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# Beta-Stim Specification



Beta-Stim is a natural betaine source extracted from sugar beet molasses, used as a feed additive in poultry, swine, ruminant and aqua diets, as a methyl donor to support metabolism and for its osmotic ability. Beta-Stim liquid is an aqueous liquid of betaine, sugars, salts and other sugar beet origin compounds.

## Application

Beta-Stim is an efficient methyl donor and effective osmoregulator and can be used for the following functions:

- To spare choline and reduce the inclusion of methionine
- As an osmoregulator to reduce the effects of stress situations, e.g. heat stress, transition of fish from fresh to saltwater
- Preserve gut integrity
- Improve carcass quality
- Attractant for fish and shrimp

## Description

Characteristic: Free-flowing brown liquid

Guaranteed betaine: Min 32%

Storage: 2 years from manufacturing date

Stability: Beta-Stim will remain liquid until -30° C. Stable in pelleting and extrusion process.

<b>Species</b>	<b>Typical use rates.</b>
Poultry	0.3-6 kg per tonne (0.6-13.2 lb/ton) of complete feed
Pigs	0.3-6 kg per tonne (0.6-13.2 lb/ton) of complete feed
Dairy Cows	30-150 g (1.05-5.28 oz) per head per day, depending on milk production levels
Calves	15-150 g (0.54-5.28 oz) per head per day, depending on feed intake
Sheep	12-18 g (0.42-0.6 oz) per head per day
Horses	30-60g (1.05 -2.1oz) per head per day
Fresh water and marine fish	3-30 kg per tonne (6.6-66 lb/ton) of complete feed
Crustaceans	3-45kg per tonne (6.6-99 lb/ton) of complete feed
Goat	6-30 g (0.21-1.05 oz) per head per day

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