



## Frequently Asked Questions About FastDraw & Revolver Soft Bait

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## **Usage**

### **Are FastDraw & Revolver soft baits effective on both rats and mice?**

Yes! Testing demonstrates FastDraw and Revolver deliver *excellent* control of Norway rats, roof rats, and house mice, with rodent death occurring 4-5 days after the consumption of a lethal dose. FastDraw and Revolver are single feed, anticoagulant rodenticides requiring only one feeding to deliver a lethal dose.

### **How much do I use?**

Refer to label directions for proper use and product restrictions. For mice, apply 1-4 pouches per placement (or bait station), usually spaced 8 to 12 feet apart. For rats, apply from 12-48 pouches per bait station), spaced 15 to 30 apart. These bait quantities cover everything from preventative, “maintenance baiting”, to the reduction of the most severe infestations.

### **When should I use FastDraw & Revolver soft bait?**

When controlling rodent infestations, most anticoagulant rodenticides will have an impact on reducing the rodent populations starting in 4 to 5 days. Due to the high palatability of FastDraw and Revolver, lab rodent and wild rodent test results demonstrate the excellent “feeding preference” and “knockdown” results when compared to competing products. So, while FastDraw and Revolver are ideal tools for all rodent infestations, their superior effectiveness will be most immediately noted in heavy infested situations or with lingering, tough-to-manage rodents.

### **Are FastDraw or Revolver affected by extreme weather conditions?**

FastDraw and Revolver demonstrate excellent resistance to extreme heat and cold without losing shape or palatability, hot dry use sites also benefit from these soft bait products. Because of their versatility and acceptance, FastDraw and Revolver are great everyday baits, and should be products of choice in your rodenticide rotation. We recommend you always monitor bait locations on regular intervals, and rotate baits at a minimum of every 4 - 6 months, more frequently if desired. To summarize, start every rodenticide rotation with FastDraw, then rotate to Revolver.

### **What Personal Protective Equipment (PPE) is required for application?**

As mandated by the EPA, the product label specifies the use of gloves when handling rodenticides and dead animals (rodents).

### **What differences should I expect in my rodent control program when using FastDraw and Revolver?**

You should expect fast bait acceptance and outstanding knockdown of mouse and rat populations, which will require more frequent monitoring of bait placements – every one to three days initially, then every two weeks or once a month. This monitoring interval can be lengthened as rodent populations decrease, and bait stations are no longer empty. If infestation levels are high, you may need to refill / replace bait pouches more often - in order to get a rodent population that has been previously averse to other conventional baits, under control.

## **Why do I need to inspect more frequently with FastDraw or Revolver?**

FastDraw and Revolver bait pouches release an aroma that is attractive to rodents. Further they contain no wax, unlike other conventional baits, however both are formulated with high-quality grain and oils which attract rodents. Just like we might succumb to cravings for Chips and salsa or fresh cookie dough, FastDraw and Revolver will attract rodents that otherwise might not readily accept conventional baits.

## **What if I can't inspect bait placements at least weekly after I first use soft bait? Is there anything I can do to ensure bait availability?**

Follow label directions and place the maximum number of pouches allowed. You can load bait stations with up to 48 bait pouches per station in areas of extreme infestation.

## **Product Packaging**

### **How many pouches are in a pail?**

Pails are filled and sold by weight and not by the number of pouches. FastDraw contains approximately 727 pouches in a 16 lb. pail and approximately 364 pouches in an 8 lb. pail. Revolver has approximately 604 pouches in a 16 lb. pail and approximately 302 in an 8 lb. pail.

### **Is Soft Bait available everywhere?**

FastDraw and Revolver are registered and available in the United States. They are available in the animal health market through Liphatech Distributors: Animal Health International, Hog Slat, Ivesco, Nipcam and Midland Vet Services.

### **Does it work for burrow baiting?**

FastDraw and Revolver soft baits are not labeled for burrow baiting. If burrow baiting is needed, BootHill Parafinnized Bulk Pellets offer a palatable and weather-resistant option for controlling rodent populations beneath the ground.

