Rodent Control
Manual and Record Book for Farms

Enabling the most effective solutions to your pest problems.
Developing an Integrated Rodent Strategy

This book has been designed to help you plan and organise your rodent control procedures whilst keeping a record of your activities.

Good record-keeping is important if you are to:
- Comply with food and farm quality assurance schemes.
- Apply the appropriate treatment to the given situation.
- Ensure the most effective bait point siting.
- Maintain consistent bait replenishment.
- Monitor the success of treatments.
- Demonstrate sufficient wildlife responsibility.

Any good rodent control plan should constantly go through 3 stages: Preventative, Non-Chemical solutions and Baiting.

By eliminating key rat and mouse necessities such as food and harbourage and constantly searching for rodent activity your control strategy becomes easier to manage and makes infestations more preventable.

Prevent

Integrated Rodent Management (IRM) is a proactive process that should provide safe, effective, economical and sustainable long-term management strategy within a local environment.

Integrated Rodent Management should focus on:
- Continual/frequent monitoring for rodent activity around the site.
- Management of local environmental conditions to exclude and reduce rodent activity.
- The potential for, or level of any actual rat or mouse activity.
- Training and awareness of those who may be involved with or affected by rodent activity.
- Consideration and application of effective and environmentally responsible control techniques.
- Complete record keeping documents.

The primary aim is to try to avoid an infestation and to identify early signs that rats or mice have become active. Once established, rats and mice can be difficult to eradicate.

Rodent infestations require:
- Food.
- Water (less important for house mice).
- Harbouroage (somewhere to live and nest).

If any of these factors are not present or have low availability, the site is less likely to attract or sustain a rodent infestation.

ERADICATION CAMPAIGN

If an infestation has been identified, consider and eliminate the different control options available, taking care not to adversely affect the surrounding environment and non-target species.

Preventative
- Hygiene Issues – Minimise rodent access to alternative food sources
  - Store grain and feed in secure areas behind closed doors.
  - Block up any obvious rodent access points.
  - Fit metal strips to the base of gnawed wooden doors.
  - Clear up all spilled grain and feed.
- Readily-available alternative food access can seriously restrict bait uptake.

Non-Chemical
- Traps are an important part of an Integrated Rodent Strategy and they come in different shapes, sizes, and types. They can also be used to help to identify the pest problem and for quick knock down of populations or problem rats and mice. Please always refer to user guidelines for the use and checking of traps.
  - Non toxic monitoring baits – for use to identify hotspots, re-invasion and presence of rats or mice without using chemical baits. Non toxic baits can be used to immediately identify activity so they can then be substituted with a chemical bait for your eradication campaign.

Baiting
- 1st Generation baits (for rats)
- Acutes (for mice)
- Gassing (for rats) away from buildings
- Second Generation Anticoagulants (SGARs) – (for rats and mice) in and around buildings

Place baiting points whenever you spot signs of rodent activity
- Along rat runs beside walls between living and feeding areas.
- Where tell-tale droppings, gnawing, footprints, smears are evident.
- In holes and burrows (if applicable in your country).
- Extending beyond obvious hot spots to ensure full farmstead control.
- The more the better, especially with mouse infestations.

To overcome rat neophobia site baiting points several days before putting out the bait.

Control Risk Hierarchy

Prevention
Is always preferable to control

Control
If activity is found or reported

Non-Chemical: Lethal

Alternatives

First Generation Anticoagulants (FGARs)

Second Generation Anticoagulants (SGARs)
### Responsible Farm Rodent Planning – Outside

1. Remove rubbish and clean-up site to prevent areas for rats to live in and move around under.

2. Prevent rodent ingress under doors. Fix kicker plates, re-hang door or change the floor – just keep them out!

3. Cut back vegetation close to building to remove cover for rodents to migrate from one place to another and around buildings.

4. All spilt food should be cleaned up immediately after it occurs. This is an alternative food source to your rodenticides and will affect how quickly you get bait take and therefore control.

5. Burrow bait where obvious active rat burrows appear. Use Neosorexa® Gold or Neosorexa® Bait Blocks directly into hole and then heel in soil to cover bait (if applicable in your country). Check bait daily.

6. Where evidence of rat activity is found use either Neosorexa® Gold or a secureable product such as Neosorexa® Paste or Bait blocks. Always cover bait and protect from non target species. You may use suitable materials on site or the Roguard bait station or Wide Piper offer more secured bait points where necessary.

