

MAGNIVA

PLATINUM MAIZE



**FOR HIGHER DRY
MATTER MAIZE
CROPS**

Powered by *L. hilgardii* CNCM I-4785
and *L. buchneri* NCIMB 40788



LALLEMAND ANIMAL NUTRITION ■ SPECIFIC FOR YOUR SUCCESS

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LALLEMAND



TAKE CONTROL OF SILAGE QUALITY WITH MAGNIVA PLATINUM MAIZE

SETTING NEW STANDARDS IN FERMENTATION AND AEROBIC STABILITY

Achieving a fast and efficient fermentation and a feed which is aerobically stable when opened are vital if you want to produce more, high quality maize silage to let you take control of forage and feed costs.

Formulated specifically for maize harvested at higher dry matters and for the easier to ensile maize crops. **MAGNIVA PLATINUM MAIZE** contains the unique combination of proven heterofermentative bacteria that will ensure:

- A stable clamp which can be opened earlier
- Increased aerobic stability after opening
- More silage to feed due to lower dry matter losses
- Less heating so increased feed value
- Reduced contamination with yeast and moulds

Containing heterofermentative bacteria helps prevent heating and spoilage when the clamp is opened.

L. HILGARDII CNCM I-4785 and L. BUCHNERI NCIMB 40788: BETTER TOGETHER

Our patented combination of the newly identified strain *L. hilgardii* and the extensively proven *L. buchneri* work better together to deliver outstanding results with excellent aerobic stability after just 15 days and superior long term aerobic stability.

Together this means you can open clamps much quicker than the usual 60 days, allowing your maize silage to be included in the diet sooner. Once the clamp is opened you won't see high levels of mould that normally lead to high levels of waste, lower feed values and reduced palatability.

Our unique and specifically selected bacterial strains have different attributes and together they work in perfect synergy to deliver exceptional results.

STRAIN	BENEFITS
<i>L. hilgardii</i> CNCM I-4785	Improved aerobic stability after just 15 days of ensiling, allowing clamps to be opened sooner
<i>L. buchneri</i> NCIMB 40788	The gold standard for increasing aerobic stability after 60 days
<i>L. buchneri</i> & <i>L. hilgardii</i> together	Outstanding season long aerobic stability



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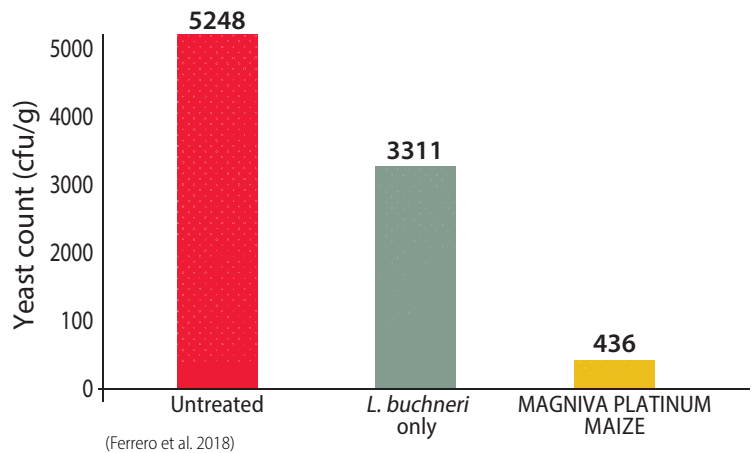
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FLEXIBLE CLAMP OPENING

MAGNIVA PLATINUM MAIZE contains *L.hilgardii* a new rapid stability technology which inhibits yeasts and mould activities much earlier as well as *L. buchneri*.

MAGNIVA PLATINUM MAIZE treated silage has 12 times less yeast at early opening compared to untreated silage. Higher yeast counts are associated with an unstable silage and heating during feedout.

Spoilage organism count - 15 day



LONG TERM STABILITY IMPROVEMENTS

MAGNIVA PLATINUM MAIZE treated silage had the most stable results. It takes a huge amount of energy to heat silage to 51°C, the heat generated is energy which is lost to the environment and so unavailable to feed.

