

## ACATAK<sup>®</sup> Duostar

**Tick growth regulator and broad spectrum antiparasitic pour on for beef cattle. For Strategic Control of the Cattle Tick, *Boophilus microplus*, (including all known acaricide resistant strains) on Beef Cattle and for the treatment and control of Ivermectin sensitive Internal & External Parasites of Beef Cattle.**

**Manufacturer:** Novartis Animal Health Australasia Pty Ltd (APVMA approval # 60494)  
Active Ingredient: ACATAK<sup>®</sup> Duostar is a ready-to-use pour-on formulation containing 15 g of Fluazuron and 5 g of Ivermectin per litre

**Dosage:** The recommended dose is 5 ml of ACATAK Duostar per 50 kg body weight (corresponding to 1.5 mg Fluazuron and 0.5mg ivermectin per kg).

**Withholding Periods:**

**Meat** – Do not use less than 42 Days before slaughter for human consumption. Calves which have suckled on treated cows must not be slaughtered less than 4 months after the last treatment of these cows.

**Milk** – Do not use on cattle which are producing or may in the future produce milk for human consumption.

**ESI** – Do not slaughter for export less than 42 days after final treatment.

This product is contraindicated for use on pregnant cows within 6 weeks of calving to avoid handling stress.

**Important:** Application: ACATAK Duostar is poured onto the back of the animals along the backline starting between the shoulder blades. The timing of application will depend on local conditions.

**Pack Sizes:** ACATAK Duostar comes in 2.5 to 25 litre plastic containers.

**Use Indications:** ACATAK Duostar is indicated for the control in beef cattle of ticks: *Boophilus* spp. (including all known acaricide resistant strains) of ivermectin sensitive nematodes:

- adults and 4th larvae of *Ostertagia ostertagi* (including inhibited stages), *Haemonchus placei*, *Trichostrongylus axei*, *T. colubriformis*, *Cooperia* spp., *Oesophagostomum* spp. and *Dictyocaulus viviparus*,
- 4th larvae of *Nematodirus* spp.,
- adults of *Strongyloides papillosus*, *Trichuris* spp. and *Thelazia* spp.,
- of lice sucking:
  - *Linognathus vituli*, *Haematopinus eurytarnus*, *Solenopotes capillatus*,
  - biting: *Bovicola (Damalinia) bovis*, of mites: *Sarcoptes bovis*, *Chorioptes bovis* and of flies: *Haematobia irritans exigua* (efficacy persistent for 7 days).

**Properties:** Fluazuron is an acarine growth regulator belonging to the group of benzoyl-phenyl-ureas (BPUs). Like all BPUs, Fluazuron interferes with the chitin synthesis.

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Treated immature ticks are unable to moult to the next stage, and no larvae will hatch from eggs laid by treated females. Due to its specific mode of action, ACATAK Duostar is specially suited for the control of one-host ticks of the genus *Boophilus*. In situations where cattle serve as unique or major host for immature and adult stages of multihost ticks, the repeated use of ACATAK Duostar may also lead to a substantial reduction of the multihost tick population.

Ivermectin is an avermectin (macrocyclic lactone). Avermectins interact with glutamate-gated chloride ion channels, to increase membrane permeability to chloride ions, causing irreversible neuromuscular blockade in nematodes and arthropods, followed by paralysis and death.

Ivermectin has a broad spectrum of activity against adult and developing and inhibited immature nematodes as well as against immature and adult arthropods (ticks, mites and insects).

***For an obligation free quote on Acatak Duostar, please visit the Animal Health Direct website at;***

***<http://www.animalhealthdirect.com.au/page/6/ContactUs.html>***