Five cultivars of Leucaena are now available for sowing by graziers. These include Peru, Cunningham, Tarramba, Wondergraze and Redlands. Each cultivar has specific attributes that provide benefits for individual locations (climate) which impacts on establishment, grazing, height, and insect management requirements.

**Peru**
Peru, named after its originating country, was first released as a cultivar by CSIRO in 1962. Peru has shrubby growth with good basal branching. Peru is very susceptible to psyllid damage and produces large amounts of seed. Peru has been superseded by newer varieties although seed is still available for sale typically from graziers with older stands of leucaena who take the opportunity to harvest and sell seed when seasonal conditions are favourable.

**Cunningham**
Cunningham was developed by CSIRO who crossed the Peru cultivar with another variety from Guatemala. It was released in Australian in 1976. Cunningham is a highly productive variety with a shrubby growth habit. Like Peru, Cunningham is a prolific seeder and is very susceptible to psyllids and frost which can cause significant productivity losses in certain environments. Despite being released more than 40 years ago, Cunningham is still widely sown today. Like Peru, seed is commonly harvested by graziers who take the opportunity to harvest and sell seed during favourable seasonal conditions.

**Tarramba**
Tarramba was bred by the University of Hawaii and released in Australia in 1994. It has a taller, more tree-like (arboreal) growth habit. Specific grazing management is required to promote basal branching during establishment. Once established, Tarramba requires careful grazing management to minimise the need for mechanical trimming. Tarramba typically produces less seed than the older varieties, and while forage yield can be high stem yield can make up the majority of the total biomass. Other advantages include early seedling vigour and some psyllid and cold tolerance, which can provide production advantages under certain environmental conditions. Tarramba is under Plant Breeders Rights (PBR) and can be only sourced from one seed supplier.
Wondergraze

Wondergraze is an intraspecific hybrid and was released to the market in 2011. Wondergraze has similar seedling vigour and psyllid and cold tolerance to Tarramba however is a bushier plant, putting its growth into foliage and branches rather than woody stems, increasing its attractiveness for grazing and crop maintenance. Wondergraze seed is under Plant Breeder Rights (PBR) until 2035 and can be only sourced from one seed supplier.

Redlands

The Redlands variety is named after the Queensland Department of Agriculture and Fisheries (QDAF) research station where the University of Queensland variety development site is located in Brisbane. Redlands is an inter-specific hybrid between *Lecuaena pallida* and *Leucaena Leucocephala subsp. glabrata*. Redlands was released in 2017 for commercial plantings however on-farm trials investigating palatability and cattle weight gains are still being conducted (as at 2018).

The primary benefit of this variety is it's very high tolerance to psyllids, making it highly suitable for planting in coastal areas or other locations prone to high psyllid incidence. While forage production in in-land districts without regular psyllid incidence is relatively unknown, the limited plantings to date (2018) indicate this variety can be highly productive in these environments.

Redlands seed is also governed by plant-breeder rights (PBR) and is available from two seed suppliers.

Seed Quality

Irrespective of the cultivar and the seed provider, it is essential to ensure your seed is of high quality. All seed sold should have a germination and purity test which will determine if further scarification is needed (to reduce the percentage of hard (dormant) seed), or if weed seeds are present (eg parthenium). Other aspects to consider include how long the seed has been stored for and the storage conditions, and whether there is any bruchid beetle damage (small holes in the seed). The uniformity of seed size is an important aspect that might impact seed flow through a planter, the uniformity of placement in the planted row and the planting rate. Grading the seed might be required to alleviate these issues.