

Racumin[®]

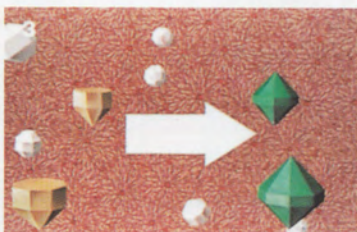
prevents the coagulation of blood in rats.



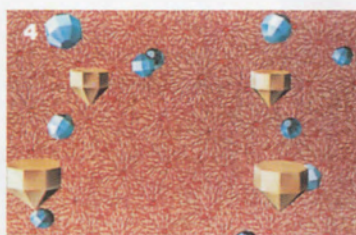
1. As a protection against blood loss following injuries to the vascular system, blood possesses the ability to coagulate.



2. In the course of a biochemical chain reaction, prothrombin (green), which is present in the blood is converted into thrombin (red). Thrombin causes the interlacing of dissolved fibrinogen into more firmly structured fibrin (yellow). The wound is closed.



3. Prothrombin (green) is produced in the liver from a chemical precursor (brown) (arrow). Vitamin K₁ (white) is indirectly involved in this process.



4. The active ingredient in Racumin (blue) is similar in structure to vitamin K₁. It is therefore capable of displacing the latter from its site of action. As a result, prothrombin synthesis is interrupted.



5. The prothrombin concentration (green) in the blood declines. Fibrinogen can no longer be converted into fibrin. The blood has lost its ability to coagulate.



6. In addition, capillary vessel walls become fragile. The rat dies from anaemia.

Racumin[®] Paste

The biological action:

Racumin Paste contains the active ingredient Coumatetralyl from Bayer at a concentration of 0.0375%, just like other Racumin formulations.

It acts by preventing blood coagulation, causing death between 3 to 8 days after the intake of a lethal dose due to internal bleeding.

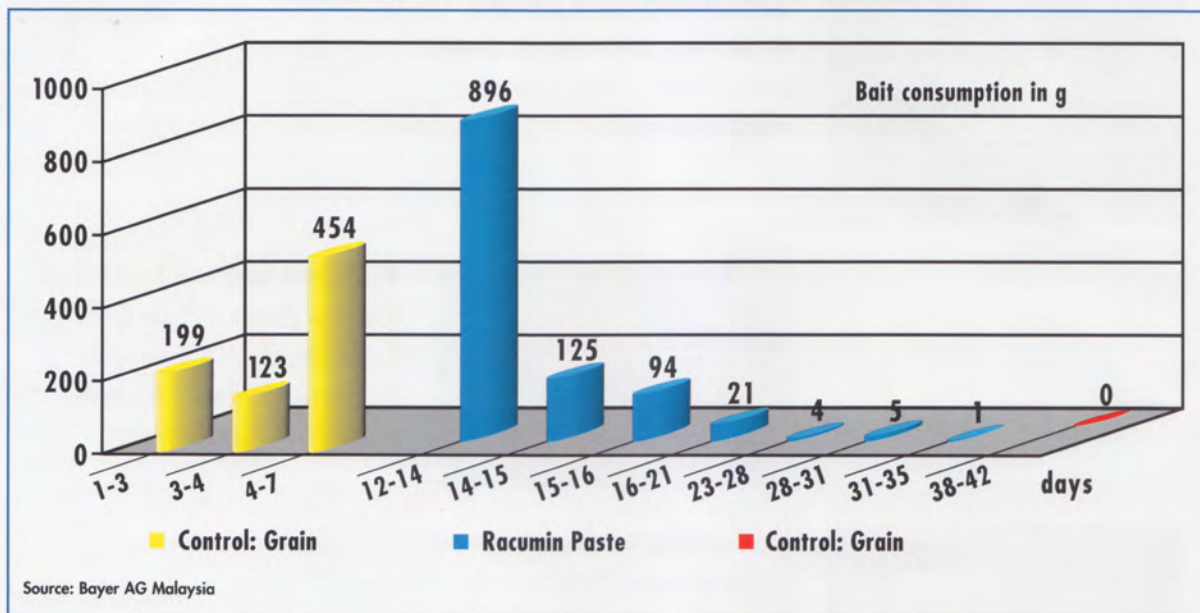
Vegetable fats and carbohydrates are combined in Racumin Paste in a way that is exceptionally attractive to rats. This guarantees extremely high consumption and thereby ensures that the product works most effectively. Many rats take in the lethal dose during the first day of a control measure, which makes

Racumin Paste as effective as a single dose even though Coumatetralyl is a multiple-dose active ingredient!

The great advantage:

The well known environmental benefits of first generation anticoagulants are upheld; the "single-dose" effect is primarily achieved by palatability and not by high toxicity.

Field trial with Racumin Paste against Rats in a feed mill



Palatability of Racumin Paste in comparison to other baits

