATED IN:

Toowoomba, Brisbane, Tamworth, Dubbo, Wagga Wagga, Nowra, Canberra, Tatura, Warragul, Ballarat, Launceston, Adelaide and Perth.



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