

Protein and energy for maximum performance

The protein and energy in MSM Stockfeeds' Beef Grain Optimiser products comes primarily from our expeller-pressed MSM Canola Meal.

MSM's unique expeller pressing produces a meal which is high in both bypass protein (or Rumen Undegradable Protein – RUP) and amino acid (protein) availability.

Bypass protein (RUP) is known to help optimise milk and meat production in ruminants.

MSM Canola Meal has over 45% bypass protein as a percentage of crude protein (CP). Typical bypass protein levels for canola meal range from 35-40%.

Reactive lysine levels exceeding 90% ensure high protein utilisation throughout the digestive tract.

The metabolisable energy (ME) of our MSM Canola Meal is also high as a result of the residual oil and sugars retained in the meal by expeller pressing.

ME typically ranges between 13 and 14 megajoules per kilogram of dry matter.

MSM Stockfeeds' Beef Grain Optimiser products have been formulated by leading animal nutritionists to provide a balance of protein and energy, as well as inherent and added vitamins and organic minerals, to optimise meat production and maintain animal health.

About MSM Stockfeeds

MSM Stockfeeds produces quality, trusted feeds using locally sourced, non-GM oilseeds and grains processed in-house by MSM Milling in Manildra. As well as our Beef Grain Optimiser products, MSM Stockfeeds produces supplements and custom feeds in pellet form or as a mash for a variety of livestock and feeding situations. MSM Stockfeeds is a Feedsafe Accredited Feed Manufacturer.

Contact us

For product enquiries, information about the MSM Stockfeeds range, or to talk about custom blends, please contact:

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MSM Stockfeeds



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MSM Stockfeeds



BEEF GRAIN OPTIMISER

FORMULATED FOR PERFORMANCE



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MSM Stockfeeds' Beef Range includes: • Beef Grain Optimiser • Custom Rations

Description

- 5mm pellets with pleasant, fermented odour
- Bulk density 600kg/m³
- Designed for feeding to all types of cattle
- Nutritionally balanced, concentrated pellets for combining with grain and other high-starch feeds
- Made with high quality, non-GM, expeller-pressed **MSM Canola Meal**
 - High bypass protein (RUP) levels mean more protein available for production
 - High reactive lysine levels ensure high protein availability
 - Great source of quality, plant-based protein
 - Other ingredients include: mill run, condensed distillers syrup (CDS), molasses, vitamins and minerals, acid buffer to aid in maintaining a stable rumen pH
- Added minerals can be supplied as formulated by MSM nutritionist, or we can incorporate your advisor's recommended mineral pack
- **Bovatec™ (Lasalocid Sodium)** is an ionophore. Ionophores regulate ruminal microbial metabolism and act as an anti-coccidial in cattle. Bovatec can improve liveweight gains through improved feed conversion efficiency. It is highly palatable and has an excellent safety margin
- Withholding periods Sheep, Meat & Milk Cattle: NIL
 - Sheep : do not use in lactating ewes where milk or milk products may be used for human consumption
 - Do not feed to horses, dogs or other equines. This product may be fatal if fed to horses or other equids
 - Non-Bovatec variant available for HGP-free producers
 - Also available with Rumensin

Advantages

- Take advantage of on farm or local grain supplies to mix with **MSM Stockfeeds' Beef Grain Optimiser Pellets** to create a cost effective complete ration
- **Beef Grain Optimiser Pellets** maximise the feeding potential of on farm grain supplies
- Lower cost ration when compared to complete pellet rations
- Simple single source of supplementary protein, minerals, vitamins and additives in one simple pellet
- **MSM Stockfeeds' Beef Grain Optimiser Pellets** are an ideal substitute for liquid feeding
- Less waste as there are no fines for cattle to sift through
- Hassle free feeding
- **MSM Stockfeeds** can produce a wide range of **custom feeds** in pellet or mash form to suit every feedlot requirement
- Utilising MSM's unique Canola Meal and the Manildra Group's Mill Run, **MSM Stockfeeds** is ideally placed to produce custom rations for your feeding requirements

Beef Protein Supplement Typical analysis (DM basis)

Metabolisable Energy	11.7MJ/kg
Crude Protein	23.1%
Neutral Detergent Fibre	34.6%
Crude Fat.....	5.7%
Starch	11.4%
Moisture.....	12.6%
Calcium.....	2.17%
Magnesium	0.61%
Phosphorous	0.90%
Sodium	0.61%
Chloride.....	0.65%
Potassium	1.28%
Bovatec (20% Lasalocid Sodium - 87mg/kg)	435mg/kg

Feeding recommendations

MSM Stockfeeds' Beef Grain Optimiser Pellets are formulated to be combined with a high-starch feed such as whole grain or other high starch feeds. Adjust the ratio of **Beef Grain Optimiser** from between 35-45% of the ration to suit the class of cattle being fed. High starch grains will make up the balance 55-65%.

Pasture, grazing crops or supplemented roughage (hay or silage) is assumed to represent a minimum of 30% of total dry matter intake.

MSM Stockfeeds' Beef Grain Optimiser Pellets are formulated to be part of a total ration for either feedlot or grass-based feeding systems.

Cattle should be introduced to mixed rations gradually, over a two-week period, starting from 10% of maximum intake. Do not introduce the mixed ration until all cattle are eating roughage.

Feeding method

The **MSM Stockfeeds' Beef Grain Optimiser Pellets** and grain ration is best fed through lick feeders. Ensure cattle have access to fresh, clean drinking water.

Storage

Protect stored pellets from weather, birds and rodents.