

# SOVEREIGN SOLUBLE POWDER

## DESCRIPTION

Sovereign improves the quality of all hays and silage resulting in a highly digestible, more palatable feed with greater nutrient value, and less spoilage. Stock achieve greater milk production and increased body weight gains due to higher protein and energy content.

These benefits can be achieved under a wider range of harvesting conditions, maximizing production time in less than ideal conditions and avoiding significant field losses from rain, or over-drying of hay.

## PRODUCT FEATURES

- Sovereign contains antioxidants that restrict growth of aerobic bacteria, moulds and fungi on forage, reducing spoilage and improving stock palatability and digestion.
- Sovereign contains enzymes that breakdown fibre and starches into simple sugars, providing food for lactic acid ensiling bacteria.
- Sovereign contains cobalt, which improves biological breakdown during the ensiling process and in the animals gut through conversion into vitamin B12.
- Concentrate powder requires no refrigeration and is non corrosive.
- Mixed solution remains at optimum for up to seven days (<30°C).
- Sovereign, when applied to fodder, is non toxic to animals including horses and has no withholding period.

## APPLICATION RATES

USE	FODDER MOISTURE CONTENT	PRODUCT RATE
Hay	Less than 25%	25g/t (1 kg Jar / 40t)
	Between 25-28%	33g/t (1 kg Jar / 30t)
	More than 28%	Not Recommended
Silage	More than 50%	10g/t (1 kg Jar / 100t)
	Less than 50%	20g/t (1 kg Jar / 50t)

**NOTE: Extra caution must be taken with residual stem moisture when baling big squares and/or using high density balers. Always ensure moisture levels are stable, and if in doubt, do not exceed 25% moisture content.**

## APPLICATION

Sovereign should be applied through a suitably calibrated applicator, fitted to a bale pickup or forage harvester. Water rates can be varied to suit calibration and conditions.

Sovereign, in solution with water, can be stored in applicator tank for up to 7 days in normal conditions and used when required. Do not exceed 30C ambient temperatures. If possible store in shade.

Unused product can be stored for twelve month if sealed in original packaging. Store in cool dry place.

## ACTIVE INGREDIENTS

- Dried Trichoderma Longibrachiatum fermentation extract
- Dried Aspergillus Niger fermentation extract
- Dried Bacillus Subtillis fermentation extract
- Sodium Erythorbate
- Erythorbic Acid
- Sodium Benzoate
- Cobalt Soluble Salt

## PRODUCT CHARACTERISTICS

<b>COLOUR</b>	Clear Red	(as solution)
<b>S.G.</b>	1.06	
<b>pH</b>	5.2	(as solution)

## OTHER APPLICATION

- Sovereign soluble powder must be mixed water before application. Mixed solution must be applied with suitable application equipment to give adequate coverage.
- Application rates between 200ml - 3 litres of mixed solution per tonne of hay or silage.
- Allow 5 to 10 minutes for Sovereign soluble powder to fully dissolve in water before applying.

## SIZES

Sovereign Soluble Powder is available in two sizes:

- 4 x 1 Kg jars /carton.
- 4 x 4kg jars / carton Contractors pack