



APPLICATION MADE EASY:

Application of HAY KING, SILAGE KING and MAIZE KING liquid and granules is simple.

The granules will easily flow through a Dohrman granule applicator or a standard Gandy Box. The liquid versions of the products can be applied using one of our custom 20lt or 100lt applicators or with an Ascot dose pump.

If crop conditions change, the application rate can be changed from the cab using a dash mounted controller. The controller enables you to regulate the application rate to meet light, medium or heavy crop loadings.



100lt applicator mounted on a chopper



Dohrman granule applicator



Baler mounted 20lt liquid applicator



Ascot liquid dose regulator

CONTRACTOR ENDORSEMENTS

“We have feedback from contractors who have mounted applicators on their rakes, applied Silage King first row up, then it has rained on and off for ten days but because of reduced deterioration good silage has still been made fourteen days after cutting”.

Grant Kay – National Product Manager

“The fast elimination of bad bacteria and fermentation means I have an increased harvest and baling window reducing time pressure to complete baling. My clients report that their stocks are getting the energy they need from fewer bales. BioStart Silage King is very cost efficient and great value versus other products on the market so it is an excellent investment for ensuring a quality bale”.

Tony Holden, Silage Contractor

Tony Holden has been contracting for 15 yrs and is based in Clinton, Sth Otago and will harvest approximately 50,000 bales per season.



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Forage Preservatives



biostart FORAGE PRESERVATIVES

BioStart is a leading New Zealand bio-technology company specialising in microbial activators and fermentation extracts. The BioStart range of silage inoculants and hay preservatives contain a concentrated blend of non-viable (not live) fermentation extracts including enzymes, bacteriocins and secondary metabolites which clear a pathway for ensiling bacteria. Signal molecules then stimulate the naturally occurring lactic acid producing bacteria to rapidly ensile the grass or crop.

WHY USE INOCULANTS ON YOUR SILAGE?

The quick answer is to stop fungi growing on your silage so it stays fresher for longer. Grass is covered in a naturally occurring film of microbes that begins the decay process as soon as it is cut. An inoculant should be used to prevent this natural process from reducing the feed quality.

WHY DO BIOSTART SILAGE INOCULANTS PRODUCE BETTER SILAGE?

- All other inoculants rely on live bacteria our inoculants don't.
- Our inoculants boost lactic acid producing bacteria which naturally occur on the grass or crop with Signal Molecule Technology.

Farmers and contractors report:

- The ferment only takes 1 week versus a traditional ferment of 3 - 4 weeks
- The faster ferment results in a sweeter, more palatable silage
- When stacks are opened there is no re-ignition or secondary ferment
- The silage will stay colder and last longer once opened



MADE IN NEW ZEALAND

SILAGE KING

The key to making quality grass and cereal silage is an efficient and complete ferment. The fermentation extracts in Silage King ensure a rapid rise in beneficial acetic acid producing bacteria and the suppression of undesirable microbes. The end result is a sweeter smelling silage that lasts longer.

- Promotes quick efficient fermentation
- Reduces losses in DM and quality
- Increases palatability
- Increases harvest/baling window
- Easy to apply

APPLICATION RATE

Silage King Liquid 20lt:	
Standard round bales	90ml/bale
Pit Silage	150ml/wet ton

Silage King Granules 20kg:	
Standard round bales	100gm/bale
Pit Silage	170gm/wet ton

20 LTRS OF SILAGE KING

**Inoculates:
222 standard round bales.**

grass, lucerne and whole crop silage



HAY KING

Getting just the right conditions for hay making can be a tricky proposition. Too damp at baling and substantial losses in quality can be caused by mould growth and the subsequent heat build up.

Hay King uses a combination of fermentation extracts that inhibit microbial activity on baled hay. Hay King increases the window of opportunity for making quality hay bales.

- Inhibits mould forming on baled hay
- Reduces losses in dry matter & quality
- Increases palatability
- Increases baling window
- Easy to apply

APPLICATION RATE (per tonne of hay)

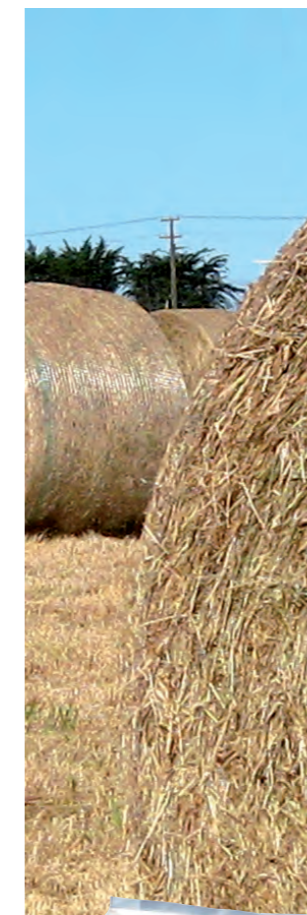
Hay King Liquid 20lt:			
Moisture Content	18%	21%	24%
Application rate	180mls	280mls	400mls

Hay King Granules 20kg:			
Moisture Content	18%	21%	24%
Application rate	200gms	320gms	440gms

20 LTRS OF HAY KING

**Preserves:
110 tonnes of hay.**
(at 18% moisture content)

grass & lucerne hay and stubble bales



MAIZE KING

MAIZE KING has been specifically formulated to address the high starch content of maize silage. The fermentation extracts in Maize King ensure an efficient and complete ferment of the crop. As a result stacks ferment quicker and hold their quality for longer. When uncovered, faces remain cold and don't re-ignite into secondary ferment.

- Ensures efficient and complete ferment
- Reduces losses in dry matter and quality
- Increases palatability
- Increases harvest window
- Faces remain cold after opening

APPLICATION RATE

Maize King Liquid 20lt:	
Pit Silage	115ml/wet ton
Maize King Granules 20kg:	
Pit Silage	130gm/wet ton

20 LTRS OF MAIZE KING

**Inoculates:
174 wet tonnes pit silage.**

recommended for maize silage

