

# Switching to Selontra® Rodent Bait

Making a rodenticide switch to improve your management program is more than just changing the bait in a bait station. To improve results and ensure a successful bait switch, follow these simple but important key strategies.

#### Understanding the benefits of using a New Mode of Action

The two broad groups of rodenticides available are anticoagulants and non-anticoagulants. **Selontra** Rodent Bait is a non-anticoagulant and its active ingredient, cholecalciferol, is lethal to rodents. Advantages of **Selontra** compared to anticoagulant rodenticides include effectiveness against anticoagulant-resistant rodents and cholecalciferol's stop-feed action, which allows for shorter baiting cycles, requiring less bait to kill populations. These shorter baiting cycles allow less-dominant rodents to feed sooner thus ensuring faster distribution throughout the population. Cholecalciferol also poses a lower risk for secondary poisoning to birds and mammals.

#### **Measuring Success**

Measuring success in a rodent bait program is important. Evaluation of bait consumption alone can be a common pitfall when determining the success of your rodent management program. New research has revealed that there is resistance to some anticoagulant rodenticides.<sup>4</sup> Potentially resistant rodents reinforce the need to look for other signs in addition to bait acceptance and consumption to determine the success of your rodent baiting program; inspect for reduced or new signs of an active rodent infestation (e.g., live rodents, gnawing, droppings).

#### Selontra Bait Switch: Best Management Strategies

- Proper bait station placement is key to a successful program.
- Stations should be placed in locations that are readily and repeatedly encountered during the target rodents' daily feeding and foraging periods.<sup>5</sup>
- Before switching the baits, start with clean (not necessarily new), empty bait stations.
  - Remove any old bait and rodent droppings, including any insects or debris.
- Use the correct label rate of bait for the level of infestation being experienced.
  - Under baiting can negatively affect control.
- Avoid "side-by-side" comparisons of **Selontra** with other products; this practice can slow down bait acceptance.
- Ensure you develop and follow a complete integrated rodent management program, which includes removing competing food sources, sanitation, exclusion, mechanical controls and customer education.
- Selontra bait switch is best performed over a 28-day period. See suggested timeline on back.

#### Sources

- 1. Al demonstrates stop-feed action after ingesting a lethal dose. 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.
- 2. U.S. Field Trials (Indiana Grain Farm, 2017; NC Pig Farm, 2016)
- 3. http://www.npic.orst.edu/factsheets/rodenticides.html. Erickson, W.; Urban, D. Potential Risks of Nine Rodenticides to Birds and Nontarget Mammals: a Comparative Approach. U.S Environmental Protection Agency; Office of Prevention, Pesticides, and Toxic Substances; Office of Pesticide Programs; U.S. Government Printing Office: Washington, DC. 2004.
- 4. Diaz, J.C., and Kohn, M.H. 2020. A Vkorc1- Based Snp Survey of Anticoagulant Rodenticide Resistance in the House Mouse, Norway Rat, and Roof Rat in the USA. Pest Management Science. https://doi.org/10.1002/ps.6012. 20 July 2020.
- 5. Corrigan, R.M., 2001, Rodent Control: A Practical Guide for Pest Management Professional, GIE media, PP. 174-183.

## Selontra® Rodent Bait 28 Day Bait Switch Worksheet

Use this worksheet to help record important information during the transition period.

Date	Day	Station #	Initial Rate	Feeding	Replacement Rate	Comments				
Types of c	where the second of the second									
Account Type:		o Residential	o Comn	nercial	o Poultry/Livestock	Other				
Target Pest:		o Norway Rats	o Roof F	Rats	o House Mouse	Other				
Company Name:					Account Name:					

Date	Day	Station #	Initial Rate (sachets)	Feeding	Replacement Rate (sachets)	Comments

### Selontra Rodent Bait 28-Day Switch

Day 1	Day 7	Day 14	Day 28
Start with a clean, empty station and utilize the labeled rate of bait (depending on target pest and infestation level).	Bait check – Ensure bait load in the station matches the level of infestation and follows label directions. Replenish bait as needed.	Bait check – Replenish bait as needed.	Bait check – Replenish bait as needed.

Resume rodent station checks per your regular service interval. Supply fresh bait to achieve the best results.