



Total Respondents: 272

**Question 1:** Where is your business located:

Responses from 38 states and 12 'others'. No territories. 10 skipped this question.

23 states had responses from 1-3 PMPs

Top 5 # of responses from: Georgia (39),Arkansas (23), New Mexico (22), Colorado (19), Pennsylvania (18)

Responses by map

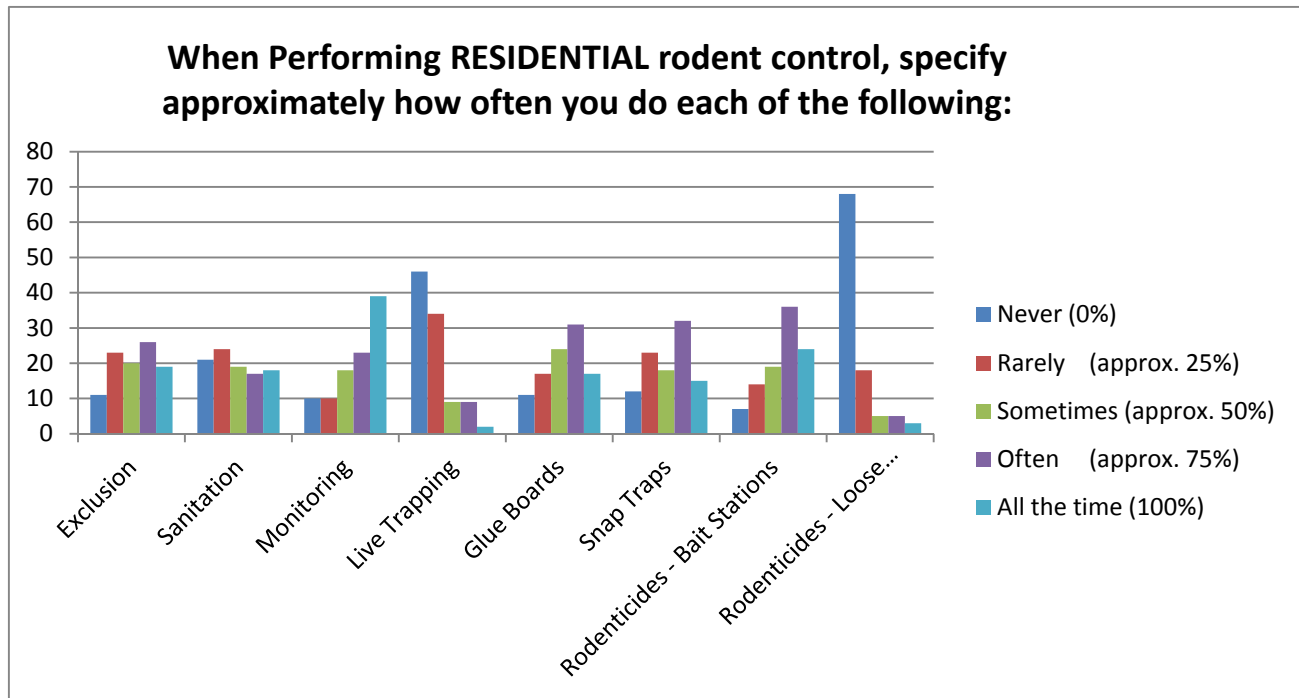


**Question 3:**

When performing RESIDENTIAL rodent control, how often do you do each of the following:

Choices of: **Never** (0% of the time), **Rarely** (approx. 25% of the time), **Sometimes** (approx. 50% of the time), **Often** (approx 75% of the time), **All the time** (100%)

% who answered: (rounded to nearest whole%)	Never (0%)	Rarely (approx. 25%)	Sometimes (approx. 50%)	Often (approx. 75%)	All the time (100%)
Exclusion	11	23	20	26	19
Sanitation	21	24	19	17	18
Monitoring	10	10	18	23	39
Live Trapping	46	34	9	9	2
Glue Boards	11	17	24	31	17
Snap Traps	12	23	18	32	15
Rodenticides - Bait Stations	7	14	19	36	24
Rodenticides - Loose Formulations	68	18	5	5	3

