

**EN**

***ANNEX***

**SUMMARY OF PRODUCT CHARACTERISTICS FOR A BIOCIDAL PRODUCT**

RUBY GRAIN

**Product type(s)**

PT14: Rodenticides

**Authorisation number:** IE/BPA 70529

**R4BP asset number:** IE-0000671-0000

## 1. ADMINISTRATIVE INFORMATION

### 1.1. Trade name(s) of the product

Trade name(s)	RUBY GRAIN RODED GRAIN BAIT
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### 1.2. Authorisation holder

Name and address of the authorisation holder	Name	LODI S.A.S.
	Address	Parc d'activités des Quatre Routes 35390 Grand Fougeray France
Authorisation number	IE/BPA 70529	
<i>R4BP asset number</i>	IE-0000671-0000	
Date of the authorisation	01/07/2011	
Expiry date of the authorisation	01/07/2026	

### 1.3. Manufacturer(s) of the product

Name of manufacturer	LODI
Address of manufacturer	Parc d'activités des 4 routes 35390 Grand Fougeray France
Location of manufacturing sites	Parc d'activités des 4 routes 35390 Grand Fougeray France  Parc d'activités du Pays du Grand Fougeray Espace Nord 24 et 26 rue des Pionniers 35390 GRAND FOUGERAY France

### 1.4. Manufacturer(s) of the active substance(s)

Active substance	Difenacoum
Name of manufacturer	Pelgar
Address of manufacturer	Unit 13, Newman Lane GU34 2QR ALTON HANTS United Kingdom of Great Britain and Northern Ireland (the)
Location of manufacturing sites	Prazska 280 02 Kolin Czechia

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## 2. PRODUCT COMPOSITION AND FORMULATION

### 2.1. Qualitative and quantitative information on the composition of the product

Common name	IUPAC name	Function	CAS number	EC number	Content (%)
Difenacoum	3-(3-biphenyl-4-yl-1,2,3,4-tetrahydro-1-naphthyl)-4-hydroxycoumarin	active substance	56073-07-5	259-978-4	0,005

### 2.2. Type(s) of formulation

RB Bait (ready for use)

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### 3. HAZARD AND PRECAUTIONARY STATEMENTS

Hazard statements	H360D: May damage the unborn child.  H373: May cause damage to organs (blood) through prolonged or repeated exposure { 1:state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard: }.
Precautionary statements	P201: Obtain special instructions before use.  P202: Do not handle until all safety precautions have been read and understood.  P260: Do not breathe dust.  P280: Wear protective gloves.  P308+P313: IF exposed or concerned: Get medical advice.  P314: Get medical attention if you feel unwell.  P405: Store locked up.  P501: Dispose of container to in accordance with applicable regulations.

## 4. AUTHORISED USE(S)

### 4.1. Use description

**Table 1. House mice - Professionals -Indoor**

Product type	PT14: Rodenticides
Where relevant, an exact description of the authorised use	Not relevant for rodenticides
Target organism(s) (including development stage)	<p>Scientific name: <i>Mus musculus</i>  Common name: house mouse  Development stage: adults</p> <p>Scientific name: <i>Mus musculus</i>  Common name: house mouse  Development stage: juveniles</p>
Field(s) of use	<p>indoor use</p> <p>Indoors</p>
Application method(s)	<p>Method: bait application</p> <p>Detailed description: Ready-to-use bait to be used in tamper-resistant bait stations</p>
Application rate(s) and frequency	<p>Application rate: 20-30 g of bait per bait station.</p> <p>Dilution (%): 0</p> <p>Number and timing of application:</p> <p>20-30 g of bait spaced 3 meters apart in case of high infestation and 5 meters apart in case of low infestation</p>
Category(ies) of users	professional
Pack sizes and packaging material	<p>Min pack size 2.5kg</p> <p>Grams of bait wrapped individually in PE/PP sachet: 25g or loose bait</p> <p>Package is restricted to separately packed bags with a maximum bag size of 10 kg</p> <p>Packaging material:</p> <p>Bucket (PP,PE):  25g: 2.5 kg (100*25), 3 kg (120*25), 3.5 kg (140*25), 4 kg (160*25), 4.5 kg (180*25), 5 kg (200*25), 5.5 kg (220*25), 6 kg (240*25),  6.5 kg (260*25), 7 kg (280*25), 7.5 kg (300*25), 8 kg (320*25), 8.5 kg (340*25), 9 kg (360*25), 9.5 kg (380*25), 10 kg (400*25)</p> <p>Loose bait: 1 kg, 1,5 kg, 2 kg, 2.5 kg, 3 kg, 3.5 kg, 4 kg, 4.5 kg, 5 kg, 5.5 kg, 6 kg, 6.5 kg, 7 kg, 7.5 kg, 8 kg, 8.5 kg, 9 kg, 9.5 kg and 10 kg</p> <p>Cardboard box with inner liner in PE / paper craft bag with inner liner in PE (loose bait) : 5 kg, 10 kg and 20 kg (Each individual</p>

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	bag must be maximum 10kg, but two 10kg bags may be contained in an outer bag)
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	Cardboard box of wrapped sachets of 25g (PP/PE): 2.5 kg (100*25), 3 kg (120*25), 3.5 kg (140*25), 4 kg (160*25), 4.5 kg (180*25), 5 kg (200*25), 5.5 kg (220*25), 6 kg (240*25), 6.5 kg (260*25), 7 kg (280*25), 7.5 kg (300*25), 8 kg (320*25), 8.5 kg (340*25), 9 kg (360*25), 9.5 kg (380*25), 10 kg (400*25)
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#### **4.1.1. Use-specific instructions**

- The bait stations should be visited at least every 2 to 3 days at the beginning of the treatment and at least weekly afterwards, in order to check whether the bait is accepted, the bait stations are intact and to remove rodent bodies. Re-fill bait when necessary.

- [When available] Follow any additional instructions provided by the relevant code of best practice.

#### **4.1.2. Use-specific risk mitigation measures**

#### **4.1.3. Use-specific risk mitigation measures**

None.

