ALFALFA GRASS SMALL GRAIN

bonsilage FORTE 2.0 contains new strains specialized in clostridia inhibition. It 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 2.0 quickly lowers the pH, effectively inhibits clostridia growth and decreases the risk of butyric acid fermentation.

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, small grain silage: 22-35% DM,
Alfalfa haylage: 28-38% DM

STRAINS
Lactobacillus plantarum, Pediococcus acidilactici, Lactococcus lactis

COMPOSITION
Selected strains of homofermentative lactic acid bacteria, dextrose

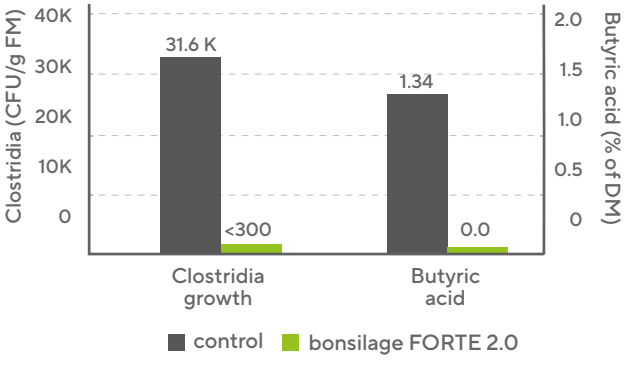
ACTIVE SUBSTANCE
Lactic acid bacteria not less than 1.36 x 10^{11} CFU/g product

- *Lb. plantarum* and *Pc. acidilactici* quickly lower the pH level by producing lactic acid in the front-end fermentation cycle.
- Selected new strains of *Lc. lactis* and *Lb. plantarum*, both specialized in clostridia inhibition, thereby reducing risk of butyric acid fermentation and proteolysis.
- **bonsilage FORTE 2.0** converts damp, raw material into hygienically nutrient-rich forages with excellent palatability.
- **bonsilage FORTE 2.0** 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 2.0 inhibited active clostridia in grass silage (23% DM, 12% Ash and 18% CP) and, consequently steer clear of butyric acid fermentation during 90 days of storage.

Clostridia counts and butyric acid concentration after 90 days of storage.



200 G
100 tons FM forage

1000 G
500 tons FM forage

DIRECTIONS FOR USE

1. Fill a bucket with clean, cold (below 60 °F), unchlorinated water. Use at minimum 1 gallon of water per can.
2. Add the bonsilage product into the mixing bucket.
3. Dissolve the product uniformly in the bucket.
4. Add water to achieve desired application volume.

APPLICATION & OUTPUT

» Apply 2 g of bonsilage FORTE 2.0 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 try to stay below 70°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 48 hours if kept below 70°F.

bonsilage FORTE 2.0 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 2.0 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.

FOR MORE INFORMATION

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PROVITA SUPPLEMENTS

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 2.0 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 2.0 can improve silage quality and reduce risk of butyric acid fermentation. The target density for proper fermentation should be a minimum of 15 lbs DM/ft^3. For complete fermentation, the silage should be stored a minimum of 3 weeks before start of feed out.