

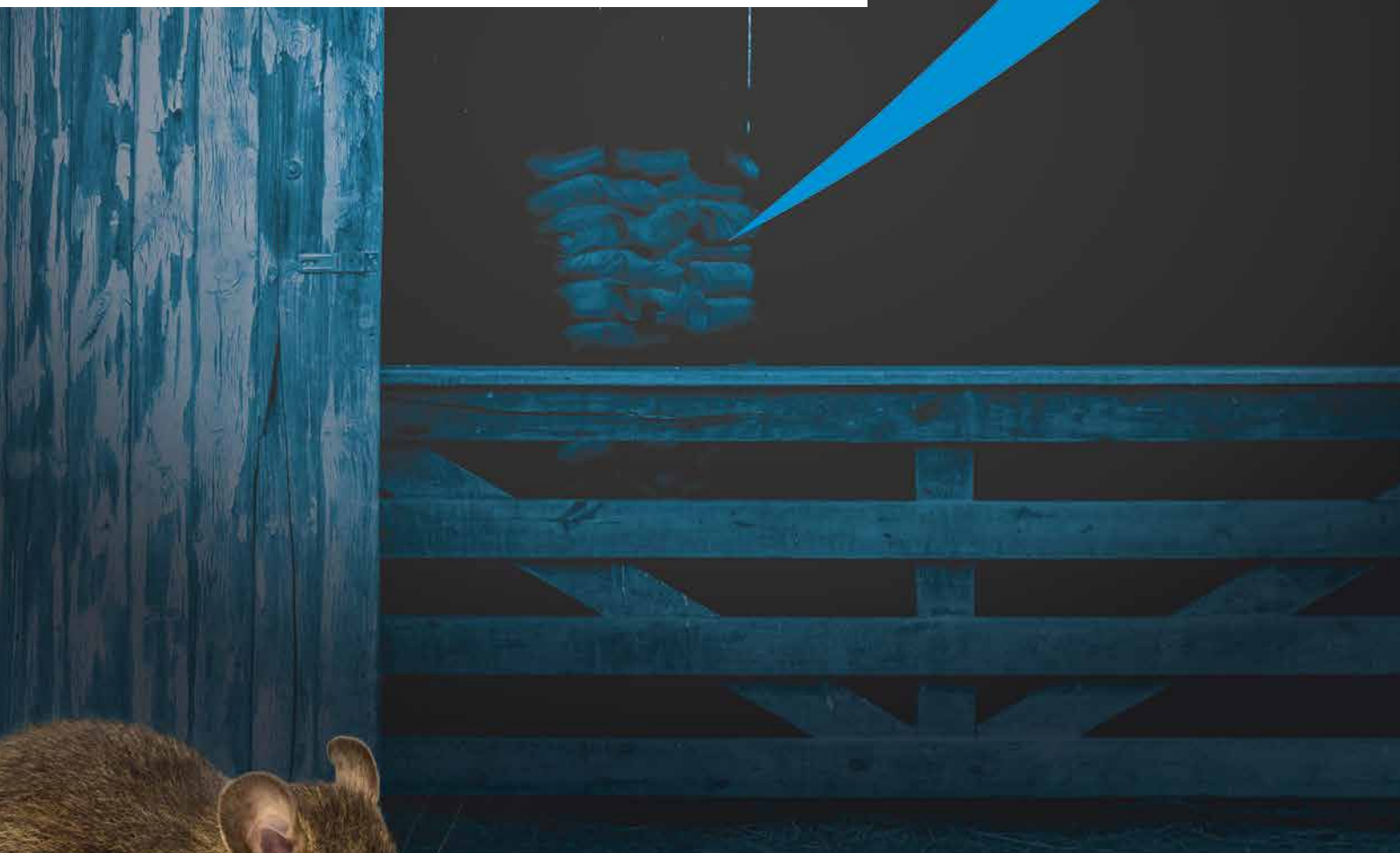
BASF

We create chemistry



Storm[®] Ultra Secure

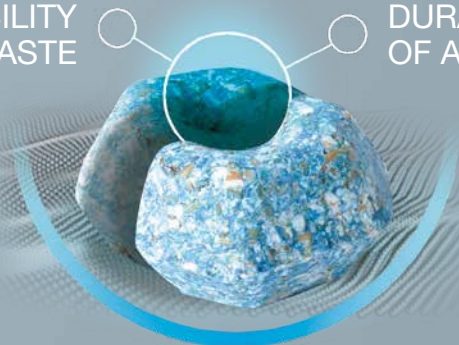
A new generation of rodenticide bait



Storm[®] Ultra Secure

PALATABILITY
OF A PASTE

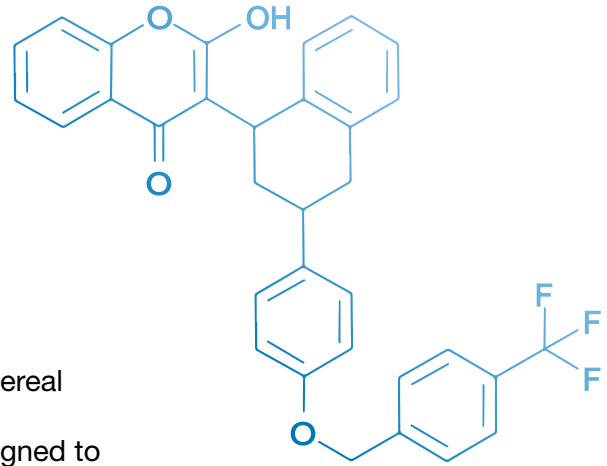
DURABILITY
OF A BLOCK



An innovative formulation in the form of a new generation block, with an active substance concentration of 25 ppm:

Active substance

- Flocoumafen $C_{33}H_{25}F_3O_4$
- Single Feed anticoagulant
- Concentration: 0.0025 % (25 ppm)



Patented formulation

A new anticoagulant rodenticide (AVK) containing:

- A blend of high quality cereals
