

# Pest control



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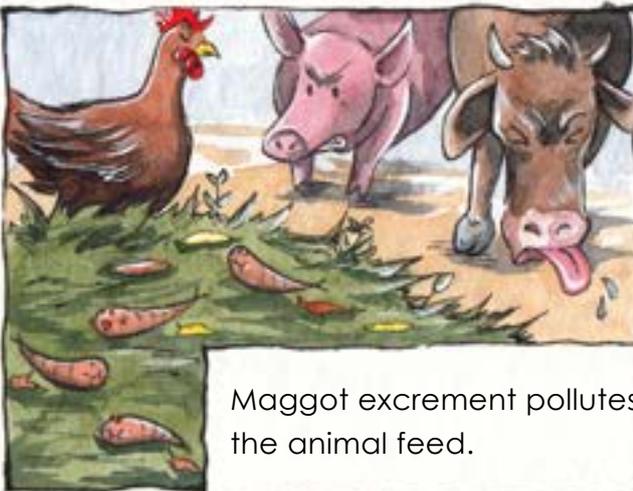
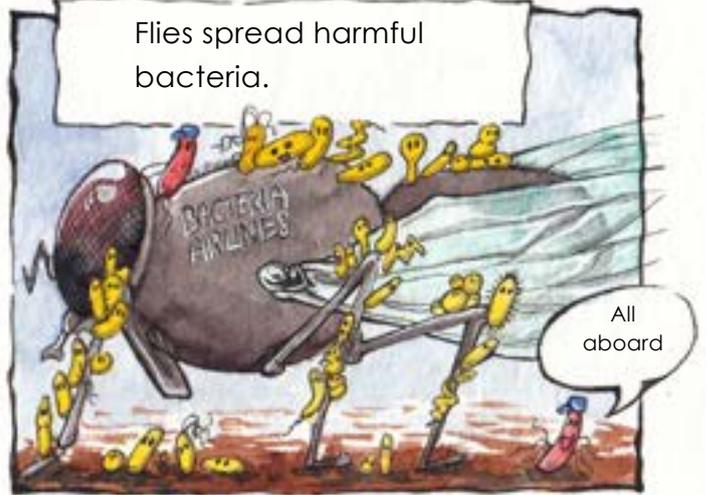
# Why pest control?



Flies create stress.



Flies spread harmful bacteria.

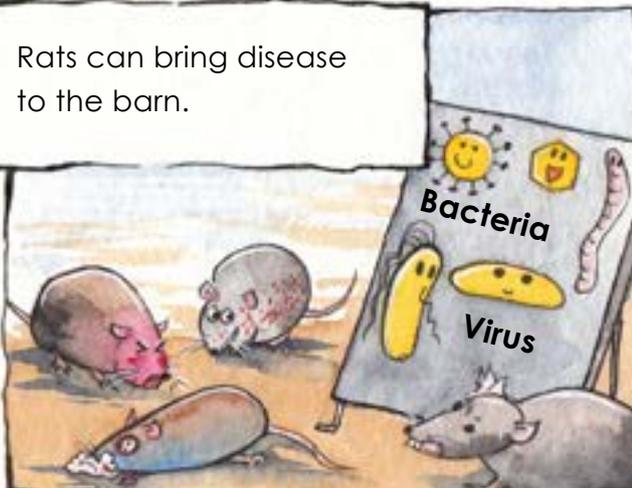


Maggot excrement pollutes the animal feed.

Rat and mouse excrement too.



