

# Summary of Product Characteristics

## 1 NAME OF THE VETERINARY MEDICINAL PRODUCT

Young's Vector 12.5 mg/ml Pour-on Solution

## 2 QUALITATIVE AND QUANTITATIVE COMPOSITION

Each ml contains:

### Active substance

Cypermethrin tech. (cis: trans / 80:20) 12.5 mg

### Excipients

Green S dye (E142) 0.2 mg

For a full list of excipients see section 6.1.

## 3 PHARMACEUTICAL FORM

Pour-on solution.

A clear, blue solution

## 4 CLINICAL PARTICULARS

### 4.1 Target Species

Sheep.

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

For the treatment and control of headflies. For the treatment and prevention of *Ixodes ricinus* tick infestation (one treatment will give 10 weeks cover) and treatment of biting lice in sheep. For the prevention and treatment of blowfly strike in sheep

### 4.3 Contraindications

Do not use in lambs less than one week old.

For the prevention of blowfly strike; do not administer to animals of less than 12.5 kg bodyweight. Do not use in cases of known hypersensitivity to the active ingredient

### 4.4 Special warnings for each target species

Please see section 4.6.

### 4.5 Special precautions for use

#### i) Special precautions for use in animals

Avoid treating very young lambs if the weather is unseasonably hot.

The product minimises mothering-up problems after treatment. However, care must be taken not to apply the product right to the lamb's tail, as a ewe recognises a young lamb partly by the smell of the tail area.

Blowflies are attracted by dirty, damp wool or open wounds. The most common site for fly strike is the rump due to soiling caused by diarrhoea and urine staining. The efficacy of the product is reduced in the presence of soiled or dirty wool. Therefore, sheep must be crutched (dagged) regularly and appropriate worm control measures employed.

Take care not to apply product in the sheep's eyes. This precaution should be observed particularly when treating breeds with little wool on their heads.

Full operating and maintenance instructions, including details on the use of nozzles are supplied with each applicator gun.

Please read carefully before use.

Maintain applicator gun carefully to ensure accurate dosage.

For external use only.

**ii) Special precautions to be taken by the person administering the veterinary medicinal product to animals**

Butyl dioxitol is slightly irritating to skin and moderately irritating to eyes.

Wear protective clothing, rubber gloves and boots when applying the product.

Wear a dust mask when applying as a fan-spray for the prevention of blowfly strike.

Wash splashes from skin and eyes immediately.

Do not eat, drink or smoke whilst using the product.

Wash hands and exposed skin before eating, drinking or smoking and after work.

Use in a well-ventilated area.

In a few instances operators may experience a mild tingling sensation of the face when using the product.

Avoid handling sheep immediately after treatment.

**iii) Other precautions**

See section 6.6

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

Transient adverse effects may occur. These include irritation, ataxia, inco-ordination and flaccid semi-paralysis. In most of the reported literature studies and toxicity trials these signs disappeared fairly rapidly and the animals generally recovered within a week. The most severe side effects were observed in very young lambs (1-2 days old) and the product is therefore contra-indicated in lambs less than one week old.

**4.7 Use during pregnancy, lactation or lay**

Whilst there is no specific data available on the use of the product in pregnant ewes, laboratory studies (in rats and rabbits) have shown that cypermethrin has no teratogenic or mutagenic effect.

**4.8 Interaction with other medicinal products and other forms of interactions**

The product must be applied only with the recommended applicator gun, as the product may have a detrimental effect on certain components of conventional dosing guns

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

The product is administered by means of a Youngs's Endecto applicator gun as follows:

To ensure a correct dosage, bodyweight should be determined as accurately as possible.

Lice: 5 ml per 20 kg bodyweight up to a maximum of 20 ml.

<b>Bodyweight</b>	<b>Dose</b>	<b>Doses per litre</b>
Up to 20 kg	5 ml	200
21 to 40 kg	10 ml	100
41 to 60 kg	15 ml	66
Over 60 kg	20 ml	50

Using the straight nozzle on the applicator gun, apply as a pin-stream from the shoulders to the rump along the middle of the backline.

Sheep may be treated off-shears or at any time during the year.

Ticks: Adult sheep and lambs over 10 kg: 10 ml per 20 kg bodyweight, up to a maximum of 40 ml. One treatment will give 10 weeks cover. Lambs under 10 kg: 5 ml followed 3 weeks later by a 10 ml application.

