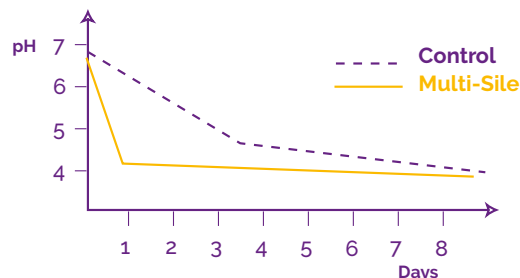


MULTI-SILE

Research Trials

The real proof of efficiency of bacteria
(testing every 12 hours for pH drop).



Dairy Trials

(no wilting - 18% Dry Matter)

	DIRECT (no additive)	DIRECT (additive)	Differences
Silage (DM intake) (kg per day)	10.57	11.72	(+10.8%)
Milk Yield (kg per day)	21.99	23.27	(+1.28kg)

COMMENTS: Additive increased intake with wet silage and gave a good response in milk yield (+1.28 litres).

Dairy Trials

(wilted - 32% Dry Matter)

	WILTED (no additive)	WILTED (additive)	Differences
Silage (DM intake) (kg per day)	12.59	12.85	(+2.0%)NS
Milk Yield (kg per day)	22.29	23.58	(+1.29kg)

COMMENTS: Additive treatment did not increase silage intake significantly over untreated but **improved feed efficiency to give an extra 1.29 litres.**

The proof is in the eating.

MULTI-SILE

Multi-Sile is packed in easy to use bottles.

Each prepared bottle treats 100 tonnes of fresh forage.

Can be applied from 10mls to 1 litre per tonne. Specialist applicators are required for low volume applications.

- Benefits
- Can be mixed at higher concentrations to suit lower application rates for high output self propelled machines
 - Low application means less time changing barrels
 - Remains stable for 2 days after mixing
 - Non corrosive

Maximise your investment in Multi-Sile 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) Multi-Sile 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.

Multi-Sile is a GMO free product and is suitable for organic farming systems

BRITMILK ADVISORS

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Northern & Central Scotland
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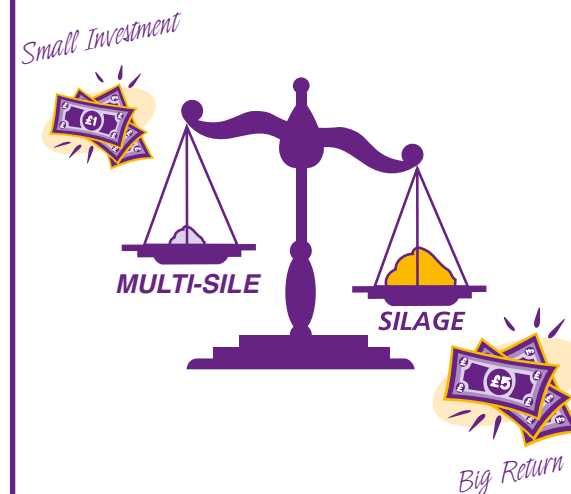
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MULTI-SILE BIOLOGICAL ADDITIVE

Tipping the Balance



For

★★★★

MORE PROFIT

★★★★★★★★★★★★★★★★★★★★



FROM



BRITMILK

MULTI-SILE

Multi-Sile is specially formulated when requiring low volume application rates (ie 10mls > 500mls) but can be used for standard rate applications (ie 0.5L > 2L).

Multi-Sile is the **first** of a new generation of additive to meet the challenges of modern forages for **high genetic merit cows**.

Multi-Sile combines the **tried and tested** bacteria in **Bioferm** plus the **new innovative bacteria** that produce bacteriocins and volatile acids.

Bacteriocins have specific anti-microbial properties, restricting the growth of yeasts (heating), moulds (toxins) and enterobacteria/clostridium bacteria (loss of sugars/proteins).

Benefits Achieved by a Rapid fall in pH

1. Retention of true protein from grass into silage
2. To retain maximum nutrients from grass into silage
3. Preserve those nutrients in the most palatable form in order to maximise intake.

MULTI-SILE

Benefits of Fast Fermentation

Protecting True Protein

True Protein in Grass → Free Amino Acids in Silage



"DON'T BREAK THE LINKS"

Improved feed efficiency when reducing the concentration of free amino acids in inoculant treated silage compared to untreated.

	Grass	Silage (no additive)	Multi-Sile	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%

Extra **4.4kg** more liveweight gain per tonne of silage fed at 25%DM via feed efficiency.

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

More Silage



Untreated MULTI-SILE

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 50 tonnes more silage per every 1000 tonnes of forage ensiled.

Worth over £1400 (silage at £28 per tonne) or **Extra feeding for 5-6 cows**

MULTI-SILE

Making the most of your grass



Grass Silage - Dry matter **28%**
Energy: **11.2mJ/Kg**
Cost per tonne **£28**
Cost per unit of energy = **0.9p**
Cost to produce 1 litre @ 5.2 mJ/litre
5.2 x 0.9p = **4.7p**



Dairy Nuts - Dry matter **86%**
Energy: **13.0mJ/Kg**
Cost per tonne **£220**
Cost per unit of energy = **1.96p**
Cost to produce 1 litre @ 5.2 mJ/litre
5.2 x 1.96p = **10.2p**

REAL COST SAVINGS

DAIRY NUTS
(cost per litre)

10.2p

GRASS SILAGE
(cost per litre)

4.7p

SAVING OVER 50%
5.5p per litre