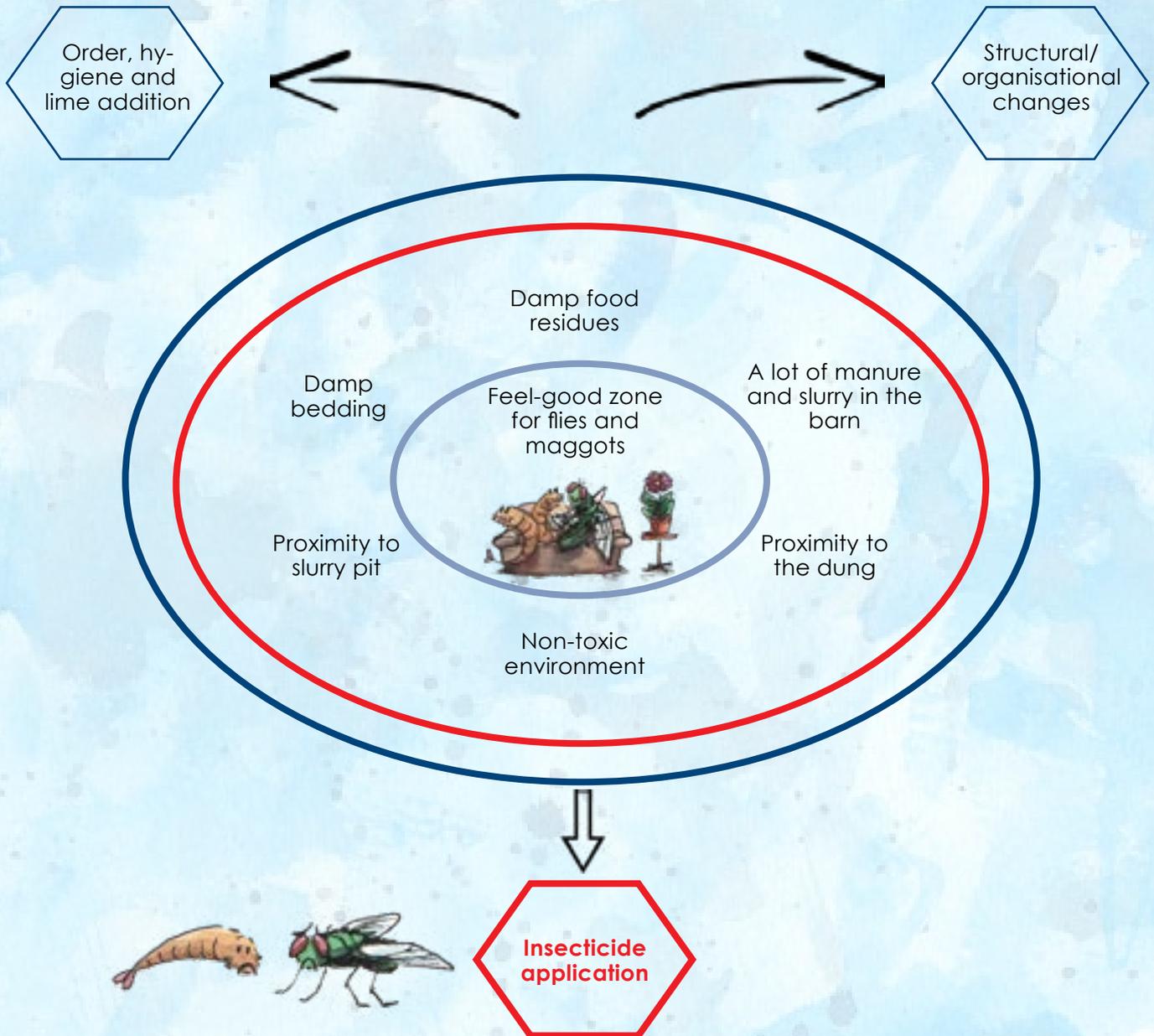
Rats can bring disease to the barn.



