

“The ultimate mixing grass for silage or perennial pasture”

- High winter and early spring growth
- Late flowering
- Has the hybrid advantage giving improved animal performance
- High persistence compared to other hybrids
- Available in AR1, standard and low endophyte options

PLOIDY	ENDOPHYTES	SUGGESTED SOWING RATE (kg/ha)	HEADING DATE	RUST TOLERANCE
Tetraploid	AR1 or LE	18-20	Late (+15)	Moderate

Background

Supreme^{PLUS} is a diploid long rotation hybrid ryegrass with a parentage that is three quarters perennial and one quarter Italian. The focus of the breeding program carried out by Grasslands at Gore, was for a hybrid that had both persistence and quality, but also high late winter and early spring production.

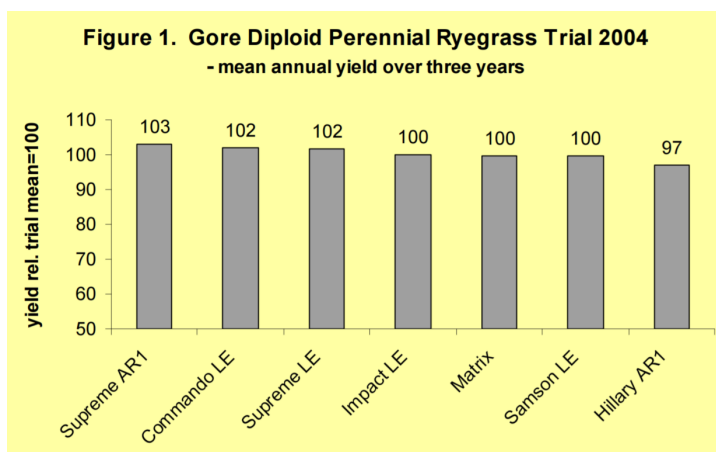
Supreme^{PLUS} has a high tiller density to better survive in pugged or heavily grazed conditions. critical early lambing and calving period.

Production data

The following trial results show **Supreme^{PLUS}** is able to produce high amounts of Dry Matter with significantly more winter production than Aries and Bronsyn.

Supreme^{PLUS} has high palatability seen by most long rotation ryegrasses when compared to traditional perennial ryegrasses. This and its heading date of +14 days makes **Supreme^{PLUS}** an essential component of all high production pasture mixes. **Supreme^{PLUS}** has shown surprising persistence for a hybrid. In some long-term Southland trials, **Supreme^{PLUS}** has persisted just as well as perennial controls.

ENTRY	AUTUMN	WINTER	SPRING	SUMMER	TOTAL
SUPREME ^{PLUS} LE	104	114	107	104	106
Cannon LE	105	103	107	106	106
Arrow LE	109	105	103	107	106
NUI LE	100	96	102	94	98
Aries HD LE	97	84	94	95	94
Trial Mean (kgDM/ha)	2864	1146	4424	4167	12601



Appropriate Management of Hybrid Ryegrass

To maximise the production of **Supreme^{PLUS}** and the consequent financial returns from it, the following management issues must be considered. **Supreme^{PLUS}** can potentially be one of the most productive pastures on the property when managed correctly.

- **Supreme^{PLUS}** pastures should be managed for high production by avoiding overgrazing or pugging.
- Maximise the legume content and production, particularly in the first three seasons by limiting heavy spring and summer grazing. Instead, continue to lightly graze with lambs or cattle where possible.
- Ensure pastures are adequately fertilised, recognising that production per hectare will be higher than other pastures on the farm. **Supreme^{PLUS}** is very responsive to nitrogen fertiliser applications.



Suggested Mixes

High Quality Perennial Pasture Mix: Dairy/Beef/Sheep/Deer

	RATE KG/HA
Supreme ^{PLUS} LE or AR1	10
Sterling LE or AR1	14
Tribute white clover	3
Sensation white clover	4
Total	31

General Purpose Late Flowering Pasture Mix - Dairy/Beef/Sheep/Deer

	RATE KG/HA
Supreme ^{PLUS} LE or AR1	7
ONE ⁵⁰ LE or AR1	12
Tribute white clover	4
Total	23

General Purpose Mid Flowering Pasture Mix - Dairy/Beef/Sheep/Deer

In environments where conditions are marginal for the persistence of hybrid perennials, such as moderate to low soil fertility and overgrazed sites, some true perennials can be included in the mix. **Supreme^{PLUS}** in this mix has the role of providing medium-term high quality feed with boosts to early-spring growth.

Supreme^{PLUS} and Samson perennial ryegrasses have proved to be good companion species in this situation.

	RATE KG/HA
Supreme ^{PLUS} LE or AR1	7
Samson LE or AR1	12
Tribute white clover	3
Total	23