#### **4.1.4. Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment**

When placing bait stations close to water drainage systems, ensure that bait contact with water is avoided.

#### **4.1.5. Where specific to the use, the instructions for safe disposal of the product and its packaging**

None

#### **4.1.6. Where specific to the use, the conditions of storage and shelf-life of the product under normal conditions of storage**

None

## 4.2. Use description

**Table 2. Rat - Professionals - Indoor**

Product type	PT14: Rodenticides
Where relevant, an exact description of the authorised use	Not relevant for rodenticides
Target organism(s) (including development stage)	<p>Scientific name: <i>Rattus norvegicus</i>  Common name: brown rat  Development stage: adults</p> <p>Scientific name: <i>Rattus norvegicus</i>  Common name: brown rat  Development stage: juveniles</p> <p>Scientific name: <i>Rattus rattus</i>  Common name: roof rat  Development stage: adults</p> <p>Scientific name: <i>Rattus rattus</i>  Common name: roof rat  Development stage: juveniles</p>
Field(s) of use	<p>indoor use</p> <p>Indoors</p>
Application method(s)	<p>Method: bait application</p> <p>Detailed description: Ready-to-use bait to be used in tamper-resistant bait stations</p>
Application rate(s) and frequency	<p>Application rate: 90-100 g of bait per bait station</p> <p>Dilution (%): 0</p> <p>Number and timing of application:  90-100 g of bait per bait station.</p> <p>If more than one bait station is needed, the minimum distance between bait stations should be of 5 meters (high infestation). If there is a low infestation the distance between bait stations should be 10 meters.</p>
Category(ies) of users	professional
Pack sizes and packaging material	<p>Minimum pack size 2.5kg</p> <p><b>Grams of bait wrapped individually in PE/PP sachet: 25, 50 or 100</b></p> <p><b>or loose bait</b></p>

Package is restricted to separately packed bags with a maximum bag size of 10 kg.

**Packaging material:**

**Bucket (PP,PE):**

25g: 2.5 kg (100\*25), 3 kg (120\*25), 3.5 kg (140\*25), 4 kg (160\*25), 4.5 kg (180\*25), 5 kg (200\*25), 5.5 kg (220\*25), 6 kg (240\*25),

6.5 kg (260\*25), 7 kg (280\*25), 7.5 kg (300\*25), 8 kg (320\*25), 8.5 kg (340\*25), 9 kg (360\*25), 9.5 kg (380\*25), 10 kg (400\*25)

50g: 2.5 kg (50\*50), 3 kg (60\*50), 3.5 kg (70\*50), 4 kg (80\*50), 4.5 kg (90\*50), 5 kg (100\*50), 5.5 kg (110\*50), 6 kg (120\*50),

6.5 kg (130\*50), 7 kg (140\*25), 7.5 kg (150\*50), 8 kg (160\*50), 8.5 kg (170\*50), 9 kg (180\*50), 9.5 kg (190\*50), 10 kg (200\*50)

100g: 2.5 kg (25\*100), 3 kg (30\*100), 3.5 kg (35\*100), 4 kg (40\*100), 4.5 kg (45\*100), 5 kg (50\*100), 5.5 kg (55\*100), 6 kg (60\*100), 6.5 kg (65\*100), 7 kg (70\*100), 7.5 kg (75\*100), 8 kg (80\*100), 8.5 kg

(85\*100), 9 kg (90\*100), 9.5 kg (95\*100), 10 kg (100\*100)

Loose bait: 2.5 kg, 3 kg, 3.5 kg, 4 kg, 4.5 kg, 5 kg, 5.5 kg, 6 kg, 6.5

kg, 7 kg, 7.5 kg, 8 kg, 8.5 kg, 9 kg, 9.5 kg and 10 kg

**Cardboard box with inner liner in PE / paper craft bag with inner liner in PE (loose bait) :** 5 kg, 10 kg and 20 kg (Each individual bag must be maximum 10kg, but two 10kg bags may be contained in an outer bag)

**Cardboard box with wrapped PE/PP sachets of 25, 50 or 100 g:**

25g: 2.5 kg (100\*25), 3 kg (120\*25), 3.5 kg (140\*25), 4 kg (160\*25), 4.5 kg (180\*25), 5 kg (200\*25), 5.5 kg (220\*25), 6 kg (240\*25),

6.5 kg (260\*25), 7 kg (280\*25), 7.5 kg (300\*25), 8 kg (320\*25), 8.5 kg (340\*25), 9 kg (360\*25), 9.5 kg (380\*25), 10 kg (400\*25)

50g: 2.5 kg (50\*50), 3 kg (60\*50), 3.5 kg (70\*50), 4 kg (80\*50), 4.5 kg (90\*50), 5 kg (100\*50), 5.5 kg (110\*50), 6 kg (120\*50),

6.5 kg (130\*50), 7 kg (140\*25), 7.5 kg (150\*50), 8 kg (160\*50), 8.5 kg (170\*50), 9 kg (180\*50), 9.5 kg (190\*50), 10 kg (200\*50)

100g: 2.5 kg (25\*100), 3 kg (30\*100), 3.5 kg (35\*100), 4 kg (40\*100), 4.5 kg (45\*100), 5 kg (50\*100), 5.5 kg (55\*100), 6 kg (60\*100), 6.5 kg (65\*100), 7 kg (70\*100), 7.5 kg (75\*100), 8 kg (80\*100), 8.5 kg

(85\*100), 9 kg (90\*100), 9.5 kg (95\*100), 10 kg (100\*100)

#### 4.2.1. Use-specific instructions

- The bait stations should be visited only 5 to 7 days after the beginning of the treatment and at least weekly afterwards, in order to check whether the bait is accepted, the bait stations are intact and to remove rodent bodies. Re-fill bait when necessary.

- [When available] Follow any additional instructions provided by the relevant code of best practice.



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**4.2.2. Use-specific risk mitigation measures**

**4.2.3. Use-specific risk mitigation measures**

None.

**4.2.4. Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment**

When placing bait stations close to water drainage systems, ensure that bait contact with water is avoided.

