



**PRODUCT  
INFORMATION**



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*Efficacy, Safety, Economy.....*The mission statement of RatX<sup>®</sup>

We are extremely pleased to be able to send to you the enclosed preliminary information packet , wholesale costing , and sample packet of our new patent-pending EPA FIFRA 25(b) minimum risk pesticide RatX<sup>®</sup> !!

Formulated entirely from non-toxic food materials, RatX<sup>®</sup> turns the page in rodent prevention.

No longer a poison, but still an effective rat and mouse killer that provides you with the efficacy you need and the peace of mind you've always wanted.

Only patent pending RatX<sup>®</sup> features:

- FDA GRAS ingredients.
- 100% food stocks
- EPA FIFRA 25(b) labeling
- Effective
- No secondary kill concerns
- Meets federal bio-derived mandates and standards
- Non toxic to pets, livestock , and poultry

*Efficacy, Safety , Economy .....*The mission statement of RatX<sup>®</sup>





## The Natural Way to Eradicate Rodents

### USES:

- ✓ **Livestock Yards**
- ✓ **Pig & Poultry Farms**
- ✓ **Conventional & Organic Farming**
- ✓ **Equestrian Centers**
- ✓ **Game Farms**
- ✓ **Forestry & Woodland Management**
- ✓ **Food Processing, Packing & Storage Areas**
- ✓ **Domestic, Industrial & Retail Premises**
- ✓ **Secure Institutions**
- ✓ **Hospitals**
- ✓ **Schools**
- ✓ **Parks & Other Public Areas**
- ✓ **Safe To Use On And Around Nature Trails**

### FEATURES & BENEFITS:

- X NO Risk To Children Or Pets**
- X NO Risk To Livestock Or Birds**
- X NO Risk Of Either Primary Or Secondary Poisoning - Bird Of Prey Friendly**
- X NO Known Resistance**
- X NO Special Requirement For Transport, Handling, Storage Or Disposal**
- X NO Risk Of Contamination To Crops Or Food**
- X NO Environmental Pollution - Fully Biodegradable**

**For Professional Use Only**  
**Keep Out of the Reach of Children**

This product is exempt from registration with the Federal EPA under section 25(b) of FIFRA, and as such, is not registered with the Environmental Protection Agency. ConSeal International, Inc. represents that this product and its ingredients qualify for exemption from registration under FIFRA.

PATENT PENDING

Manufactured by: ConSeal International, Inc., Norwood, MA 02062

### Why RatX™ Works:

The specific mode of action of RatX™ and its inherent safety to non-rodents is based on a range of characteristics unique to rodents:

- Rodents are opportunistic feeders and can consume up to 10% of their body weight.
- Rodents cannot vomit or regurgitate.
- Rodents have a unique digestive system in which the caecum (sack between large and small intestine) plays an active role.

### How RatX™ Works:

RatX™ is consumed as a food source as part of a rodent's natural eating habit. After ingestion, dehydration commences causing blood thickening & circulatory collapse, whereby rodents become lethargic, retreat to their burrow, lapse into a coma and die.

### Applying RatX™:

For most effective control RatX™ must be the primary food source available to the rodent – following these simple rules will ensure success:

- Clear away all other food sources from the area to be treated.
- Bait all areas where rodent activity is seen – particularly along runs and around holes.
- Keep bait dry as wetting may reduce effectiveness.
- Continue to bait until rodent activity ceases.
- Effective control is achieved with up to 40-60 grams or 1 ½ to 2 ounces of product per rat and 10-15 grams or ⅓ or ½ ounce per mouse.

**Sizes Available:** 1 lb. pail, 25 lb. pail and 50 lb. bag

Results:

1. Rodent activity declines as death occurs within 4 to 7 days of regular feed intake – sightings reduce as rodents generally die in their burrow.
  2. Fecal droppings become bleached in color & larger in size\*.
  3. An absence of smell from decomposition due to dehydration – similar to mummification.
- \*Change in color and size of the fecal pellets are an indicator of product acceptance and consumption and can be up to 3 times larger than pellets from non-treated rodents.