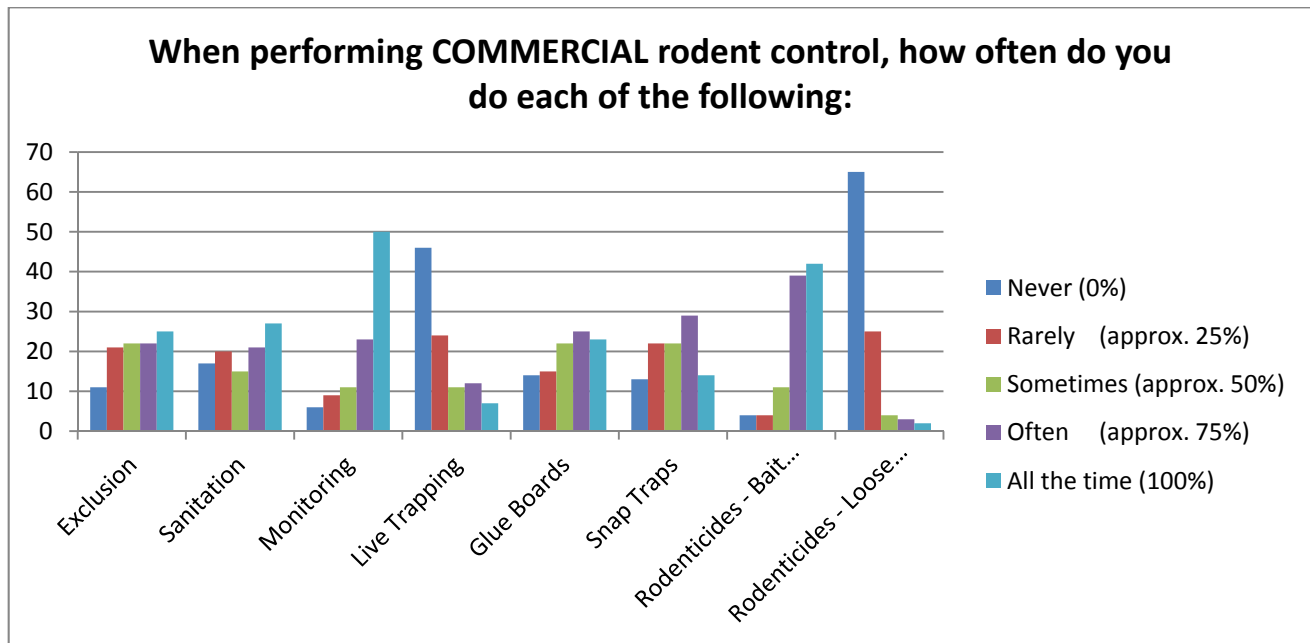


**Question 4:**

When performing COMMERCIAL rodent control, how often do you do each of the following:

Choices of: **Never** (0% of the time), **Rarely** (approx. 25% of the time), **Sometimes** (approx. 50% of the time), **Often** (approx 75% of the time), **All the time** (100%)

% who answered: (rounded to nearest whole%)	Never (0%)	Rarely (approx. 25%)	Sometimes (approx. 50%)	Often (approx. 75%)	All the time (100%)
Exclusion	11	21	22	22	25
Sanitation	17	20	15	21	27
Monitoring	6	9	11	23	50
Live Trapping	46	24	11	12	7
Glue Boards	14	15	22	25	23
Snap Traps	13	22	22	29	14
Rodenticides - Bait Stations	4	4	11	39	42
Rodenticides - Loose Formulations	65	25	4	3	2

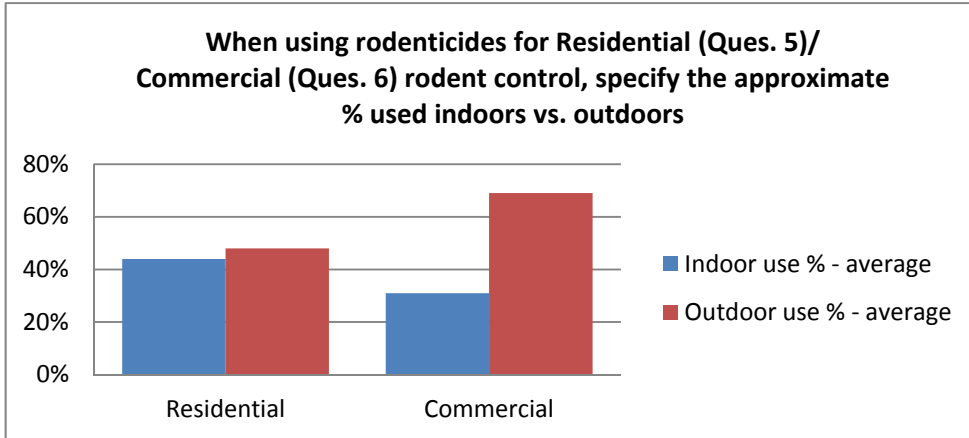


**Question 5 and 6:**

When using rodenticides for Residential (Ques. 5)/Commercial (Ques. 6) rodent control, specify the approximate % used indoors vs. outdoors:

(\*Note: not all respondents answered a total of 100% for indoor vs. outdoor use for Residential so average does not equal 100%)

	Residential	Commercial
Indoor use % - average	44%	31%
Outdoor use % - average	48%	69%



**Question 7 and 8:**

How often do you use the following rodenticide AIs for **Residential** Accounts - Indoor (Ques. 7) and Outdoor (Ques. 8)

Choices of: **Never** (0% of the time), **Rarely** (approx. 25% of the time), **Sometimes** (approx. 50% of the time), **Often** (approx 75% of the time), **All the time** (100%)

Percentage (%)* who answered: *rounded to nearest whole %		<i>Never</i>	<i>Rarely</i>	<i>Sometimes</i>	<i>Often</i>	<i>All the time</i>	(Independent not dependent)
		In/Out	In/Out	In/Out	In/Out	In/Out	
<b>First Gen.</b>	Chlorophacinone (Rozol, AC 90)	92/93	6/5	1/1	0/1	0/0	
	Diphacinone (Ditrac, Erazo Ag, Tomcal, Bait Block, Ramik (Green, Brown, Mini))	78/75	15/14	4/6	2/4	1/2	
	Warfarin (Rodex, Kaput Rat & Mouse)	91/85	5/10	2/2	2/2	0/1	
<b>Second Gen.</b>	Brodifacoum (Final, Jaguar, d-Con, Havoc, Kaput, Doom)	67/63	14/15	6/7	7/8	6/7	
	Bromadiolone (Contracon, Hawk, Just One Bite, Maki, Boot Hill, Brigand, Ratimor)	35/30	17/11	9/12	20/24	20/23	
	Difenacoum (DiKill, Multi-Kill)	95/94	3/3	1/2	1/0	0/0	
	Difethialone (Generation, Hombre, BlueMax, FirstStrike, d-con)	63/57	12/12	11/12	9/9	5/9	
<b>Non-AC</b>	Bromethalin (Fastrac, Rampage, Tomcat, CyKill, Top Gun, Gunslinger)	83/77	10/15	5/4	1/4	1/0	
	Cholecalciferol (Agrid, Terad3)	91/90	7/7	1/1	0/1	1/1	
	Zinc Phosphide (ZP Pelleted Bait, Prozap)	94/85	6/11	0/3	0/1	0/0	

**Question 9 and 10:**

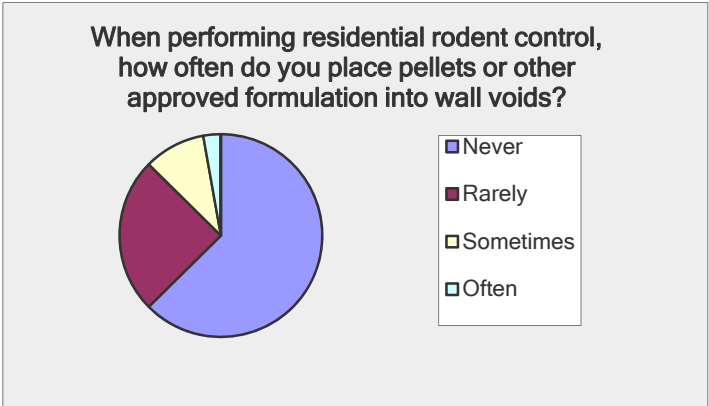
How often do you use the following rodenticide AIs for **Commercial** Accounts - Indoor and Outdoor

Choices of: **Never** (0% of the time), **Rarely** (approx. 25% of the time), **Sometimes** (approx. 50% of the time), **Often** (approx 75% of the time), **All the time** (100%)