**4.2.5. Where specific to the use, the instructions for safe disposal of the product and its packaging**

None

**4.2.6. Where specific to the use, the conditions of storage and shelf-life of the product under normal conditions of storage**

None

**4.3. Use description**

**Table 3. House mice and/or rats - Professionnals - Outdoor and around buildings**

Product type	PT14: Rodenticides
Where relevant, an exact description of the authorised use	Not relevant for rodenticides
Target organism(s) (including development stage)	Scientific name: <i>Rattus norvegicus</i> Common name: Brown rat Development stage: Adults and Juveniles  Scientific name: <i>Mus musculus</i> Common name: house mouse Development stage: Adults and Juveniles  Scientific name: <i>Rattus rattus</i> Common name: roof rat Development stage: Adults & Juveniles
Field(s) of use	outdoor use Other

	Outdoors around buildings
Application method(s)	Method: bait application  Detailed description: Ready-to-use bait to be used in tamper-resistant bait stations
Application rate(s) and frequency	Application rate: Mice : 20-30 g/ Rats 90-100 g of bait  Dilution (%): 0  Number and timing of application:  <b>Mice</b>  Low infestation – 20-30g bait in bait points every 5 metres High infestation – 20-30g bait in bait points every 3 metres <b>Rats</b> Low infestation – 90 - 100g bait in bait points every 10 metres High infestation – 90 - 100g bait in bait points every 5 metres
Category(ies) of users	professional
Pack sizes and packaging material	Minimum pack size 2.5kg <b>Grams of bait wrapped individually in PE/PP sachet: 25, 50 or 100 or loose bait</b>  Package is restricted to separately packed bags with a maximum bag size of 10 kg.  <b>Packaging material:</b> <b>Bucket (PP,PE):</b> <u>25g:</u> 2.5 kg (100*25), 3 kg (120*25), 3.5 kg (140*25), 4 kg (160*25), 4.5 kg (180*25), 5 kg (200*25), 5.5 kg (220*25), 6 kg (240*25), 6.5 kg (260*25), 7 kg (280*25), 7.5 kg (300*25), 8 kg (320*25), 8.5 kg (340*25), 9 kg (360*25), 9.5 kg (380*25), 10 kg (400*25) <u>50g:</u> 2.5 kg (50*50), 3 kg (60*50), 3.5 kg (70*50), 4 kg (80*50), 4.5 kg (90*50), 5 kg (100*50), 5.5 kg (110*50), 6 kg (120*50), 6.5 kg (130*50), 7 kg (140*25), 7.5 kg (150*50), 8 kg (160*50), 8.5 kg (170*50), 9 kg (180*50), 9.5 kg (190*50), 10 kg (200*50) <u>100g:</u> 2.5 kg (25*100), 3 kg (30*100), 3.5 kg (35*100), 4 kg (40*100), 4.5 kg (45*100), 5 kg (50*100), 5.5 kg (55*100), 6 kg (60*100), 6.5 kg (65*100), 7 kg (70*100), 7.5 kg (75*100), 8 kg (80*100), 8.5 kg (85*100), 9 kg (90*100), 9.5 kg (95*100), 10 kg (100*100) <u>Loose bait:</u> 2.5 kg, 3 kg, 3.5 kg, 4 kg, 4.5 kg, 5 kg, 5.5 kg, 6 kg, 6.5 kg, 7 kg, 7.5 kg, 8 kg, 8.5 kg, 9 kg, 9.5 kg and 10 kg  <b>Cardboard box with inner liner in PE / paper craft bag with inner liner in PE (loose bait) : 5 kg, 10 kg and 20 kg (Each individual bag must be maximum 10kg, but two 10kg bags may be contained in an outer bag)</b> <b>Cardboard box with wrapped PE/PP sachets of 25, 50 or 100 g:</b>

<p><u>25g</u>: 2.5 kg (100*25), 3 kg (120*25), 3.5 kg (140*25), 4 kg (160*25), 4.5 kg (180*25), 5 kg (200*25), 5.5 kg (220*25), 6 kg (240*25), 6.5 kg (260*25), 7 kg (280*25), 7.5 kg (300*25), 8 kg (320*25), 8.5 kg (340*25), 9 kg (360*25), 9.5 kg (380*25), 10 kg (400*25)</p> <p><u>50g</u>: 2.5 kg (50*50), 3 kg (60*50), 3.5 kg (70*50), 4 kg (80*50), 4.5 kg (90*50), 5 kg (100*50), 5.5 kg (110*50), 6 kg (120*50), 6.5 kg (130*50), 7 kg (140*25), 7.5 kg (150*50), 8 kg (160*50), 8.5 kg (170*50), 9 kg (180*50), 9.5 kg (190*50), 10 kg (200*50)</p> <p><u>100g</u>: 2.5 kg (25*100), 3 kg (30*100), 3.5 kg (35*100), 4 kg (40*100), 4.5 kg (45*100), 5 kg (50*100), 5.5 kg (55*100), 6 kg (60*100), 6.5 kg (65*100), 7 kg (70*100), 7.5 kg (75*100), 8 kg (80*100), 8.5 kg (85*100), 9 kg (90*100), 9.5 kg (95*100), 10 kg (100*100)</p>
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#### 4.3.1. Use-specific instructions

- Protect bait from the atmospheric conditions (e.g. rain, snow, etc.). Place the bait stations in areas not liable to flooding.
- The bait stations should be visited [*for mice* - at least every 2 to 3 days at] [*for rats* - only 5 to 7 days after] the beginning of the treatment and at least weekly afterwards, in order to check whether the bait is accepted, the bait stations are intact and to remove rodent bodies. Re-fill bait when necessary.
- Replace any bait in a bait station in which bait has been damaged by water or contaminated by dirt.
- [*When available*] Follow any additional instructions provided by the relevant code of best practice.

#### 4.3.2. Use-specific risk mitigation measures

#### 4.3.3. Use-specific risk mitigation measures

- Do not apply this product directly in the burrows

#### 4.3.4. Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment

- When placing bait stations close to surface waters (e.g. rivers, ponds, water channels, dykes, irrigation ditches) or water drainage systems, ensure that bait contact with water is avoided.