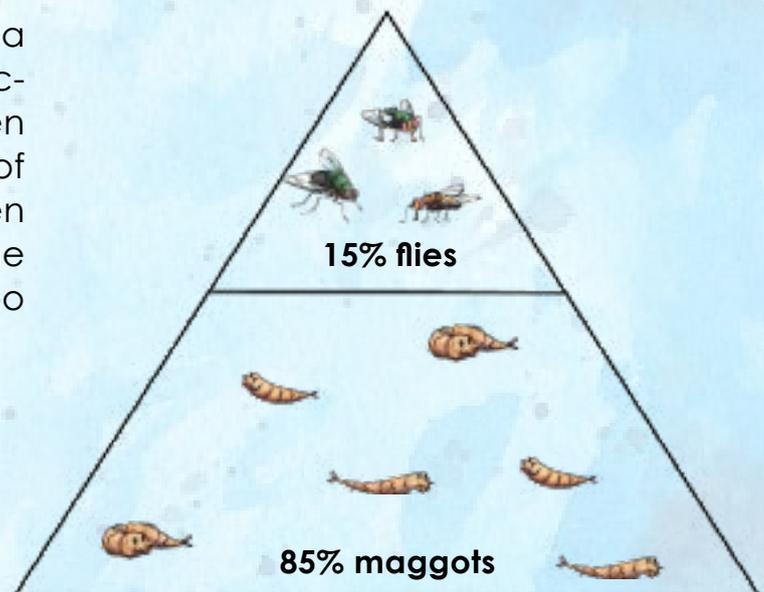
It is therefore worthwhile to act against pests in good time!



# Hygiene management



The amount of flies depends on a number of factors. Chemical insecticides should only be used when the causes for the occurrence of many flies in the barn have been reduced to the optimum and the quantity of flies is still clearly too high.



# Active agents

## Insecticides against flies and maggots

### Pyrethrine:

- ✓ Permethrin
- ✓ Tetramethrin
- ✓ Piperonylbutoxid
  
- ✓ Feed & contact poison
- ✓ Permanently opens the sodium channels of the nerve cells
  
- ✓ Nervous system disorder
- ✓ Paralysis
- ✓ Death

### Neonicotinoide:

- ✓ Imidacloprid
  
- ✓ Contact & feed poison
- ✓ Binds permanently to the acetylcholine receptor of nerve cells
  
- ✓ Nervous system disorder
- ✓ Paralysis
- ✓ Death

### Thiophosphonsäureester:

- ✓ Azamethiphos
  
- ✓ Contact & feed poison
- ✓ Permanently inhibits the enzyme cholinesterase in the nerve cells
  
- ✓ Nervous system disorder
- ✓ Paralysis
- ✓ Death

### Benzamide:

- ✓ Diflubenzuron
- ✓ Chitin synthesis inhibitors
- ✓ No carapace formation
- ✓ No development from maggot to fly
- ✓ Damaging and killing of the eggs

### Terpene:

- ✓ Geraniol
- ✓ Fragrance
- ✓ Scare effect through scent

# calgonit sterizid Fliegen-Ex Köder

## Fly bait for use in the barn

### Properties:

calgonit sterizid Fliegen-Ex Köder is a feeding bait against stable flies with attracting effect. It can be used as a spreading or painting agent against flies. Treatment should start early, preferably at the beginning of the season, to ward off a large fly population.

### Application:

Place calgonit sterizid Fliegen-Ex Köder in bowls and install at the preferred locations of flies that are not accessible to animals. It must be ensured that several feeding sites are attached in order to achieve an even better effect. 1 can = 350 g is sufficient for a stable area of approx. 175 sqm. The immediate effect occurs within 20 minutes. Application as a coating agent: Its use as a coating agent has proved particularly successful in practice. Mixing ratio 1 : 1. Dissolve the granulate in warm water by stirring constantly. The solution is painted with a brush on the areas occupied by flies (pipes, window frames, doors, walls, posts, etc.) that cannot be licked by animals. After application and within the next 24 hours, good ventilation must be provided.

### Hinweise:

Caution: Farm animals and pets must not come into contact with calgonit sterizid Fliegen-Ex Köder! Keep container tightly closed and dry. We cannot assume any liability in connection with the application, as it is beyond our control.

- ✓ Ready-to-use granules
- ✓ Attracts flies and kill immediately

### Active agent:

Azamethiphos

### Effect range:

Flies

### Technical information:

Form: Granules

Colour: yellow

Odour: slightly aromatic

### Container sizes:

12 x 350g, 6 x 2 kg



Use biocide products carefully. Always read label and product information before use.



# calgonit sterizid Profi Kill G

## Spraying and painting agent against resistant stable flies

### Properties:

The balanced combination of active ingredients of calgonit sterizid profi kill G works against resistant stable flies with a long-lasting effect of up to 4 weeks.