- an innovative cohesion binding agent (for maximum cereal incorporation)
- a taste deterrent (denatonium benzoate) and dye designed to help prevent accidental consumption by humans

Storm® Ultra Secure comes in the form of a ready-to-use, single feed 25g blocks, effective against all species of rats and mice.

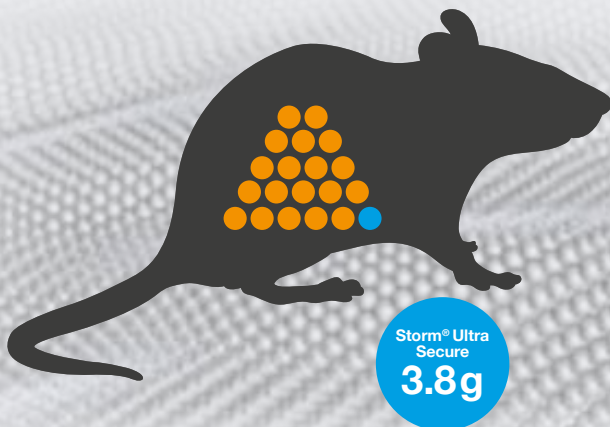


The latest generation formulation, more powerful, single-ingestion

Rats and mice consume a lethal dose in a single feed, providing quick and easy control in all situations.

Lethal dose (LD50) of bait (g) needed to kill a 250g rat and a 25g mouse:

Brown rat (*Rattus norvegicus*)
Food consumed 25g/day



House mouse (*Mus musculus*)
Food consumed 5g/day



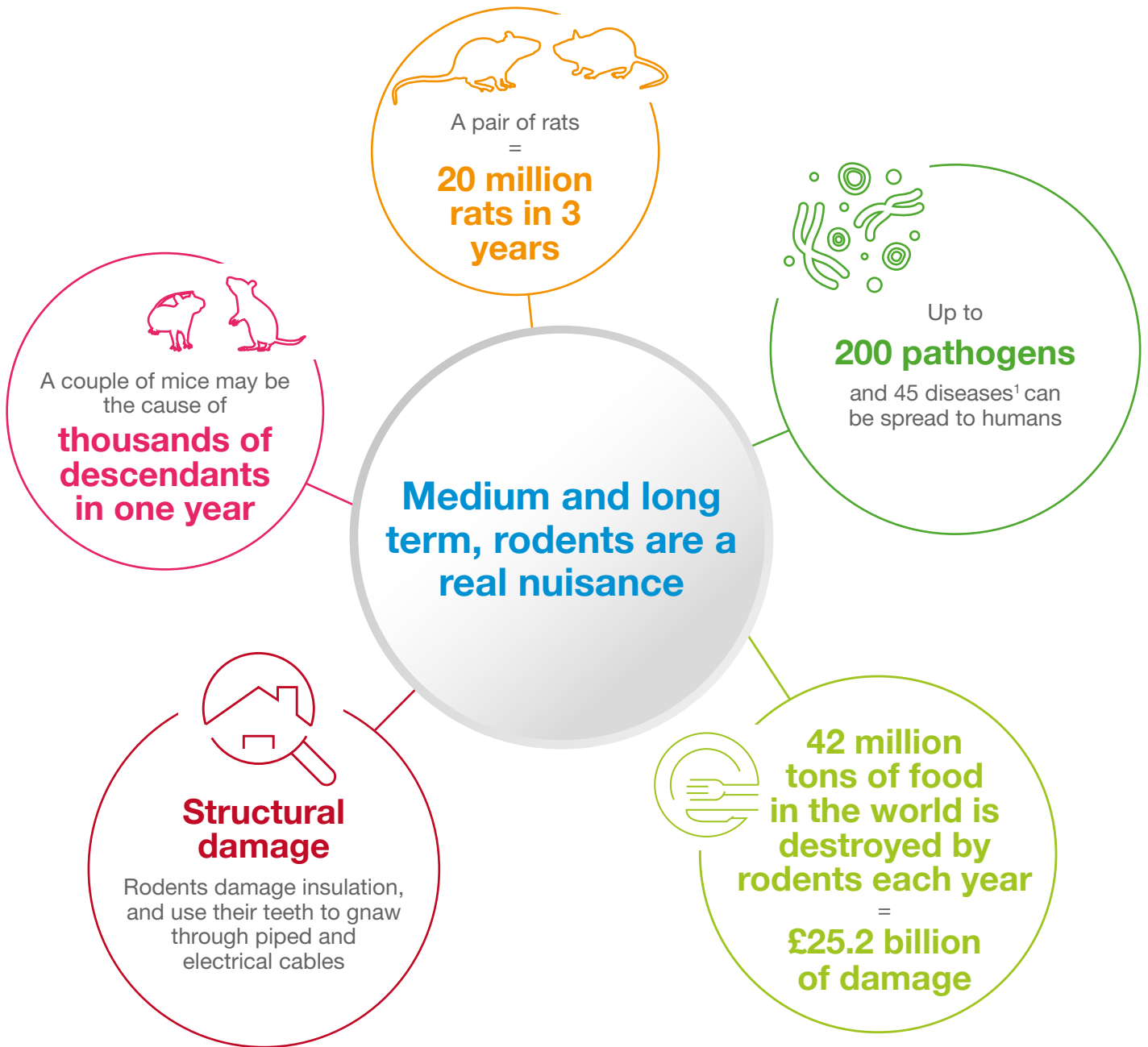
A lethal dose (LD50) of Storm® Ultra Secure is equivalent to about 15% of daily food consumption in brown rats and 24% in domestic mice.

Public health issues as well as economic issues

Rodents can pose a serious risk to human and animal health but they also cause a lot of damage. In addition, urban and rural areas are an ideal playground providing food, water and shelter.

Rodents create public health concerns and can create costly problems.

■ Did you know that?



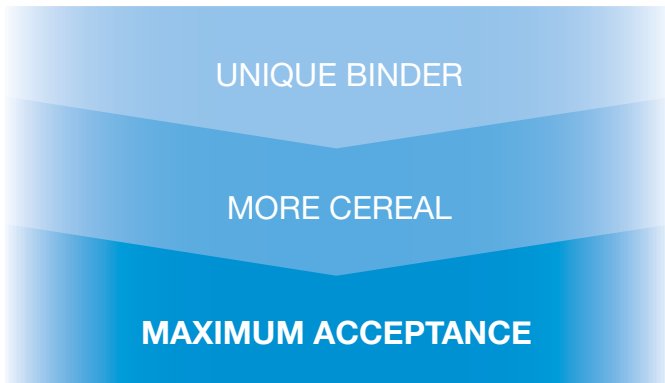
Stop them fast!
Control rodent populations with a quick and effective solution

BASF is developing new solutions for rodent control to preserve human health, hygiene and food safety.

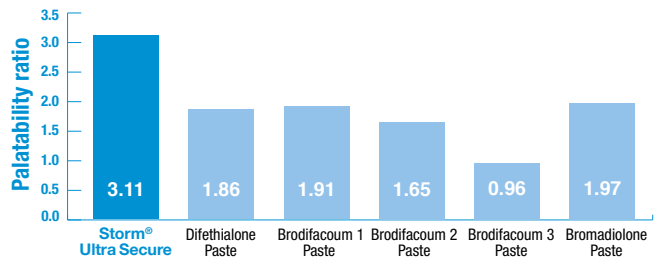
¹Ontario Ministry of Agriculture, Food and Rural Affairs (retrieved 31 May 2017)

The fastest and most effective solution for rat and mouse control

Ultra palatable



The most palatable bait among the leading baits tested:

