



Nature working with Nature



"I've noticed great preservation,
good feed out, less waste and
excellent animal performance"

Eamon Sheehan – Co. Kilkenny

Precision Microbes Silage Additive

Fuelling Fermentation In Modern Silage Making



OUR SILAGE ADDITIVE

The ensiling of grass is the main method of forage conservation employed in Ireland. This involves a controlled microbial fermentation of your harvested crop. Preserving your silage is largely dependent on the actions of lactic acid forming bacteria (LAB) in an anaerobic environment.

Precision Microbes' silage additive is a ready-to-use means of delivering live homofermentative LAB species into your silage clamp and bales.

Available in 10L

KEY FEATURES

- Liquid Formulation
- Ready-To-Use Product
- Live Bacterial Agents
- Homofermentation Drives A Quick pH Drop
- Apply Using Standard Or Ultra Low Dosing
- Irish Based Biome Company
- Organic Certified
- DAFM Approved



HOW PRECISION MICROBES WORKS

Live Microbial Agents

A high concentration of live bacteria ensures immediate effectiveness, especially in anaerobic conditions like wrapped bales or sealed clamps. These beneficial microbes out-compete harmful bacteria from the start.

Drives A Rapid Decline In pH

Homofermentative LAB quickly convert grass sugars into high levels of lactic acid, dropping pH fast. They're twice as efficient at using glucose—and six times more efficient with fructose—than heterofermenters*, locking in an efficient and effective fermentation.

Nutrient Preservation

Homofermenters limit DM losses and protein breakdown associated with poor silage fermentation, preserving silage quantity and feed value while reducing risk of unpalatability and toxic end products.

Voluntary Dry Matter Intakes

Efficient fermentation improves silage taste, encouraging dry matter intake which reduces feed waste caused by poor-quality, unpalatable silage.

Homofermentation vs Heterofermentation

Homofermentation uses grass sugars best

TWICE as efficient with **glucose**
6 TIMES as efficient with **fructose**

Animal Health Protection

Homofermentative additives reduce pathogens in silage, protecting herd health, especially during pregnancy, finishing and early lactation. Precision Microbes' additive supports our mission to enhance farm microbiota.

Animal Performance

Better fermentation = better results.
Homofermentative additives have been shown to increase milk yields*, and liveweight gains.*

Environmental Impact/Sustainability

Additives influence an increase in your silage quality and quantity, and therefore promote cost effective homegrown forage use. Healthy cattle fed quality feed produce less methane per kg of output minimising nutrient leaching.*

DOSE RATES

	DOSE	DILUTION RATE
ULTRA LOW DOSE	100ml per tonne	Ready to use
STANDARD DOSE	1-2L per tonne	10% (1L PM + 9L water)

FACTORS THAT INFLUENCE FERMENTATION

DESIRED FERMENTATION

Well Cut
Wilted Crop
High Sugar Content Before
Well Sealed Clamp/Bales
Rapid Growth Of Lactic Acid Microbes
Slow/No Growth Of Bad Bugs
Rapid Drop in pH
Low Ammonia-Nitrogen %

VS

UNDESIRABLE FERMENTATION

Soil Contamination When Cut
High Moisture
Low Sugar Content Before
Compromised Seal
Microbial Competition
Growth Of Bad Bugs
Slow Drop To Poor pH
High Ammonia-Nitrogen %