Percentage (%)* who answered: *rounded to the nearest whole %		<i>Never</i>	<i>Rarely</i>	<i>Sometimes</i>	<i>Often</i>	<i>All the time</i>	(Independent not dependent)
		In/Out	In/Out	In/Out	In/Out	In/Out	
<b>First Gen.</b>	Chlorophacinone (Rozol, AC 90)	94/92	5/5	½	0/0	0/1	
	Diphacinone (Ditrac, Erazo Ag, Tomcal, Bait Block, Ramik (Green, Brown, Mini))	81/74	12/13	4/8	3/3	1/2	
	Warfarin (Rodex, Kaput Rat & Mouse)	93/89	3/8	3/2	0/0	0/1	
<b>Second Gen.</b>	Brodifacoum (Final, Jaguar, d-Con, Havoc, Kaput, Doom)	68/57	15/14	7/9	5/10	5/9	
	Bromadiolone (Contracon, Hawk, Just One Bite, Maki, Boot Hill, Brigand, Ratimor)	39/27	18/11	11/13	16/27	16/22	
	Difenacoum (DiKill, Multi-Kill)	96/96	2/2	1/1	0/0	0/0	
	Difethialone (Generation, Hombre, BlueMax, FirstStrike, d-con)	61/53	15/11	10/13	8/11	6/12	
<b>Non-AC</b>	Bromethalin (Fastrac, Rampage, Tomcat, CyKill, Top Gun, Gunslinger)	81/76	14/14	3/5	1/3	0/2	
	Cholecalciferol (Agrid, Terad3)	92/87	6/7	¼	0/1	1/2	
	Zinc Phosphide (ZP Pelleted Bait, Prozap)	95/85	4/11	0/3	0/0	0/0	

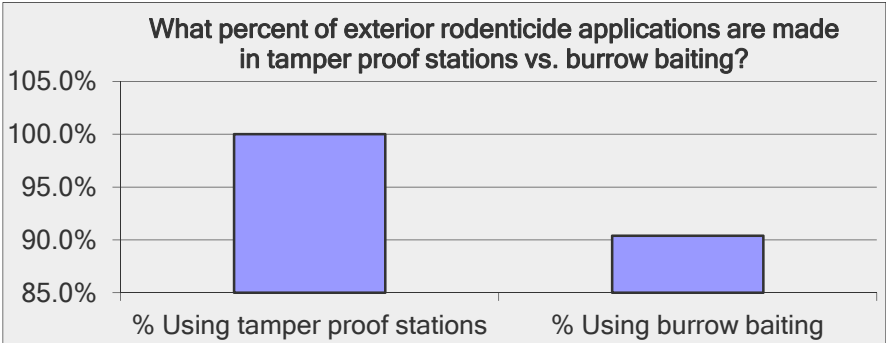
**Question 11:**  
When performing residential rodent control, how often do you place pellets or other approved formulation into wall voids?

Answer choice:	Percentage:
Never	62%
Rarely	25%
Sometimes	10%
Often	3%
All the time	0%



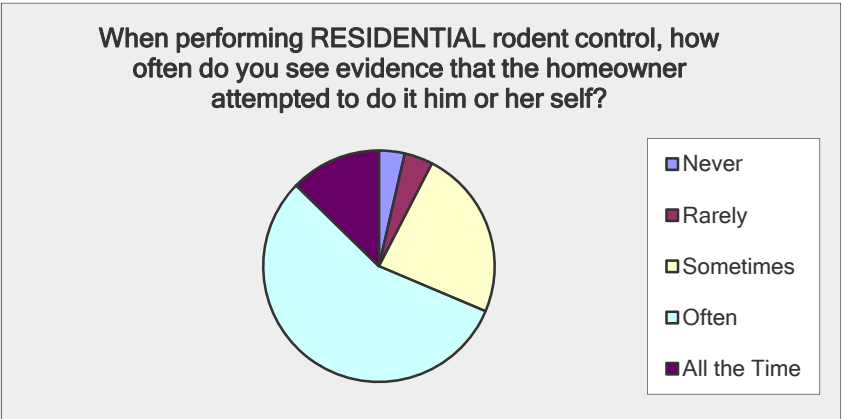
**Question 12:**  
What percent of exterior rodenticide applications are made in tamper proof stations vs. burrow baiting? (\*Note: Answers indicate respondents answered % of overall use not use in stations versus burrow baiting)

	Percentage:
% using tamper proof stations	100 %
% using burrow baiting	90%



**Question 13:**  
When performing RESIDENTIAL rodent control, how often do you see evidence that the homeowner attempted to do it him or herself?