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**4.3.5. Where specific to the use, the instructions for safe disposal of the product and its packaging**

None

**4.3.6. Where specific to the use, the conditions of storage and shelf-life of the product under normal conditions of storage**

None

**4.4. Use description**

**Table 4. House mice and/or rats - Trained professionals - Indoor**

Product type	PT14: Rodenticides
Where relevant, an exact description of the authorised use	Not relevant for rodenticides
Target organism(s) (including development stage)	Scientific name: <i>Rattus norvegicus</i> Common name: brown rat Development stage: Adults and Juveniles  Scientific name: <i>Mus musculus</i> Common name: house mouse Development stage: Adults and Juveniles  Scientific name: <i>Rattus rattus</i> Common name: roof rat Development stage: Adults & Juveniles
Field(s) of use	indoor use  Indoors
Application method(s)	Method: bait application  Detailed description: Ready-to-use bait to be used in covered bait points or in tamper-resistant bait stations
Application rate(s) and frequency	Application rate: For rats: 90-100g / For mice 20-30g, Permanent baiting - For rats: 90-100g / For mice 20-30g  Dilution (%): 0  Number and timing of application:  For rats 90-100g, for mice 20-30g.  Mice

	<p>Low infestation – 20-30g bait in bait points every 5 metres (distance relates to IE only)</p> <p>High infestation – 20-30g bait in bait points every 3 metres (distance relates to IE only)</p> <p>Rats</p> <p>Low infestation – 90 - 100g bait in bait points every 10 metres High infestation – 90 - 100g bait in bait points every 5 metres</p> <p>- Permanent baiting –</p> <p>Mice</p> <p>- High infestation: (20-30) g of bait per baiting point every 3 meters</p> <p>- Low infestation: (20-30) g of bait per baiting point every 5 meters</p> <p>Rats</p> <p>- High infestation: (90-100) g of bait per baiting point every 5 meters - Low infestation: (90-100) g of bait per baiting point every 10 meters</p>
Category(ies) of users	trained professional
Pack sizes and packaging material	<p>Min pack size 2.5kg</p> <p>Grams of bait wrapped individually in PE/PP sachet: 25g or loose bait</p> <p>Package is restricted to separately packed bags with a maximum <u>bag</u> size of 10 kg.</p> <p>Packaging material:</p> <p>Bucket (PP,PE):</p> <p>25g: 2.5 kg (100*25), 3 kg (120*25), 3.5 kg (140*25), 4 kg (160*25), 4.5 kg (180*25), 5 kg (200*25), 5.5 kg (220*25), 6 kg (240*25),</p> <p>6.5 kg (260*25), 7 kg (280*25), 7.5 kg (300*25), 8 kg (320*25), 8.5 kg (340*25), 9 kg (360*25), 9.5 kg (380*25), 10 kg (400*25)</p>

	<p>Loose bait: 1 kg, 1,5 kg, 2 kg, 2.5 kg, 3 kg, 3.5 kg, 4 kg, 4.5 kg, 5 kg, 5.5 kg, 6 kg, 6.5 kg, 7 kg, 7.5 kg, 8 kg, 8.5 kg, 9 kg, 9.5 kg and 10 kg</p> <p>Cardboard box with inner liner in PE / paper craft bag with inner liner in PE (loose bait) : 5 kg, 10 kg and 20 kg (Each individual bag must be maximum 10kg, but two 10kg bags may be contained in an outer bag)</p> <p>Cardboard box of wrapped sachets of 25g (PP/PE): 2.5 kg (100*25), 3 kg (120*25), 3.5 kg (140*25), 4 kg (160*25), 4.5 kg (180*25), 5 kg (200*25), 5.5 kg (220*25), 6 kg (240*25), 6.5 kg (260*25), 7 kg (280*25), 7.5 kg (300*25), 8 kg (320*25), 8.5 kg (340*25), 9 kg (360*25), 9.5 kg (380*25), 10 kg (400*25)</p>
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#### 4.4.1. Use-specific instructions

- Remove the remaining product at the end of treatment period.
  - [When available] Follow any additional instructions provided by the relevant code of best practice.
  - For permanent baiting - Where possible, it is recommended that the treated area is revisited every 4 weeks at the latest in order to avoid any selection of a resistant population.
- [When available] Follow any additional instructions provided by the relevant code of best practice.

#### 4.4.2. Use-specific risk mitigation measures

#### 4.4.3. Use-specific risk mitigation measures

- Where possible, prior to the treatment inform any possible bystanders (e.g. users of the treated area and their surroundings) about the rodent control campaign [in accordance with the applicable code of good practice, if any].
- Consider preventive control measures (e.g. plug holes, remove potential food and drinking as far as possible) to improve product intake and reduce the likelihood of reinvasion.
- To reduce risk of secondary poisoning, search for and remove dead rodents during treatment at frequent intervals, in line with the recommendations provided by the relevant code of best practice
- Permanent baiting is strictly limited to sites with a high potential for reinvasion when other methods of control have proven insufficient.

The permanent baiting strategy shall be periodically reviewed in the context of integrated pest management (IPM) and the assessment of the risk for re-infestation.

- Do not use this product in pulsed baiting treatments.

#### 4.4.4. Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment

When placing bait stations close to water drainage systems, ensure that bait contact with water is avoided.