#### ACTIVE INGREDIENTS:

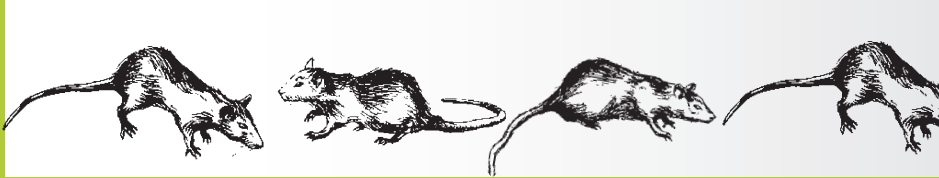
Corn gluten meal ..... 1.0 %

#### INERT INGREDIENTS:

Corn cobs, Maltodextrin, Sorbitol, Wheat Flour,  
Wheat germ oil ..... 99.0 %

TOTAL ..... 100%





## The Natural Way to Eradicate Rodents

### USES:

- ✓ Livestock Yards
- ✓ Pig & Poultry Farms
- ✓ Conventional & Organic Farming
- ✓ Equestrian Centers
- ✓ Game Farms
- ✓ Forestry & Woodland Management
- ✓ Food Processing, Packing & Storage Areas
- ✓ Domestic, Industrial & Retail Premises
- ✓ Secure Institutions
- ✓ Hospitals
- ✓ Schools
- ✓ Parks & Other Public Areas
- ✓ Safe To Use On And Around Nature Trails

### FEATURES & BENEFITS:

- ✗ NO Risk To Children Or Pets
- ✗ NO Risk To Livestock Or Birds
- ✗ NO Risk Of Either Primary Or Secondary Poisoning - Bird Of Prey Friendly
- ✗ NO Known Resistance
- ✗ NO Special Requirement For Transport, Handling, Storage Or Disposal
- ✗ NO Risk Of Contamination To Crops Or Food
- ✗ NO Environmental Pollution - Fully Biodegradable

### RatX™ FREQUENTLY ASKED QUESTIONS

**Q: Why does RatX™ kill rodents - rats & mice - and not harm humans and other animals?**

**A:** Because all rodents have a digestive system that is different from other animals.

The way rodents absorb water through their lower gut is quite different to any other animals, including humans and birds.

This unique digestive system is a part of what makes a rodent different from other animals.

**Q: What would happen if my cat or dog ate a mouse or rat killed by RatX™?**

**A:** Nothing, because RatX™ contains no poison, there is no risk of secondary poisoning.

Your cat and dog are perfectly safe as are horses, poultry and other farm livestock. It is the same for birds of prey.

**Q: How does RatX™ work?**

**A:** It coats the lining of a part of the rodent's lower gut. This coating of the "fine hairs" in the lower gut, called villi, disrupts the message system to the rodents brain causing it to stop drinking. This leads to dehydration, blood thickening, kidney dysfunction, coma and eventual death.

**Q: How long does it take to kill a rat or mouse?**

**A:** When used correctly death will occur within 4 to 7 days of regular feeding. More rodents may be seen during this period as they become lethargic and slower to react to disturbance.

**Q: How much does it take to kill them?**

**A:** Between 40 to 60 grams per rat and 10 to 15 grams per mouse.

To encourage consumption, other sources of food should be cleared away.

**Q: What is it made of?**

**A:** Natural vegetable and cereal grain materials.

### RatX™ Do's and Don'ts

#### Do's

- Do thoroughly read and understand the instructions for use.
- Do thoroughly survey area to find rodent locations and main areas of activity.
- Do clear away sources of alternative food or make it difficult for rodents to access them.
- Do make notes on the above to use for reference.
- Do use the product as a food source.
- Do provide enough product in trays or boxes, approx 200gm or 7 ounces, 6 feet apart in areas where rodents are present.
- Do make up small parcels of product using clinging food packaging film or small sandwich bags and place directly into rat holes.
- Do keep the product dry at all times.
- Do place the product into voids through which rats are running.
- Do re-visit, re-survey and re-fill boxes, trays, holes and make notes regularly.

