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CANOLA MEAL FERTILISER



Natural organic nitrogen source for nutrient programs & healthier soils

CANOLA MEAL FERTILISER

Product Overview

Aus Oils Kojonup's mechanically pressed canola meal is a natural, chemical-free co-product of canola oil production. Designed to complement synthetic fertilisers (e.g. urea) and organic inputs (chicken manure), canola meal delivers **slow-release nitrogen, organic carbon, and enhanced soil microbe biology uplifts**, which improve nutrient efficiency and long-term soil performance. Essential plant proteins, minerals and oil (11-12% natural oil) are delivered to the soil to optimise soil microbiology and improve plant growth.

Typical Nutrient Profile

| Parameter | Typical range |
|----------------|---------------|
| Nitrogen (N) | 5.5-7.0 % |
| Phosphorus (P) | 1.0-1.3% |
| Potassium (K) | 1.0-1.5% |
| Organic matter | 70.0-80.0% |
| C:N ratio | 6.0-8.0 |
| Residual oil | 11.0-12.0% |

THE FUNCTIONAL BENEFITS OF LOCALLY PRODUCED CANOLA MEAL

Complements Synthetic Fertilisers

- Delivers slow-release nitrogen that aligns with crop demand.
- Enhances nitrogen-use efficiency when used with urea or chicken manure.
- Reduces volatilisation and leaching losses with synthetic fertilisers.
- Supports more consistent crop nutrient uptake.

Improves Soil Health

- Stimulates and improves microbial activity and nutrient cycling.
- Enhances soil organic carbon and structure.
- Improves moisture retention and root development.

Consistent Nutrient Profile

- Consistent, traceable nutrient profile.
- Chemical-free production process.
- Suppresses soil-borne pathogens with natural bio-fumigation compounds.

Supports Low-Carbon Farming

- Lower embedded emissions vs synthetic fertilisers.
- Aligns with regenerative and sustainable farming systems.

Applications and Use

1) Broadacre cropping

- Typical rate: 300-700 kg/hectare.
- Partial nitrogen replacement (20-50% of N program).

2) Pasture systems

- Typical rate: 300-800 kg/hectare.
- Improved pasture growth, soil profile and soil microbiota composition.

3) Horticulture

- Typical rate: 1-2 MT/hectare.
- Optimal organic fertiliser source for high-value crops requiring soil health focus.

4) Fertiliser Blends / Composting

- Used as a nitrogen-rich organic input in blends and compost systems.

SUSTAINABLE BY NATURE

Produced from 100% Western Australian canola, Aus Oils Kojonup canola meal supports:

1. Long-term soil health and sustainability.
2. Local agriculture enterprises.
3. Circular economy outcomes.

| Attribute | Canola meal | Urea | Chicken manure |
|-------------------------|-------------------|------------------------|-----------------|
| Nitrogen release | Slow & controlled | Fast, higher loss risk | Variable |
| Consistency | High | High | Variable |
| Soil carbon benefits | High | None | Moderate |
| Odour | Low | Low | High |
| Carbon footprint | Low | High | Moderate-to-low |
| Soil oil microbe source | Yes | No | No |

Handling and Storage

Store in dry, covered conditions
Suitable for bulk handling or blending

