



**OILSEED PRODUCTS N.Z. LTD**

## PRODUCT DATA SHEET

### DDG-S

#### DRIED DISTILLERS GRAINS WITH SOLUBLES



#### Product Description

A coarse brown coloured free flowing granular powder with a pleasant fermented odour.

The product is the dried residue remaining after grain starches have been fermented in the process of producing bio ethanol in combination with yeasts and enzymes.

It is an excellent source of digestible protein and energy for cattle that is rich in cereal and residual yeast protein, minerals and vitamins.

The product is non GMO complying with FSANZ Standard A1.5.2. It meets FSANZ Standard A1.4.2 for maximum pesticide residue limits.

It is manufactured by the Manildra Group at their bio ethanol production facility on their starch plant in Nowra, N.S.W., Australia.

#### Protein and Energy

DDG-S contain about 20-25 percent protein of which about 55 percent is rumen undergradable (bypass). This effectively means increased utilisation of protein which increases milk production.

DDG-S contain higher levels of metabolisable energy than almost all other dry feedstuffs. Research has shown that even small increases in ME levels result in significant production increases in high milk producing dairy cows.

#### Product Features / Unique Benefits

- Originates from Australian origin GMO free wheat.
- Distiller process concentrates grain protein 300 percent and fat 230 percent.
- Starch removal reduces the potential for this high energy product to cause acidosis.
- Yeast fermentation results in the product containing dried yeast cells that provide B vitamins that could aid feed consumption.
- Excellent palatability due to yeast fermentation flavours.
- Highly digestible fibre being only around 33 percent NDF which results in increased nutrition, energy, and stimulates rumen micro-organisms that improve fibre digestion.
- Exclusive supply from one production facility ensures product consistency.
- Manildra's unique production process that captures more residual carbohydrates and higher soluble proteins.

#### Feeding Levels

Every environment is unique, but it is recommended that a maximum of 20 percent of the total ration dry matter be fed.

This equates to a maximum of 4 – 5 Kgs per cow daily, but due to excellent product performance, lower inclusion levels of 2 – 3 Kgs still produce good results when fed for most lactating cows.

#### Feeding Method

Can be mixed with silage and other feeds in the paddock or on a feed pad.

Due to its free flowing nature, it is able to be fed via a grain feeding system in the dairy shed.

Being highly palatable, DDG-S are best fed in an environment where intakes can be controlled.

#### Storage

Like all feedstuffs, DDG-S should be stored dry in bulk bins or placed on concrete pads, covered and protected from the weather.

#### SUITABLE FOR FEEDING TO LACTATING DAIRY COWS AND GOATS

For Product availability and price, contact:

**0800 OSP FEED (0800 677 333)**  
**info@oilseedproducts.co.nz**

#### Typical Analysis (DM Basis)

Dry Matter	92%
Crude Protein	20 - 25%
Moisture	8%
Neutral Detergent Fibre	33%
Acid Detergent Fibre	19%
Crude Fat	5%
Ash	7%
Metabolisable Energy	12.7 mj/kgm