

Ingredients:

Profresh is a dry granular buffered form of propionic acid used for stabilization of TMR and silage. It also inhibits and prevents the growth of molds and spoilage yeasts in feed ingredients and compound farm animals' feed.

Available in 25kg bags.

Directions:

Rates of use of **Profresh** are influenced by moisture, temperature, humidity, yeast and mold populations, storage time and handling conditions that affect oxygen availability. These factors should be considered when determining usage rates. Typical application rates are:

Compound Feeds			TMR		Silage Storage	
Moisture (%)	Usage Rate (lb/ton)		Moisture (%)	Usage Rate (lb/ton)	Area/ Layer	Usage Rate (lb/sq yard)
	Compound Feeds & Premixes	High Molasses Based Feeds				
<15%	1	1	40 - 50%	2		
15 - 17%	2	2	50 - 65%	3	Top surface	1/2-1
17 - 19%	3	3	65 - 75%	1 - 2	Shoulders	1-2

Storage:

Contains propionic acid. Store in original sealed packaging in a cool, dry place. Use within 24 months of date of manufacture.

ABOUT VOLAC

Volac is dedicated to developing cutting-edge product-based agricultural solutions and species-specific programs designed to improve animal health and performance.

For more information on the full range of feed and forage products; and all other Volac products and services please visit our comprehensive site at: volac.com



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Profresh

TMR & FEED STABILIZER



For TMR & Feeds

EFFECTIVE FEED PRESERVATION

Profresh

TMR & FEED STABILIZER

Volac Profresh prevents deterioration in stored grains and animal feeds, including silage and TMR, reducing heating. Profresh is a preservative containing propionic acid which is active against spoilage yeasts and molds in all animal feeds. Profresh can be used for all animal species.

Major Benefits

- Prolonged stabilization of TMR and silage
- Prevention of yeasts and molds growth in feeds and feed ingredients
- Minimizes heating and nutrient loss
- Reduces risk of health related problems to livestock
- Higher profitability
- Less waste
- Easy to apply
- Low application rate



Profresh

The Challenge

Molds and yeasts are a group of microorganisms that cause deterioration of grains, forages, TMR and finished feeds. During their growth they not only utilize the feed value, but they also produce unpalatable compounds and in certain conditions form mycotoxins that adversely affect animal growth and production. This can cause detrimental consequences to animal health and have a major economic impact on the profitability of the business.

Profresh Preserves

Profresh includes a slow release carrier which ensures an effective prolonged control over microbial growth which is the key in preventing deterioration and heating in stored grains and feeds.

Profresh Protects

Animal feeds from the negative effect of mold formation:

Effect of Molds on Feed

- Energy value of feed decreases
- Changes vitamin content
- Reduces amino acids content
- Risks mycotoxin contamination
- Results in heating of grains
- Creates costly feed wastage
- Lowers feed consumption slowing weight gain
- Increases livestock health issues

Trialled and Tested

Profresh has been robustly trialled on working farms, and has been proven to prolong the stabilization of TMR and silage, minimise heating and retaining more nutritional value in the feed.

Fig. 1 (April): After 72 hours, the Profresh treated TMR was found to be 50°F lower than the untreated TMR.

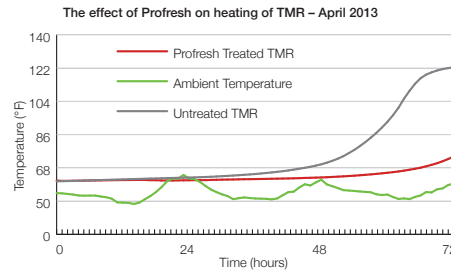
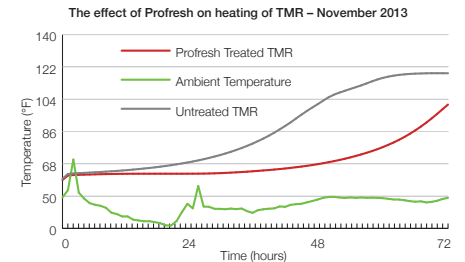


Fig. 2 (Nov): Profresh acts quickly; within 8 hours of treatment it is clear that the untreated TMR is starting to heat up compared to the Profresh treated TMR.



After 48 hours, the Profresh treated TMR was found to be 36°F lower than the untreated TMR.