



January 31, 2017

The Orleans Hotel & Casino

KEYNOTE SPEAKERS

Paul Bello, BCE

Pat Copps, BCE

Claudia Riegel, PhD

Jeffrey Weier, BCE

See inside for more details.

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PRESIDENT'S MESSAGE

TABLE OF CONTENTS

President's Message 3

By Joey Toth

Establishing A Protocol For Training . . . 4

By Austin Frishman

Would It Kill You To Say Thank You? . . . 6

By Lloyd Merritt Smigel & Pat VanHooser

Rodents: The Ultimate Opportunists . . . 8

By Patrick Copps

Solving A Long Term Ant Problem . . . 10

By Paul J. Bello

2016 Pest Expo and Directory 14, 16

NPMA Upcoming Event. 17

Communicating Risk 18

By William A. Kolbe

**Nevada Department of Agriculture
Rolls out Pollinator Protection Plan. . . 22**

By Charles Moses

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By Joey Toth
NVPMA President
pres@nevadapma.org

Can you see the light at the end of the (Summer Rush) tunnel? I sure can. I hope your summer has been as productive as ours. Your association has been busy working hard on your behalf this year.

The Expo Committee is hard at work making this year's Pest Expo the best show in the west. You can expect a new set of speakers and new topics. During the Expo, we will also be raising money to benefit the USMCR Toys for Tots program. Make sure to bring your generous heart as well as your open mind. The NVPMA will be hosting a charity Sporting Clays Shooting Tournament. This will be a fun way to show off your skills and help raise funds for the children of Southern Nevada. You can enter as a single shooter or put together teams of four. Check out the insert in this publication for more information.

Our Business Development Workshop series is underway. Even if your company has been around for many years, you should take advantage of this opportunity. Topics such as the changes to The Department of Labor overtime rules and strategies to reduce your taxable income can be beneficial to everyone in our industry. We can always learn something new to help us be more profitable, serve our clients better, and to limit our liability. Check the schedule in this publication and make sure to RSVP for the events.

Like all things in life, you will get out of this association what you put into it. I want to encourage you to pick a committee that suits your skill set and make yourself available. Our committees shape the policies and direction of our association, which in turn helps promote the pest management industry in Nevada. A little bit of help can go a long way.

I want to thank everyone that has put in the time necessary to propel our association forward. The time and efforts of our board, officers, and committees are invaluable. Thank You.

BASICS 101

ESTABLISHING A PROTOCOL FOR TRAINING



By Austin Frishman, Ph.D., B.C.E.
President AMF Pest
Management Services, Inc.

Servicing a client's premises is not easy. It must be flexible and can change at a moments notice. The method of control, the pesticides selected and even the rodent or insect specimen can change over time. There are some other points that remain consistent. I call this Basic 101. They need to be emphasized to every new service employee and, just like in professional sports, reiterated at least once a year. Call it spring training, if you will.

Training directors, entomologists and outside consultants try to raise the level of training while forgetting to ever cover the basics. So here are my practical basics. It is a start. It is easy to add a few more of your own to this list. Do so.

- Care. Take pride in your profession, your company and your workers.
- Read the service slip before leaving the office to see what special instructions are recorded for each customer that day.
- See that you have everything on your vehicle that you need for the day.
- Be on time.
- If you are going to be late, let the customer know as soon as possible.
- Know where to park at each stop. In commercial stops know what door you are to enter.
- Know why the customer originally signed up for service.
- Smile. Nobody likes a grouch.
- Before beginning service, inform the person you have arrived and explain what you will be doing.
- Ask if anything special needs attention on that visit.
- Fill out the paper work when finished, entirely mapping all monitors and control devices if maps were not created yet.
- Inform the technician for each account what possible challenges they might encounter. Ex: dog in fenced area, chemically sensitive occupant.
- Know precaution for crawl areas, attics, basement, garages and locked areas.
- Know company policy on initial service, routine and follow-up services for each pest.
- See that they can read and understand a pesticide

label (before you are treating).

- See that they have a safe driving record and knows how to drive the vehicle that you are giving them before you hire them. (Note: Some routes use no vehicles but must know how to use a subway or public transportation).
- See that they have no criminal record before hiring them.
- How to alter service if it is raining vs. a sunny day or snowing.
- If no one is home, what type of service should they render?
- Know what to say when you cannot answer a customer's question.
- Have a list of all equipment and material required on the vehicle and what each item is used for.
- Dress according to company policy.
- Know how to clean their uniform and how often to change.
- If you need help or are not sure about anything, ask for support and explain who is part of their support team.

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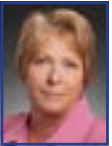
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Lloyd Smigel
Industry Guru



Pat VanHooser
40 Years Experience

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WOULD IT KILL YOU TO SAY THANK YOU?!



By **Lloyd Merritt Smigel and Pat VanHooser**
Care Management Consultants

A sincere THANK YOU can make all the difference in how a relationship goes. As owners and managers, we don't expect anyone to express gratitude for the baseball tickets or the paid time off or the lending of company equipment for the personal use of an employee. Nope, we just do these things because we are decent people and want our technicians and office people to know we care. But when someone gives us a heart-felt hug or hand shake and looks us in the eye and says, "THANK YOU," it changes how we feel about that person. We are human too!

When someone tells us they don't know what they would have done without our help, it makes us a little gooey inside. We like it. We don't expect it, but it sure is nice to be appreciated.

Maybe our employees feel the same way.

Hey, you're busy. You are providing a paycheck to workers so they can feed their families and work towards their own dreams. You train them and give them places to go every day to make money. You struggle to provide benefits. You take risks so they have these opportunities and hope it pays off for everyone - including you. They are expected to do the job they are paid for. It's a contract. They do the work and they get paid. That's pretty straight forward. But would it kill you to THANK them for the great job they do? Try it; you might be surprised how that changes your relationships for the better.

We had a guy who was a very valuable asset to our company. I could trust him to show up on time to early accounts or stay late to finish work when it was necessary. He didn't need much supervision. In fact, the more we tried to micro-manage his route, the more we just made a mess of it. He knew what needed to be done and just did it. I didn't need to worry about him.

One morning he and I were in my office talking about some problems with the other routes. I'm not one to hand out compliments but for some reason I blurted out what a pleasure it was to have him on the team. I looked him in the eye and said I APPRECIATE how

much easier my job is because I never have to worry about you. And if I could find 9 more just like you I'd snap them up in a minute.

He was stunned. He told me he had no idea I felt that way. In fact, he thought I didn't even notice! That was a wake up moment for me. Since then I have made a point to say sincere THANK YOU's to employees, customers, vendors and anyone else who does a great job. The simple fact that I show some gratitude makes people want to do better and it makes me a nicer person to be around. I feel better about me.

So keep doing nice things for people. If they don't say thank you - so what? Instead, look around for something nice to thank someone else for. Be sincere, look them in the eye and tell them you appreciate their effort. Try it for a month. You might change the entire culture of your company for the better.

It won't kill you.

P.S. It works in parenting and marriage, too.

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RODENTS: THE ULTIMATE OPPORTUNISTS



By Patrick Copps
Technical Services Manager
Orkin - Pacific Division

Those of us in the pest management business know that occasionally, in spite of our best efforts, critters can get past our defenses. When this occurs with any of the “commensal rodents;” (House mouse, Roof rat or Norway rat), a rapid response is required since these pests are well adapted to surviving inside structures. While this may seem obvious in older homes and buildings with structural challenges, even modern, well-built houses or commercial buildings can provide opportunities for rodents to enter and quickly become established. Consider the following information on the biology, habits and abilities of these pests:

- Mice are small bodied and can squeeze through an opening slightly larger than 1/4 inch in diameter (dime size) while rats can enter through openings as small as 1/2 inch (quarter size) – I observed a mouse entering a home via a hole that was drilled through a wall for a coaxial cable. “If the head will pass, so will the body”.
- Both mice and rats can have litters with six or more young and reach maturity within one month for mice and two-four months for rats. A large population can develop in a very short time. An aggressive response is needed when rodents get indoors.
- Mice and rats will gnaw on a variety of surfaces including insulated wires. Wires that are coated with grease as found at the cook lines in some commercial kitchens or near stoves in homes are particularly vulnerable to rodent damage.
- Commensal rodents are most active at night (nocturnal) and are cryptic by nature. Their presence may not become apparent until after a first litter is produced. This is especially true with Roof rats since these critters may live in a ceiling void and only come down at night to feed.
- Both mice and rats are excellent climbers and good swimmers. If necessary, mice can jump more than 12 inches vertically from a flat surface and can easily survive an 8 foot vertical drop. Rats have been known to survive falls from much greater heights. Do not underestimate the ability of these “rathletes”.
- Mice and rats can survive and even thrive in cold storage facilities at 40° F or lower (develop thicker fur). I have found mice tunneling inside chilled cheese rounds

in a commercial refrigerator and in the cork insulation of a walk-in freezer.

- Mice and rats will use pipes, wires, cables and “chases” to access a structure. More than once, I have observed rats or mice accessing fast food restaurants through underground cable runs from driveway signboards.
- In six months, one pair of mice can eat about four pounds of food and produce 18,000 fecal droppings. Losses from rodent caused fires or other direct means are common but perhaps more critical is the even greater damage caused by rodent contamination of food and food handling surfaces and the potential for disease transmission. All of those droppings, urine and shed hairs can and do end up in exposed food or on counter tops.

Comprehensive Inspections are required to determine why rodents are present. Rodents generally enter homes through an opening such as a gap under a garage door or through an unscreened vent (think dryer vents!) or an exposed pipe chase (water pipes or air conditioning conduits). In commercial facilities, these pests can enter through small openings around doors but it's not unusual to find mice or rats hitchhiking on pallets of incoming goods including ingredients and packaging products. Be especially vigilant of pallet loads of bagged material such as coffee, flour or sugar.

When rodents are accessing a building through an opening, the level of activity outside of the structure can be as important as the condition of the structure. This is particularly true for mice. Spring and Fall are the seasons when “mouse pressure” is at its highest. In Fall, when the temperatures drop, mice seek a sheltered location. In Spring, when the weather warms up, weeds, grass and other vegetation begin to grow and produce seeds. Since mice are strongly attracted to seeds as a food source and use vegetation for cover from predators, this can lead to a rapid increase in mouse activity and any weakness in building integrity will be exploited. Heavy “mouse pressure” has resulted in serious infestations in food handling facilities. In one case, a large number of mice were present in an overgrown field that reached to the foundation of a small food warehouse. On a warm Spring evening an employee used a repeating mouse trap to prop open a fire exit for a little fresh air. While the door was only open for a few hours that night, over fifty mice were trapped inside during the following week.

Once inside, both rats and mice will take advantage of any available harborage and food source. When signs such as droppings or gnaw marks are found, a complete inspection is required. The inspection must

Continued on page 11



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CASE STUDY: SOLVING A LONG TERM SERIOUS ANT PROBLEM



By Paul J. Bello

*PJB Pest Management Consulting
Author: The Bed Bug Combat Manual*

A call arrived from a local hospital where Argentine ants had been a long-term problem. As usual with this species, the ants were seen trailing in kitchen, pantry and break room areas where they foraged for food, and numerous ants were frequently observed as they trailed to various locations.

Ants are generally viewed as tolerable insect intruders in comparison to cockroaches, which are usually seen as being disgusting. It was when these ants made their way to the cardiac intensive care unit that the problem became serious enough to garner the attention of management.

The section of the hospital where this problem was happening involved five stacked floors. According to staff representatives, ants had been a continued problem here for at least two years. The problem was regarded as serious when ants were found foraging on patient beds, intravenous lines and patients themselves in the ICU. In fact, the problem was so significant that two entire ICU floors were vacated and patients relocated. This is what prompted the call.

Of course, the first step in resolving a pest problem is the correct identification of the target pest. These ants had been previously identified as Odorous House ants but the ants observed here were Argentine ants. These ant species are similar in appearance and behavior. While a misidentification would be incorrect, their behavior would be close enough such that the control methodologies would be similar for both.

The hospital staff had explained that “they’ve done everything” to get rid of these ants and that “nothing was working”. Review of the treatment records indicated that hundreds of gallons of insecticide had been applied both indoors and out. The staff stated that they had weekly “power sprays” done around the outside of the building for the past eight weeks yet the ant problem continued.

Experienced pest professionals already know that individual ants are relatively easy to kill. As such, consideration of the available information would lead one to a thought process which would consider; if all this work was being done correctly, what’s going wrong and why are we still seeing so many ants?

Under such circumstances it is wise to question and

consider what factors are being missed, what are the various possibilities and how might the known biology and behavior of these pests affect the situation. Such themes are useful when working to resolve problematic pest situations.

During the inspection of the facility things just didn’t add up. Something was going wrong and my suspicions could be confirmed with relatively little effort and time if only the ants would cooperate.

As you may know, Argentine ants are a type of tramp ant. These ants utilize pheromones, or chemical signals, to establish forage trails to and from food resources and back to their nest locations. We know this trailing is part of their normal behavior and we can use this behavior against them.

The staff informed me of several areas where ants were being seen on a daily basis. Jelly packets “borrowed” from the hospital cafeteria were opened and placed in a few areas for the ants to find and we went on a lunch break. Given sufficient time the ants would establish forage trails to and from the jelly placements such that nest locations could be found.

As expected the ants had begun to feed on the jelly packs while we were at lunch. What was unexpected was what was learned when following these trails. At just about 1/8th inch long these ants are small. As such, these ants can gain entry through doors, windows and wall voids which appear impassable. Here, these ants were trailing up the painted concrete block walls, across the window sill and through the window frames to the exterior.

A look out the window showed that the ant trails were headed upward and not down toward grade level. Looking out additional windows on floors above enabled us to see that the ants were headed up to the roof level. A trip to the roof was needed to inspect the roof area and see where these ants were going.

This building was a flat roofed structure and as commonly seen, the roof surface was covered with gravel. Beneath the gravel was a water proof bladder. Beneath the bladder were sheets of four inch thick rigid foam board insulation. The ants had hollowed out galleries and nest locations within the foam board insulation. Once we knew where the nest locations were, the ants would soon be easily eliminated.

Note that the power spray applications to the building’s exterior perimeter would never control these ants because the source, or nest, was not being treated. Ant field research work conducted in the nineties provided the basis and experience for tracking ants using suitable baits. Trailing or tracking ants using this technique can be successfully used to your advantage to resolve ant problems when needed.

RODENTS: THE ULTIMATE OPPORTUNISTS

Continued from page 8

include a three-dimensional look at the affected area and any potential access points. Black lights and a non-toxic tracking powder (talc) can help you locate active runways. Under a black light, stains from rodent urine will fluoresce blue-green.

Rodent management may not be “rocket science” but considerable thought and attention to detail is needed when developing a pro-active program for a large commercial food plant or eliminating a heavy infestation in and around a home. Generally rodent pest management programs require the use of traps and rodenticides in tamper-resistant stations but can include unique approaches such as the deployment of “gauntlet boxes” inside. These can be constructed by removing the top flaps and cutting 4” X 4” openings in the sides of a small (mice) or medium sized (rats) cardboard box. Three or more snap traps are placed under the inverted box with the triggers facing opposite directions. The traps are loosely covered with a sheet of toilet paper. Be sure to place your gauntlets in and near runways.

Other corrective actions could include the placement of supplemental traps, discarding damaged

product and ensuring that the affected area is cleaned and sanitized. More important, every effort is needed to determine and eliminate the source/root cause of the rodent issue. This requires inspecting for potential harborage sites and any openings in walls, behind fixtures or under doors that could serve as entry points. Any suspect opening (>1/8”) must be sealed completely with copper/stainless steel mesh as appropriate and a good grade sealant. Occasionally, you may need to use 1/8” hardware cloth or sheet metal to close off openings. A rodent repellent gel can be used to keep rats or mice from entering a structure until all openings can be sealed.

In summary, you can help keep your customers’ property rodent free through constant vigilance and an effective perimeter defense including the use of traps, baits in tamper-resistant stations, vegetation management, pro-active maintenance, and by educating employees or residents. If rodents are found inside a home or business, a detailed and documented corrective action process is needed. This must include inspection, monitoring and the elimination of the root cause as well as the use of suitable control techniques.



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Get A BUZZ! - These jokes are the bee's knees!
Q: Why is the hair on a bee so sticky?
A: Because it uses a honeycomb!

Have an industry related question, tip, joke? Then buzz over & drop us a line at thebuzz@nevadapma.org & bee on the lookout for new answers, facts, tips & laughs in each issue of NVPMA Magazine right here on THE BUZZ.

When submitting questions to THE BUZZ please give as much detail as possible. Questions that are not chosen to print in the magazine may be answered via e-mail. Please provide your first name and city when making any submission, only your first name & city will be displayed. All submissions to THE BUZZ will be available on the association website @ nevadapma.org.

KEY TO YOUR SUCCESS

Have you ever worked an account where you needed to secure a little bait from non-target species? Or needed a rotation of ant products, but didn't have an easy way to set the buffet to see what they were in the mood for that day? How about being able to repel deer, mice or other wildlife AND manage a fire ant invasion with the same device? Now, with the VM IBS (insect bait station) and the FBS (fly bait station), you can specifically target pest problems without wasting time and materials.

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Perhaps you have rodent activity you wish to repel in a production facility or attic. Securing a rodent repellent sachet in an IBS or FBS allows the product to work without interference from humans or other animals. In an outdoor setting, you can combine treatments for a larger animal (mice, deer, rats, etc.) by placing a repellent sachet in the station along with filling the shallow trays with ant bait to address ant problems.

The FBS is designed specifically for exterior fly work and discretely holds attractive fly baits and can be presprayed with liquid to enhance effectiveness. It is discrete and can be easily combined with landscaping materials.

For videos of IBS and FBS go to: pestweb.com/producttraining/VMproducts



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UNFAIR ADVANTAGE[™]



January 31, 2017

The Orleans Hotel & Casino

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KEYNOTE SPEAKERS

Paul Bello - Bees & Stored Product Pest
Pat Copps - Rodents

Claudia Riegel - Mosquitos & Zika
Jeffrey Weier - Ants

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MEET & GREET

Jan. 30 • 6-8pm • Stardust Suite

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UPCOMING EVENTS CALENDAR

WORKSHOPS:

August 31, 2016 • 1-3pm

BUSINESS PLANNING • Orleans Hotel

September 30, 2016 • 1-3pm

ACCOUNTING P&L WITH CASH FLOW • Orleans Hotel

October 28, 2016 • 1-3pm

MARKETING • Orleans Hotel

November 29, 2016 • 1-3pm

HUMAN RESOURCES • Orleans Hotel

QUARTERLY NVPMA MEETINGS:

September 29, 2016 • 6-8pm

Orleans Hotel

December 7, 2016 • 6-8pm

Orleans Hotel

January 31, 2017 • PEST EXPO • 8am-5pm

Orleans Hotel

Upcoming events are listed online
at our website, nevadapma.org

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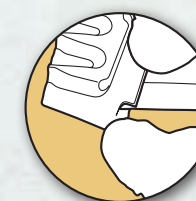
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ANTS

APPLICATION:

Click open bait station to expose entry ports. Lock and place station in locations where ant traffic is visible.



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FOAM FRESH™

TARGET PESTS:



BIRD DROPPINGS



BAT GUANO



RODENT ODOR



DRAIN BUILDUP



GARBAGE CAN SCUM

APPLICATION:

Apply after rodent, bird and bat cleanup, spray areas after rodent removal, spray into floor and sink drains, foam in wall voids and other tough-to-reach areas, spray garbage receptacles.



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THANK YOU TO ALL THE BUSINESSES THAT SUPPORTED THE ASSOCIATION AT THE 2016 PEST EXPO

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www.abbaitco.com
Andrej Branc - 610-849-1723
sales@abbaitco.com

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Tom Nishinura 215-654-0880
service@allergytechnologies.com

AP&G Catchmaster

www.catchmasterpro.com
Scott Baldwin - 480-760-5874
sbaldwin@catchmasterpro.com

B&G Equipment Company

www.bgequip.com
John Cotton - 678-688-5601
salesdept@bgequip.com

BASF

www.pestcontrol.basf.us
Jeremy Davis - 574-361-5058
jeremy.davis@basf.com

Bayer Environmental Science

www.backedbybayer.com
Josh Shoemaker - 602-820-5684
josh.shoemaker@bayer.com

Bell Laboratories

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James Desmond - 213-220-1394
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Building Blocks for Business

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Central Life Sciences

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Pitbull

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jtoth@pitbullpestcontrol.com

Protect-A-Bed

www.protectabed.com
Brian Hirsch - 414-731-1663
brian.hirsch@protectabed.com

Modern Methods

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NVPMA Charity Sporting Clay Tournament

To Benefit the USMCR Toys for Tots program and NVPMA

DATE

Monday, January 30th

TIME

8:00 am

LOCATION

Clark County Shooting Complex

REGISTRATION COST

Single Shooter: \$125.00
4 person "Squad": \$440.00
[Register by 12/31/16]

LATE REGISTRATION

Single Shooter: \$150
4 person "Squad": \$580.00
[1/1/17 - Day of event]

REGISTRATION INCLUDES

Mesh Shooting Vest
Golf Cart Rental
Rental of a Beretta 12 or
20 Gauge Shotgun
Ammo

[Must use Range provided ammo if using rental gun]

& Catered Lunch

Personal shotguns are welcome

[Personal ammo may be used if using personal gun]

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Mail registration and payments to Nevada Pest Management Association, P.O. Box 33986, Las Vegas, NV 89133. Email registration to charity@nevadapma.org. For more info call NVPMA at (702) 502-6572.

Name _____
Address _____
City _____ State _____ Zip _____
Phone _____
Email _____
Shooter 1 _____ Vest Size _____
Shooter 2 _____ Vest Size _____
Shooter 3 _____ Vest Size _____
Shooter 4 _____ Vest Size _____
Total \$ _____

☐ I won't be able to attend the event but please accept my charitable donation of \$ _____
☐ Single Shooter Registration x QTY \$ _____
☐ Squad (4 Shooters) Registration \$ _____
☐ Sponsorship Request _____ ITEM DESCRIPTION _____
Sponsorship Item Quantity x QTY \$ _____

*Please make checks payable to 'NVPMA' or 'Nevada Pest Management Association'

Please note: There is absolutely no alcohol permitted on the premises as we will be using live ammunition.



COMMUNICATING RISK



By William A. Kolbe, B.C.E.
Director of Technical and Training
Services for Viking Pest Control,
Bridgewater NJ.

Pest Management Professionals (PMPs) need to train employees (especially new hires) how to properly communicate risks associated with chemicals; yes pesticides are chemicals. An informative and hands on training program will not only help the employee effectively communicate risks, but will also be effective in showing your employees the risk they have when working with pest control materials on a day to day basis.

An example might be an employee wearing a respirator while applying a dust material. A customer may be alarmed at seeing this and ask, "Is that material dangerous; you're wearing a gas mask?" How do your employees respond? We hope the response is not something like: "Oh, don't worry I work in this stuff all day and it hasn't hurt me yet!" How about the customer who just asks, "Is that chemical you are using safe?" How would your employees or even your office staff answer that question?

At your next company training session have that question written out on a piece of paper, hand it out and have each person answer the question. Swap papers (as to avoid embarrassment) and get a discussion going. You may be surprised at the answers. As you know we are not allowed to advertise pesticides as being "safe" and we should use the phrase "safety features" instead. The real answer and guidance you should give your employees to the question "Is that chemical safe?" is to NOT ANSWER that question. Let me explain.

Many PMPs start a long elaborate explanation on the "safety" of pesticides. Sometimes they will talk about LD50s and studies involving laboratory animals, eye testing in animals and all of a sudden you've given the person asking the question a long list of more issues to resolve, further taking you away from their real concern which you haven't established yet.

PMPs need to establish the real issue when asked "Is this chemical safe?". Anyone asked this question should get confirmation by saying: "I share your concern regarding the safety of this product. Then get confirmation by saying; "What specifically are you concerned about?" You may get an answer like; "Oh,

my Grandchildren are visiting next week and I just want to make sure that what you do today won't hurt them." Now if you launched into a long explanation on LD50, LC50, dermal, skin, inhalation and other issues you may have given her frightening information that she was not looking for.

We need to teach our employees how to communicate risk by going slow and speaking with authority and proceeding not with "caution to the wind" but rather a communication style that allows the person asking the questions to talk and explain their feelings. We should listen twice as much as we talk and never try and impress a customer with too much information. We also need to know when the light bulb should come on and refer questions to someone else in the company; or even more important when to walk away from a potential customer.

Many years ago I received a call asking if a termite treatment could be rendered to a customer's home where one occupant was bed ridden, in an oxygen tent and could not be moved out of the room due to ill health. This situation boiled down to an internal issue of sales versus service but had the call not been made to me and the home treated the outcome could have been disastrous. Effective risk communication entails a set of guidelines where employees stop and get the right person in the organization involved in the situation. If adverse health effects are involved that must be communicated up the ladder in your organization.

Communicating risk is not easy and if you have not done it you may ask, "Where do I start?" Start with the above scenario and then ask each of those in your session to write down a situation they encountered. Collect the situations and put them on a flip chart. Then start writing "suggestions from the group" on how to answer each situation. You'll be amazed at how quickly the group will hone in on proper methods for communicating risks.

Phrases to avoid: "Don't worry. I use this stuff all the time and it doesn't hurt me." "You can drink this and it won't hurt you." "It's safe or I wouldn't be allowed to use it." "The EPA and FDA have approved it's use." Hint: FDA and EPA do not approve pesticides. They register them for use under strict environmental guidelines to include risk factors to humans, our food supply and our pets.

Phrases to use: The first and most important phrase is: "I share your concern regarding the safety of this product. What specifically are you concerned about?" Practice this phrase with your employees until they can say it naturally and unrehearsed and you'll be well on your way to dealing with risk communication.



#64

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NEVADA DEPARTMENT OF AGRICULTURE ROLLS OUT POLLINATOR PROTECTION PLAN



By Charles Moses,
Environmental Scientist IV
Nevada Department of Agriculture

On January 25, 2016, the Nevada Department of Agriculture (NDA) launched the Managed Pollinator Protection Plan (MP3). This voluntary plan is the product of coordinated efforts between government agencies, pest control industry representatives and beekeepers. It is designed to minimize pesticide risks to bees and other pollinators, although it also addresses a variety of pollinator risk factors (such as diseases and lack of habitat/forage).

By implementing the voluntary provisions outlined in the plan, pollinators will be protected and additional regulatory measures can be avoided. Visit the NDA website at agri.nv.gov/entomology for information on pesticide best management practices to protect pollinators and to view the MP3.

Tracking colony locations

A major focus of the plan allows beekeepers to register their colony locations with the NDA. With this information, pesticide applicators can determine the location of colonies that may be affected by a nearby pesticide application and take steps to notify beekeepers in advance so colonies can be protected.

To view colony locations in your area, contact ahauck@agri.nv.gov and provide your name, organization and a phone number to receive a private link. Please do not share information on bee colony locations with anyone outside your organization, as many are backyard beekeepers. If you find that a bee colony is located within two miles of a site where a pesticide application is to be made outdoors, please contact the beekeeper 24 to 72 hours in advance so he/she can take adequate steps to protect the bee colony.

Pesticide use and pollinator protection

Nevada Administrative Code (NAC) 555.470 specifies that any pest control licensee who intends to use any pesticide known to be harmful to bees, applied to commercially grown agricultural or horticultural crops shall give notice to beekeepers on or near the land to be treated, so they can protect their bees. The notice is not required if the beekeeper has not given the licensee current location and contact

information. Similar to the MP3, the licensee must notify the beekeeper personally, via telephone or e-mail between 24 and 72 hours before the application, if the application is to be made within a two-mile radius from a colony.

According to the MP3, pesticide use is legal to control nuisance bee populations (i.e. feral bee swarms, Africanized bee swarms, bee colonies in voids, wall voids, valve boxes, etc.) or bees causing a public health issue.

Identifying pesticides harmful to pollinators

Many pesticides, not just insecticides, can be harmful to pollinators if applied at the wrong time or not according to the pesticide label. There are many resources to help identify harmful products, but by far, the best way to do this is to review the pesticide label. All pesticide product labels considered to be hazardous to pollinators will contain mandatory protection language such as: "This compound is toxic to bees exposed to residue." Labels may also have the following bee hazard icon located under Directions for Use:



Additional resources

In addition to resources on the NDA entomology webpage, links to pesticide and non-pesticide protective measures are available in the MP3 and can be found on our website.

U.S. Environmental Protection (EPA) Pollinator Protection Website: www.epa.gov/pollinator-protection

EPA brochure for homeowners: www.epa.gov/pollinator-protection/basic-tips-consumers-protect-pollinators

NDA fact sheet on pollinator protection: <http://agri.nv.gov/uploadedFiles/agrinvgov/Content/Media/2014-08-bees.pdf>

Washington State Department of Agriculture brochure: <http://agr.wa.gov/fp/pubs/docs/388-tenwaystoprotectbeesfrompesticides.pdf>

If you would like any additional information feel free to contact me at cmoses@agri.nv.gov or Jeff Knight at jknight@agri.nv.gov.

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