

## What is Dyna-Sile?

Dyna-Sile is a complex fermentation product formulated to accelerate the growth of Lactic acid producing bacteria (*L. plantarum*) that occur naturally in silage. Dyna-Sile contains a perfect blend of nutrients (amino acids, metabolites, enzymes, and proteins) required to build a microbial cell. Added to the silage mass, Dyna-Sile is readily consumed by the native bacteria causing rapid growth of microbial populations that both accelerate positive primary fermentation and control negative secondary fermentation.



### Benefits:

1. Accelerates and controls the silage fermentation process.
2. Rapid pH drop in the silage mass.
3. Builds higher concentrations of Lactic acid faster than any "live" inoculant on the market.
4. Controls the ensiling temperature.
5. Maximizes nutrient preservation.
6. Minimizes dry matter loss.
7. Maximizes aerobic stability (bunk life).
8. Superior palatability and increased dry matter intake increases production of meat and/or milk per pound of silage fed.
9. Non-toxic and will store for up to 3 years under cool, dry conditions.
10. Economical use and easy to apply.



# Dyna-Sile

**KeyAg**  
DISTRIBUTORS



# Dyna-Sile

**Improved Silage  
Through Fermentation  
Technology**

**KeyAg**  
DISTRIBUTORS

Key Ag Distributors  
3425 N 4525 E  
Murtaugh ID 83344

Phone: 208-432-6602  
Fax: 208-432-6605  
E-mail: [info@keyag.com](mailto:info@keyag.com)

## How Does Dyna-Sile Work?

Plant material grown for silage is naturally “inoculated” with lactic acid producing bacteria in the field prior to harvest. Dyna-Sile accelerates the fermentation process by rapidly increasing the population of these beneficial bacteria. This gives Dyna-Sile a definite advantage over artificially introduced bacteria that are not well adapted to the environment and cannot effectively compete with the indigenous *Lactobacillus* bacteria.



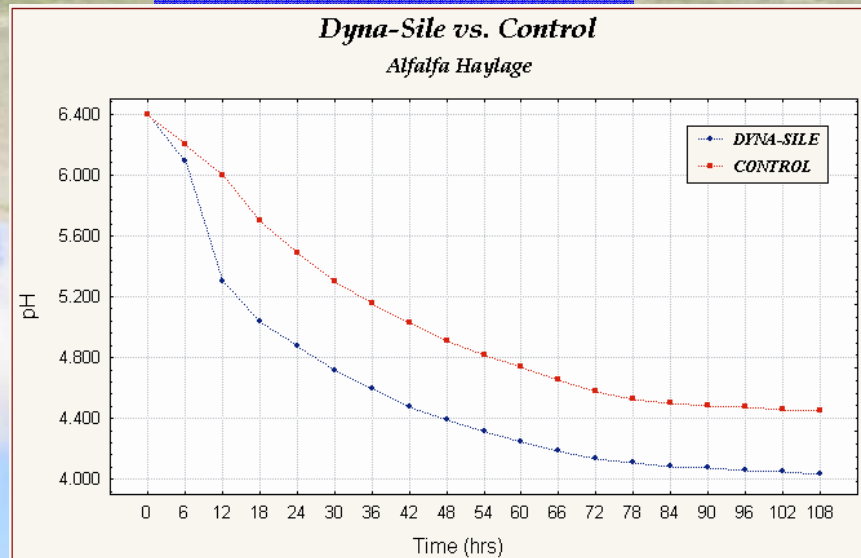
## Dyna-Sile is Proven By Research!

On-farm trials and research demonstrate that using Dyna-Sile increases the production of lactic acid in the silage mass and causes overall silage pH to decrease rapidly (see chart). Rapid acceleration of the lactic acid fermentation process is essential for the production of high quality silage.



## Why is Dyna-Sile Important?

Dyna-Sile accelerates the fermentation process. This results in rapid acidification of the silage which reduces dry matter losses. Rapid, controlled anaerobic fermentation reduces heat and nutrient degradation, controls the growth of undesirable organisms, such as molds that spoil silage, and builds high concentrations of lactic acid. Lactic acid is a “sweet” acid making the silage more palatable and it is very stable which increases bunk life. As a result, Dyna-Sile consistently produces exceptional silage quality.



## Application

For the most effective and economical application of Dyna-Sile, we recommend using the electronically controlled applicator supplied by KeyAg Distributors. The applicator is installed directly on the chopper and is operated as the forage is being harvested. There is no mixing, diluting, or packing water to the field. Simply fill the applicator tank or place a container of Dyna-Sile in the basket on the SHR-2 applicator and you are ready to harvest the silage crop.



Key Ag Distributors  
3425 N 4525 E  
Murtaugh ID 83344  
Phone: 208-432-6602  
Fax: 208-432-6605  
E-mail: [info@keyag.com](mailto:info@keyag.com)