

MAGNIVA

PLATINUM CRIMP



FOR CRIMPED GRAINS

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

LALLEMAND ANIMAL NUTRITION ■ SPECIFIC FOR YOUR SUCCESS

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TAKE CONTROL WITH MAGNIVA PLATINUM CRIMP

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 fermented crimped grains to let you take control of feed costs

Formulated specifically for all fermented crimped grains, **MAGNIVA PLATINUM CRIMP** contains a unique combination of proven bacteria which will ensure:

- Increased aerobic stability after opening
- More crimp to feed due to lower dry matter losses
- Less heating so increased feed value
- Reduced contamination with yeast and moulds

Containing both homofermentative and heterofermentative bacteria helps ensure faster preservation when clamped, while helping 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.

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
<i>L. buchneri</i> NCIMB 40788	The gold standard for increasing aerobic stability after 60 days
<i>P. pentosaceus</i> NCIMB 12455	Drives the initial fermentation ensuring good acidification and a well preserved crop
<i>L. buchneri</i> & <i>L. hilgardii</i> together	Outstanding season long aerobic stability

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WHEN TO CRIMP



Ear and stem predominantly golden yellow in colour



Most of the ears will be turned down



Grain difficult to squeeze between thumb and forefinger.
Thumb nail pressure will leave an indentation in the grain

If 70% of the crop resembles this appearance and grain texture, the average moisture content will be between 25-40% over the whole field.

A NEW BIOLOGICAL SOLUTION FOR CRIMP STABILITY

MAGNIVA PLATINUM CRIMP is an alternative biological solution for crimp preservation which, unlike traditional acid treatments, has a single application rate across the range of dry matters.

By treating crimp with a biological solution, we can also avoid the harmful release of ammonia into the environment, which is seen in some urea-based preservatives.

MAGNIVA PLATINUM CRIMP reduces aerobic instability caused by yeasts and moulds that can have a major impact on crimp quality due to the high dry matter and starch content of the crimped grain.



Untreated grain

MAGNIVA Platinum Crimp treated grain

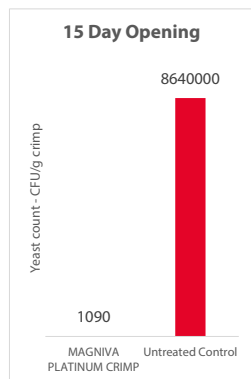
INHIBITION OF SPOILAGE ORGANISMS

During feedout, yeasts and moulds can cause significant nutrient losses and feed waste. The presence of fungal mould can also put the grain at risk from mycotoxin production.

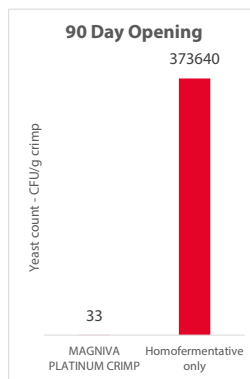
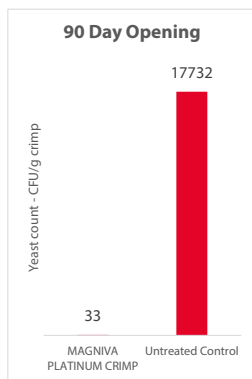
MAGNIVA PLATINUM CRIMP contains the patented *L. hilgardii* 4785 in combination with *L. buchneri* 40788 which are specifically suited for high dry matter preservation. They produce anti-fungal compounds which inhibit undesirable micro-organisms that spoil crimped grains.

New scientific trials show the effectiveness of MAGNIVA PLATINUM CRIMP at inhibiting yeast and moulds in both early opening and longer term storage situations.

This study also showed the danger of using homofermentative only technology in a high dry matter situation. These inoculants can sometimes make the situation worse by creating a potential food source for the yeast without any protection to control their numbers.



(Colahan et al. 2020)



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BENEFITS OF CRIMP CEREALS

- Early harvesting (around 2-3 weeks before conventional combining) maximises the dry matter yield and nutritional value of both the grain and straw
- Early harvesting also allows earlier establishment of the following crop
- Reduced costs of drying grain
- Higher feeding levels can be achieved due to a steady release of fermentable energy in the rumen



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 training to identify cereal stage of 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 CRIMP is available in 25 treated tonne sachets.