

Ploidy

Diploid

Sowing Rate (kg/ha)

18 - 20

Heading Date

Late (+19)

Endophyte

LE

Available
Now



AberMagic LE

“Raising the bar - for increased animal production and persistence”

- Cattle and sheep are poor converters of grass protein into milk and meat. When grazing a standard ryegrass, livestock utilise only about 20% of protein from the forage for production – and the rest is degraded to rumen ammonia and wasted in faeces and urine. This is not only financially costly, but also detrimental to the environment.
- Germinal Seeds High Sugar Grasses (HSG's) have been bred to contain higher levels of water-soluble carbohydrates (WSC) which provide extra energy to microbes in the animals' rumen allowing the animal to digest and utilise more of the protein from forage for increased milk production and live weight gain.
- **AberMagic HSG** is the next generation of diploid perennial ryegrass from the Institute of Grassland and Environmental Research (IGER) breeding programme. It has been bred to raise the bar again for Energy – Protein Ratio (refer Table 1) allowing increased digestibility and higher dry matter intakes – key for animal performance.
- **AberMagic HSG** offers all the traditional yardsticks such as yield, persistence and disease resistance (refer Tables below) but more importantly offers Australian farmers the highest feed quality available from a diploid perennial ryegrass.

Table 1. Energy/wsc – protein ratio (g/kg) IGER 2001 – 2004:

Mean of 7 measurements per annum over 3 years

	WSC	Protein
AberMagic HSG	270	161
AberStar	246	171
AberDart	232	174
IGER Control	210	187

Table 2. Dry matter yield Palmerston North 2003 – 2006

Cutting trial: All measurements and management by AgResearch

	Winter	Spring	Summer	Autumn	Total for Year	Rust Score (0=Nil, 5=Severe)
AberMagic HSG	108	115	110	107	111	1.8
AberAvon	109	111	109	118	112	4.0
Bronsyn + Impact	100	100	100	100	100	3.75
Mean DM kg	1,968	3,896	4,026	3,174	13,603	

Table 3. Dry matter yield Gore 2003 – 2006

Cutting trial: All measurements and management by AgResearch

	Winter	Spring	Summer	Autumn	Total for Year
AberMagic HSG	121	99	102	101	102
AberAvon	110	99	98	95	98
Bronsyn + Impact	100	100	100	100	100
Mean DM kg	952	3,974	4,425	3,588	12,938