### Application:

Application as spraying agent:

Add 1000 (500) ml calgonit sterizid profi kill G to 10 (5) litres of water. The spray produced in this way is sprayed especially on the areas preferred by flies (walls, ceilings, columns, windows and door frames).

### Application as a coating agent:

Dissolve 2 (1) kg sugar in 10 (5) litres of warm water and add 1000 (500) ml of calgonit sterizid profi kill G. The solution is painted with a brush or roller on the areas preferred by flies that cannot be licked by animals.

Application as a coating agent increases the long-term effect.

### Recommendation:

If calgonit sterizid profi kill G is used, it is recommended to carry out maggot control in the liquid manure channel or calf litter.

For this, we recommend our calgonit sterizid maggot-ex against fly maggots.

- ✓ Liquid concentrate
- ✓ Long-term effect of up to 4 weeks
- ✓ Sufficient for 700m<sup>2</sup> (or 350m<sup>2</sup>) of stable surface area

### Active agents:

Permethrin, tetramethrin, pyrethrin, Geraniol

### Technical information:

Form: liquid

Colour: yellow

Odour: characteristic

### Container sizes:

12 x 500 ml, 6 x 1 L



Use biocide products carefully. Always read label and product information before use.



# calgonit sterizid Fly Stop

## Contact insecticide

### Properties:

calgonit sterizid Fly Stop is a contact insecticide against flies, mosquitoes, moths, mites and crawling vermin in agriculture, commerce and households.

### Application:

Flies and mosquitoes:

Apply calgonit sterizid Fly Stop at preferred locations of insects in a slightly wetting form. Ants, cockroaches, silverfish, cockroaches, spiders: Spray hiding places, running surfaces generously. Repeat after 2-3 days.

Chicken and bird mites:

Clean the perch, nest boxes and grids beforehand. Then spray from a short distance.

### Application rate:

500 ml calgonit sterizid Fly Stop are sufficient for spraying 200 m<sup>2</sup>.

- ✓ Long-term effect
- ✓ Cost-effective application
- ✓ Ready-made solution

### Active agents:

Permethrin, pyrethrin

### Effect range:

Flying and creeping insects

### Technical information:

Form: liquid

Colour: milky white

Odour: of lemons

### Container sizes:

12 x 500 ml, 5 L



Use biocide products carefully. Always read label and product information before use.



# calgonit sterizid Maden-Ex Pro

## Insecticide for controlling fly maggots

### Properties:

calgonit sterizid Maden-Ex Pro is a highly effective maggot control agent for the treatment of fly breeding sites, e.g. in manure or deep litter. It prevents the development of flies in the maggot stage and achieves a sustainable control success. Effective fly control must begin in the larval stage, eggs and pupae are immune to conventional control agents. The fly population decreases after 10-20 days of initial treatment. calgonit sterizid Maden-Ex Pro must be used regularly and early. Only the thorough treatment of all fly breeding sites will bring success. Caution: In order to contain fly reproduction in the following days and weeks, a fly repellent should be used in combination with calgonit sterizid Maden-Ex Pro. Our calgonit sterizid Fly Stop, calgonit sterizid Fliegen-Ex Köder or calgonit sterizid Profi Kill G products are suitable for this purpose. Larvicides may be used in the occupied barn.

### Application:

Slatted floors, lying surfaces, nest corridor, walking corners, calf corners.

Application in the watering process:

Liquid manure channel which moistens manure accumulations not committed by the animals and marginal areas of the calf pens with watering cans or back sprayers.

Application in the scattering method:

Sprinkle the areas affected by fly maggots in the deep litter with calgonit sterizid maggot-ex Pro.

Watering: 500 g/3 kg + 50/300 litres Water = 100/600 m<sup>2</sup>

Spraying: 500 g + 10 litres = 100 m<sup>2</sup>

Scattering: 15 g = 1 m<sup>2</sup>

- ✓ Prevents the development of flies in the maggot stage
- ✓ Results in sustainable treatment success

### Active agents:

Diflubenzuron, piperonyl butoxide, tetramethrin

### Effect range:

Maggots & other larvae stages

### Technical information:

Form: Powder

Colour: white

Odour: characteristic

### Container sizes:

12 x 500 g, 6 x 3 kg



Use biocide products carefully. Always read label and product information before use.