#### Don'ts

- Do not under estimate the amount of rodents present.
- Do not expect the rodents to come in search of the product you apply.
- Do not use the product as scatter bait.
- Do not use the product alongside any other foods to try and attract rodents.
- Do not place any food out for wild animals or birds.
- Do not mix the product with any other rodent eradication products.
- Do not expect the product to be eaten immediately; it may take a while for the rodents to get used to the new, unfamiliar boxes or trays that you have placed.
- Do not pour the product into holes.
- Do not store the product next to other items with strong smelling odors or in damp areas.

#### Distributed By:





## SUGGESTED BAIT LOCATIONS FOR THE EFFECTIVE CONTROL OF RODENTS:

- ✓ Around ponds and water features
- ✓ Holes under a patio
- ✓ Under garden structures
- ✓ Access points to buildings or under a greenhouse
- ✓ Holes in lawns
- ✓ Around houses
- ✓ Near livestock and poultry housing

## FOR THE EFFECTIVE CONTROL OF RATS AND MICE

### FOR THE EFFECTIVE CONTROL OF RATS AND MICE

- X Formulated for Indoor & Outdoor Use**
- X Non-Toxic Rat and Mice Control**
- X 100% Naturally Derived**
- X Safe for Use around Livestock and Pets**

#### ACTIVE INGREDIENTS:

Corn gluten meal ..... 1.0 %

#### INERT INGREDIENTS:

Corn cobs, Maltodextrin, Sorbitol, Wheat Flour,  
Wheat germ oil ..... 99.0 %

TOTAL ..... 100 %

**For Professional Use Only  
Keep Out of the Reach of Children**

**Net Weight: 1 lb. / 454 gm.**

#### DIRECTIONS FOR USE

**INDOOR USE:** Prior to treatment, all likely food sources must be removed or made unavailable to rodents. Place bait trays at bait points where there are signs of rodent activity, like fresh droppings, inside or near rat runs and feeding areas. Place 40-60 grams or 1 1/2 to 2 ounces of RatX™ per rat and 10-15 grams or 1/3 or 1/2 ounce per mouse into small bowls or feeding trays approximately 6 feet apart throughout the infested area. Protect bait points from non-target animals and from water. Inspect bait points frequently and replace any eaten bait. Replace any baits which become wet and re-site in a dry locations. Keep topping up bait points until there are no more takes for 48 hours.

**OUTDOOR USE:** Place bait points where there are signs of rodent activity, like fresh droppings or near burrows, runways, feeding places and at points of entry around the perimeter of buildings. Place 40-60 grams or 1 1/2 to 2 ounces of RatX™ per rat and 10-15 grams or 1/3 or 1/2 ounce per mouse into bait stations or wrap in clinging food packaging film and place in drainpipes, open ended boxes or under sheets of metal/wood secured at an angel against a wall (to keep the bait point dry) at intervals of approximately 6 feet , reducing to approximately 4 feet in areas of high infestation. Protect bait points from non-target animals and (as the baits must be kept dry) from water. Inspect bait points frequently and replace any eaten bait. Replace any baits which become wet and re-site in a dry location. If you require more bait trays within the activity area, we suggest you use flowerpot saucers or something similar.

RatX™ can also be placed directly into rat holes, nesting or feeding areas. Wrap 40-60 grams or 1 1/2 to 2 ounces of RatX™ per rat and 10-15 grams or 1/3 or 1/2 ounce per mouse in clinging food packaging film and push down the burrow. Rats carry disease so never use unprotected hands. Push product into burrows with a long stick or similar. Replenish packets daily until there are either no more takes, or no rat activity, for 48 hours.

Rats carry disease. Therefore, remove all remains of bait and bait containers after treatment and dispose of safely. Search for rodent bodies and dispose of safely (e.g. burn or bury). Do not dispose of in refuse sacks or open rubbish tips.

When handling, use precautions to avoid the possibility of disease transmission. Use disposable rubber gloves. Apply household disinfectants at recommended concentrations to rodent droppings, nest and surrounding area, and allow for at least 15 minutes contact time before removal. Clean the area with paper towels or a mop. Thoroughly wash hands with soap and water and dispose of gloves.