### **Does it attract slugs, snails, or insects?**

Compared to other rodenticides that are unwrapped such as mini blocks, the bait pouch's protective, "cloth-like material" will offer some shielding against attacks by insects and slugs/snails. Some insects may be able to chew through the outer material.

### **Is this a place pack?**

No, we recommend using soft bait like a mini block. It is easy to secure on nails, on wire between floor slats or placed in a void and recovered later. It also works well on horizontal or vertical rods in a bait station.

### **If it is so palatable, will rodents eat more than a lethal dose?**

Rodents may continue feeding on any anticoagulant rodenticide after consuming a minimum lethal dose. A bait like FastDraw or Revolver that is extremely palatable and contains no wax binders, may lead to some overconsumption. But they won't survive to do it more than once. If you really want to solve rodent problems, then FastDraw and Revolver are excellent products for you to use.

## **Can I remove soft bait from the pouch?**

Labeling of the product does not allow you to alter the pouch in this way. There is no need or benefit from doing so, as field tests have proven rodents enjoy gnawing through the aromatic pouch material, even faster than they gnaw through typical paper pellet place-packs.

## **Soft Bait Differences**

### **How are FastDraw or Revolver different from other soft baits?**

FastDraw and Revolver contain active ingredients Difethialone & Bromadiolone, both invented by Liphatech. Their unique formulations use no wax; most other baits (mini-blocks or pellets) incorporate wax for integrity and moisture resistance. Commensal rodents (rats & mice) eat from “man’s table”, and humans prefer edible oils to wax. *So do these rodents!* FastDraw and Revolver also resist extreme heat and cold weather without losing palatability or integrity (shape). Each FastDraw soft bait pouch is 10 grams (0.35 oz.) and every Revolver pouch is 12 grams (0.42oz.). In contrast, most other mini blocks or place-packs contain 2-3 times the amount of bait (20g to 1 oz.), requiring you to use more minimum bait per placement. In this regard, FastDraw and Revolver allow targeted dosing and use less rodenticide when maintenance baiting, saving money due to less wasted bait.

### **Why do soft bait pouches sometimes feel slightly moist to the touch?**

We investigated many different types of packaging for FastDraw and Revolver; however, our testing showed a significant rodent preference for the porous pouch material. We are confident rodents are attracted as the soft bait’s aroma escapes through this pouch.

### **Does the oil on the outside of the pouch contain active ingredient?**

You should assume the oil does contain a small amount of active ingredient. The product label states to use gloves when handling the product (as you should with ALL rodenticides). FastDraw contains the active ingredient Difethialone, which is so effective against rodents, it is formulated at .0025% which is one-half the concentration found in other single feed anticoagulant rodenticides. Revolver contains Bromadiolone, the most commonly used rodenticide active ingredient, and is formulated at .005%.

### **Is FastDraw or Revolver an acute rodenticide? How soon after feeding is observed should I expect rodents to die?**

No, they are not acute rodenticides. FastDraw and Revolver are anticoagulants providing control in 4-5 days after the consumption of a lethal dose.

### **Does soft bait have an odor?**

It has a delicate aroma most people find pleasant. The breathable, easy-gnaw, bait pouch material releases the aroma and rodents find it attractive.

### **What happens to the packaging material?**

In field studies, rodents feed on FastDraw and Revolver as they do with pellet place packs. Mice tend to chew a hole in the pouch and feed while rats prefer to shred the paper. We have occasionally observed rodents using the soft bait pouch for nesting material, after the bait is consumed.

## **Temperatures, Conditions, and Translocation**

### **Does FastDraw or Revolver work in freezing temperatures?**

They can get noticeably firmer, but it can still be applied to bait station rods in below 0° temperatures. Most importantly, the product shape doesn't change, ingredients inside the pouch do not become separated, and the palatability levels do not decrease.

