



Key Features:

- Semi winter dormant lucerne (dormancy class 5)
- Bushy growth habit with fine stems and a low broad crown
- Suited to challenging, wet, cold environments
- Persistent under grazing and performs well in both irrigated and dryland environments
- Good Anthracnose and Phytophthora root disease resistance
- Ideal for hay production with very bushy and dense growth

Description:

SARDI 5 is a semi winter dormant lucerne (dormancy rating 5) bred in Australia for long term persistence and greatly improved pest and disease resistance. It has a bushy growth habit, fine stems and a low, broad crown making it very persistent under grazing. SARDI 5 performs well in both irrigated and dryland environments and is particularly suited to challenging cold, wet environments, or sites with known disease pressure.

SARDI 5 is best suited to farming systems where long term persistence, summer production and herbage quality are the most desired traits. Also where winter production is either not wanted or is obtained in a mixed pasture.

Pest and Disease Resistance:

SARDI 5 has one of the highest disease and insect resistance profiles and is high resistant (HR) to Anthracnose, Phytophthora Root Rot, Spotted Alfalfa Aphid and Blue Green Aphids. Its high level of disease resistance provides a level of insurance that it will perform in a wide range of environments that may include a number of diseases in combination. This is often the case where there is a long history of lucerne production with irrigation generally multiplying the effect.

Product Fit:

SARDI 5 is well suited to challenging, wet, cold environments or sites with known high disease pressure. It should be the first choice for permanent lucerne stands under sheep or cattle grazing in high rainfall environments and also in specialised hay production ventures where prime quality hay is required. SARDI 5 is also very grazing tolerant as identified in long term continuous grazing trials in Turretfield, South Australia.

Disease and insect resistance of SARDI 5:

SPOTTED ALFALFA APHID	BLUE GREEN APHID	PHYTOPHTHORA ROOT ROT	ANTHRACNOSE	STEM NEMATODE
HR	HR	HR	HR	R



Trial Results:

After years of breeding and trialling, SARDI 5 has demonstrated long term persistence and greatly improved anthracnose and phytophthora resistance. It has been bred for intense pasture situations or those seeking performance hay under irrigation where high winter growth is not required.

SARDI 5 was developed using an extensive network of over 40 field trials across all states of Australia and has shown excellent long-term persistence across a broad range of environments

Plant Breeders Rights (PBR): This variety is registered under Plant Breeders Rights (PBR) in Australia. Unauthorised commercial propagation or any sale, conditioning, export, import or stocking of propagating material is an infringement under the Plant Breeders Rights Act (1994). Any breach of this legislation will leave the grower liable for prosecution.

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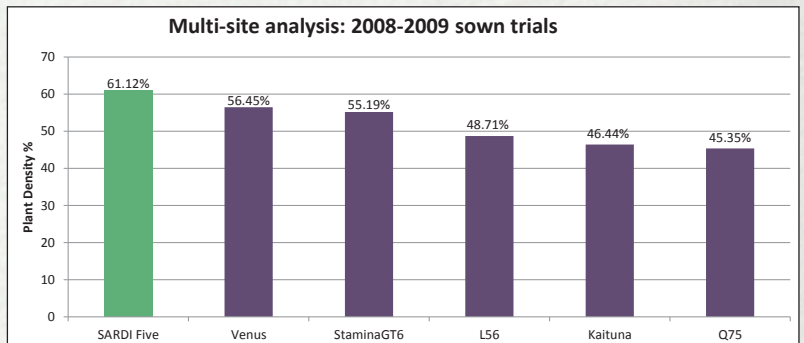


Figure 1: Heritage Seeds collation of final plant density % scores from each trial after a four year period.

Trial locations: Coolac NSW, Cowra NSW, Culcairn NSW, Grenfell NSW, Bendigo Vic, Timboon Vic, Rochester Vic, Mingbool SA.

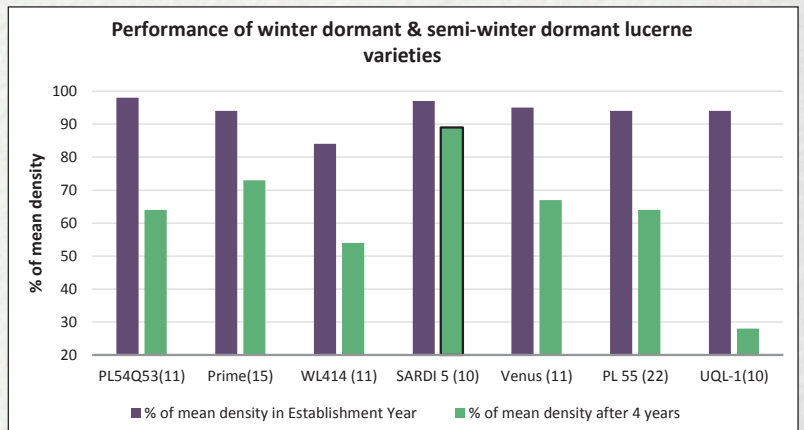


Figure 2: SARDI Research 90 combined trial scores from 4 years trialling (brackets = number of sites)

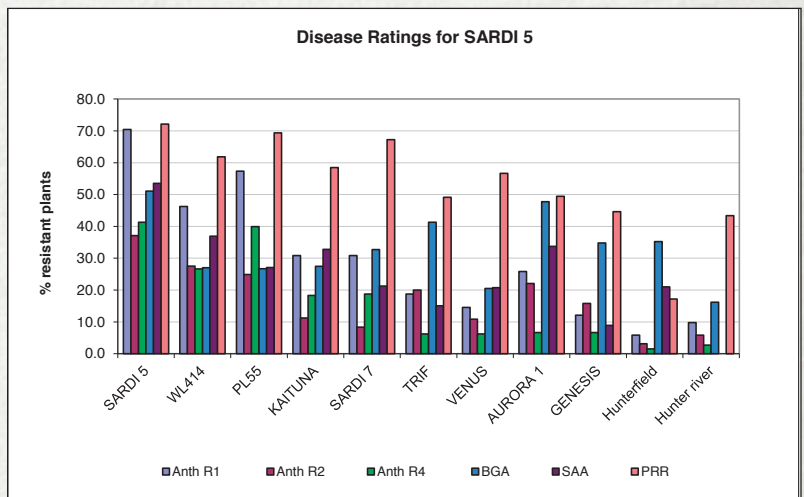


Figure 3: Data from SARDI and Heritage Seeds' 2003 sown trials at Mt Gambier SA, Kapunda SA, Howlong NSW, Cowra NSW & Gippsland Vic.