

# BeefBoosta™

## Tropical legume blend

### Tropical mixes



350mm+



5.5+



Most soils types



BeefBoosta is a soil-specific legume blend for tropical and sub-tropical pastures, delivering superior growth, quality, and persistence. It improves feed and pasture productivity through plant-driven nitrogen fixation — helping you get more from every paddock.

BeefBoosta's resilient tailored legume species mix is designed to help re-establish pastures in dieback areas, either oversown or as a stand-alone crop — without causing cattle bloat. Ideal for Meatmaster or custom mixes, its adaptability boosts productivity and soil health across varied soil types - ensuring you get more out of every hectare.

### Where to use BeefBoosta

- Boosts animal and pasture productivity in tropical systems
- Suits variable summer rainfall, with multiple flowering windows and drought tolerance
- Ideal for oversowing pasture dieback areas
- For tropical and sub-tropical medium to high rainfall zones
- Suited to beef finishing operations using grazing management strategies
- Legume option for high-performance custom mixes.

### Benefits of sowing BeefBoosta

- High feed quality to lift liveweight gains and overall farm productivity
- Non-bloating properties, giving you peace of mind while stock put on weight
- Long-term option to improve feed quality and productivity in existing tropical pastures
- Rehabilitation of pasture dieback-affected areas, providing much-needed feed tolerant of the pasture dieback complex
- Plant-driven nitrogen fixation, reducing the impacts of pasture rundown
- Mixed growing season peaks and flowering times, allowing BeefBoosta to capitalise on variable seasons.

BeefBoosta Range	Suitability
BeefBoosta Heavy Soils	Heavy & cracking clays
BeefBoosta Medium Soils	Lighter medium textured soils
Situation	Sowing Rate
Inclusion in Mix	30% of mix
Straight Over-Sow	10-12kg/ha

# Performance

## Productivity

The addition of tropical legumes to pastures (such as the legume species in BeefBoosta) have been shown to produce 40–100% more forage and 60–160% more liveweight per hectare<sup>1</sup>. BeefBoosta is formed with non-bloating legumes for safer grazing.

## Soil Health

BeefBoosta legumes can form a symbiotic relationship with Rhizobium bacteria, which enable plants to fix nitrogen (N) from the atmosphere through their root system and make

Nitrogen available to other pasture species. The nitrogen fixed by legumes boosts the performance of pasture grasses to produce higher quality and quantity of dry matter, providing a nutritious source of feed for livestock.

## Dieback Sites

Recent trials<sup>2</sup> showed that cultivating, adding moderate rates of nitrogen and phosphorus fertiliser and then re-sowing dieback-affected areas with legumes (such as within BeefBoosta) reliably improved plant biomass. Re-sowing with a mix of legume and pasture grass species was also frequently beneficial, in that it increased feed available for cattle.

# Management and Agronomy

BeefBoosta is suited to tropical and sub-tropical Medium to Higher rainfall or Irrigated locations with optimal growth between 21 - 38°C. **BeefBoosta Heavy Soils** is suited to heavier, high clay content soils providing excellent productivity and persistence. **BeefBoosta Medium Soils** is more suited to lighter/medium soil types with lower clay content. Both BeefBoosta types have the ability to fix atmospheric nitrogen, greatly improving soil nitrogen levels and farm productivity.

BeefBoosta Range contains legumes species that are tolerant of Pasture dieback, so it an option as a break crop to ameliorate existing Pasture Dieback areas.

Barenbrug AgriCOTE coated seed provides a seed enhancement package providing trace nutrients, fungicide and insecticide to give seedlings the best-start possible by helping to protect seedlings from insect and disease pressure. Additionally, the ballistic properties of AgriCOTE, allow seed to flow more readily and is ideal for putting through conventional seed drills, bladeplough seeding, ground or aerial spreading. The use of AgriCOTE can greatly improve establishment success and allow the calibration of planting equipment to achieve desired planting rates with a higher degree of success.

**Growth Habit** BeefBoosta includes legumes of varying growth characteristics. There is a good balance of drought hardy deep rooted shrubby type legumes and also trailing twinning legumes. This offers BeefBoosta to be a productive legume mix, with creeping legumes to take advantage of heavy grass pastures and shrubby types to improve drought hardiness and persistence.

**Optimal Sowing Conditions** Beefbooster has optimal germination with surface soil temperatures of at least 24°C with a critical temperature of 19°C and rising for germination. Temperatures above 35°C will greatly reduce successful germination and survival of juvenile seedling, care should be taken not to plant in the hottest summer weather – the seed must maintain close contact with wet soil for about 3-4 days.

**Agronomic Management** For best establishment, BeefBoosta should be sown into prepared paddocks at the same time as grasses in a custom mix. Seed can be drilled or broadcasted, being a small seed should be planted ideally at 5mm and no more than 1cm deep. Seed soil contact is important, the use of press wheels or rolling on non-hard setting soils will greatly improve germination and establishment. The AgriCOTE coated seed ensures nutrients are available to the seedling during the most critical phase of establishment, however significant gains in pasture growth and time to first grazing can be achieved by the use of starter fertilisers.

**Oversow into existing pasture** To oversow BeefBoosta into an existing pasture, it is best practice to halt the growth of existing pasture to aid establishment of legumes. This can be achieved by herbicide or cultivation, and allows legumes to establish with minimal competition from strong established grasses like buffel.

**Fertiliser** BeefBoosta is responsive to Phosphorous (P), Growth rates will continue to respond dramatically to increasing linear rates of P, especially in poorer soils. Legumes are highly dependent on Sulphur (S) and Potassium (K) for normal plant function, including nodulation and nitrogen fixation. A maintenance fertiliser program is recommended to replace nutrient(s) removed by grazing or hay cutting over time, particularly at high stocking densities or under intensive finishing situations. Soil test should be used to form foundation of fertiliser program.

**Grazing Management** Grazing management that seeks to avoid selective grazing will enhance and retain good pasture composition, adequate recovery after grazing and spelling before onset of winter or dry season to encourage flowering and seed set will greatly improve persistence and following season productivity.

## Typical Co-species

**Grazing Mixes:** BeeBoosta should be included at 30% of the mix.

**Suits:** All Meatmaster Range as well as Custom Mixes

**Species Suitability:** Combines best with all clumping grasses in pasture mixes

## Regional Suitability

**BeefBoosta Heavy Soils:** Suits heavy clay and cracking clay soil types

**BeefBoosta Medium Soils:** Suits lighter medium textured soils

**Contact your local Barenbrug Territory Manager for suitability and expert advice.**

## Animal Health

BeefBoosta and all of its components contain non-bloating compounds and properties; and are not known to cause bloat.

Grow with Confidence



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