

BIO-FERM GOLD

RETURNS ACHIEVED WHEN YOU INVEST IN BIO-FERM GOLD

Extensive trials throughout the UK and Ireland have consistently shown significant improvements in milk yield, milk quality, body condition and liveweight gain in beef cattle.

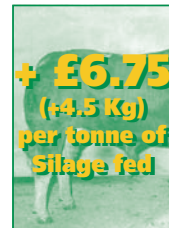


+ £7.00
(+28 litres)
per tonne of
Silage fed

DAIRY COWS

- ★ More milk from forage
- ★ Reduced weight loss (Better body condition)

Worth Over **£5.40** Nett Return for £1.00 invested in Bio-Ferm Gold



+ £6.75
(+4.5 Kg)
per tonne of
Silage fed

BEEF CATTLE

Average of 3 trials (UCD, SAC, ADAS) on grass silage of dry matter (18%-23%).

	Untreated	Bio-Ferm Gold	Improvement (kg)
Kg's of gain per tonne of silage fed	18.6	23.1	+4.5

Worth Over **£5.20** Nett Return for £1.00 invested in Bio-Ferm Gold

BIO-FERM GOLD - "THE NATURAL INVESTMENT FOR PROFIT"

BIO-FERM GOLD

Bio-Ferm Gold Granular – packed in 20kg bags (treats 50 tonnes)

Application Rate 400g per tonne of fresh grass
Benefits

- ◆ Less time spent changing barrels
- ◆ More accurate
- ◆ Non corrosive

Bio-Ferm Gold Liquid packed in 500g sachets (treats 50 tonnes)

Application Rate Pre-dissolve 2 sachets in 9 litres of warm water and make up to 200 litres in clean drum and apply at 2 litres per tonne of fresh grass

Benefits

- Can be mixed at higher concentrations to suit low application rates for high output self propelled machines
- Low application means less time changing barrels
- Remains stable for 5 days after mixing
- Non corrosive

Maximise your investment in Bio-Ferm Gold by good management.

- (1) Grass contaminated by soil/slurry or containing high levels of nitrogen/crude protein can all adversely affect fermentation.
- (2) Ensure accurate and even application. This is particularly important because of the enormous difference in weight i.e. 25-50% between trailer loads of lush unwilted grass and grass wilted to 25-30% dry matter.
- (3) Ensure barrels are properly cleaned before use to prevent contamination.
- (4) **Ensure the pit is properly rolled during filling**
- (5) Bio-Ferm Gold should be stored away from direct sunlight and vermin, in a cool, dry environment to ensure optimum viability.

For further advice on good silage making practices contact: *Britmilk Advisor or Local Merchant.*

BIO-FERM GOLD is a GMO free product and is suitable for organic farming systems

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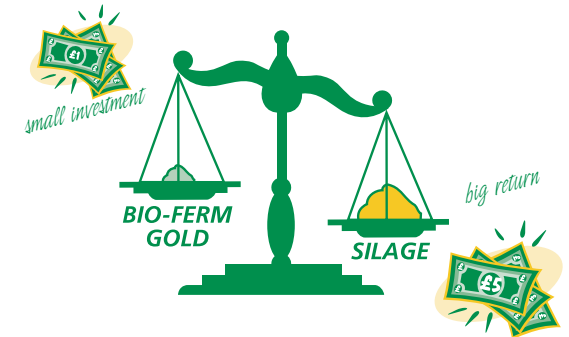
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BIO-FERM GOLD

Biological Additive

THE NATURAL INVESTMENT FOR MORE PROFIT

Have you tipped the balance?



Bio-Ferm Gold

The natural way to better silage

from

BRITMILK

BIO-FERM GOLD

HOW BIO-FERM GOLD ACHIEVES THESE TOP APPROVALS

★★★★★
IMPROVED
★★★★★

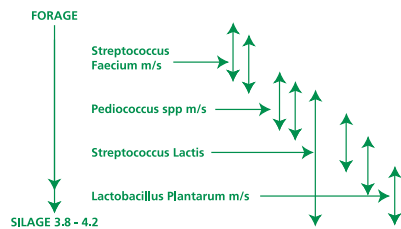
★★★★★
IMPROVED
★★★★★

FERMENTATION CONTROL

Efficiency Through Selection

Bio-Ferm Gold's unique combination of bacteria are all homo-fermentative. They have been selected to work at their optimum efficiency during the fermentation process.

STREPTOCOCCUS LACTIS has a unique double action of producing lactic acid and a "polypeptide" which is capable of suppressing undesirable endospore forming bacteria (clostridia). Trials carried out by IGER gave significant improvements in fermentation characteristics pH, ammonia-N and lactic acid content.



Domination through Numbers

Bio-Ferm Gold applies **1.1 million living bacteria** per gram of forage. This is considerably higher than many other inoculant products. This dominates the less efficient and bad bacteria present on forage, dropping the **pH to 4.0 within 18-24 hours**.

EFFECTIVENESS IN DIFFICULT CONDITIONS

Bio-Ferm Gold's complex combination of enzymes releases sugars from the fibre structures for the use by the bacteria. *Streptococcus Lactis* plays an important role in helping to control *Clostridia* bacteria which are more dominant in cold, wet grass.

BIO-FERM GOLD

WHY TOP APPROVALS ARE SO IMPORTANT FOR USERS OF BIO-FERM GOLD

ABILITY TO GENERATE MORE PROFIT FROM HOME GROWN RESOURCES

ANIMAL

- G: Improving animal gains **Yes** ✓
- M: Improving milk production **Yes** ✓
- I: Improving voluntary intakes **Yes** ✓
- D: Improving Digestibility **Yes** ✓
- EY: Improving the efficiency in energy and/or protein utilisation **Yes** ✓

SILO

- F: Improving fermentation **Yes** ✓
- ET: Reducing effluent **Yes** ✓
- L: Reducing ensiling losses **Yes** ✓

PRODUCT QUALITY ASSURED

"TRIED AND TESTED OVER 20 YEARS"

BIO-FERM GOLD

Benefits of Fast Fermentation

Protecting True Protein

True Protein in Grass → Free Amino Acids in Silage



"DON'T BREAK THE LINKS"

Recent work by Dr R Jones highlights the benefits of **improved feed efficiency** when reducing the concentration of free amino acids in inoculant treated silage compared to untreated.

	Grass	Silage No additive	Bio-form Gold	Improvement
Free Amino Acids (g/kg)	23.6	126.6	69	-45%
Daily LWG	—	0.66	0.89	+35%
Feed Efficiency (Kg DM per Kg LWG)	—	11.3	9.4	+20%

Standard Silage Analysis does not show the real effect of fermentation on true protein %. **It is for this reason that inoculated silages perform significantly better even though the standard chemical analysis appears unchanged.**

More Silage



Extensive trials have given

- * Reduction of over **20%** in effluent
- * Dry Matter Losses in effluent down by **30%**
- * Total ensiling losses reduced by over **27%** equal to over 54 tonnes more silage per every 1000 tonnes of forage ensiled.

Worth over £1080 (silage at £20 per tonne) or **Extra feeding for 5-6 cows**