

Distillers dried grains with soluble (DDGS)



Product description

Distillers dried grains with soluble (DDGS) is the dried residue remaining after the starch fraction of maize is fermented with yeasts to produce ethanol. Following fermentation, the ethanol is removed by distillation and the remaining fermentation residues are dried.

Features and benefits

- All of the components found in maize are present in DDGS, with the exception of starch, but at approximately three times greater concentrations.
- DDGS is high in protein (28% of dry matter (DM)) of which 55% is rumen by-pass.
- The high energy level of DDGS is derived predominantly from fibre and fat and does not cause any risk of developing acidosis.
- DDGS contains dried yeast cells from the distillery process that provides B-vitamins and an excellent palatability.

- Compared to non-corn based DDGS, US maize DDGS has a higher energy value and total digestible nutrient value. The protein level of maize DDGS is marginally lower where its by-pass portion is significantly higher.
- DDGS is a good source of readily available low cost organic phosphorus.
- The low lignen and high digestibility means the energy provided for a high fibre diet by DDGS is similar to that of corn.

Use and application

The benefits of DDGS are best captured in a balanced feed ration. Inclusion rates depend upon achieving a nutritional balance, but typically up to 20% of daily DM-intake will maximise performance. DDGS can be fed mixed with silage in the paddock or on the feed pad.

Consult your nutritionist or farm consultant to determine the optimal inclusion level for your particular situation.

Typical analysis

Crude protein	28%
Metabolisable energy (ME)	13MJ/kg/DM
Moisture	11%
Crude fibre	5.5%
Crude fat	9%
Ash	4.5%
NDF	30%
Neutral detergent fibre (NDF)	0.18%

note: typical analysis only, not specification.