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**4.4.5. Where specific to the use, the instructions for safe disposal of the product and its packaging**

None

**4.4.6. Where specific to the use, the conditions of storage and shelf-life of the product under normal conditions of storage**

None

**4.5. Use description**

**Table 5. House mice and/or rats - Trained professionals - Outdoor around buildings**

Product type	PT14: Rodenticides
Where relevant, an exact description of the authorised use	Not relevant for rodenticides
Target organism(s) (including development stage)	Scientific name: <i>Rattus norvegicus</i> Common name: Brown rat Development stage: Adults and Juveniles  Scientific name: <i>Mus musculus</i> Common name: house mouse Development stage: Adults and Juveniles  Scientific name: <i>Rattus rattus</i> Common name: roof rat Development stage: Adults & Juveniles
Field(s) of use	outdoor use Other  Outdoors and around buildings
Application method(s)	Method: bait application  Detailed description: Ready-to-use bait to be used in covered bait points or in tamper-resistant bait stations, and in direct application of ready-to-use bait into the burrow.
Application rate(s) and frequency	Application rate: rats: 90-100g /mice: 20-30g  Dilution (%): 0  Number and timing of application:

	<p><b>Mice</b>  Low infestation – 20-30 g bait in bait points every 5 metres  High infestation – 20-30 g bait in bait points every 3 metres</p> <p><b>Rats</b>  Low infestation – 90 - 100g bait in bait points every 10 metres  High infestation – 90 - 100g bait in bait points every 5 metres  - In burrows: 90-100g of bait per burrow.</p> <p>- Permanent baiting –</p> <p>Mice  - High infestation: (20-30) g of bait per baiting point every 3 meters  - Low infestation: (20-30) g of bait per baiting point every 5 meters</p> <p>Rats  - High infestation: (90-100) g of bait per baiting point every 5 meters  - Low infestation: (90-100) g of bait per baiting point every 10 meters</p>
Category(ies) of users	trained professional
Pack sizes and packaging material	<p>Minimum pack size 2.5kg  <b>Grams of bait wrapped individually in PE/PP sachet: 25, 50 or 100 or loose bait</b></p> <p>Package is restricted to separately packed bags with a maximum <u>bag</u> size of 10 kg.</p> <p><b>Packaging material:</b>  <b>Bucket (PP,PE):</b>  <u>25g:</u> 2.5 kg (100*25), 3 kg (120*25), 3.5 kg (140*25), 4 kg (160*25), 4.5 kg (180*25), 5 kg (200*25), 5.5 kg (220*25), 6 kg (240*25),  6.5 kg (260*25), 7 kg (280*25), 7.5 kg (300*25), 8 kg (320*25), 8.5 kg (340*25), 9 kg (360*25), 9.5 kg (380*25), 10 kg (400*25)  <u>50g:</u> 2.5 kg (50*50), 3 kg (60*50), 3.5 kg (70*50), 4 kg (80*50), 4.5 kg (90*50), 5 kg (100*50), 5.5 kg (110*50), 6 kg (120*50), 6.5 kg (130*50), 7 kg (140*25), 7.5 kg (150*50), 8 kg (160*50), 8.5 kg (170*50), 9 kg (180*50), 9.5 kg (190*50), 10 kg (200*50)  <u>100g:</u> 2.5 kg (25*100), 3 kg (30*100), 3.5 kg (35*100), 4 kg (40*100), 4.5 kg (45*100), 5 kg (50*100), 5.5 kg (55*100), 6 kg (60*100), 6.5 kg (65*100), 7 kg (70*100), 7.5 kg (75*100), 8 kg (80*100), 8.5 kg (85*100), 9 kg (90*100), 9.5 kg (95*100), 10 kg (100*100)  <u>Loose bait:</u> 2.5 kg, 3 kg, 3.5 kg, 4 kg, 4.5 kg, 5 kg, 5.5 kg, 6 kg, 6.5</p>



kg, 7 kg, 7.5 kg, 8 kg, 8.5 kg, 9 kg, 9.5 kg and 10 kg

**Cardboard box with inner liner in PE / paper craft bag with inner liner in PE (loose bait) :** 5 kg, 10 kg and 20 kg (Each individual bag must be maximum 10kg, but two 10kg bags may be contained in an outer bag)

**Cardboard box with wrapped PE/PP sachets** of 25, 50 or 100 g:  
25g: 2.5 kg (100\*25), 3 kg (120\*25), 3.5 kg (140\*25), 4 kg (160\*25), 4.5 kg (180\*25), 5 kg (200\*25), 5.5 kg (220\*25), 6 kg (240\*25),  
6.5 kg (260\*25), 7 kg (280\*25), 7.5 kg (300\*25), 8 kg (320\*25), 8.5 kg (340\*25), 9 kg (360\*25), 9.5 kg (380\*25), 10 kg (400\*25)  
50g: 2.5 kg (50\*50), 3 kg (60\*50), 3.5 kg (70\*50), 4 kg (80\*50), 4.5 kg (90\*50), 5 kg (100\*50), 5.5 kg (110\*50), 6 kg (120\*50), 6.5 kg (130\*50), 7 kg (140\*25), 7.5 kg (150\*50), 8 kg (160\*50), 8.5 kg (170\*50), 9 kg (180\*50), 9.5 kg (190\*50), 10 kg (200\*50)  
100g: 2.5 kg (25\*100), 3 kg (30\*100), 3.5 kg (35\*100), 4 kg (40\*100), 4.5 kg (45\*100), 5 kg (50\*100), 5.5 kg (55\*100), 6 kg (60\*100), 6.5 kg (65\*100), 7 kg (70\*100), 7.5 kg (75\*100), 8 kg (80\*100), 8.5 kg (85\*100), 9 kg (90\*100), 9.5 kg (95\*100), 10 kg (100\*100)

#### 4.5.1. Use-specific instructions

- Protect bait from the atmospheric conditions (e.g. rain, snow, etc.). Place the bait stations in areas not liable to flooding.
- Replace any bait in baiting points in which bait has been damaged by water or contaminated by dirt.
- Remove the remaining product at the end of treatment period.
- For permanent baiting - Where possible, it is recommended that the treated area is revisited every 4 weeks at the latest in order to avoid any selection of a resistant population.
- [When available] Follow any additional instructions provided by the relevant code of best practice.
- [For outdoor use, baiting points must be covered and placed in strategic sites to minimise the exposure to non-target species]. [When available] Follow any additional instructions provided by the relevant code of best practice.
- When used in burrows: Baits must be placed to minimise the exposure to non-target species and children. Cover or block the entrances of baited burrows to reduce the risks of bait being rejected and spilled. [When available] Follow any additional instructions provided by the relevant code of best practice.