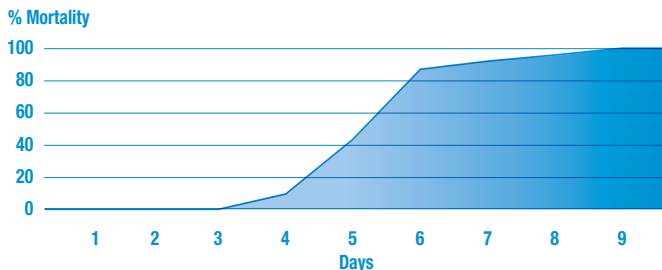


Palatability test on brown rats: consumption of bait compared to consumption of food in the laboratory. A ratio of 2 is rated as excellent. Source : BASF

Ultra efficient

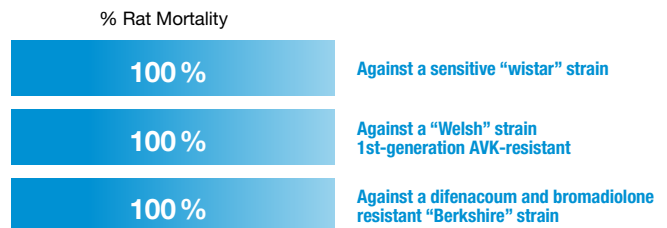
Storm® Ultra Secure effectively controls rodents: **100% mortality.**

Mortality with Storm® Ultra Secure against brown rats (*Rattus norvegicus*)



Ultra control of rats and mice

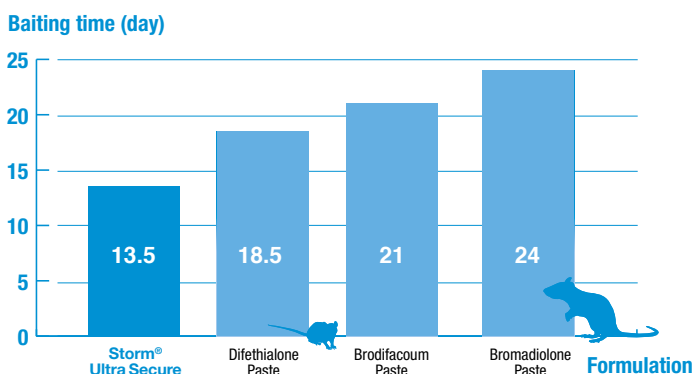
Active on rodent species resistant to anticoagulants.



Ultra fast

Storm® Ultra Secure controls 100% of the rodent population in about 14 days (up to 10 days less than the main AVK baits)

Tests in real-world conditions with brown rats
Average number of baiting days to get control



Ultra durable









The new binder (wax free) provides better resistance to extreme temperatures, and is perfect to form a non-wax block, while maintaining excellent palatability.



Storm® Ultra Secure saves time, visits and bait compared to most products on the market

Benefits of baiting with Storm® Ultra Secure compared to traditional baiting.

Based on Field trial data on brown rats*

	Traditional baits (with Difenacoum)	Storm® Ultra Secure	Advantages of using Storm® Ultra Secure
Initial baiting	 10.00 kg 200g x 50 points baited	 3.75 kg 75g x 50 points baited	6.25 kg less bait used 62.5 % less than traditional baits
Additional bait required	 8.19 kg	 4.51 kg	3.68 kg less bait used 45 % less than traditional baits
Total amount of bait used	 18.19 kg	 8.26 kg	9.93 kg less bait used 55 % less than traditional baits
Typical baiting schedule	DAY 	DAY 	4 visits less in total

*Data BASF



Storm® Ultra Secure

- Ultra palatable for rats and mice
- Ultra resistant to extreme conditions
- Ultra effective with just a single feed
- Ultra quick control of rodent infestations

“Taking them by storm”

Applications and amounts of Storm® Ultra Secure

Target	Location	Rate of application (per area)	Frequency
House mouse (<i>Mus musculus</i>)	In and around buildings	25g (1 block) every 1 to 2 metres	Pulsed baiting: Replace eaten bait only after 3 days and then at maximum 7-day intervals
Brown rat (<i>Rattus norvegicus</i>) Black rat (<i>Rattus rattus</i>)	In and around buildings / in burrows*	50 to 75g (2 to 3 blocks every 10 metres)	

*For direct application in burrows. Cover or block burrow entrances. Sites where burrow baiting is used must be visited more frequently than those where secure bait boxes are employed.

Evaluation of the state of Infestation

Products shall not be used beyond 35 days without an evaluation of the state of the infestation and of the efficacy of the treatment.

Remember: Do not use Storm® Ultra Secure as permanent baits.

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