A SPECIAL THANKS TO OUR PEST EXPO SPONSORS
Hello all and welcome to 2016. I hope the beginning of your year has been as exciting and busy as ours. When I agreed to serve as President of the NVPMA, I had to take a hard look at the organization and ask myself, “Why are people members of our association? Why am I a member?” I wanted to help better our industry and my company. I feel that the connections I forge through my membership help better my company and in turn, strengthen our industry. Sometimes it can feel like you are out there trudging away, trying to make a profit, trying to service your customers and keep everyone safe, or just trying to catch a breath. It helps to know you aren’t alone. The NVPMA is there to help make this a little easier.

Your association is off to a great start and I want you to look forward to the benefits that the NVPMA is bringing to our members. I want to personally thank those that have graciously volunteered their time to help make this association all it can be. Without their help, the January Pest Expo could not have been such a huge success. Misty Goodroad from Innovative Pest Management, and Jason Mayers from Univar have put a significant amount of effort into setting up our association. Thank you for all that you do.

With the restructuring of our committees, we have a ton of items coming up. Business development classes, CEU’s, legislative representation, industry public relations with news agencies and PSAs to drive business to our members are all in the works. In order to be able to offer these benefits, we will be looking for a few additional members to set up and participate in a few of our committees. As with most things in life, you’ll get out of this association what you put into it. We welcome any support you can offer to any of our committees.

Thank you for letting me serve our industry and we look forward to an exciting and profitable year for everyone.
Pesticide labels are written by technical people at the manufacturing level. They are then revised by their staff of lawyers who specialize in protecting the manufacturer. The labels are then submitted to EPA where a staff interested in further restricting the label add their own comments.

When you first see the finished label your lawyers do not have a chance to make suggestions. What you do know is: “The label is the law” and if you deviate from that label, your insurance company and the manufacturers of this product may hang you out to dry.

Here are a few new wordings on some labels.

- Do a thorough inspection prior to any pesticide applications. It does not say how long or what to inspect. Document what you do and be sure to include an inspection.
- Some ants and cockroach baits claim to be non-allergenic. Are you still using allergenic baits? Why?
- Some labels specifically list approval for use in LEED buildings. Do you know which accounts you do are LEED buildings?
- The PPE (personal protection equipment) is quite specific. Often the term long-sleeve shirt is required even in Nevada where it reaches 115 degrees F. PMP company is shifting to mandate uniforms using only long sleeve shirts. Where are you?
- Directions as to where and when to reapply varies from specific days or months to if pest activity re-appears. Do you know what these statements are for each pesticide you use? Do your technicians know? Are you following these directions?
- Sometimes the wording as clear as they attempted to be is not so clear. Example: You can use it in a “Structure”. How do you define a structure? Can it include a vehicle? Do you know the State Agency in your state that makes the final decision on this interpretation?
- Sometimes the label refers to additional literature. This extra literature then becomes part of the label. Do you have that extra label information? Do your technicians have it?
- Remember, in case of a spill, when emergency agencies (ex: police, fire, spill control) show up, they want to see the SDS sheet. Always carry that with you as well as in all vehicles transporting any pesticide formulations.

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

THE LABEL IS THE LAW.
Deviate from it and your insurance company and the manufacturer may hang you out to dry.

WORDING ON PESTICIDE LABELS:
THEY KEEP CHANGING

Lloyd Smigel’s
Discovery Retreat Seminar
He’s Back – All New and Improved
Commercial Sales Training
Coming this Summer and Fall!
Selling Commercial Accounts is a lot different than selling residential. Have you noticed that? Of course you have. This Seminar is totally dedicated to selling commercial accounts. Whether you are in Sales or Management or Sales Management, here is your opportunity to learn how to sell commercial business more professionally. Let’s all get together and have it out. What works, what doesn’t and how to we go from a reactive sales organization to a Proactive sales company. This retreat is designed to have your ready for a sales department in 2017. If you’re serious about a sales department and tired of saying – “Someday I’m going to work on it.” – NOW is the time - Let’s do it!!

WHO SHOULD ATTEND?
Decision Makers:
Managers/Owners/Supervisors. Everyone is welcome!
Why?
Because ALL of them will be directly affected by the Sales Policies that you want to implement for your company. Avoid the potential problems in advance - be proactive rather than reactive.
Women owners and managers are encouraged to attend.

PRESENTED BY:
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Industry Guru
Pat VanHooser
40 Years Experience

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Palatable, Practical & Simply Deadly...

