

Protein and energy for maximum performance

The protein and energy in **MSM Stockfeeds' Beef Export Ration** 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 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 total 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 Export Ration has been formulated by leading animal nutritionists to ensure cattle being exported from Australia receive a balanced diet comprising energy, protein, starch, fibre and essential nutrients, and arrive at their destination in optimum condition.

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 Export Ration**, 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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BEEF EXPORT RATION

FORMULATED FOR PERFORMANCE



Product description

- 12mm pellet with pleasant, fermented odour
- Bulk density 485kg/m³
- Nutritionally balanced ration ensures cattle being exported from Australia arrive at their destination in optimum condition
- Ingredients include **MSM Canola Meal**, mill run and barley, plus molasses and condensed distillers syrup for high palatability
- Whole oat hulls are used to provide a quality roughage source
- 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

- Made with high quality, non-GM, expeller-pressed **MSM Canola Meal**
- Source of quality, plant-based protein
- Formulated by leading animal nutritionists
- Base minerals included ensure animals receive balanced nutrition for short voyages
- Added minerals can be supplied as formulated by MSM nutritionist, or we can incorporate your advisor's recommended mineral pack
- Rumen modifier and acid buffers added to prevent acidosis in grass and pasture-fed cattle that have had a limited transition period
- Oat hulls provide a roughage source to minimise rapid changes in rumen metabolism when range-bred cattle transition to a fully fed ration
- Correct combination of energy, protein, starch, essential nutrients and fibre maintains good health while encouraging adequate water intake

Typical analysis (DM basis)

| | |
|---|-----------|
| Metabolisable Energy | 10.4MJ/kg |
| Crude Protein | 12.7% |
| Neutral Detergent Fibre | 49.0% |
| Crude Fat..... | 3.2% |
| Starch | 18.6% |
| Moisture..... | 12.6% |
| Calcium..... | 0.88% |
| Magnesium | 0.39% |
| Phosphorous | 0.61% |
| Sodium | 0.29% |
| Chloride..... | 0.40% |
| Potassium | 1.21% |
| Bovatec (20% Lasalocid Sodium - 45.8mg/kg)..... | 200mg/kg |



Feeding recommendations

MSM Beef Export Ration pellets have been formulated to ensure cattle being exported from Australia receive a fully balanced diet. The pellets are designed to sustain cattle for short-duration voyages on export ships.

MSM Beef Export Ration pellets should be fed at a rate of approximately 4% of bodyweight/day on a dry matter (DM) basis.

Feeding method

The ration has been designed for feeding via on-board feeding systems. Ensure cattle always have unlimited access to fresh, clean drinking water.

Storage

Like all feedstuffs, **MSM Beef Export Ration** pellets should be kept dry and stored under cover, protected from moisture, birds and rodents.