

# Selontra<sup>®</sup> Rodent Bait FAQ



## Selontra<sup>®</sup> Rodent Bait Overview

### Q1: What is Selontra<sup>®</sup> Rodent Bait?

A1: Selontra<sup>®</sup> is a highly effective, innovative rodent bait that quickly controls rodent infestations. It offers several unique advantages for poultry, livestock, residential, commercial and industrial applications, including fast colony kill, shorter baiting regimes, less bait to kill populations, and kills anti-coagulant resistant rodents.

### Q2: What are the advantages of Selontra<sup>®</sup> compared to anticoagulant rodenticides?

A2: There are significant benefits over anticoagulants and other rodenticides including:

- Fast colony kill demonstrated in U.S. Field Trials<sup>1</sup>
- Selontra's active ingredient, cholecalciferol, causes rodents to stop feeding on the bait, which allows for shorter baiting regimes and requires less bait to kill populations<sup>2</sup>
- Patent-pending formulation with proven palatability<sup>1</sup> even when competitive food sources are available
- Low risk of secondary non-target poisoning to birds and mammals<sup>3</sup>
- Durable and stable under extreme temperatures from 0°F to 177°F
- Demonstrates minimal water uptake in submersion testing
- Kills anticoagulant-resistant rodents and there is no known resistance to cholecalciferol
- Labeled for additional species, including Cotton rat, Eastern harvest mouse, Golden mouse, Meadow vole, Mexican woodrat, Polynesian rat, Southern plains woodrat, and White-throated woodrat (all states except California)

### Q3: What is the active substance in Selontra<sup>®</sup>?

A3: The active substance in Selontra<sup>®</sup> is cholecalciferol. Cholecalciferol is a naturally occurring vitamin (D3) that is present in all mammals. It is lethal to rodents in higher doses. Cholecalciferol is also available in health food stores as a dietary supplement.

**Q4: Is Selontra® registered for use outdoors and indoors?**

A4: Yes. Applications are permitted indoors and outdoors. Outdoors, Selontra can be used within 100 feet of buildings. It can also be used inside and around/outside of transport vehicles (e.g. aircraft, ships, trains and trucks). Refer to the label for specific outdoor and indoor locations where Selontra may be used, directions for use and limitations.

**Q5: Are there any areas where Selontra® cannot be applied?**

A5: Selontra® is not approved for use in agricultural crop fields, sewers or burrows. Broadcast baiting and hand-tossing into suspended ceilings is not allowed. When baiting outdoors, tamper resistant bait stations must be used. Refer to the label for specific application use and limitations.

**Q6: Is Selontra® flammable?**

A6: Selontra® is not flammable, but is combustible. This means a simple spark will not ignite Selontra®, but a vigorous fire could cause it to burn.

**Q7: Does Selontra® require pre-baiting?**

A7: Pre-baiting can be done if necessary, but it is not required. U.S. field trials have shown that Selontra® is highly palatable and quickly accepted by rodents.

**Q8: Are there any special baiting protocols I need to follow when applying Selontra®?**

A8: Yes. With a rodent infestation, it is important to avoid under-baiting. When rodent activity is evident, re-apply with a sufficient amount of bait to speed control and to potentially achieve control within seven days. With rodent maintenance, follow label directions.

**Q9: What is the Selontra® application rate?**

A9: Refer to the label for specific instructions. In general, application rate for each bait station should be:

- Mice: up to 40 grams or 1-2 soft baits per placement with stations spaced at intervals of 8 to 12 feet
- Rats: up to 160 grams or 2-8 soft baits per placement with stations spaced at intervals of 15-30 feet

**Q10: How long does Selontra® take to work?**

A10: In rats and mice, consumption of a lethal dose of Selontra® causes the affected rodent to stop feeding after approximately 24 hours. Mortality usually occurs within two to four days. Some U.S. Field Trials show mice appearing dead in 24 hours. Selontra® can control a rodent infestation in as quickly as seven days. Control is dependent on the size of the infestation and the surrounding environment.

**Q11: What is the container shelf life?**

A11: We currently have a 12-month container shelf life.

**Q12: Once applied, how long will the bait remain effective if not consumed?**

A11: The bait should be replaced after six [6] months.

**Q12: Is Selontra® only for professional pest control use?**

A12: In the U.S., this product is packaged in quantities appropriate for professional, poultry and livestock use.

**Q13: What is the environmental profile of Selontra® compared to anticoagulants?**

A13: Unlike anticoagulants, the active ingredient in Selontra®, cholecalciferol, is a naturally occurring compound within animals and is neither persistent nor bio-accumulative. Selontra® is intended to be used at covered and protected bait points or in bait boxes, which limits environmental exposure.

**Q14: What safety measures are included for Selontra®?**

A14: Selontra® is produced in a soft bait formulation that is enrobed in a non-absorbent, odor-permeable shrink film. This formulation allows the bait to be adequately secured in bait stations, minimizing the risk of bait contamination around the site. A warning dye and a bittering agent also helps prevent human ingestion.