#### 4.5.2. Use-specific risk mitigation measures

#### 4.5.3. Use-specific risk mitigation measures

- Where possible, prior to the treatment inform any possible bystanders (e.g. users of the treated area and their surroundings) about the rodent control campaign [in accordance with the applicable code of good practice, if any].

- Consider preventive control measures (e.g. plug holes, remove potential food and drink as far as possible) to improve product intake and reduce the likelihood of reinvasion.
- To reduce risk of secondary poisoning, search for and remove dead rodents during treatment at frequent intervals, in line with the recommendations provided by the relevant code of best practice
- Permanent baiting is strictly limited to sites with a high potential for reinvasion when other methods of control have proven insufficient.

The permanent baiting strategy shall be periodically reviewed in the context of integrated pest management (IPM) and the assessment of the risk for re-infestation.

- Do not use this product in pulsed baiting treatments.

#### **4.5.4. Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment**

When placing bait points close to surface waters (e.g. rivers, ponds, water channels, dykes, irrigation ditches) or water drainage systems, ensure that bait contact with water is avoided.

#### **4.5.5. Where specific to the use, the instructions for safe disposal of the product and its packaging**

None

#### **4.5.6. Where specific to the use, the conditions of storage and shelf-life of the product under normal conditions of storage**

None

### **4.6. Use description**

**Table 6. Rats -Trained Professionals - Outdoor open areas & waste dumps**

Product type	PT14: Rodenticides
Where relevant, an exact description of the authorised use	Not relevant for rodenticides
Target organism(s) (including development stage)	Scientific name: <i>Rattus norvegicus</i> Common name: brown rat Development stage: Adults and Juveniles  Scientific name: <i>Rattus rattus</i> Common name: roof rat Development stage: Adults & Juveniles
Field(s) of use	outdoor use

	Other Outdoor open areas & waste dumps
Application method(s)	Method: bait application  Detailed description: Ready-to-use bait to be used in covered bait points or in tamper-resistant bait stations, and in direct application of ready-to-use bait into the burrow.
Application rate(s) and frequency	Application rate: 90-100g  Dilution (%): 0  Number and timing of application:  90-100g spaced 10m apart (5m apart in areas of high infestation) <b>Rats</b> Low infestation – 90 - 100g bait in bait points every 10 metres High infestation – 90 - 100g bait in bait points every 5 metres - In burrows: 90-100g of bait per burrow.
Category(ies) of users	trained professional
Pack sizes and packaging material	Minimum pack size 2.5kg <b>Grams of bait wrapped individually in PE/PP sachet: 25, 50 or 100 g or loose bait</b>  Package is restricted to separately packed bags with a maximum bag size of 10 kg.  <b>Packaging material:</b> <b>Bucket (PP,PE):</b> 25g: 2.5 kg (100*25), 3 kg (120*25), 3.5 kg (140*25), 4 kg (160*25), 4.5 kg (180*25), 5 kg (200*25), 5.5 kg (220*25), 6 kg (240*25), 6.5 kg (260*25), 7 kg (280*25), 7.5 kg (300*25), 8 kg (320*25), 8.5 kg (340*25), 9 kg (360*25), 9.5 kg (380*25), 10 kg (400*25) 50g: 2.5 kg (50*50), 3 kg (60*50), 3.5 kg (70*50), 4 kg (80*50), 4.5 kg (90*50), 5 kg (100*50), 5.5 kg (110*50), 6 kg (120*50), 6.5 kg (130*50), 7 kg (140*25), 7.5 kg (150*50), 8 kg (160*50), 8.5 kg (170*50), 9 kg (180*50), 9.5 kg (190*50), 10 kg (200*50) 100g: 2.5 kg (25*100), 3 kg (30*100), 3.5 kg (35*100), 4 kg (40*100), 4.5 kg (45*100), 5 kg (50*100), 5.5 kg (55*100), 6 kg (60*100), 6.5 kg (65*100), 7 kg (70*100), 7.5 kg (75*100), 8 kg (80*100), 8.5 kg (85*100), 9 kg (90*100), 9.5 kg (95*100), 10 kg (100*100) <u>Loose bait:</u> 2.5 kg, 3 kg, 3.5 kg, 4 kg, 4.5 kg, 5 kg, 5.5 kg, 6 kg, 6.5 kg, 7 kg, 7.5 kg, 8 kg, 8.5 kg, 9 kg, 9.5 kg and 10 kg

**Cardboard box with inner liner in PE / paper craft bag with inner liner in PE (loose bait) :** 5 kg, 10 kg and 20 kg (Each individual bag must be maximum 10kg, but two 10kg bags may be contained in an outer bag)

**Cardboard box with wrapped PE/PP sachets of 25, 50 or 100 g:**  
25g: 2.5 kg (100\*25), 3 kg (120\*25), 3.5 kg (140\*25), 4 kg (160\*25), 4.5 kg (180\*25), 5 kg (200\*25), 5.5 kg (220\*25), 6 kg (240\*25),  
6.5 kg (260\*25), 7 kg (280\*25), 7.5 kg (300\*25), 8 kg (320\*25), 8.5 kg (340\*25), 9 kg (360\*25), 9.5 kg (380\*25), 10 kg (400\*25)  
50g: 2.5 kg (50\*50), 3 kg (60\*50), 3.5 kg (70\*50), 4 kg (80\*50), 4.5 kg (90\*50), 5 kg (100\*50), 5.5 kg (110\*50), 6 kg (120\*50), 6.5 kg (130\*50), 7 kg (140\*25), 7.5 kg (150\*50), 8 kg (160\*50), 8.5 kg (170\*50), 9 kg (180\*50), 9.5 kg (190\*50), 10 kg (200\*50)  
100g: 2.5 kg (25\*100), 3 kg (30\*100), 3.5 kg (35\*100), 4 kg (40\*100), 4.5 kg (45\*100), 5 kg (50\*100), 5.5 kg (55\*100), 6 kg (60\*100), 6.5 kg (65\*100), 7 kg (70\*100), 7.5 kg (75\*100), 8 kg (80\*100), 8.5 kg (85\*100), 9 kg (90\*100), 9.5 kg (95\*100), 10 kg (100\*100)

