

Energy: blood stream absorbed energy circulates through the glandular system improving hormonal release improving fertility and finally ending up in the muscle, boosting body condition.

PFMA Plus HDC-060 product specification – kiu, mg and % per kg.

Vitamin A.	378.4 kiu		
Vitamin D3.	75.6 kiu		
Vitamin E.	1783.8 mg		
Biotin.	108.1 mg (optional inclusion)		
Sulphur.	2.7%.	Cobalt/Iodine.	64.8/43.2 mg
Magnesium.	8.1%.	Manganese.	1621.6 mg
Phosphorus.	4.3%.	Zinc.	3783.8 mg
Calcium.	11.9%.	Copper.	1081 mg
Salt.	13.5.0%.	Selenium.	32.4 mg

NB: Feed only to DAIRY and BEEF cattle, and DO NOT FEED with any other vitamin/mineral supplements.

Warning: exercise caution by not feeding to cattle that are copper sufficient and/or to cattle that may have been grazing alkaloid bearing plants (Ragwort, Heliotrope, Patersons Curse) which can cause liver damage. **If in any doubt contact the supplier.**

For further information about how **PFMA Plus new generation loose nutrient mixes** will help improve your livestock health and production please contact:

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Liability: PFMA Plus products – containing options of complex mineralised, vitamin, protein and energy enriched all weather loose ruminant nutrient feed supplements/licks (the product/s) have been professionally formulated and blended together using quality ingredients under a quality endorsed manufacturing process and the product/s should only be used in accordance with the feeding/mixing rates as shown on the products label.

The use of the product/s being beyond the control of the seller/manufacturer; no liability, warranties, statutory or otherwise expressed or implied and, no responsibility will be accepted for any damage or losses whatsoever arising from its application or usage.

PFMA Plus – Grazing dairy Heifer and dry Cow all weather loose ruminant nutrient mix

To meet the challenges of an unpredictable climate, producers need to be clear minded and objective about how to remedy prevailing factors that impact on optimum farm animal production.

PFMA Plus technologically advanced complex all weather loose nutrient mixes have been formulated to incorporate the latest feed science nutritional findings to remedy metabolic deficiencies in ruminant dietary intake. Necessarily, these new generation products are not only cost effective, but easy logistical management simplifies feeding.

The daily physical demands dairy cows face by having to negotiate over hard surfaces while supporting heavy body weight on a relatively small foot stamp, requires that certain dietary metabolic elements be provided from an early stage of growth to reduce lameness.

PFMA Plus HDC-060 is a specifically formulated all weather loose nutrient mix that provides the required metabolic elements: to ensure growing replacement dairy heifers form strong boned frames and hoof keratin structure, with sound body condition, health, and an active reproductive system.

Recommended Feeding:

- Provide continual free access in clean tubs with a bottom drainage hole.
- Fill each tub with a 25 kg bag of the selected **PFMA Plus** all weather loose mineral mix and space the tubs well apart away from water, allowing **one tub with per 30 head of cattle**.
- Replenish the loose nutrient mix as required, ensuring the tubs do not become empty.

Normal intake:

- Growing weaned dairy (ruminant) pasture grazing calves from 90 kg LW – 50 to 100 gm per dose.
- Dry cows from 100 – 200 gm per dose.

Producers may observe the cattle consuming greater quantities of the LNM at times, followed by some days of non consumption. Do not be concerned as the animals have an innate ability to self regulate their metabolic intake. As a general rule, their average intake is as shown above.

Whilst **PFMA Plus** all weather loose nutrient mixes will positively benefit grazing animals as described, they are not full feeds and should not be treated as such. Subject to the forage matter, supplementation with grain and/or legume/cereal based hay as required will further assist increased animal production.

HDC-060 Heifer and dry cow nutrient mix: Protecting your livestock investment and leading to a productive future.

Vitamins are linked to the metabolism and absorption of minerals:

Vitamin A: is important for healthy mucous membranes and reproduction.

Vitamin D: helps with calcium and phosphorus absorption into the skeletal structure.

Vitamin E: acts as a biological antioxidant and a free radical scavenger in the immune system increasing disease resistance. Vitamin E and Selenium are inter-related and help prevent muscular dystrophy.

Biotin: improves hoof keratin resilience and health, reducing foot problems.

Macro minerals:

Calcium and phosphorus: are essential components of strong bone structure development and act as catalysts to body function enzyme systems

Magnesium: activates enzymes to metabolise carbohydrates and proteins - essential for functioning of the muscular and nerve systems.

Sulphur: a component of methionine/cystine and some B-group vitamins, and is required by ruminal micro-organisms for their growth and normal cellular metabolism.

Salt: provides for the function of the nerve and muscular systems. Sodium/Chloride helps regulate body pH and fluid retention.

Micro minerals:

Cobalt: is a component of Vitamin B12.

Iodine: essential for normal function of the thyroid glands that regulate energy metabolism.

Manganese: prevents foetal skeletal and tendon problems in ruminants, it is required for normal reproduction

Zinc: an essential component for many enzymes and is important for the immune system and reproduction, skin and hoof health.

Copper: is an essential component for many enzymes systems to produce efficient healthy growth.

Selenium: has anti-oxidant functions and an inter relationship with Vitamin E increasing immune competency. Prevents muscular dystrophy