### **What happens when FastDraw or Revolver are exposed to moisture or rain?**

FastDraw and Revolver pouch's keep the product intact so it does not separate. While the pouch is intact, it can withstand prolonged exposure to wet conditions and the active ingredient will remain effective.

### **Will it mold?**

Soft bait can mold over time, similar to most block rodenticides - this typically occurs in higher humidity environments. However, you should find rodents eat FastDraw and Revolver soft bait long before such molding can occur. Bait inspection visits should vary based on infestation level, but do check bait regularly. If bait is not being eaten regularly, this is often a sign that rodent pressure is low. One other benefit of FastDraw and Revolver, is bait pouches are about half the size of a typical mini-block, offering you a lower cost per placement as less bait is being used – such as when monitoring rodent activity.

### **Will FastDraw or Revolver melt?**

Use as indicated and they will not melt. Tests have shown FastDraw or Revolver will easily survive 200° F temperatures for 16 continuous hours. You can even use horizontal bait rods and have no trouble with the bait falling off.

### **Will FastDraw or Revolver stain, or leave an oily residue?**

We recommend using FastDraw or Revolver like a mini block. We have not observed FastDraw or Revolver staining bait stations. If you do put them directly on permeable surfaces, it may leave an oily residue or stain slightly.

### **Will FastDraw or Revolver hold up outdoors for 30 days?**

As with block rodenticides, FastDraw and Revolver depend on factors such as the weather and rodent feeding. In field tests, intact pouches have held up outdoors in bait stations for over 6 months.

## **Bait Station Security**

### **Will soft bait stay attached to a bait station rod?**

Yes. It will stay securely attached when skewered to either horizontal or vertical rods.

### **What about rats transferring the bait away from the station?**

We have not seen evidence of translocation by rodents, including rats. This assumes that the soft bait pouch is securely affixed to a rod in the bait station. Some shreds of the packaging material may be taken by rats for nesting purposes, but translocation of FastDraw or Revolver is not any more likely than chunks of a block being pulled out from a bait station.

## **Miscellaneous**

### **Is FastDraw or Revolver more effective than mini blocks or place-packs?**

FastDraw and Revolver combine the benefits of both mini blocks and place-packs without the drawbacks (mainly wax). They are excellent and highly-palatable rodenticides. However, they are no substitute for effective and proper rodent control practices. If you don't use good rodent control practices, your results will be stunted, regardless of the form of rodenticide you use.

### **What is the active ingredient?**

FastDraw uses the latest active available in second generation anticoagulant rodenticides: Difethialone, while Revolver utilizes Bromadiolone. Both invented and perfected by Liphatech after we discovered Chlorophacinone, they are our most effective active ingredients. Hombre rodenticide also uses Difethialone and BootHill also utilizes Bromadiolone.

### **Does it contain peanut oil?**

FastDraw and Revolver use vegetable oil and do not contain any type of peanut products. These products are manufactured in machinery that does not process peanut-related products.

### **How often should I clean a bait station?**

Regardless of the rodenticide used, you should monitor, and as necessary, clean bait stations weekly or bi-weekly. Take measures to remove small pieces of product, if needed. The very slight oily residue that may be on the bottom of the stations may actually entice rodents to enter the bait station to feed on FastDraw or Revolver.

### **Will soft bait pouches get stuck together?**

Even after exposure to heat near 100° F for a month, pouches in a bucket did not stick together. When subjected to sub-zero temperatures we have noticed a slight tendency for the pouches to stick lightly to one another.

### **Do rats and mice need gnawing surfaces?**

Rats and mice seem to prefer food sources on which they can get a tooth hold. They have no trouble getting started on FastDraw or Revolver!

### **Where can I get more information on *FastDraw & Revolver Soft Bait*?**

[www.liphatech.com](http://www.liphatech.com) has more information on FastDraw and Revolver Soft Bait Rodenticides, as well as BootHill, Hombre and Gunslinger Rodenticides, and AEGIS Bait Stations. You can also find information sheets, MSDS and specimen labels, and a Veterinarian's Guide to Treating Accidental Rodenticide Ingestion by Dogs & Cats.