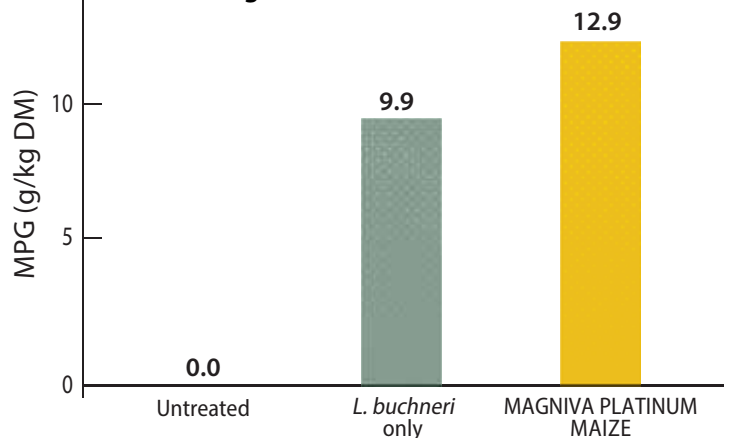
In this example at least a 306MJ is wasted per tonne of dry matter, if heating affects 1000 tonnes of silage fresh weight it would equate to 20,000L of milk potential.

Opening	Aerobic stability 2°C (h)	Peak temperature (°C)	Interval with temperature >35°C (h)
Untreated	102	51	180
<i>L. buchneri</i> only	138	46	143
MAGNIVA PLATINUM MAIZE	365	35	37
	SIGNIFICANTLY HIGHER AEROBIC STABILITY (.X2 LB OR LH ALONE)	SIGNIFICANTLY LOWER PEAK T°	SIGNIFICANTLY LESS TIME ABOVE 35°C

BENEFICIAL FERMENTATION PATHWAY

MAGNIVA PLATINUM MAIZE has a specific fermentation pathway that creates elevated levels of monopropylene glycol (MPG) which has a powerful antifungal effect and also is converted to glucose in the liver to provide a source of utilisable energy for the animal.

Increased propylene glycol concentration - 15 days after ensiling





MAGNIVA INOCULANTS WITH HC TECHNOLOGY



For ease and accuracy of application, **MAGNIVA** forage inoculants are formulated using Lallemand Animal Nutrition's patented HC technology, giving a more concentrated inoculant with big benefits:

- Highly soluble
- Easier and faster mixing
- Faster refilling in the field
- More consistent mix and no sedimentation problem
- Even application to the crop for more consistent silage
- Suitable for low volume applicators



WHEN YOU BUY MAGNIVA YOU GET MORE THAN JUST AN INOCULANT

MAGNIVA inoculants are fully researched, registered, globally proven and specifically formulated to meet the challenges of making high quality silage for today's high performing animals, building on the heritage and success of our BIOTAL brand. When you put your trust in **MAGNIVA** inoculants you get our world class support and the most comprehensive technical services.

- Lallemand Animal Nutrition are global leaders in the production of specific bacteria for silage production
- All our products are backed by extensive, independent research
- We only use bacteria we have fermented and packaged ourselves at our UK production facility with the highest standards of Quality Control and Assurance
- Our dedicated technical services team is at the forefront of implementing best practice in silage making, helping you take control with forage
- They offer support and tools for planning the production of quality silage:
 - Crop walking and assessment training to identify maize maturity
 - Advice on cutting date and inoculant choice to help achieve the best fermentation
 - Advice on how to achieve the most effective fermentation
 - Silage analysis and review of silage making to identify improvement opportunities
 - Training for contractors or farm staff on best practice inoculant use

Together our unequalled technical support and crop and condition specific inoculants will help you **take control with forage** based on our long heritage of working successfully with farmers.

Visit QualitySilage.com for more information.

MAGNIVA Platinum Maize is available in 50 and 200 treated tonne sachets.