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PATENT PENDING

Manufactured by: ConSeal International, Inc., Norwood, MA 02062



# Material Safety Data Sheet

Prepared in Accordance with OSHA 29 CFR 1910.1200

## Section 1—CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** RatX®

**Date:** 3/15/12

**Synonym:**

**Identity:** FIFRA 25(b) Pesticide

**Chemical Formula:**

**Manufacturer/Supplier:** ConSeal International, Inc.  
90 Kerry Place, Suite 2  
Norwood, MA 02062  
(781) 278-0010

**IN CASE OF EMERGENCY:**  
**ChemTel (800) 255-3924**  
International: 011-813-248-0585  
Contract # MIS0005837

**TSCA:** TSCA Inventory: All components listed or are exempt from listing.

**DSL/NDL:** All components listed unless noted elsewhere in this MSDS.

## Section 2—COMPOSITION AND INFORMATION ON INGREDIENTS

Name	CAS #	% by Wt.	Exposure Limits	LC <sub>50</sub> /LD <sub>50</sub>
100% natural fractions	No CAS has been assigned to this product.			

## Section 3—HAZARDS IDENTIFICATION

### Section 4—FIRST AID MEASURES

**Skin Contact:** Wash with copious amounts of potable water and towel dry.

**Eye Contact:** immediately flush with copious amounts of water for at least 15 minutes. Immediately seek medical attention if irritation persists.

**Ingestion:** never give anything to an unconscious person. Dilute with water, do not induce vomiting. Seek medical attention immediately, product not considered harmful.

**Inhalation:** if inhaled move to fresh air.

### Section 5—FIRE FIGHTING MEASURES

**Flash Point:** 350 degree F in OC / 388 degree F in CC

**Flammable limits:** as water

**Extinguishing media:** use media suitable for fire

**Special procedures:** Vapor from fire may be harmful. Always wear self contained MSHA/NIOSH approved breathing apparatus.

**Unusual Fire & Explosion Hazard:** minimum explosive concentration (-200 mesh corn cob dust cloud) 0.045 oz / cubic foot.

### Section 6—ACCIDENTAL RELEASE MEASURES

In case of spill or leak, use absorbent material then sweep, scrape, or otherwise collect and containerize. Dispose of according to all local, state, and federal regulations.

### Section 7—HANDLING AND STORAGE

Avoid extreme heat or cold. Do not freeze. Always keep drum covered. Store upright in closed container. Never reuse containers.

### Section 8—EXPOSURE CONTROLS / PERSONAL PROTECTION

**Eyes:** Always wear standard industrial glasses for normal use conditions.

**Respiratory:** None necessary for normal use conditions.

**Gloves:** Rubber or neoprene is acceptable.

**Ventilation:** avoid nuisance dust, no special consideration for normal use conditions.

### Section 9—PHYSICAL AND CHEMICAL PROPERTIES

**Boiling Point:** Not applicable.

**Specific Gravity:** 1.3

**Vapor Pressure:** Not applicable.

**% Volatile by volume:** Not applicable.

**Vapor Density:** Not applicable.

**Solubility in water:** 7.4% to 9.5%

**pH (1% in tap water)** @7.3

**Odor:** Essentially odorless

**Appearance:** Tan to grey pellets

#### **Section 10—STABILITY AND REACTIVITY DATA**

**Stable:** Yes, under normal conditions.

**Conditions to avoid:** none known, may be affected by acids and caustics.

**Hazardous Polymerization:** will not occur.

**Hazardous decomposition products:** none known under normal conditions.

#### **Section 11—TOXICOLOGICAL INFORMATION**

**Oral LD 50 Rat:** 100 mg/kg

Intraperitoneal LD50 (rat) Not available

Intraperitoneal LD50 (mouse): Not available

#### **Section 12—ECOLOGICAL INFORMATION**

**Ecotoxicity:** LC50 greater than 2000 mg/L (48 and 98 hours) Zebrafish

#### **Section 13—DISPOSAL CONSIDERATIONS**

**Food Product.** Waste should be incinerated.

#### **Section 14—TRANSPORT INFORMATION**

**DOT Shipping Information:** Not regulated.

#### **Section 15—REGULATORY INFORMATION**

**State Regulations:** The following chemicals associated with the product are subject to the Right-To-Know regulations in these states: NONE

**U.S. Federal Regulations:** SARA 313: No components listed.

This product is comprised of materials listed with the FDA for use in animals.

