



HORIZON tetraploid long rotation ryegrass

The complete package for quality production



HORIZON gives farming systems the opportunity to improve the quality of feed for grazing and supplementation. Compared to traditional diploid perennial ryegrasses HORIZON competes favourably for production and persistence, with significant advantages in quality and animal intake, from its' tetraploid feature.

Successful combination of ME and yield - a dryland dairy demonstration

Dry matter production is recognised as a good indicator of a pasture variety's potential. However, combining this with seasonal changes in metabolisable energy (ME), provides farmers with a more reliable predictor of the potential animal performance per hectare from the pasture. A comprehensive demonstration to measure both parameters was established at Terang DemoDAIRY(refer below for details). Horizon was the most productive yielder of the tetraploids, with a strong spread of growth over all seasons. Horizon held its quality through the entire spring period and into the summer. This is especially impressive for a mid season flowering ryegrass.

Horizon's peak of growth, and the maintenance of a high ME rating, through spring and into summer is invaluable for high performance farming systems.

Dryland dairy demonstration:

Site specifics: DemoDAIRY, Terang, SW Victoria. Unirrigated summer dry. Winter dominant rainfall (800mm),

Trial: Sown autumn 2000. Dry matter yields and ME values were measured. Winter and spring are averaged from 4 years data, summer and autumn are averaged from 3 years data (data collection still occurring at time of printing).

Recorded values can be combined to provide an estimated available ME per hectare value.



Ploidy
Tetraploid

Sowing rate
(per ha)
25-30kg

Heading time
Mid

Endophyte
Low, High

Management
Rotational

section
2

Cultivar	Winter	Spring	Summer	Autumn	Annual total
Tetraploids					
HORIZON	2533	5635	1917	353	10438
Nevis	2643	4835	1803	180	9461
Quartet	2258	3305	2070	230	7863
Diploids					
Avalon	2950	5495	2510	503	11458
Vedette	2810	5375	2460	440	11085
Kingston	2725	5258	2213	463	10659
Bronsyn	2640	5108	2133	543	10424
Impact	2945	4593	2090	617	10244
Victorian rye	2418	5033	2047	410	9907
Banks	2568	5013	1917	323	9820
Aries	2590	5065	1677	357	9688
Average yield (kgDM/ha)	2643	4974	2076	402	10405

Seasonal dry matter production of different perennial and long rotation ryegrasses (kgDM/ha), demonstration over 3 years, DemoDAIRY, Terang, SW Victoria.

Cultivar	Winter	Spring	Summer	Autumn	Average
Tetraploids					
HORIZON	12.0	11.4	10.3	9.5	11.2
Quartet	11.8	11.4	10.0	9.9	11.2
Nevis	12.0	11.1	9.5	9.9	11.1
Diploids					
Aries	11.9	11.3	10.2	10.2	11.2
Impact	11.7	11.4	9.9	9.7	11.1
Victorian rye	11.8	10.9	9.3	9.2	10.9
Banks	11.9	10.9	9.4	10.1	10.9
Bronsyn	11.6	11.0	9.7	10.2	10.9
Kingston	11.7	10.9	9.3	9.3	10.8
Vedette	11.6	10.9	9.5	9.4	10.8
Avalon	11.4	10.9	9.6	9.6	10.8
No. of samples	7	16	4	2	29

Seasonal metabolisable energy values of different perennial and long rotation ryegrasses (MJ/kgDM), demonstration over 3 years, DemoDAIRY, Terang, SW Victoria.

Recommended pasture mixes:

Milking platform - HORIZON, CANNON, PRESTIGE, WILL

High performance general purpose - CANNON, HORIZON, VIKING, PRESTIGE, WILL, COLENSO, TONIC

Supplementary - HORIZON, WILL, PRESTIGE, COLENSO, TONIC



Long rotation ryegrass

Tetraploid quality

Winter and spring production

Clover & herb compatible

Persistent in appropriate environment