# calgonit sterizid pour on forte

## The fly stopper

### Properties:

By using calgonit sterizid pour on forte, flies are stopped permanently. calgonit sterizid pour on forte is characterised by its high yield. The product is excellent against gnats that can trigger bluetongue.

### Application:

Fill 15 ml of calgonit sterizid pour on forte into the dosing cap by pressing the bottle. Apply the dosed liquid in areas frequented by flies. The effect occurs within 10 minutes. Repeat the application if the effect diminishes or at the latest after 4 weeks.

- ✓ Very productive
- ✓ Ready to use
- ✓ Long-term effect
- ✓ Practical dosage bottle
- ✓ Cost-effective application

### Active agents:

Permethrin, tetramethrin, pyrethrin, Geraniol

### Effect range:

Flies

### Technical information:

Form: liquid

Colour: yellow

Odour: characteristic

### Container size:

12 x 1L



Use biocide products carefully. Always read label and product information before use.



# Mice and rats

## Effect of brodifacoum

Brodifacoum prevents the formation of clotting factors in the blood and damages the blood vessels themselves. During the typical life of the animals, which includes injuries, births, etc., wounds no longer close and the animals bleed to death within a few days. The thereby delayed effect is important, as rats can quickly establish the context due to their high intelligence. The days in between make this logical conclusion more difficult, so that the baits continue to be eaten and remain effective.

## Importance of controlling rats and mice

Rats and mice can transmit many dangerous diseases to farm animals. These include foot-and-mouth disease, swine fever, rabies, hantavirus, tuberculosis, fungal infections and general parasites such as worms, fleas and mites. By feeding on cattle feed and excreting directly on the spot, rats and mice spoil the cattle feed microbially and in terms of taste, so that it can lead to the animals rejecting their feed.

## Placing the bait

Install at usual places with high rodent traffic, ensuring that only rodents eat the bait. To protect farm animals, dogs and cats, the rat bait box should be used. Once a week check and refill the bait locations.



Placement of a rat bait box with protection against carry-over.



# calgonit sterizid Ratten-Ex B

Ready-to-use bait for the control of rats and mice for professional users

## Properties:

calgonit sterizid Ratten-Ex B is a ready-to-use bait against house mice and rats indoors, outdoors, on landfills and in sewers. calgonit sterizid Ratten-Ex B kills painlessly, meaning that other rats and mice are not suspicious and not warned. calgonit sterizid Ratten-Ex B is excellent for the effective control of rats and mice. These are attracted by a targeted active mixture.

## Application:

Lay out 50 - 100 g of calgonit sterizid Ratten-Ex B per bait site. Lay out a sufficient number of bait places (approx. 10 - 20 m distance). Ideally with bait station. Lure places directly at walkways, loopholes, along the walls and under stone piles. Furthermore, pipes with a diameter of approx. 10 cm and a length of approx. 50 - 80 cm can be set up with the bait.

## Note:

calgonit sterizid Ratten-Ex B until nothing more is eaten. Set up many small feeding places for mice.

- ✓ Ready to use
- ✓ High feed acceptance

## Active agents:

Brodifacoum  
Antidote: Vitamin K1

## Effect range:

Rats and mice

## Technical information:

Form: Granules  
Colour: red  
Odour: of corn products

## Container size:

6 x 2.5 kg



Use biocide products carefully. Always read label and product information before use.



# calgonit rat bait box

## Control of rats and mice

### Properties:

The rat bait box is easy to set up and ready to use thanks to the pre-formed bait tray.

- ✓ Suitable for controlling rats and mice
- ✓ Robust plastic
- ✓ Easy to lock with a click system
- ✓ Optimal feeding environment for harmful rodents
- ✓ Good installation option
- ✓ Protection of the feeding baits from the weather
- ✓ No carry-over by harmful rodents
- ✓ No access for pets and farm animals
- ✓ Protection for small children









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