	Percentage:
Never	4%
Rarely	4%
Sometimes	24%
Often	55%
All the time	13%

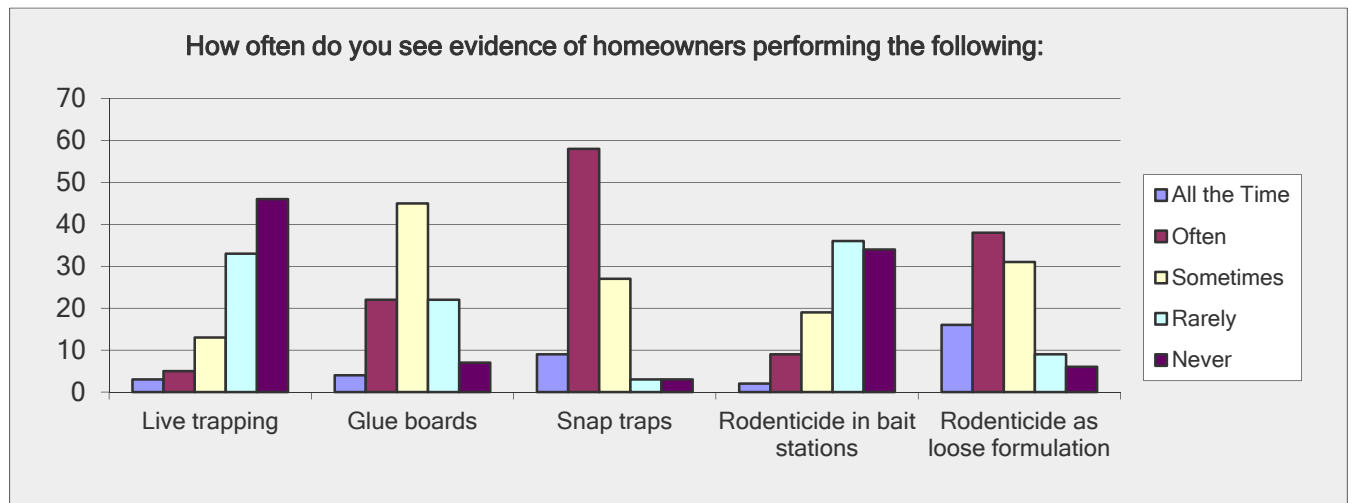


**Question 14:**

How often do you see evidence of homeowners performing the following:

Choices of: **Never** (0% of the time), **Rarely** (approx. 25% of the time), **Sometimes** (approx. 50% of the time), **Often** (approx 75% of the time), **All the time** (100%)

Percentage (%) who answered:	<i>Never</i>	<i>Rarely</i>	<i>Sometimes</i>	<i>Often</i>	<i>All the time</i>
Live trapping	46	33	13	5	3
Glue boards	7	22	45	22	4
Snap traps	3	3	27	58	9
Rodenticide in bait stations	34	36	19	9	2
Rodenticide as loose formulation	6	9	31	38	16



**Question 15:**

What affect if any, have new label changes had on your ability to use rodenticides for some of the noncommensal rodent species (deer mice, pack rats, wood rats, cotton rats, etc. ) which were removed for some of the labels where it was previously allowed?

**\*Note:** Non-commensal rodent control is not an issue for every PMP and is dependent on the area of the country they work in. In areas where non-commensals are an issue, the concern is higher for PMPs. The issue is better quantified in removing those who answered N/A or none, which changes the % significantly as indicated below in the second column.

Summarized Responses:	% of total responses:	% of those not responding N/A or None: *
N/A	6%	-
None	47%	-
Very little/Slight/minimal/little affect	11%	24%
Moderate/ somewhat	7%	14%
Huge/ A lot/ major/large effect	7%	14%
Other answers (see below)	22%	48%