#### **4.6.1. Use-specific instructions**

- Protect bait from the atmospheric conditions (e.g. rain, snow, etc.). Place the bait stations in areas not liable to flooding.
- Replace any bait in baiting points in which bait has been damaged by water or contaminated by dirt.
- Remove the remaining product at the end of treatment period.
- [When available] Follow any additional instructions provided by the relevant code of best practice.
- For permanent baiting - Where possible, it is recommended that the treated area is revisited every 4 weeks at the latest in order to avoid any selection of a resistant population.  
[When available] Follow any additional instructions provided by the relevant code of best practice.
- [For outdoor use, baiting points must be covered and placed in strategic sites to minimise the exposure to non-target species]. [When available] Follow any additional instructions provided by the relevant code of best practice.
- When used in burrows: Baits must be placed to minimise the exposure to non-target species and children. Cover or block the entrances of baited burrows to reduce the risks of bait being rejected and spilled. [When available] Follow any additional instructions provided by the relevant code of best practice.

#### **4.6.2. Use-specific risk mitigation measures**

#### **4.6.3. Use-specific risk mitigation measures**

- Where possible, prior to the treatment inform any possible bystanders (e.g. users of the treated area and their surroundings) about the rodent control campaign [in accordance with the applicable code of good practice, if any].

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- To reduce risk of secondary poisoning, search for and remove dead rodents during treatment at frequent intervals, in line with the recommendations provided by the relevant code of best practice.
  - Permanent baiting is strictly limited to sites with a high potential for reinvasion when other methods of control have proven insufficient.
  - The permanent baiting strategy shall be periodically reviewed in the context of integrated pest management (IPM) and the assessment of the risk for re-infestation.
  - Do not use this product for pulsed baiting.

#### **4.6.4. Where specific to the use, the particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment**

When placing bait points close to surface waters (e.g. rivers, ponds, water channels, dykes, irrigation ditches) or water drainage systems, ensure that bait contact with water is avoided.

#### **4.6.5. Where specific to the use, the instructions for safe disposal of the product and its packaging**

None

#### **4.6.6. Where specific to the use, the conditions of storage and shelf-life of the product under normal conditions of storage**

None

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## 5. GENERAL DIRECTIONS FOR USE<sup>1</sup>

### 5.1. Instructions for use

#### Professionals

- Read and follow the product information as well as any information accompanying the product or provided at the point of sale before using it.
- Carry out a pre-baiting survey of the infested area and an on-site assessment in order to identify the rodent species, their places of activity and determine the likely cause and the extent of the infestation.
- Remove food which is readily attainable for rodents (e.g. spilled grain or food waste). Apart from this, do not clean up the infested area just before the treatment, as this only disturbs the rodent population and makes bait acceptance more difficult to achieve.
- The product should only be used as part of an integrated pest management (IPM) system, including, amongst others, hygiene measures and, where possible, physical methods of control.
- Consider preventive control measures (e.g. plug holes, remove potential food and drink as far as possible) to improve product intake and reduce the likelihood of reinvasion.
- Bait stations/ points should be placed in the immediate vicinity of places where rodent activity has been previously observed (e.g. travel paths, nesting sites, feedlots, holes, burrows etc.).
- Where possible, bait stations must be fixed to the ground or other structures.
- Bait stations must be clearly labelled to show they contain rodenticides and that they must not be moved or opened (see section 2.5.3 for the information to be shown on the label).
- [If national policy or legislation require it] When the product is being used in public areas, the areas treated should be marked during the treatment period and a notice explaining the risk of primary or secondary poisoning by the anticoagulant as well as indicating the first measures to be taken in case of poisoning must be made available alongside the baits.
- Bait should be secured so that it cannot be dragged away from the bait station.
- Place the product out of the reach of children, birds, pets, farm animals and other non-target animals.
- Place the product away from food, drink and animal feeding stuffs, as well as from utensils or surfaces that have contact with these.
- Wear protective chemical resistant gloves during product handling phase (glove material to be specified by the authorisation holder within the product information).
- When using the product do not eat, drink or smoke. Wash hands and directly exposed skin after using the product.
- If bait uptake is low relative to the apparent size of the infestation, consider the replacement of bait stations to further places and the possibility to change to another bait formulation.
- If after a treatment period of 35 days baits are continued to be consumed and no decline in rodent activity can be observed, the likely cause has to be determined. Where other elements have been excluded, it is likely that there are resistant rodents so consider the use of a non-anticoagulant rodenticide, where available, or a more potent anticoagulant rodenticide. Also consider the use of traps as an alternative control measure.
- Remove the remaining bait or the bait stations at the end of the treatment period.
- Bait in sachets: Do not open the sachets containing the bait.
- Loose pellets-granules, grains: Place the bait in the bait station by using a dosage devise. Specify the methods to minimise dust (e.g. wet wiping).

#### **Trained professional:**

- Read and follow the product information as well as any information accompanying the product or provided at the point of sale before using it.
- Carry out a pre-baiting survey of the infested area and an on-site assessment in order to identify the rodent species, their places of activity and determine the likely cause and the extent of the infestation.
- Remove food which is readily attainable for rodents (e.g. spilled grain or food waste). Apart from this, do not clean up the infested area just before the treatment, as this only disturbs the rodent population and makes bait acceptance more difficult to achieve.
- The product should only be used as part of an integrated pest management (IPM) system, including, amongst others, hygiene measures and, where possible, physical methods of control.

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<sup>1</sup>Instructions for use, risk mitigation measures and other directions for use under this section are valid for any authorised uses.

