

Ceres **one50**
perennial ryegrass



**SELECTED FOR
AND PROVEN IN
AUSTRALIAN
CONDITIONS**

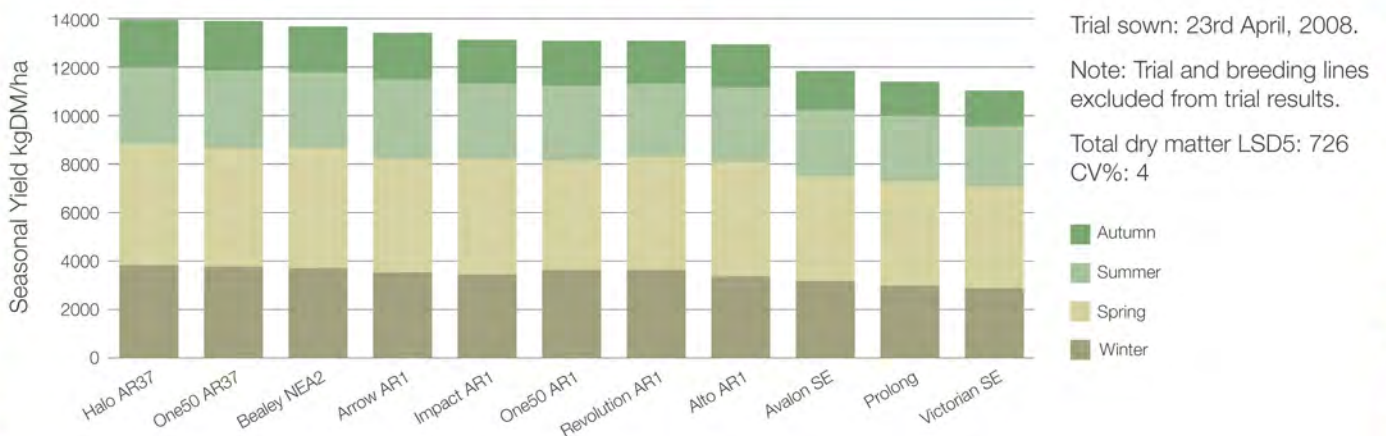
AGRICOM
Pastures for Profit®

ONE50 OFFERS FARMERS RELIABILITY, DEPENDABILITY AND VALUABLE QUALITY FEED WHEN NEEDED

One50 is a late-heading perennial ryegrass selected for Australian conditions. It has outstanding dry matter production and excellent persistence and recovery from grazing. One50 is best suited to fertile environments where its yield potential can best be realised.

- Late heading, highly productive diploid perennial ryegrass with excellent high quality late feed making it ideal for grazing, silage and hay.
- Outstanding summer, autumn and winter production provides reliable year round feed.
- High rust tolerance ensures productive quality pastures suitable for grazing and fodder conservation.
- Available with AR37 novel endophyte for persistence and production benefits allowing for longer intervals between pasture renewal

2008 - 2012 Seasonal Dry Matter Production of Perennial Ryegrasses, Ballarat, Victoria



One50 is ideal for producing high quality feed for silage and hay in difficult spring environments. Because of One50's late-heading date it maintains vegetative leaf production into late-spring and early-summer, making pasture management easier. This contrasts with most early to mid-heading ryegrasses which require good grazing management to control seed head production through this period.



Ploidy:	Diploid
Heading date:	Late (+21)
Rust tolerance	High
Endophyte options:	AR1, AR37* and standard endophyte <i>*One50 with AR37 endophyte may cause ryegrass staggers. For further information on AR37, including animal health and production information visit agricom.com.au</i>
Sowing rate:	18-20 kg/ha with clovers and herbs
When to sow:	Autumn and spring
Prime growing times:	Summer, autumn and winter
Best grazing practice:	Rotational grazing



Greg Mitchell (Pasture Agronomist with FP-AG) included One50 with AR37 endophyte in a pasture variety grazing trial sown at Parawa (on the Fleurieu Peninsula SA) in September 2011. Three other common perennial ryegrasses were also included, and all ryegrasses had to contend with infestations of African black beetle and blackheaded pasture cockchafer through the following autumn. Greg observed that the One50 AR37 regenerated more densely and grew more strongly through winter 2012 than other ryegrasses, with local dairy farmers observing the same benefit at the end of winter.

