



SI-LAC[®]

HAY FORTE



SI-LAC Hay Forte is a new generation, vacuum packed bacterial hay improver containing *Lactobacillus plantarum*, *Enterococcus faecium* and *Lactobacillus buchneri*

SI-LAC HAY FORTE BENEFITS

- Make hay with moisture up to 25%.
- Cost effective, gives great value for money.
- Reduces heating through reducing pH.
- Helps to maintain quality by retaining leaf.
- Enables earlier baling - helps beat the weather risk.
- Greener hay through faster curing and less bleaching.
- Helps to increase bale weight.
- Fresh growing bacteria accelerate the process, speeding pH reduction and consuming oxygen.
- Provides ultimate performance of high moisture hay especially when heating is an issue.
- When premixed at least 12 hours before use, bacteria are applied freshly growing for fast activity, and increase in numbers in the spray tank.

SI-LAC HAY FORTE ADVANTAGES

- Contains three types of bacteria:
 - ◊ *Enterococcus faecium*, which is critical to start early fermentation.
 - ◊ *Lactobacillus plantarum*, which accelerates fermentation.
 - ◊ *Lactobacillus buchneri*, which helps aerobic stability, limiting secondary fermentation (heating).
- Certified for use in organic systems.
- Increases in strength once mixed.
- Long tank mix life: 5 - 14 days.
- Low water usage.
- Will not foul tanks and nozzles - can pass 50 mesh screens.
- Vacuum packed in Tri-Layer Foil sachets for long shelf life and to maximise viability of bacteria.
- Does not require continuous refrigeration - store at 20 - 24°C or below.
- Use with small square bales, large squares, and round bales.

General Instructions

When used as directed, the bacteria in the Si-Lac Hay Forte spray mixture are delivered to the hay fresh and actively growing. This ensures the fastest possible growth of the bacteria and consequent pH drop. Si-Lac Hay Forte is suitable for use with all crops grown for hay.

Mixing

Add the contents of the sachet to sufficient water at least 12 hours before use. This will enable the bacteria to refresh and increase in strength in the spray tank. Warm water will speed the process. Make up to correct dilution in spray tank. Once mixed, the mixture is stable and can be used for at least 5 days.

Ultra and low volume applications using Grevillia Ag Air-Tech Applicator.

Round and square balers - Mix the 450g sachet in 15L of water and set flow meter setting to suit output as per chart provided.

Other applicators:

Calibrate the applicator to ensure correct application rates. This will depend on the nozzle output in mls/min, machine through put in tonnes/min and spray tank capacity. Add the contents of the sachets to sufficient water to treat the correct amount of hay.

Application

Apply the Si-Lac Hay Forte mixture to the hay as it is processed by the baler.

For high moisture hay, ensure that total moisture percentage is below 25%, measured accurately using a microwave test.

Spray nozzle placement:

Hay: Apply Si-Lac Hay Forte mixture to the hay above the rear of the pickup, ensuring even coverage of all hay. Ensure all hay bales are treated.

Not recommended: We do not recommend application of Si-Lac Hay Forte mixture through sprayers travelling ahead of the baler.

Storage

Si-Lac Hay Forte sachets are stable in the field for the day it is being used, however the product should be stored below 24°C at all times and where possible refrigerated. Long term storage requires refrigeration. DO NOT FREEZE. If part of a sachet is used, re-seal as tightly as possible and store in refrigerator until next use. DO NOT leave on dashboards or seats of vehicles in full sun and where significant heating occurs, as the bacteria will be killed.

Handling

Do not breath dust. Wash hands after contact. If sachet vacuum seal is broken, or sachet is swollen, do NOT use.

Active Ingredients

Lactobacillus plantarum, Lactobacillus buchneri and Enterococcus faecium cultures; proprietary food mixture.

Disclaimer

Because Grevillia Ag and Bacterial Fermentation Pty Ltd have no control over handling and storage of Si-Lac Hay Forte, no express or implied representations or warranty (other than non excludable warranties) are made. This product is sold on the condition that the buyer or user assumes all risks of handling and use of Si-Lac Hay Forte as well as the results obtained from its use.



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