Contractor
as seen in...
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MAIZE KING

Maize King's new technology preserves silage without the hassle of live bacteria.

Murray Andrews is a dairy farmer with 115 hectare milking platform and a herd size of 460 cows. He produces 1,000 dry tonnes of maize silage per annum for his own feed requirements.

Murray also runs his own contracting business in Taranaki that processes 10,000 dry tonnes of maize silage using two John Deere 7500 harvesters. He has used inoculants for 16 years.

"There is no question you should use an inoculant to help protect the quality of maize silage. The question is what inoculant should you use. In the past I have used inoculants with live bacteria and whilst they worked I had problems when I needed to mix the product and there was no readily available clean water source.

"I tried Maize King because it is specially formulated to address the high starch content of maize silage and has no live bacteria so no mixing or water is required. It is so much easier to use than traditional inoculants.

"Since Maize King has no live bacteria, it doesn't require refrigeration and it has a shelf life of three years so you can continue to use any surplus product next season.

"Maize King has reduced my wastage and saves money over traditional inoculants. Best of all it works fast to deliver a quick and efficient ferment. My customers are very happy when the maize stack is opened and the face remains cold or doesn't reignite with secondary fermentation. They report no pasture damage when it is fed out."

Maize King national product manager Grant Kay says traditional inoculants rely on introducing live bacteria to colonise the crop. Maize King uses new technology with a concentrated blend of fermentation extracts containing secondary metabolites, enzymes, signal molecules and bacteriocins to preserve the silage. The bacteriocins and signal molecule technology eliminate the need for live bacteria.

Bacteriocins are a peptide produced by some strains of bacteria. They either inhibit the growth of or kill other bacteria. Bacteriocins are non-viable (not live) so they deliver the benefits of living bugs without the shelf stability issues of a product that contains live bacteria.

Signal molecule technology works by sending signals to the beneficial lactic acid producing bacteria which are naturally occurring in the maize to "wake up" and reproduce leading to a rapid rise in populations. By combining the use of bacteriocins and signal molecule technology Maize King works quickly delivering a rapid and efficient ferment.

Maize King can be applied through any applicator and is available in both liquid and granule form.

The granules flow through a Narrowdale granule applicator or a standard Gandy Box. The liquid Maize King can be applied using one of the New Zealand developed and made 20lt or 100lt applicators available through BioStart.

With the dash mounted cab controller application is reliable and simple. The controller allows the application rate to meet light, medium or heavy crop loadings.

The New Zealand made applicators are great value for money with maintenance and parts readily available.

For more information on Maize King or the New Zealand made range of applicators contact Grant Kay BioStart 0800 274 5243. **RC**

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A QUALITY INOCULANT DOESN'T HAVE TO COST A FORTUNE

Maize King uses the latest fermentation technology to produce an inoculant that ensures an efficient and complete ferment. Stacks stay in better condition for longer and when opened the faces remain cold.

- **Ensures quick and efficient ferment**
- **Reduces DM losses**
- **Increases palatability**
- **Stacks keep quality for longer**
- **Faces remain cold after opening**
- **No pasture damage when fed out**

HAY KING | MAIZE KING | SILAGE KING

MADE IN NEW ZEALAND

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