

## SUBTERRANEAN CLOVER

c a m p e d a



Campeda is a black seeded Sub-Clover that belongs to the *Trifolium subterraneum ssp. subterraneum* family. It was derived from elite lines of Sardinian germplasm and therefore is well suited to Mediterranean and temperate climates.

Campeda demonstrates a prostrate to semi erect growth habit and persists well on various soil types. It has mid season maturity which makes it adaptable to medium and high rainfall environments. Campeda is a superior replacement for Woogenellup and an alternative to Goulburn or Mount Barker and is suited to regions with a 6-7 month growth period. It has been selected to provide excellent winter vigour and has increased levels of persistence due to higher hard seed levels (29%) and superior seed yield compared to that of Woogenellup. The hard seed levels of Campeda makes it suitable for either permanent pasture or short to medium term cropping rotations. Campeda will provide the benefits of soil nitrogen along with an effective disease break.

## CHECKLIST

- ✓ **Mid season maturity  
– 123 days to flower**
- ✓ **Superior winter  
vigour compared to  
Woogenellup**
- ✓ **Good disease tolerance**
- ✓ **High hard seed levels**
- ✓ **Excellent seed yield  
providing excellent  
regeneration**

## RAINFALL

Campeda is well suited to temperate areas receiving a total annual rainfall of 400-700mm and irrigation.

## SOIL TYPE

Campeda is suited to a wide range of soil types ranging from sandy loams to clay loams which are moderately well drained with an ideal pH range of 5.0-7.0 (CaCl<sub>2</sub>), but will remain productive in soils down to pH 4.5 (CaCl<sub>2</sub>). Growers should consider liming (coating or fertiliser applications) if sowing into high acid situations (i.e. <4.9 CaCl<sub>2</sub>). Responses to lime can occur up to pH 6.0 (CaCl<sub>2</sub>).

## INOCULANT

Apply group C Rhizobium. Plant nodulation is extremely important for soils below pH 7.0 (CaCl<sub>2</sub>). Inoculation is essential to ensure sufficient nodulation occurs and maximise nitrogen fixation.

## MATURITY

Campeda is a mid season maturing type, flowering approximately 123 days after sowing. This is similar to Woogenellup and two weeks earlier maturing than Goulburn.

## REGENERATION

Campeda has the ability to produce more seed and provide high levels of hard seed (29%) compared to varieties such as Woogenellup and Goulburn. This characteristic allows Campeda to build up a greater reserve of seed in the soil over time, thus enhancing persistence and productivity for many years.

## GRAZING

Campeda has demonstrated excellent winter and late season productivity. Care must be taken with new sown pastures so as not to overgraze too early as plants can be pulled from the ground. Light grazing during the establishment period will help control weeds and encourage dense prostrate growth. Once established, heavy grazing of Campeda up to flowering will improve seed set. When flowering begins, stocking rates should be reduced to optimise seed set.



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#### DISEASE RESISTANCE

Campeda has demonstrated resistance to Clover Scorch (*Kabatiella caulivora*) and Root Rots caused by Pythium (*Pythium spp.*) and Fusarium (*Fusarium spp.*) in glasshouse trials.

#### PEST RESISTANCE

Campeda, as with all Sub-Clovers, is susceptible to Red Legged Earth Mite, (*Halotydeus destructor*), Blue-Green Aphid (*Acyrtosiphon kondoi*), Blue Oat Mite (*Pentthaleus major*) and Spotted Alfalfa Aphid (*Therioaphis trifolii*) and therefore control is essential at the early seedling stage. Appropriate pest management must be implemented as required.

#### SOWING RATE

When sowing alone to produce a dense stand sow at minimum of 6-10 kg/ha under dryland conditions and 15-20 kg/ha under irrigation. In pasture mixtures, Campeda should be sown at 4-10 kg/ha.

If sowing Campeda for seed production it is suggested that a rate of 15-20 kg/ha is used.

Optimum time for sowing is early to late autumn after rainfall. Sow at a depth of 1-1.5cm into a moist seedbed free of broadleaf and grass weeds.

#### PLANT BREEDERS RIGHTS (PBR)

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Seedmark (Seed Technology and Marketing) has an exclusive licence for the production and marketing of Campeda.

# Seedmark Exclusive Varieties

#### BISERRULA

Mauro

#### CLOVER

##### Arrowleaf

Cefalu

Zulu II

##### Balansa

Bolta

Frontier

##### Berseem

Elite II

##### Crimson

Blaza

##### Persian

Kyambro

Laser

Lightning

Morbulk

Nitro Plus

##### Subterranean

Antas

Campeda

Denmark

Gosse

Losa

Napier

Rosedale

York

##### White

Quest

Waverley

#### FORAGE

##### Woolly Pod Vetch

Capello

Haymaker

#### LUCERNE

Aquarius

Genesis

Sirosal

Venus

#### MEDIC

##### Barrel

Caliph

Jester

##### Burr

Scimitar

##### Hybrid

Toreador

#### PASTURE GRASS

##### Cocksfoot

Kasbah

##### Phalaris

Atlas PG

Australian II

Holdfast

Landmaster

##### Rhodes Grass

Nemkat

##### Tall Fescue

Fraydo

#### SERRADELLA

##### French

Cadiz

Erica

Margurita

##### Yellow

Charano

Santorini

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