

## FOR WET AND HARD-TO-ENSILE FORAGES

**BONSILAGE FORTE WS is developed specifically for all types of wet and hard-to-ensile forages in the lower dry matter ranges, which often exhibit high ash content with a high buffering capacity. BONSILAGE FORTE WS quickly lowers the pH, effectively inhibits clostridia growth and decreases the risk of butyric acid fermentation.**

### BONSILAGE FORTE WS

- » **Type:** Biological and water soluble silage additive
- » **Dosage:** At least 300,000 CFU/g fresh matter (FM) of forage
- » **Dry Matter Range of Crops:**  
Grass haylage, clover grass haylage, alfalfa haylage, small grain silage: 22-35% DM
- » **Strains:** Selected strains of homofermentative lactic acid bacteria
- » **Ingredients:** *Lactobacillus plantarum*, *Pediococcus acidilactici*, *Lactococcus lactis*, dextrose
- » **Active Substance:** Lactic acid bacteria not less than  $1.36 \times 10^{11}$  CFU/g product

### CHARACTERISTICS

- » *Lb. plantarum* and *Pc. acidilactici* quickly lower the pH level by producing lactic acid in the front-end fermentation cycle
- » *Lc. lactis* is known for its active clostridia inhibition to reduce the risk of butyric acid fermentation, thereby reducing proteolysis and thereby retaining more of the harvested forage protein
- » BONSILAGE FORTE WS converts damp, raw material into hygienically nutrient-rich forages with excellent palatability

**BONSILAGE FORTE WS is specially developed for all types of wet and hard-to-ensile grass, alfalfa and small grain silages in the lower dry matter range.**

### RESEARCH

We conduct extensive on-farm research and feeding trials to ensure the highest level of performance from BONSILAGE products. This study shows how the lactic acid bacteria (LAB) contained in BONSILAGE FORTE WS quickly inhibited the level of active clostridia in grass silage (first cut, 26-32% DM) and then kept the level relatively low for 90 days.

Clostridia counts after various silo ripening times



## BONSILAGE FORTE WS



## DIRECTIONS FOR USE

1. Fill remainder of bottle with cool, clean, non-chlorinated water and shake it well until the product is fully dissolved.
2. Pour solution into applicator.
3. Add water to achieve final concentration. Refer to mixing chart for correct volumes.

## APPLICATION & OUTPUT

- » Apply 2 g of BONSILAGE FORTE WS equally to 1 ton of fresh matter (FM) forage, based on individual application rate and type of available applicator
- » Avoid heating the solution during application (max. 90°F) to preserve the LAB, and allow them the best possible performance
- » Small can (200 g) will sufficiently treat 100 tons FM forage, large can (1 kg) will sufficiently treat 500 tons FM forage
- » Do NOT add acids, salts or other substances, as they could reduce the number of viable bacteria in the product

## STORAGE OF PRODUCT

- » Store unopened bottles in a cool, dry place away from direct sunlight
- » Use the entire bottle when opened
- » The prepared solution can be stored for up to 24 hours if kept below 70°F

BONSILAGE FORTE WS contains noble LAB strains that are preserved by the latest freeze-dried conservation technology. This allows all BONSILAGE products to be stored at room temperature, so freezer storage is NOT necessary. BONSILAGE FORTE WS comes in sealed plastic cans and has a 24-month shelf life from production date. Our sturdy packaging ensures high-quality protection against environmental influences and allows for convenient mixing with water.

### PLEASE NOTE:

BONSILAGE products are the most widely used silage inoculants in Europe. Our products contain living, specifically selected lactic acid bacteria (LAB) produced by Lactosan, which is a sister company to PROVITA SUPPLEMENTS and a leader in scientific selection and production of LAB for silage and probiotics in animal feed. Our access to such highly sought-after bacteria results in superior forage quality and feeding value.

BONSILAGE FORTE WS contains a balanced mix of highly active homofermentative lactic acid bacteria strains. With a well-managed ensiling process, accurate dosing and sufficient compaction of the forage, BONSILAGE FORTE WS can improve silage quality and reduce the risk of reheating. The target density for proper fermentation should be a minimum of 15 lbs DM/ft<sup>3</sup>. For complete fermentation, the silage should be stored a minimum of 3 weeks before start of feed out.