**Other answers given:**

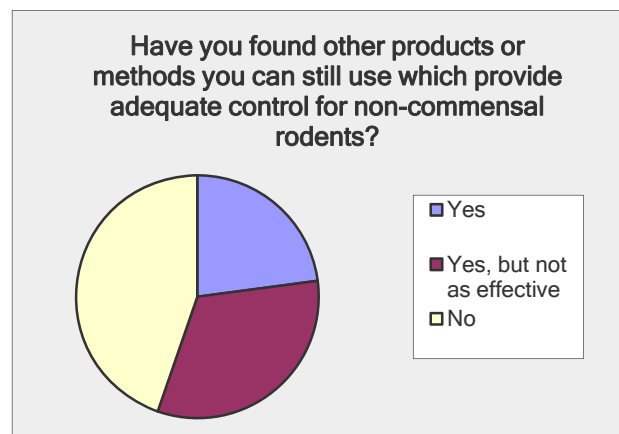
- Increased challenges
- I hate the distance from buildings limitations. Baiting on fence lines is totally appropriate in some settings.
- Bad regulation that is impossible to monitor.
- Made my costs increase , more work , less profitable
- Instead of being able to keep bait stations in place in garden/landscaped area we are now having to do more trapping in homes and outbuildings resulting in less customer satisfaction and more trips to the property. Instead of bothering with our multiple trips we are seeing homeowners buying a bucket of bait and throwing it around their property themselves.
- More challenging
- Baiting in areas 100 ft from structure
- Been harder to treat.
- Vacant lots prior to grubbing
- Have had to use mechanical methods. In some situations has made control more difficult.
- The label changes have made the work more difficult and costly.
- It has affected applications since those animals can enter buildings. Outdoor rodent populations can become significant.
- We can't offer or do control of these by label restrictions.
- Improved, we work with these species often
- Deer mice are #1 problem in this area
- It takes longer to get rid of rodents in some settings
- We have been referring several of these to exclusion contractors because of not being able to use bait in some circumstances.
- We had to adapt - customers not happy with changes.
- NO ACCOUNTS HAVE BEEN AFFECTED AT THIS TIME
- Populations are going to increase
- Basically shut down the use and increased health risk to homeowners from rodents. Many homeowners can't afford exclusion.
- Very few options
- I use only tamper resistant stations and limit bating.
- More sightings from accounts which think they are a commensal rodent
- In some cases it has made it more difficult. Particularly at food processing plants where pallets or other items may be store away from the building resulting in harborage and later causing rodents to be brought



into the building.

- Strychnine
- Vole control more difficult
- None, BUT if I did have a problem with these, I would want the opportunity to control them.
- We had to re-read the labels of the products we use.
- Made my job more difficult
- Customer complaints have increase due to interior infestation. due to the deer mice entering the structure where we had been baiting them in the tree line.
- Made it a lot harder to control those pests.
- Deer mice are problems in my area and treating for them under the new label language is injurious to our ability to provide the consumer relief from these animals.
- Ability to control has been adversely impacted.
- Have high populations of deer mice getting into homes
- Deer mice are a major problem in NC and are hard to control with snap traps and glueboards.
- Trapping
- In rural areas we see many deer mice, field mice inside homes.
- Considering what services we may not offer & rely more on traps
- Need to be on label
- Label dictates
- We have quite a few deer mice and not having bait to control has had a negative impact on the ability to control
- Technically (by the label) it could. However there is no way to control a non commensal rodent from entering a station.
- We can no longer treat for mice around a property fence line in a food and beverage setting.
- Reducing population in the vicinity can be helpful.
- Being sure of products, labeling, and bait station placement.
- In ME & NH most mice are white footed deer mice
- Very time consuming trying to find ways to stay legal, because several practices that were legal, are not anymore.
- Fence line bait stations were removed
- Fewer effective tools available at our disposal.
- Quite a bit in locales where these rodents are common
- Not as much as feared, but yes, this is an issue
- Deer Mice are a constant battle in New England. Fenceline baiting was helpful
- In commercial establishments it has increased the chance of interior populations with increased rodent pressure on the building; also creates major issues with burrows

<b>Question 16:</b>	
Have you found other products or methods you can still use which provide adequate control for non-commensal rodents?	
	<b>Percentage:</b>
Yes	23%
Yes, but not as effective	32%
No	45%



<b>Question 17:</b> Are you seeing an increase in occurrences of requests for rodent control?	
Yes	67%
No	33%

<b>Question 18:</b> If yes, what type of rodents? (could have chosen multiple answers)	
	<b>Percentage:</b>
Commensal rodents (house mice, Norway rats, roof rats)	88%
Non-Commensal rodents (deer mice, pack rats, wood rats, etc.)	28%
Other (please specify):	10%
<ul style="list-style-type: none"> <li>• voles gopher</li> <li>• roof rats</li> <li>• prairie dogs, gophers, voles</li> <li>• Voles</li> <li>• house &amp; field mice</li> </ul>	<ul style="list-style-type: none"> <li>• chipmunks</li> <li>• rats and mice in barns and old buildings</li> <li>• and deer mice</li> <li>• Voles</li> <li>• Lots of deer mice in our area</li> </ul>
	<ul style="list-style-type: none"> <li>• Voles - major increase!</li> <li>• deer mice are just as commensal as house mice.</li> <li>• House Mice</li> <li>• very heavy increase in deer mice in metro Denver homes</li> <li>• Deer Mice are the predominant structural rodent pest in New England</li> </ul>

