

The Proof

Paddock and farm-scale trials have shown Biozest treated pasture can increase milk and meat production by up to 30% while simultaneously reducing urea excretion by more than 20%

Increased pasture productivity



In a baleage trial, all Biozest treated paddocks outperformed the untreated paddocks. Overall Biozest-treated paddocks yielded over **2.2 x as many bales** as the untreated paddocks.

Increased milk and meat production



In an autumn dairy farm trial, gestating cows grazed Biozest treated pasture and untreated pasture in 8-10 day cycles. Dairy cows grazing on Biozest treated pasture produced **8.5% more milk solids and 12.12% more fat per litre** compared to feeding on the untreated pasture.

Reduced urea and greenhouse gases



Urine tests from dairy animals fed Biozest treated pasture, compared with untreated pasture, showed a decrease in urine excretion of 20-48%.

For more research findings, visit biozest.com



How to use Biozest

Biozest is simple to use

- 1 Fill sprayer tank with water
- 2 Shake Biozest several times to reconstitute
- 3 Add Biozest and rinse container into tank
- 4 Agitate thoroughly before spraying

Test compatibility with additional products prior to application

Application

FARM TYPE	RATE	INITIAL TREATMENT	FOLLOW-UP TREATMENT
Dairy	1L Biozest (20-500L water) per hectare	2 applications 3-5 days apart	1 application 3-10 days after each grazing
Dairy: Strategic Application Programme	Follow programme for Dry Stock (below) as a minimum. Add additional applications as needed to avoid feed deficits, overcome stress periods such as drought or frost, boost baleage production and generally increase feed quality and quantity.		
Hay/Baleage	Apply 2 sprays before locking up paddocks. If a second cut will be made, apply another Biozest spray 3-5 days after the first cut.		
Drystock	1L Biozest (20-500L water) per hectare	2 applications 3-5 days apart	1 application in spring, summer, autumn, winter.
Stock finishing paddocks	1L Biozest (20-500L water) per hectare	2 applications 3-5 days apart	1 application 3-10 days after each grazing

ACVM Exempt
 Nil Withholding Period, Nil Waiting Period
 Approved by BioGro (5943) – Certified input for organics



Biozest

**The Economically Smart,
 Climate Smart Solution**

Biozest increases pasture and ruminant productivity to increase profits and reduce the environmental impact of farming.

“More profit, less gas and urea.”



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What is Biozest?

Biozest is a pasture spray for conventional and organic farms.

When pasture is treated with Biozest, it becomes naturally resistant to stress and damage, resulting in improved pasture growth, quality and resilience.

Biozest-treated pasture is more palatable and productive, and more easily converted to valuable milk and meat instead of being wasted as greenhouse gases and urea.

Biozest is manufactured from plant extracts, fatty acids, plant compatible organic acids and wetting agents.

It's the economically smart, climate smart solution.

I've noticed vastly improved recovery on frost damaged pasture, thicker pasture swards and an overall thicker appearance. The clover seems to be more prominent and larger leafed. Cows and calves responded well and chose to graze the Biozest treated side.
 – Stan Matenga, Whangarei



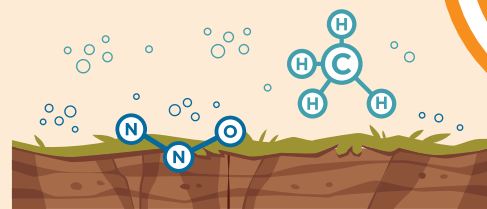
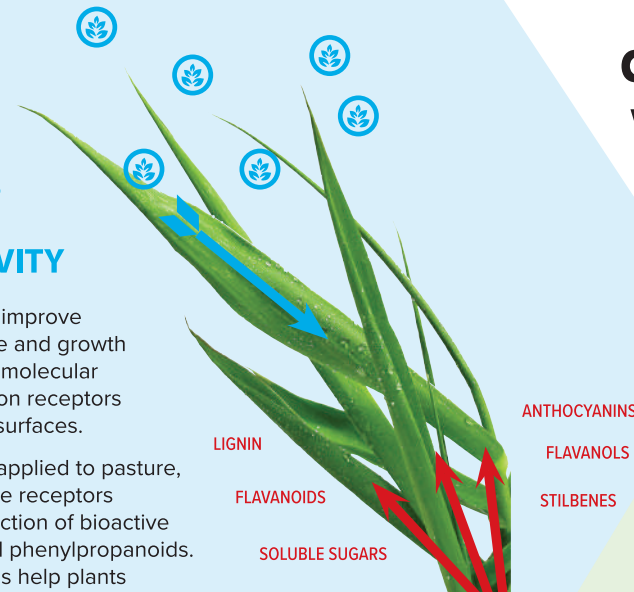
Biozest

BIOZEST INCREASES PASTURE PRODUCTIVITY

Biozest works to improve pasture resilience and growth by activating the molecular pattern recognition receptors (MPRR) on plant surfaces.

When Biozest is applied to pasture, the plant's surface receptors trigger the production of bioactive molecules, called phenylpropanoids. Phenylpropanoids help plants overcome stress from pests, disease, and environmental effects such as drought and frost.

By producing these bioactive molecules, Biozest treated pasture is more resilient and more productive.



REDUCES ENVIRONMENTAL WASTE

Urea is a loss of valuable protein and methane is lost energy. Together, they contribute to increased greenhouse gases and increase farming's environmental footprint.

Biozest treated pasture increases stock efficiency through enhanced pasture growth, feed digestion and productivity, resulting in a reduction of urea and methane.



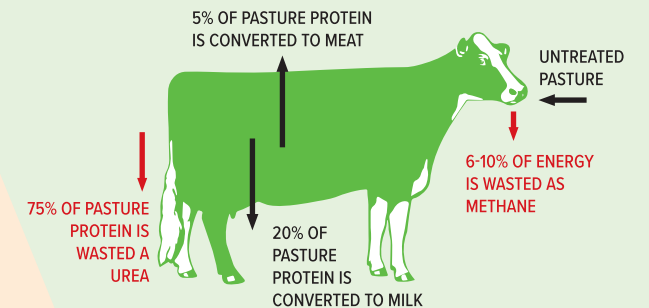
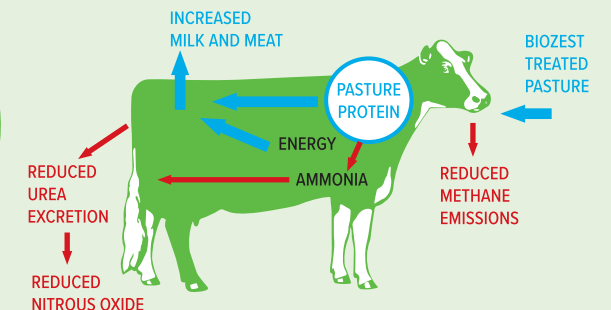
How does it work?

BIOZEST INCREASES MILK AND MEAT PRODUCTION

The inefficient nature of the ruminant digestive system means only 20-25% of pasture protein is converted to milk or meat while 75% is lost as waste via urine and dung, and energy is lost as methane gas.

The bioactive molecules in Biozest treated pasture protect the protein, so when ruminants consume it more pasture is converted to milk or meat instead of being broken down to ammonia and excreted as urea and emitted as methane.

Biozest treated pasture also has higher levels of soluble sugars; this favours the production of propionate (which is more efficient and energy rich) over acetate (which is less efficient and results in energy being wasted as methane and heat). The result: more milk or meat, less gas and urea.



"More profit, less gas and urea."