**Q15: What first aid measures should I take if a child touches or eats Selontra®?**

A15: Refer to the country-specific label for first aid measures. In general, if exposed to skin, immediately rinse with soap and water. If in eyes, rinse with plenty of water for several minutes and seek medical advice. If ingested, contact a poison control center or doctor immediately for treatment advice. Treat symptomatically. Treatments include a low calcium diet, high salt and fluid intake and avoidance of exposure to sunlight while monitoring calcium levels.

**Q16: Is an antidote available for the treatment of cholecalciferol poisoning?**

A16: While there is no antidote, accidental consumption in sub-lethal doses can be treated symptomatically. If consumption occurs, immediately contact a poison control center or doctor for treatment advice.

**Q18: When Selontra® is applied, is there a risk non-target species will be affected?****What if my dog or cat eats it?**

A18: Rodents are more sensitive to cholecalciferol than most non-target species, including birds, cats and dogs. Overall, the likelihood of adverse exposure to non-target animals via primary poisoning is limited (when label directions are followed and tamper resistant bait stations are used). If a cat or dog eats a rodent that has consumed Selontra®, no toxic effects would typically be expected.

**Q19: How should Selontra® be stored?**

A19: Refer to the registered product label for specific storage information. In general, store Selontra® in the closed original container in a cool, dry, and well-ventilated area. Do not store in direct sunlight. Store in a locked room and away from children, animals, food and feedstuffs and products with an odor.

**Q20: Does Selontra® have a certification for Leadership in Energy and Environmental Design (LEED)?**

A20: No, unfortunately this is not possible for *any* rodenticide. LEED does not consider any rodenticide a least-risk pesticide.<sup>4</sup>

**Q21: Does Selontra® have an Organic Materials Review Institute (OMRI) certification?**

A21: No, Selontra does not have an organic certification due to its inert ingredients.

**Q22: Is the wrapper biodegradable?**

A22: No.

**Q23: Have you had any wrapper translocation issues in your field trials?**

A23: Rarely have the wrappers in US mouse, Norway rat, and roof rat studies been translocated outside the bait station. Translocation is possible, but can be limited by using tamper resistant bait stations, securing the bait on the bait station rods, and securing the bait stations to the ground.

**Q24: Is Selontra® a single-feed or multi-feed bait?**

A24: Single-feed baits require rodents to consume a lethal dose in one visit. Currently, we do not have a single-feed study, but we do have field trial data indicating rodents consume a lethal dose of Selontra bait in one feeding. Additionally, status as a single-feed or multi-feed bait has been immaterial, for two reasons:

- 1) the active ingredient in Selontra has stop feed properties
- 2) field studies have shown population control in as few as seven days.

**Q25: Does Selontra® contain Bitrex®?**

A25: Yes. Selontra contains Bitrex®, a bittering agent and warning dye to help prevent human consumption.

**Q26: In what package sizes is Selontra® available?**

A26: Selontra is available in durable and re-sealable 8 pound pails (no cases). The bait size is a 20 gram sachet shaped as a square (35mm x 35mm x 12mm). There are 182 baits in a bucket.

**Q27: Can Selontra® be used around organic farms and storage areas?**

A27: Yes, U.S. EPA Label allows for use in/around agricultural buildings, including but not limited to swine, poultry, cattle, equine and dairy facilities; warehouses; food storage areas and food processing facilities.<sup>5</sup> A farmer should always check with their organic certification programs to see if Selontra can be used in and/or around their organic operations.

**Q28: What is the difference between single-feed and stop-feed?**

A28: Single-feed rodenticides allow for a rodent to consume a lethal dose in one feeding (usually within one visit or one day). Stop-feed rodenticides are based on the mode-of-action that coincides with a unique active ingredient. Selontra®, a rodenticide containing the active ingredient cholecalciferol, will force the rodent to cease-feeding on the bait once a lethal dose has been achieved.<sup>2</sup> A rodenticide that is considered a single-feed does not necessarily mean it contains a stop-feed active ingredient. The same is true of a rodenticide containing a stop-feed active ingredient; this does not necessarily mean it is a single-feed bait.

For more information, visit online at: [www.agriculture.basf.com/en/Pest-Control/Rodents.html](http://www.agriculture.basf.com/en/Pest-Control/Rodents.html)

Sources:

<sup>1</sup> U.S. Field Trials - Indiana Grain Farm Study (2017), North Carolina Pig Farm Study (2016)

<sup>2</sup> Prescott, C.V., El-Amin, Vusa, and Smith, R.H., "Calciferols and Bait Shyness in the Laboratory Rat". Proceedings of the Fifteenth Vertebrate Pest Conference 1992. Paper 64.

Whisson, Desley, "Rodenticides for Control of Norway Rats, Roof Rats, and House Mice". University of California Cooperative Extension, Poultry Fact Sheet No. 23, 1996.

<sup>3</sup> Marshall, Edward F., "Cholecalciferol: A Unique Toxicant for Rodent Control." Proceedings of the Eleventh Vertebrate Pest Conference 1984. Paper 22. <http://npic.orst.edu/factsheets/rodenticides.pdf>

<sup>4</sup> <http://www.usgbc.org/credits/existing-buildings-schools-existing-buildings-retail-existing-buildings-hospitality-exist-26>

<sup>5</sup> Selontra EPA Approved Label (2017).

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Always read and follow label directions.

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