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- The product should be placed in the immediate vicinity of places where rodent activity has been previously explored (e.g. travel paths, nesting sites, feedlots, holes, burrows etc.).
  - Where possible, bait stations must be fixed to the ground or other structures.
  - Bait stations must be clearly labelled to show they contain rodenticides and that they must not be moved or opened (see section 2.5.3 for the information to be shown on the label).
  - [If national policy or legislation requires it] When the product is being used in public areas, the areas treated should be marked during the treatment period and a notice explaining the risk of primary or secondary poisoning by the anticoagulant as well as indicating the first measures to be taken in case of poisoning must be made available alongside the baits.
  - Bait should be secured so that it cannot be dragged away from the bait station.
  - Place the product out of the reach of children, birds, pets and farm animals and other non-target animals.
  - Place the product away from food, drink and animal feeding stuffs, as well as from utensils or surfaces that have contact with these.
  - Wear protective chemical resistant gloves during product handling phase (glove material to be specified by the authorisation holder within the product information).
  - When using the product do not eat, drink or smoke. Wash hands and directly exposed skin after using the product.
  - The frequency of visits to the treated area should be at the discretion of the operator, in the light of the survey conducted at the outset of the treatment. That frequency should be consistent with the recommendations provided by the relevant code of best practice.
  - If bait uptake is low relative to the apparent size of the infestation, consider the replacement of bait points to further places and the possibility to change to another bait formulation.
  - If after a treatment period of 35 days baits are continued to be consumed and no decline in rodent activity can be observed, the likely cause has to be determined. Where other elements have been excluded, it is likely that there are resistant rodent so consider the use of a non-anticoagulant rodenticide, where available, or a more potent anticoagulant rodenticide. Also consider the use of traps as an alternative control measure.
- Bait in sachets: [For non-emptiable sachets - Do not open the sachets containing the bait].
- Loose pellets-granules, grains: Place the bait in the baiting point by using a dosage device. Specify the methods to minimise dust (e.g. wet wiping).
- IE Only: The resistance status of the target population should be taken into account when considering the choice of rodenticide to be used. In those areas where evidence of resistance to specific active ingredients is suspected, avoid their use. To control the spreading of resistance, it is advisable to alternate baits containing different anticoagulant active ingredients.

## 5.2. Risk mitigation measures

For Professionals:

- Where possible, prior to the treatment inform any possible bystanders (e.g. users of the treated area and their surroundings) about the rodent control campaign [in accordance with the applicable code of good practice, if any].
- To reduce risk of secondary poisoning, search for and remove dead rodents at frequent intervals during treatment (e.g. at least twice a week). [Where relevant, specify if more frequent or daily inspection is required].
- Products shall not be used beyond 35 days without an evaluation of the state of the infestation and of the efficacy of the treatment.
- Do not use baits containing anticoagulant active substances as permanent baits for the prevention of rodent infestation or monitoring of rodent activities.
- The product information (i.e. label and/or leaflet) shall clearly show that:
  - the product shall not be supplied to the general public (e.g. "for professionals only").
  - the product shall be used in adequate tamper resistant bait stations (e.g. "use in tamper resistant bait stations only").
  - users shall properly label bait stations with the information referred to in section 5.3 of the SPC (e.g. label bait stations according to the product recommendations").

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- Using this product should eliminate rodents within 35 days. The product information (i.e. label and/or leaflet) shall clearly recommend that in case of suspected lack of efficacy by the end of the treatment (i.e. rodent activity is still observed), the user should seek advice from the product supplier or call a pest control service.
  - Do not wash the bait stations with water between applications.
  - Dispose dead rodents in accordance with local requirements [The method of disposal shall be described specifically in the national SPC and be reflected on the product label].

**For Trained Professional:**

- Where possible, prior to the treatment inform any possible bystanders about the rodent control campaign [in accordance with the applicable code of good practice, if any]".
- The product information (i.e. label and/or leaflet) shall clearly show that the product shall only be supplied to trained professional users holding certification demonstrating compliance with the applicable training requirements (e.g. "for trained professionals only").
- Do not use in areas where resistance to the active substance can be suspected.
- Products shall not be used beyond 35 days without an evaluation of the state of the infestation and of the efficacy of the treatment
- Do not rotate the use of different anticoagulants with comparable or weaker potency for resistance management purposes. For rotational use, consider using a non-anticoagulant rodenticide, if available, or a more potent anticoagulant.
- Do not wash the bait stations or utensils used in covered and protected bait points with water between applications.
- Dispose of dead rodents in accordance with local requirements [The method of disposal shall be described specifically in the national SPC and be reflected on the product label].

### **5.3. Particulars of likely direct or indirect effects, first aid instructions and emergency measures to protect the environment**

This product contains an anticoagulant substance. If ingested, symptoms, which may be delayed, may include nosebleed and bleeding gums. In severe cases, there may be bruising and blood present in the faeces or urine. Antidote: Vitamin K1 administered by medical/veterinary personnel only.

In case of: Dermal exposure, wash skin with water and then with water and soap.

Eye exposure, rinse eyes with eyes-rinse liquid or water, keep eyes lids open at least 10 minutes.

Oral exposure, rinse mouth carefully with water. Never give anything by mouth to unconscious person. Do not provoke vomiting. If swallowed, seek medical advice immediately and show the product's container or label.

Contact a veterinary surgeon in case of ingestion by a pet.

Bait stations must be labelled with the following information: "do not move or open"; "contains a rodenticide"; "product name or authorisation number"; "active substance(s)" and "in case of incident, call a poison centre [insert national phone number]".

Hazardous to wildlife.

### **5.4. Instructions for safe disposal of the product and its packaging**

At the end of the treatment, dispose of uneaten bait and the packaging in accordance with local requirements. Use of gloves is recommended.



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## **5.5. Conditions of storage and shelf-life of the product under normal conditions of storage**

Shelf-life: 24 months

Store in a dry, cool and well ventilated place. Keep the container closed and away from direct sunlight.

Store in places prevented from the access of children, birds, pets and farm animals.

Keep only in original container.

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## **6. OTHER INFORMATION**

Because of their delayed mode of action, anticoagulant rodenticides may take from 4 to 10 days to be effective after consumption of the bait.

Rodents can be disease carriers. Do not touch dead rodents with bare hands, use gloves or use tools such as tongs when disposing them.

This product contains a bittering agent and a dye.

Covered and protected bait points may be used as long as they provide the same level of protection for non-target species and humans as tamper-resistant bait station.