### Responsible Farm Rodent Planning – Inside

1. Ensure all food rubbish is removed from site. For example: discarded boxes and containers, over spill from rubbish bins, discarded animal feed bags etc.

2. Split food and nesting material must be frequently removed to reduce possible activity becoming established.

3. For quick results start mouse control using snap traps. For 100% control the use of rodenticides may be required.

4. All spilt food should be cleaned up immediately after it occurs. This is an alternative food source to your rodenticides and will affect how quickly you get bait take and therefore control.

5. Signs such as heavy smear marks over the containers and bags, along with packaging damage on the cardboard boxes clearly show high mouse activity in the area.

6. Where evidence of mouse activity is found, place Sorexa® D or Storm® baits in a secure baiting station and inspect in accordance with the product label.

Mouse droppings found on stored items should be cleared away to allow ongoing monitoring.
Record Keeping And Due Diligence

Draw on here your outdoor and indoor areas for rodent control. Highlight key areas of activity and where you plan to use bait stations for your eradication campaign. Number your bait stations/traps on the diagram for the table overleaf. Also mark where any specific non-target species activity is seen and special care is needed.

Your Outdoor Farm Plan

Your Indoor Plan
**Action Plan**

- **Monitor (survey)**
  - A continual process using visual signs, cameras, non-toxic baits

- **Are there signs of rodent activity?**
  - YES → **Record actions and activities**
  - NO → **Complete a detailed survey of the local area**
    - What, Where, Why, How?
    - **Start eradication campaign**
      - Include all assessments and consider the best control option.

- **Any recommendations?**
  - eg. cleaning or exclusion.

- **Would physical control be effective?**
  - NO → **Implement physical controls**
  - YES → **Record campaign actions**
    - Or use in combination with

- **Chemical**
  - Read and follow product label instructions.
  - Follow CRRU Code.
  - Use control options responsibly.
  - **Control Risk Hierarchy**
    - No-Chemical: Lethal
    - First Generation Anticoagulants (FGARs)
    - Second Generation Anticoagulants (SGARs)
    - **Alternative Control Options**
      - In some situations these may be appropriate.

- **Is the campaign succeeding?**
  - NO → Re-assess eradication campaign
    - Carry out another survey to establish why control options are not working.
    - Reconsider the Control Risk Hierarchy.
    - Look to understand why campaign is failing.
  - YES

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**Rodent Eradication Campaign**

<table>
<thead>
<tr>
<th>Start Date: DD/MM/YYYY</th>
<th>Quantity (g/bait point)</th>
<th>Total Quantity (g/bait point)</th>
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<tbody>
<tr>
<td>DD/MM/YYYY</td>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Pest Type</th>
<th>Product Type</th>
<th>Start Date</th>
<th>Total Quantity (g/bait point)</th>
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<tbody>
<tr>
<td>Rats</td>
<td>Neosorexa Gold</td>
<td>10/5/17</td>
<td>200g</td>
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**Name of responsible person(s):**

**Monitor (survey)**

A continual process using visual signs, cameras, non-toxic baits

- Are there signs of rodent activity?
  - YES → Record actions and activities
  - NO → Complete a detailed survey of the local area
    - What, Where, Why, How?
    - Start eradication campaign
      - Include all assessments and consider the best control option.

- Any recommendations?
  - eg. cleaning or exclusion.

- Would physical control be effective?
  - NO → Implement physical controls
  - YES → Record campaign actions
    - Or use in combination with

- Chemical
  - Read and follow product label instructions.
  - Follow CRRU Code.
  - Use control options responsibly.
  - Control Risk Hierarchy
    - No-Chemical: Lethal
    - First Generation Anticoagulants (FGARs)
    - Second Generation Anticoagulants (SGARs)
    - Alternative Control Options
      - In some situations these may be appropriate.

