



Australian Pesticides &
Veterinary Medicines Authority

Product Name: Vetmec Multi Plus B12 Vitamin and Mineral Injection For Beef Cattle
APVMA Approval No: 95055/144564

Label Name:	Vetmec Multi Plus B12 Vitamin and Mineral Injection For Beef Cattle
Signal Headings:	POISON KEEP OUT OF REACH OF CHILDREN FOR ANIMAL TREATMENT ONLY READ SAFETY DIRECTIONS BEFORE OPENING OR USING
Constituent Statements:	40 g/L ZINC AS DISODIUM ZINC EDTA 15 g/L COPPER AS DISODIUM COPPER EDTA 5.0 g/L SELENIUM AS SODIUM SELENATE 2.0 g/L CYANOCOBALAMIN
Claims:	Chelated trace element injection for beef cattle. VETMEC MULTI MINERAL AND VITAMIN INJECTION contains selenium, copper, zinc, and vitamin B12, which are required for optimal health, production and fertility. Sub-optimal trace mineral and vitamin B12 status at calving, mating and drying off has been shown to negatively impact production, reproduction and health. Optimising trace element status relying solely on oral supplements may fail as a result of variation in individual intake and reduced absorption because of antagonism of other ration components and minerals to these essential trace elements. Using an injectable supplement can improve trace mineral and vitamin B12 status at these critical times, promoting a healthy immune system, which is important in resisting disease, and has a positive impact on reproduction. Selenium has a role in: Preventing oxidative stress or oxidative damage, Disease resistance, Muscle function, Reproduction / fertility, Spermatogenesis, Embryo survival, Placental retention. Zinc has a role in: Cell division, Maintaining the integrity of skin and mucous membranes, hair and hooves and in wound healing, Lung function, Bone and cartilage development, Disease resistance, Reproduction / fertility, Spermatogenesis, Placental retention, Udder function. Copper has a role in: Iron metabolism, Bone development, Maintenance of elastic connective tissue, Blood formation, Disease resistance, Reproduction / fertility, Placental retention. Vitamin B12 has a role in: Energy metabolism, DNA synthesis, Red blood cell production, Nervous system function, Reproduction / fertility.

Net Contents:	500 mL
Directions for Use:	
Restraints:	Re-treatment interval: DO NOT RE-TREAT cattle for 8 weeks after last treatment.
Contraindications:	This product is contraindicated for use when selenium intake from pasture is high or selenium is provided by other means (such as top dressing, vaccine, pellets or selenium drenches) or if blood selenium levels at treatment are high. Excessive copper is toxic. This product is contraindicated for use unless copper deficiency is confirmed. To determine selenium and/or copper status, users are advised to consult their veterinarian. This product is contraindicated for use in animals that are dehydrated or unwell.
Precautions:	Do not administer to severely debilitated cattle or stressed animals. Do not administer to cattle suffering from liver disease. Do not treat thirsty or exhausted cattle. Allow cattle access to water after treatment. Minerals such as copper, cobalt, selenium, iron, manganese and molybdenum compete with each other for metabolically important processes in the animal. Users should seek veterinary advice before treatment.
Side Effects:	Cattle may show slight discomfort on injection. A transient local swelling may be observed at the site of injection.
Dosage and Administration:	Use the contents within 6 months of first broaching the container. Discard the unused portion. Administer to cattle by subcutaneous injection. Beef Cattle: Animal Age / Injection dose rate Up to 1 year / 1 mL/50 kg From 1 – 2 years / 1 mL/75 kg Over 2 years / 1 mL/100 kg Suggested Supplementation program: Bulls: 3 months before joining, At joining Beef cows: 4 weeks before mating, 4 weeks before calving Calves: At marking, At weaning Heifers: Every 3 months, 4 weeks before mating Additional: Every 2 months in wet conditions Check the accuracy of the applicator before and during treatment. Treatment frequency depends on the nutrient status of your herd. Consult your veterinarian or animal health advisor for supplementation advice specific to your situation.
General Directions:	This product must not be applied at a rate greater than the amount shown on the label. It is important that cattle are dosed accurately according to their individual body weights.

	Caution: Avoid carcass damage. 1. Sterilise all injection apparatus by boiling (or equivalent) before use. Avoid use of strong disinfectants on apparatus. 2. Maintain cleanliness at all times. 3. Keep needles sharp and clean. Replace frequently. 4. Use shortest needle possible, certainly not exceeding 15 mm. 5. As far as possible, avoid injection of cattle during wet weather or under dusty conditions. 6. This product should be injected only under the skin. 7. If possible inject high on the neck behind the ear. STERILE DRAW OFF ASSEMBLY Instructions for use with automatic injection equipment: 1. Use sterile equipment. 2. Remove draw-off tube from its protective packaging. Connect open end of draw-off tube firmly to the injector. 3. Hold bottle upright. Remove protective cap from bottle and disinfect rubber stopper. Fully insert draw-off needle into centre of rubber stopper. Secure screw on cap of draw-off assembly firmly to the bottle. 4. Gently prime the injector to expel any air. Equipment is now ready for use. 5. After use, remove draw-off assembly from pack and flush entire injecting apparatus with water before storing. 6. Replace cap. 7. If the draw-off tube is to be used again, it should also be sterilised by boiling for 15-20 minutes before use along with the injector and needles. RESEALING INSTRUCTIONS A partially used pack can be stored and used for up to 6 months after first opening if the following steps are taken: 1. Unscrew the delivery tube from the partially used pack. 2. Empty the delivery tube and injector by depressing the plunger several times. 3. Disinfect the rubber stopper with a suitable antiseptic, eg. methylated spirits. 4. Store the container in the original carton and follow the storage conditions shown on the pack. (Protect from light and avoid exposure to temperatures over 30 °C) 5. On each subsequent reuse (up to 2 times), disinfect the stopper before and after using. 6. Use a sterile draw-off and injector each time.
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Withholding Periods:	MEAT: Zero (0) days. MILK: Zero (0) days.
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Trade Advice:	EXPORT SLAUGHTER INTERVAL (ESI): Zero (0) days. Before using this product, confirm the current ESI from the registrant on 1800 808 691 or the APVMA website (www.apvma.gov.au/residues)
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Safety Directions:	May irritate the eyes and skin. Avoid contact with eyes and skin. If product in eyes, wash it out immediately with water. Wash hands after use.
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First Aid Instructions:	If poisoning occurs, contact a doctor or Poisons Information Centre. Phone Australia 13 11 26.
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First Aid Warnings:	
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Additional User Safety:	Additional information is listed in the Safety Data Sheet (SDS). While product is well tolerated in cattle, there is a risk of injury to humans associated with accidental self-injection. Care should be taken to avoid needle stick injury when injecting this product.
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Environmental Statements:	
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Disposal:	Dispose of container and packaging by wrapping with paper and putting in garbage. Discarded needles/sharps should immediately be placed in a designated and appropriately labelled 'sharps' container.
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Storage:	Store below 30 °C (room temperature) in original container, in a dry place. Protect from light. Keep container well closed.
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