

## **SUMMARY OF PRODUCT CHARACTERISTICS**

### **1. NAME OF THE VETERINARY MEDICINAL PRODUCT**

Rumbul Rumen Bullet 15g continuous release intraruminal device, Sheep/calves

### **2. QUALITATIVE AND QUANTITATIVE COMPOSITION**

Each bullet has a mass of 37g, comprising 17.44g (Mg-Al-Cu) alloy and 19.61g iron shot (ratio 47:53)

#### **Active Ingredient:**

Magnesium (in Mg-Al-Cu alloy) 15g/bolus

For full list of excipients, see section 6.1

### **3. PHARMACEUTICAL FORM**

Continuous release intraruminal device

Solid preparation of moulded magnesium alloy in bolus form.

### **4. CLINICAL PARTICULARS**

#### **4.1 Target species**

Sheep  
Calves

#### **4.2 Indications for use, specifying the target species**

As an aid in the prevention of hypomagnesaemia in sheep of at least 30kg bodyweight during the high risk period associated with the grazing of early spring grass after lambing.

As an aid in the prevention of hypomagnesaemia in suckling calves, of at least 50kg bodyweight, where the diet is predominantly milk.

#### **4.3 Contra-indications**

Not to be used in sheep weighing less than 30kg

Not to be used in calves weighing less than 50kg

#### **4.4 Special warnings for each target species**

Rumbul Bullets may occasionally be regurgitated. This may happen very shortly after being administered if they have not been completely swallowed. The bullet may more readily reach the reticulum or base of the rumen if it is not given immediately after hay or silage has been given. Animals should be observed carefully for a few minutes after administration. Towards the end of their useful life (when the bullets become shorter and of considerably reduced diameter) there is a small chance that regurgitation may occur. If it is noticed that an individual animal has regurgitated a bullet, treatment should be repeated.

#### **4.5 Special precautions for use,**

- i. Special precautions for use in animals

See 4.9 below for special precautions during administration.

- ii. Special precautions to be taken by the person

There are no special precautions to be taken by person administering Rumbul sheep bullets

#### **4.6 Adverse reactions (frequency and seriousness)**

None known

#### **4.7 Use during pregnancy and lactation**

There are no restrictions on the use of the product during pregnancy and lactation.

#### **4.8 Interaction with other medicinal products and other forms of interaction**

None known

#### **4.9 Amounts to be administered and administration route**

Sheep

One Rumbul Sheep Bullet should be given to each sheep 2 days before the expected period of risk, e.g. after lambing or transfer to new grazing. If necessary dosing should be repeated after 3 weeks.

Calves

Two Rumbul sheep bullets should be given to each animal. One treatment should prevent a serious reduction in blood magnesium concentration for at least 3 weeks, thereafter a repeat dose should be given if the calf is still receiving a predominantly milk diet.

Administration orally by using the specially designed bulleting gun.

Load the gun by inserting the bullet into the open end, ensuring that the bullet is pressed into the metal cup and held firmly by the rubber head.

The gun should then be passed carefully and gently into the animal's mouth until the rubber head is in the region of the back of the tongue. Severe pressure on the tongue should be avoided. Depression of the plunger will effect delivery of the bullet onto the rear part of the tongue thereby initiating a swallowing action. The gun should then be carefully withdrawn, taking care during removal to maintain its central position in the mouth.

For calves only: A second bullet should then be administered following the same procedure. Observe each animal for a short time after dosing to ensure both bullets have been swallowed.  
And not regurgitated.

**Note 1.** It is desirable when administering the bullet that the head and neck are extended in a straight line in front of the animal. Once the bullet has been introduced on to the back of the tongue by means of the gun, its further progress will depend upon the reflex swallowing action of the animal. Any restraint, which interferes with this action is likely to reduce the chances of effecting a proper administration.

**Note 2.** The curvature of the gun is designed to facilitate the placing of the bullet on the back of the tongue. It is essential that the gun is maintained in an upright plane in the mid line of the mouth throughout the operation.

#### Further Information

In areas where there is no known copper deficiency, no additional supplement of copper should be given to sheep, which have been administered Rumbul Bullets, for the active life of the bullets (3 weeks).

### **4.10 Overdose (Symptoms, emergency procedures, antidotes) if necessary**

In the unlikely event of an accidental overdose, no special treatment is required

### **4.11 Withdrawal Periods**

Meat – Zero days

Milk – Zero hours

## **5. PHARMACOLOGICAL PROPERTIES**

### **5.1 Pharmacodynamic properties**

Rumbul Rumen Bullets for Sheep are a sustained release product, supplying magnesium to supplement that available in the diet. The magnesium is released from the Bullets by electrolytic action, when in contact with reticulo-rumen liquor, and is currently supplied continuously at a mean rate in the order of 0.5g/Bullet/day, throughout an active life of the Bullet of approximately 3 weeks. No permanent residues remain in the reticulo-rumen

## 5.2 Pharmacokinetic properties

Following oral administration, ionic magnesium is released into the reticulo-rumen. The mechanism of action of the product is identical to dietary magnesium. Once absorbed, magnesium is stored in the body intracellularly in soft tissues and in bone. Magnesium absorbed in excess of body requirements is excreted in the urine.

Magnesium is an essential cofactor of many enzymes and for the normal physiology of neuromuscular function.

## 6. PHARMACEUTICAL PARTICULARS

### 6.1 List of excipients

Aluminium  
Copper  
Iron Shot

### 6.2 Incompatibilities

None known.

### 6.3 Shelf life of the veterinary medicinal product as packaged for sale:

10 years

### 6.4 Special precautions for storage

Store in the original package  
Keep the package tightly sealed  
Store in a dry place

### 6.5 Nature and composition of immediate packaging

Rumbul Rumen Bullets – Sheep are moulded metal boluses packed in 10's in a 400 gauge polyethylene sleeve sealed at both ends. Two 10-bullet sleeves are packed in a cardboard box (105 x 85 x 55mm), together with the pack leaflet.

### 6.6 Special precautions for the disposal of unused veterinary medicinal products or waste materials derived from the use of such products, if appropriate

Any unused veterinary medicinal product or waste materials derived from such veterinary medicinal products should be disposed of in accordance with local requirements.

**7. MARKETING AUTHORISATION HOLDER**

Agrimin Limited  
Arlanda Way  
Humberside Airport  
Kirmington  
North Lincolnshire  
DN39 6YH

**8. MARKETING AUTHORISATION NUMBER**

**Vm** 04261/4004

**9. DATE OF FIRST AUTHORISATION/ RENEWAL OF THE AUTHORISATION**

**Date:** 5<sup>th</sup> August 1993/5<sup>th</sup> August 2003.

**10. DATE OF REVISION OF TEXT**

**Date:** October 2011

**11. ANY OTHER INFORMATION REQUIRED BY THE SECRETARY OF STATE**

None