- Is the campaign succeeding?
  - NO → Re-assess eradication campaign
    - Carry out another survey to establish why control options are not working.
    - Reconsider the Control Risk Hierarchy.
    - Look to understand why campaign is failing.
  - YES
## Campaign 2

<table>
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<th>No.</th>
<th>Location</th>
<th>Product Type</th>
<th>Pest Type</th>
<th>Start Date</th>
<th>Total Quantity (g/bait point)</th>
<th>Second Application</th>
<th>Total Quantity (g/bait point)</th>
<th>Third Application</th>
<th>Total Quantity (g/bait point)</th>
<th>Final Application</th>
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<tr>
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<td>Barn Door</td>
<td>Neosorexa Gold</td>
<td>Rats</td>
<td>10/5/17</td>
<td>200g</td>
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## Campaign 3

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<th>Total Quantity (g/bait point)</th>
<th>Second Application</th>
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<td>Rats</td>
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<td>200g</td>
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### Campaign 4

**Start Date:** DD/MM/YYYY

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### Campaign 5

**Start Date:** DD/MM/YYYY

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<th>Second Application</th>
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<th>Final Application</th>
<th>Quantity (g/bait point)</th>
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<td></td>
<td>Barn Door</td>
<td>Neosorexa</td>
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<td>200g</td>
<td>100g</td>
<td>100g</td>
<td>0g</td>
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The Best Bait Choices For Your Eradication Campaign

Neosorexa® Gold
The UK’s No1 rat and mouse bait with Fortec technology for increased bait consumption.

- Multi-purpose, cut wheat bait for effective and consistent control.
- Extremely palatable with Fortec technology for increased bait consumption.
- A lethal dose consumed within just one day.
- Proven superior performance to ordinary baits.
- Available as loose bait or 100g sachets.

Containing difenacoum, Neosorexa® Gold is the first rodent bait to use the patented Fortec technology. A mixture of foraging grain pellets and cut wheat means greater palatability and faster control of rats and mice.

What is Fortec?
A major advancement in rodenticide technology to aid modern rodent control. Fortec introduces a ‘new approach’ to rat management, offering more rapid and reliable control by exploiting rats’ natural feeding behaviour.

Touch Smell Taste

Neosorexa® Blocks
The most reliable multi feed block bait for rat and mouse control. Provides the best balance of palatability and durability in a highly efficacious block.

Neosorexa® Pasta Bait
The most reliable multi feed pasta bait for difficult-to-control rats and mice. Provides a moist, rich bait in a highly palatable and attractive formulation.

Sorexa® D
The ultimate canary seed bait for mouse control. Provides maximum uptake by mice in any situation.

Storm® Pasta
The soft block solution for faster all round rat and mouse control.

Storm® Mini Bits
The most appetising loose bait alternative.

Storm® Secure
The best combination of grain-based palatability, durability and securability.

The premium range of bait stations
Secure bait stations are an important way of minimising the risk of rodenticides to children, pets and other non-target species. Designed with a clear understanding of natural rodent behaviour. Roguard bait stations do this while also minimising the extent to which bait boxes restrict the uptake of rodenticides by rats in particular.

Use the Roguard Xtra for the greatest versatility
- Twin feeding chambers equally suited to any bait type – or a rat trap.
- Sufficient space to accommodate more than one rat at a time.
- Strong and robust with tamper-resistant locks and multiple anchorage points.

Use the Roguard Wide Piper for grain baiting simplicity
- Heavy-duty, gravity-fed dispenser in a pipe form familiar to rats.
- Designed for all grain baits.
- Clear bait hopper allows rapid visual consumption check.

Areas of use
It is essential to apply rodenticides only in those areas where their use is permitted by the product authorisation and as shown on the product label.
Campaign for Responsible Rodenticide Use

- Always have a planned approach.
- Always record quantity of bait used and where it is placed.
- Always use enough baiting points.
- Always collect and dispose of rodent bodies.
- Never leave bait exposed to non-target animals and birds.
- Never fail to inspect bait regularly.
- Never leave bait down at the end of the treatment.

Further Information and Support

Visit www.pestcontrol.basf.co.uk for simple pest control knowhow.

Content includes:
- Advice Notes on Rodent Baiting in Grain Stores, Rodent Baiting in Maize Silage, Milking Cluster Disinfection and Controlling Mice in Intensive Livestock Units.
- Storm® User Guide.
- Sorgene® 5 User Guide – Disinfectant for livestock and general farm use.
- Best Practice Dairy Calving Hygiene Smart Guide.
- Rodenticide Decider to help you choose the right rodenticide for your specific situation.

Online technical support:
Think Rat Resource – to help plan control programmes to take the greatest advantage of natural rodent behaviour.

Interactive Video Guides – to help save treatment time through the best control practice in a range of ‘real life’ situations.