'We are thinking that the One50 AR37 may have better resisted attack from the black beetle and we will be monitoring production and persistence of the various grasses here in the future' Greg said.

ONE50 WITH AR37 PROVING TO BE A TOP PERFORMER IN THE VAT

Kerri Ross has found One50 perennial ryegrass with AR37 endophyte to be the best fit for their dairy operation at Bald Hills, just north of Ballarat. Animal health and productivity is a key driver on the farm and continual problems with heat stress attracted the Rosses to One50 perennial ryegrass with the AR37 endophyte. "We didn't realise until we went to a field day the effect that the standard endophyte in Vic rye could have on milk production and impact on our cows. As we hadn't been doing a lot of pasture renewal with new cultivars we went home and did some thinking and thought AR37 was worth a trial".

"While we were concerned about the profitability to begin with, the proof is right there in the vat and the One50 AR37 seed has paid for itself in terms of production and animal health benefits."

With no irrigation on the property the Ross's are reliant on summer rainfall, with Kerri commenting that "it wasn't a typical year for rain with 4 ½ inches of the farms 25 inch annual rainfall coming in under an hour." This moisture held relatively well in the property's clay to light red soils setting the farm up for early summer growth.

"We looked at a few options but One50 perennial ryegrass with AR37 was the best fit for us. We normally just resowed with Vic Rye and annuals especially after the 2006 drought but after our 35 acre trial split into two paddocks it convinced us about the One50 AR37. The results speak for themselves - within two days of the cows grazing the new One50 AR37 pasture we noticed a 2 litre increase per cow per day in the vat compared to Vic rye and clover pastures. We also noticed the milk fat percentage rise from 3.9% to 4.1% and the protein levels also rose from 3% to 3.2%. The milk yield increased straight away and the protein and fat gradually increased over the first 2 weeks of grazing the new pasture," commented Kerri.

"Those results were from one grazing per day so we are excited about what 2 grazings per day could deliver. We also noticed the cows did a great job eating the grass down; it just seemed to be more palatable. We had been having problems maximising grazing utilisation but have kicked massive goals improving pasture utilisation with the One50 AR37. We also found that with the early rain the One50 AR37 took off before the others so we were able to graze these paddocks first. As far as the temperament of the cows, they have improved no end. We have always had massive herd health affects in the cows, a few strange illnesses and heat stress on the Vic rye but we saw initial improvements from the first grazing on the One50 AR37. The cows were out grazing longer – they didn't seem to be so hot and bothered. We have also noticed a difference in the shed, the cows always seemed to be a bit on edge. After a few weeks of grazing the One50 AR37 we have found them to be a lot calmer. As a result we have also been able to reduce their dose of magnesium." Kerri commented that the cost of the pasture renewal was initially off-putting, "While we were concerned about the profitability to begin with, the proof is right there in the vat and the seed has paid for itself in terms of production and animal health benefits. We are going to sow another 42 hectares, with the long term plan to use One50 AR37 across the entire milking platform but it is all about getting the pastures ready first to maximise the results."



Kerri Ross in One50 pastures with AR37 endophyte

One50 perennial ryegrass is available from all quality seed suppliers and is proudly distributed by...

AusWest Seeds NSW & QLD 1800 224 987	Stephen Pasture Seeds VIC & SA 03 5335 8055	Smyth Seeds VIC & STHN NSW 03 5762 5288	Roberts Ltd. TAS 03 6393 6060	Irwin Hunter & Co WA 08 9383 4708
For further information and advice contact one of our territory managers or visit our website www.agricom.com.au				
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