#### **Section 16—OTHER INFORMATION**

This product is an industrial strength compound. Keep away from children. Exercise care. Never ingest this product. Follow all recommended practices when handling this product.

*ConSeal International, Inc. warrants that the product or products described herein will conform with its published specifications. The products supplied by ConSeal and information related to them are intended for use by buyers having necessary industrial skill and knowledge. Buyers should undertake sufficient verification and testing to determine the suitability of the ConSeal materials for their own particular purpose. Since buyer's conditions of use of product are beyond ConSeal's control, ConSeal does not warrant any recommendations and information for the use of such products. ConSeal disclaims all other warranties including the implied warranty of merchantability and fitness for any particular purpose in connection with the use of its products.*





Patent Number 13/441,652

## Patent Abstract

A rodenticide composition and method for using the same to exterminate rodents. The composition features a mixture of a natural dehydrant capable of dehydrating a rodent that consumes it, a natural carrier matrix, and an optional flavoring. The natural carrier matrix can include a plant-derived grain-based, nut-based, legume-based, or starchy tuber-based composition or combinations or derivatives of the foregoing. The natural dehydrant can be corn gluten meal, soy hydrolysate, soybean oil, castor oil, linseed oil, sodium chloride, cottonseed oil, any other suitable natural dehydrant, combinations thereof, or any other suitable material derived from any of the foregoing. Once the rodenticide composition is prepared, it may be placed in areas frequented by or infested with rodents so as to kill the rodents once they consume the composition.





Further efficacy trials being conducted by:

Dr. Ralph Williams  
Purdue University  
Dept of Entomology  
Smith Hall 901 - W. State Street  
West Lafayette, IN 47907

*Additional 3rd party independent trials to be included as completed.*





## Testimonials

Under construction.





# RATX

<b>Word Mark</b>	RATX
<b>Goods and Services</b>	IC 005. US 006 018 044 046 051 052. G & S: Rodenticides
<b>Standard Characters Claimed</b>	
<b>Mark Drawing Code</b>	(4) STANDARD CHARACTER MARK
<b>Serial Number</b>	85559939
<b>Filing Date</b>	March 5, 2012
<b>Filing Basis</b>	1B
<b>Original Filing Basis</b>	1B
<b>Owner</b>	ConSeal International Incorporated CORPORATION FLORIDA Suite 2 90 Kerry Place Norwood MASSACHUSETTS 02062
<b>Attorney of Record</b>	James David Johnson
<b>Type of Mark</b>	TRADEMARK
<b>Register</b>	PRINCIPAL
<b>Live/Dead Indicator</b>	LIVE





RatX™ helps facilities and Government agencies meet newly implemented Federal Executive Orders and VOC Requirements:

**Executive Orders:**

13352 Facilitation of Cooperative Conservation

13101 Greening the Government through Waste Prevention, Recycling & Federal Acquisition

13134 Developing & Promoting Bio Based Products & Bio Energy

13148 Greening the Government through Leadership in Environmental Management

**Other Programs:**

USDA Farm Bill Section 9002

CEQA California Environmental Quality Act

AQMD South Coast Air Quality Management District

FSRIA Farm Security & Rural Investment Act

**USDA BiopREFERRED Listing:**

Under Construction



## RatX™ -- The Safer Alternative

	RatX™	TomCat™	Hawk™	Motomco™	Agrid-3™	Just One™	Jaqua™	ConTrac™	Rampage™	B-10 Rat Pellets™
<b>EPA Exempt</b>	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗
<b>Child &amp; Pet Safe</b>	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗
<b>FDA G.R.A.S.</b>	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗
<b>100% Natural</b>	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗
<b>Carcinogen-Free</b>	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗
<b>No Secondary Kill Concerns</b>	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗
<b>Poison</b>	✗	✓	✓	✓	✓	✓	✓	✓	✓	✓

**RatX™ - Efficacy, Safety, Economy!**

RatX™ is a trademark of ConSeal International, Inc.

RatX™ is Patent-Pending

For more information, contact:

ConSeal International Inc. • 90 Kerry Place, Suite 2 • Norwood, MA 02062 • 781-278-0010



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[www.consealint.com](http://www.consealint.com)  
[www.ratxproducts.com](http://www.ratxproducts.com)

