



# OILSEED PRODUCTS N.Z. LTD

## PRODUCT DATA SHEET



### DDG-S Wheat Pellet

#### Product Description

A darker brown coloured pellet with pleasant fermented odour. Pellet size is 6mm.

The product does not contain any genetically modified organisms.

DDG-S Wheat Pellets are a combination of Manildra's unique wheat derived DDG-s plus the addition of some of their wheat starch to boost overall starch levels in the product.

Produced at a new purpose-built pelletising plant at Manildra's wheat processing facility at Nowra, N.S.W., Australia. The site processes non-GMO Australian wheat into flour, gluten, starches, glucose and ultimately bio-ethanol.

#### Protein and Energy

DDG-S Wheat Pellets contain about 20 – 25 percent crude protein of which 25 percent is

Soluble and about 55 percent is estimated to be rumen undegradable (bypass).

DDG-S Wheat Pellets contain high levels of metabolisable energy being in excess of 13 megajoules per kilogram of dry matter. Most importantly the metabolisable energy is derived from good fermentable sources such as starches, sugars including glucose, and other forms of water soluble carbohydrates with only a modest and manageable contribution coming from fat.

#### Protein Features/Unique Benefits

- Originates entirely from Australian origin non-GMO wheat.
- Wheat starch is added into the pellet before palletisation.
- Yeast is used in the fermentation of the wheat product and some of the dead and dried yeast cells provide excellent protein plus some B Group vitamins which are beneficial to production.
- Excellent palatability due to yeast fermentation and "brewery" flavours and odours.
- Residual fat is of a level and in a form that is not disruptive to rumen function and may potentially be beneficial to rumen stability and milk fat production.
- Highly digestible fibre at around 30 percent NDF with relatively low ADF at around 14 percent results in good availability of acetate to stimulate rumen micro-organisms and encouraging production.
- Exclusive supply from once production facility ensures product consistency.
- Manildra's production process is unique as it captures high levels of fermentable carbohydrate products such as complex sugars and volatile products such as complex sugars, volatile fatty acids and glycerol which are all important compounds for the feeding of the microbial population in the rumen.
- The addition of macro and microminerals is possible.



#### Feeding Levels

While the usual care and adaptation practices must be followed, the product is well balanced and should not present challenges when fed in a controlled environment.

It is recommended that independent advice is considered when feeding supplements.

Feeding levels of 2 – 3 kg per cow per day should be considered acceptable while levels of 4 – 5 kg should not present any problems, although it is best advised to gradually increase to these levels.

#### Feeding Method

Ideal for in-shed feeding systems either on its own or mixed with other higher carbohydrate pellets such as Hi Starch Wheat Pellets.

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

#### Storage

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

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

#### Typical Analysis (DM Basis)

Dry Matter	89 percent
Crude Protein	20-25 percent
Neutral Detergent Fibre	30 percent
Acid Detergent Fibre	14 percent
Crude Fat	7 percent
Starch	13 percent
Water Soluble Carbohydrates	12 percent
Metabolisable Energy	13 mj/kgm

For Product availability and price, contact: