Pilot Results Summary

ASSEMBLED BY JARED A SISNEROZ

11/28/2017
Exam Results

Min- 65%
Max- 92%
Median- 82%

Charts: Andersen Yang
Most Frequently Missed Questions

11. Pyrethrin applications are regulated under Title 3, California Code of Regulations Section 6970 Surface Water Protection in Outdoor Nonagricultural Settings.
   ◦ True
   ◦ False (correct)

39. It is recommended that the mix rate in the power rig tank is increased and the total volume applied per property is decreased.
   ◦ True (correct)
   ◦ False

20. The following applications are exempt from regulations:
   ◦ Applications to above ground insect nests made of mud or paper combs (5%)
   ◦ Applications of baits in weather-proof stations or gel baits (correct) (11%)
   ◦ Applications to ant nest holes that go below grade (0%)
   ◦ All of the Above (84%)
Pre Survey Results

Question 1: How long have you been a Pest Management Professional (PMP)?
Question 2

Of the options below, which source of information do you rely on the most to learn about new regulations and label requirements?

<table>
<thead>
<tr>
<th>Option</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>a Internal/company provided education</td>
<td>2</td>
<td>9.09%</td>
</tr>
<tr>
<td>b Continuing education classes and/or workshops</td>
<td>7</td>
<td>31.82%</td>
</tr>
<tr>
<td>c Vendors and/or pesticide suppliers</td>
<td>8</td>
<td>36.36%</td>
</tr>
<tr>
<td>d Trade publications</td>
<td>1</td>
<td>4.55%</td>
</tr>
<tr>
<td>e Government and regulatory agencies</td>
<td>4</td>
<td>18.18%</td>
</tr>
</tbody>
</table>

Total 22
Question 3

How do you apply pyrethroids? Please select all that apply:

<table>
<thead>
<tr>
<th>Method</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Handcan (overhead application)</td>
<td>2</td>
<td>8.70%</td>
</tr>
<tr>
<td>b. Handcan (ground application)</td>
<td>6</td>
<td>26.09%</td>
</tr>
<tr>
<td>c. Power-rig</td>
<td>7</td>
<td>30.43%</td>
</tr>
<tr>
<td>d. Granule spreader</td>
<td>5</td>
<td>21.74%</td>
</tr>
<tr>
<td>e. I do not apply pyrethroids</td>
<td>3</td>
<td>13.04%</td>
</tr>
</tbody>
</table>
Question 4

I primarily use pyrethroids to control _______. (select one)

- Ants: 6 responses
- Bed Bugs: 1 response
- Cockroaches: 2 responses
- Fleas: 0 responses
- Flies: 0 responses
- Mosquitos: 0 responses
- Spiders: 11 responses
- I do not use pyrethroids: 4 responses
### Question 5

The main reason for my product selection is _____.

<table>
<thead>
<tr>
<th>Option</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Price/economy</td>
<td>1</td>
<td>4.35%</td>
</tr>
<tr>
<td>b. Toxicity</td>
<td>2</td>
<td>8.70%</td>
</tr>
<tr>
<td>c. Previous experience with a product</td>
<td>14</td>
<td>60.87%</td>
</tr>
<tr>
<td>d. Customer preferences</td>
<td>0</td>
<td>0.00%</td>
</tr>
<tr>
<td>e. Advice from pesticide supplier/dealer</td>
<td>3</td>
<td>13.04%</td>
</tr>
<tr>
<td>f. Advice from boss/manager</td>
<td>3</td>
<td>13.04%</td>
</tr>
</tbody>
</table>

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**Question 6**

As a PMP, I apply the most pesticides _________.

<table>
<thead>
<tr>
<th>Option</th>
<th>Count</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>a. Outdoors</td>
<td>17</td>
<td>80.95%</td>
</tr>
<tr>
<td>b. Indoors</td>
<td>1</td>
<td>4.76%</td>
</tr>
<tr>
<td>c. Equally indoors and outdoors</td>
<td>3</td>
<td>14.29%</td>
</tr>
</tbody>
</table>

Total respondents: 21
On a scale of 1-5, with one being the most familiar, rate your familiarity with pyrethroid labels, and application requirements pertaining to surface water quality?
Question 8 (Quiz – 12)

When applying pyrethroids to a horizontal impervious surface such as a driveway, which of the following application methods are not permitted according to updated surface water regulations in Title 3, California Code of Regulations Section 6970 Surface Water Protection in Outdoor Nonagricultural Settings?

- Crack and crevice treatment
- Spot treatment less than 2 sq ft.
- Perimeter band application less than 2’ wide (correct)
- Pin stream

![Bar chart showing responses]

Pre (N=21) vs Post (N=18)
Broadcast applications of granular pyrethroids are not permitted within __ feet of horizontal impervious surfaces.
In California, pyrethroid applications can be made to vertical surfaces up to 3’ above grade, if the label states that.
Question 11 (Quiz -17)

In California horizontal perimeter band treatments cannot be made 3’ or greater from the base of a building outward.
Workshop Feedback
Overall Workshop Rating

- Slides were repetitive
- Very informative
- More specifics in the scenarios (vague)
- I like the hands on exercises and scenarios

![Bar chart showing overall workshop rating](chart.png)

- Very good. I learned a lot!
- Pretty good. I learned some new things.
- Ok. I learned a little.
- Not useful.

# of Responses
Ecological impacts of runoff and impact of monitoring on regulations

- excellent information
- I have been to a few classes about this
- I liked the polling of our knowledge and would like to see similar polling of Home Depot consumers as well.

![Ecological impacts of runoff and impact of monitoring on regulations](image_url)
Regulatory response to monitoring data - Using CA Code of Regulations and product labels to inform applications

• Not enough time to explain calibration of equipment
Critical uses for and alternatives to pyrethroid insecticide applications around structures

- *Very good. I learned a lot!*: 12 responses
- *Pretty good. I learned some new things.*: 6 responses
- *Ok. I learned a little.*: 2 responses
- *Not useful.*: 0 responses
Group Exercise: Overview of best practices, from calibration to recording

• Have the instructor leave and allow us to mingle and give a time limit it was very disorganized.
• Demo scenarios needed to be more specific. The calibration portion did not apply at all
• Group 1: the demo was not very well set up. Crack + creavice [sic] was the best option using termidor.
• This was great
• More emphasis on calibration training

![Bar chart showing responses](image)

- Very good. I learned a lot!
- Pretty good. I learned some new things.
- Ok. I learned a little.
- Not useful.