

Product Data Sheet

Biotal® Plus

Application

Biotal Plus is a microbial inoculant to aid in the preservation of ensiled forages. The product combines fast, efficient *P. pentosaceus* NCIMB 12455 with a high-specification enzyme formulation and the propionic acid producer *Propionibacterium jensenii* NCIMB 30081 to give rapid ensiling fermentation, minimize shrink, improve forage digestibility, reduce aerobic spoilage and promote high animal intakes.

Product Formats

The product is offered as a water dispersible powder in four package sizes:

1. To treat 50 tonnes of fresh forage (100g)
2. To treat 200 tonnes of fresh forage (400g)
3. To treat 500 tonnes of fresh forage (1000g)

The product is also offered in a granular, dry applied format.

All **Biotal** products are scientifically formulated and packaged in the highest specification barrier packaging materials to ensure product viability. Liquid applied product formulations are formulated with stabilisers to ensure viability in the pack and extended tank life following rehydration.

Benefits

Biotal Plus has been trialed extensively. Among the benefits demonstrated in independent trials are:

Corn Silage - 1.1 kg/hd.d increase in fat corrected milk yield; 0.09 kg/hd.d more milk protein; 12% improvement in DM recovery; 81 kg/ tonne more silage retained after opening; 11% increase in organic matter digestibility; 7% increase in in-vivo fiber digestibility; 35kg increase in milk production/ tonne silage DMI; DM losses reduced from 12.8% to 4.6%; \$0.26 additional milk value per cow per day

High Moisture Corn - Improved aerobic stability (161h to heat vs. 57h for control); 6.8% improvement in ADG; 1.8% increase in feed efficiency

Baled haylage - 33% improvement in calf ADG; 21% increase in DM intake

Haylage - 10% improvement in DM recovery; 8% improvement in ADG; 10% improvement in FCE; 201 kg increase in milk production/ tonne silage DMI

Barley Silage - Faster initial ensiling fermentation, 42% reduction in DM losses