<b>Bodyweight</b>	<b>Dose</b>	<b>Doses per litre</b>
Up to 10 kg	5 ml	200
11 to 20 kg	10 ml	100
21 to 40 kg	20 ml	50
41 to 60 kg	30 ml	33
Over 60 kg	40 ml	25

Using the straight nozzle on the applicator gun, apply as a pin-stream from the crown of the head to the top of the rump.

Headflies: 5 ml per animal irrespective of size.

Apply to the top of the head between the ears using the T-bar nozzle.

Take care not to apply product in the sheep's eyes.

One application of the product before the start of the headfly season will give up to 4 weeks protection. Re-treat as required.

Blowflies:

Prevention of blowfly strike

**Bodyweight Dose Doses per litre**

Up to 25 kg\* 20 ml 50

25 to 40 kg 30 ml 33

Over 40 kg 40 ml 25

\*Do not administer to animals of less than 12.5 kg bodyweight.

Apply as a fan-spray to the surface of the fleece on the back and hindquarters of the sheep using the applicator gun fitted with the fan-spray nozzle. Half the dose should be applied to the shoulders, back and flanks, and half to the rump. The distance between the nozzle and the fleece should be approximately 20 cm. Each dose will require 2 or 3 sweeps to apply. THE PRODUCT WILL PREVENT BLOWFLY STRIKE ONLY ON AREAS COVERED BY SPRAY. One application will give 6-8 weeks protection. Re-treat as required.

Treatment of blowfly strike

Apply directly to the affected parts at the rate of 2.5 ml per 100-150 cm<sup>2</sup> (roughly the size of a hand). The T-bar nozzle should be used. Most strikes will require 5-10 ml. Ensure that the affected parts are treated. A single application is sufficient to ensure that larvae are expelled and killed within a few hours.

This product contains a blue dye to aid in the identification of treated animals. The colour is temporary and will fade from the fleece within 7 days of application, depending upon fleece length and weather conditions.

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

Toxic signs in mammals are tremors, hyperexcitability, salivation, choreoathetosis and paralysis, rarely leading to death. Usually the signs disappear rapidly and the animals recover, generally within a week.

There is no specific antidote but symptomatic therapy can be given if considered necessary.

#### **4.11 Withdrawal period(s)**

Meat: Animals must not be slaughtered for human consumption during treatment. Sheep may be slaughtered for human consumption only after 7 days from the last treatment.

Milk: 5 days

### **5 PHARMACOLOGICAL or IMMUNOLOGICAL PROPERTIES**

Pharmacotherapeutic group: Ectoparasiticides for topical use; pyrethroids

ATCvet Code: QP53AC08

#### **5.1 Pharmacodynamic properties**

Cypermethrin is a neuropoison acting on the axons in the peripheral and central nervous system by interacting with sodium channels in insects

#### **5.2 Pharmacokinetic particulars**

Synthetic pyrethroids are generally metabolised in mammals through ester hydrolysis, oxidation and conjugation and there is no tendency to accumulate in tissues.

## **6 PHARMACEUTICAL PARTICULARS**

### **6.1 List of excipients**

Green S dye (E142)  
Butyl dioxitol

### **6.2 Major incompatibilities**

None known

### **6.3 Shelf-life**

Shelf-life of the veterinary medicinal product as packaged for sale: 2 years

### **6.4 Special precautions for storage**

Store in original container, tightly closed in a safe place.  
Do not store above 25°C  
Protect from light.  
Store away from food, drink and animal feeding stuffs

### **6.5 Nature and composition of immediate packaging**

2.5 litre or 5 litre white, opaque, high density polyethylene flexi-pack, closed with a white, polypropylene screw cap and surlyn coated foil induction seal

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

Harmful to fish.  
Harmful to aquatic invertebrates and may have harmful effects to dung fauna and insects. Do not contaminate ponds, waterways and ditches with the product or used container.

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

## **7 MARKETING AUTHORISATION HOLDER**

Elanco GmbH  
Heinz-Lohmann-Strasse 4  
27472 Cuxhaven  
Germany

## **8 MARKETING AUTHORISATION NUMBER(S)**

VPA22020/027/001

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

Date of first authorisation: 10 June 1999  
Date of last renewal: 09 June 2009

## **10 DATE OF REVISION OF THE TEXT**

July 2021