




### Scientific Name


 *Festuca arundinacea*

### Seed Size


 404,000 seeds per kg

Source: Source: Pasture varieties used in NSW 2006-2007, Bev Zurbo, 2006


### Sowing Rate

 15 – 25 kg/ha

### Blend Rate

 4 – 10 kg/ha

### Activity

 Summer-active mid-maturing

Temperate types exhibit spring/ summer activity with some slow growth in winter, they do not frost off as easily as cocksfoot and phalaris.

### Novell Endophyte

 ArkShield®

### Key Features


- Protected with ArkShield® Smart Endophyte technology
- A productive and persistent perennial forage grass
- Exceptionally high yielding
- High tolerance to disease, pests and drought
- Fescue variety with excellent seedling vigour

### Plant Characteristics

- Temperate type
- Deep-rooted true perennial variety

### Where can I grow it?

- Suited to high rainfall zones
- Better heat tolerance than perennial ryegrass
- Ideal for heavy soils

 *Estancia Summer Active Fescue produces tons of palatable, nutritious, high-quality forage that leads to healthier, heavier and improved weight gains in livestock. It is powered by ArkShield® Smart Endophyte technology that protects Estancia plants from disease, insects, heat and drought stress, producing a more persistent perennial pasture without negatively affecting animal performance.*

## Product Information

### Soil Type

Estancia is suited to a wide range of soil types but grows best on deep, heavy to medium textured soils.

### Fertility

Good base rates of phosphorus are necessary for maximum DM production especially during establishment phase. DM production is directly related to nitrogen availability. Consult your UMS agronomist or fertiliser advisor for nitrogen application rates.

### Sowing

Summer Active Fescue should be sown at approximately 15-25kg/ha on its own or 4-10kg/ha in a perennial blend. Higher sowing rates increases early pasture production and lower's weed competition. Sow into a weed-free seed bed at roughly 1-1.5cm depth. Rolling the seedbed after sowing will aid

establishment. Fescues are best sown in autumn because growth will be slow at soil temperatures below 12°C.

Avoid sowing fescue with ryegrass, as fescue has poor seedling vigour compared to ryegrass, as ryegrass is very competitive early, and has the potential to crowd out the fescue seedlings. Fescue is commonly sown with phalaris or cocksfoot, including the addition of clovers and herb's.



# Product Information

## Weed Control

Fescue is a slow establishing species so early weed control is crucial to long-term viability of the stand. Always use knockdown herbicide to ensure you are sowing into a clean seedbed. Monitor for post-emergent weeds and spray as required. Use options such as spray-grazing for broadleaf weeds once the stand is established.

## Grazing

Estancia fescue can be lightly grazed when plants resist pulling and the root system is well developed; this is typically in late winter or early spring. Once established, Estancia should be rotationally grazed to ensure the plant does not exceed 10- 12cm, which will maximise tillering and encourage active leaf growth.

## Feed Quality

Estancia will provide nutritious and palatable feed throughout spring and summer.

## Animal Health

To optimise livestock weight gain and health, ensure livestock are vaccinated and drenched. To prevent nutritional problems, make gradual diet changes when introducing hungry stock to lush pastures. Estancia is not recommended for horses, as there is no horse grazing safety trial data available.



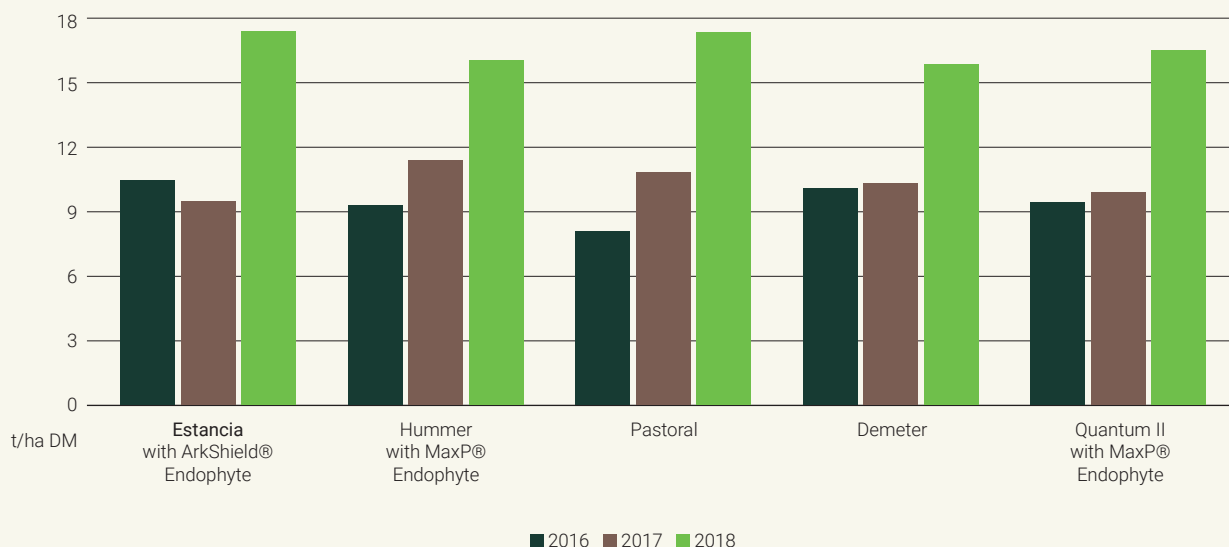
## What is ArkShield Smart Endophyte Technology?

ArkShield® is a patented smart endophytic fungus that lives inside Estancia seed in a mutually beneficial relationship protecting the grass from disease, insects and environmental stresses like heat and drought. It is natural and desirable in forage grasses and does not have negative effects on grass growth or livestock feeding on it. The ArkShield® endophyte produces a loline compound, which along with peramine, provides increased protection against Black Beetle, Pasture Mealy Bug, Argentine Stem Weevil and Root Aphid. This increased stress tolerance means more thick, lush, productive and profitable forage, that will benefit your farming operation for years to come.



## Summer Active Fescue, Replicated Dry Matter Trial

Tooma Station, NSW



DISCLAIMER: All information provided is intended as a guide only. UMS has taken all due care to ensure the included information is accurate and use of this information is at the user's sole discretion and risk. Varying environmental conditions may alter the performance of products and plants. The sowing rates provided are a guide only. You should refer to your agronomist or advisor for sowing rates suited to your particular situation.

