

NEW!

VicSeeds
Avalon
AR1



**Persistent
Perennial Ryegrass**



**"Grown by Australians,
for Australians"**

Vicseeds is proud to announce the release of Avalon AR1, the first Australian bred perennial ryegrass inoculated with the animal safe AR1 endophyte.

The original Avalon was bred by the Victorian DPI to be a persistent and highly winter productive Australian bred perennial ryegrass. It is well known and respected by many farmers for that reason.

Avalon AR1 is now available, so for the first time farmers will have the option of sowing a perennial ryegrass that offers the persistence and dependability expected from an Australian bred variety, as well as the animal safety, reduced stock management issues and economic benefits provided by the 'risk free' AR1 endophyte. Handling stock whether it is dairy cows, beef cattle or sheep that have ryegrass staggers is hard work and causes all sorts of onerous management dilemmas. Stock that graze Vicseeds Avalon AR1 perennial ryegrass **will not** develop ryegrass staggers or any other animal health issues that can be associated with grazing other toxic ryegrass pastures.

Vicseeds Avalon AR1 is highly suited to all animal grazing operations where ryegrass staggers and animal overheating or ill-thrift is an issue. It is a highly winter productive ryegrass that responds quickly to opening autumn rain and persists. It was bred and developed in Australia, and is grown by Australian farmers for Australian farmers.

In summary, Avalon AR1 is safe for stock to graze, reduces the workload for the farmer and maximizes profits through no loss of production. The Australian breeding ensures Avalon AR1 has the pedigree to persist. About Endophyte



Seed produced by Australian farmers.

About Endophyte

Ryegrass endophyte is a fungus which lives in the ryegrass plant and produces three main toxins that help the plant ward off insect attack and hence assists with persistence. However, two of these toxins (Lolitrems B and Ergovaline) can cause the detrimental, laborious and costly issues of ryegrass staggers, animal overheating and ill-thrift. The other, Peramine has no such troublesome effects.

The AR1 endophyte in Vicseeds Avalon AR1 only produces Peramine, so you still get the benefit of insect repellence with the comfort in knowing grazing stock will be unaffected and remain healthy.

Endophyte	Peramine	Lolitrems B	Ergovaline
Wild Type	High - repels insects - no negative effects	High - causes staggers	High - causes overheating
AR1	High - repels insects - no negative effects	Nil - no negative effects	Nil - no negative effects

“Risk free and dependable”



About The Grass

Vicseeds Avalon AR1 was bred at the DPI Hamilton, Victoria, for Australian conditions.

It is persistent and dependable, i.e. it survives the late summer drought by going dormant over that period.

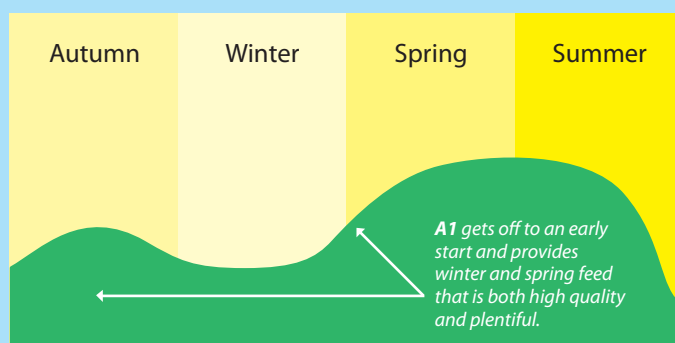
It recovers and grows very quickly after the opening autumn rains.

It has good rust resistance.

It has excellent winter and spring production to fill the winter feed gap, with high overall production.

With AR1 inoculation Avalon AR1 perennial ryegrass is safe for animals and is risk free.

Seasonal Growth Curve



Animal Benefits

Grazing Vicseeds Avalon AR1 will not cause:

- Ryegrass staggers - this can be distressful for both the animal and the farmer.
- Animal heat stress - stock will not seek out and muddy dams trying to keep cool.
- Scouring and associated fly strike.
- Overall ill thrift in stock - so stock will be generally more healthy and productive.

Farmer Benefits

The irritating issues that farmers **will not** have to deal with when stock graze Avalon AR1 pastures are:

- herding stock that have ryegrass staggers - they are much easier to handle and move
- removing any sheep or cattle from dams
- dealing with issues associated with scours and fly strike attributed to wild type endophyte
- the danger of cattle that have ryegrass staggers posing a risk to their handlers

Economic Benefits

Grazing Avalon AR1 pasture ensures that there will be:

- no reduction in weight loss gain due to endophyte toxins
- no reduction in milk production
- no negative effect on the timing of joining animals
- no reduction in animal fertility and reproduction
- no reduction in lambing percentage

Establishment Guide

Avalon AR1 is suited for use in all grazing animal enterprises where ryegrass staggers or wild type endophyte is an issue, and where ryegrass persistence is required.

To ensure you get the optimum benefits of sowing Avalon AR1 into your new pasture you need to follow a few simple steps:

1. Remove established ryegrass plants

This can be done by either a spray out in previous spring followed by a summer crop and autumn spray and then sow OR 'spraytop' in the previous spring to reduce seed production, graze hard over summer and then spray in autumn after a good germination of existing plants and weeds, then sow.

2. Sowing

When sowing Avalon AR1 alone sow at 15-20 kg/ha, and sow with the clovers of your choice.

If you mix Avalon AR1 with another ryegrass ensure it is also safe for animal grazing, such as AusVic low endophyte perennial ryegrass.



VicSeeds Avalon AR1

www.vicseeds.com.au



DISTRIBUTORS

AUSWEST SEEDS - Forbes, NSW. Phone: 02 68521500

STEPHEN PASTURE SEEDS - Ballarat, Vic. Phone: 03 53358055

SMYTH SEEDS - Benalla, Vic. Phone: 03 57625288

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