SOFT BAIT
Highly attractive soft bait, ideal for clean-out and to tempt rodents away from other food sources.

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by Austin Frishman, Ph.D., B.C.E.
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SAVE NOW, AND LATER

You’ll get a rebate on your initial purchase of qualifying products. Then, throughout the year, this rebate will also apply to your additional purchases of qualifying products.

5 REBATE LEVELS

The more you order, the more you’ll save all year.

<table>
<thead>
<tr>
<th>REBATE LEVEL</th>
<th>MINIMUM REBATE ($)</th>
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<td>PARTNER</td>
<td>&gt;=$200</td>
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JANUARY 1—APRIL 30, 2016.

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AM I READY FOR THE SUMMER?

By Lloyd Merritt Smigel and Pat VanHooser
Care Management Consultants

About this time of year, I always used to put on an ‘extra’ person. I did this in my younger years, as I noticed that between March and July or August someone always seemed to have left the company. I was wrong. The fact of the matter was that I really needed at least two new employees – one for turnover and the other for growth.

But that meant I had to increase payroll – less profit. Again, I was wrong. By NOT having those two people – the repercussions were terrible and it decreased my profits substantially.

My problem was that I was a bit too greedy and I should have been looking at bringing on those two employees as both insurance and/or as an investment for the company – not just as an expense. It took me many years to learn that.

Some people NEVER learn that lesson and go through hell every year and wonder why.

Quite often it is hard for us to admit that we are our biggest enemy. Sometimes it is smart to just get out of our own way. It’s hard to admit you are wrong and even harder to act upon it.

Several years ago a client of mine hired me. He was trying to decide whether or not to sell his company or to let his children run it and he would go off on his boat. Once we developed a plan, it was difficult for him to let go. But he did slowly release the company and turned over more and more authority to the next generation. It was not easy. Both generations had to learn to be flexible.

Quite often it is hard for us to admit that we are our biggest enemy. Sometimes it is smart to just get out of our own way. It’s hard to admit you are wrong and even harder to act upon it. Several years ago a client of mine hired me. He was trying to decide whether or not to sell his company or to let his children run it and he would go off on his boat. Once we developed a plan, it was difficult for him to let go. But he did slowly release the company and turned over more and more authority to the next generation. It was not easy. Both generations had to learn to be flexible.

It is one thing to get ready for the summer – but getting ready to retire is another. Ironically, in both cases – it takes the development of a plan and a common goal.

So whether you are looking to prepare to have a great summer or a great retirement – you need to develop a workable, flexible plan. A plan that invests in your company and personnel.

The hardest part of any plan is being able to delegate your way towards your goals. You must be able to trust and train your personnel. If you don’t have anyone that you trust and/or is not competent enough to help move the company forward, the question becomes, “Who hired these people and who is training them?”

One company owner I worked with (his company was about $5 Million) said to me that he is stuck and cannot grow anymore because “I am surrounded by idiots.”

I asked him who hired these “idiots?”

He said, “Well, I hired them... but they weren’t idiots when I hired them.”

I then inquired, “Well then, have you developed some sort of course that you’ve put them through to make them idiots?”

He didn’t get it. He didn’t and wouldn’t take responsibility for his problems.

Continued on page 11
Green is no longer just a buzzword – as evidenced by consumers’ increased demand for environmentally friendly products. Your company may already be going green by incorporating some products that are exempt from registration (so-called 25b materials) or those that are considered “Reduced-Risk”.

Routine applications of pesticides to control pests are a thing of the past. Progressive pest management professionals are turning to green strategies to prevent pest problems. Consider developing and implementing a comprehensive Integrated Pest Management (IPM) program for your accounts where a “Green” service is requested. Since IPM focuses on mitigating pests by eliminating their access to survival needs – food, water and shelter – through sanitation and maintenance. This may require having employees who are well trained on the subtleties of inspection and monitoring and are comfortable with making small repairs like installing a door sweep or sealing an exposed pipe chase. By preventing pests on the front end using these techniques, you can reduce the need for reactive treatments.

Green pest management techniques are most effective when used as part of an ongoing IPM process of inspection, preventive action and monitoring. Here are some tips you can implement to “green up” your pest management programs:

**Fly Lights**
Fly lights use UV light to draw flying insects into a unit where they become trapped on a non-toxic sticky surface – a good tool for commercial accounts or when used as a monitor in a residence. Ensure they are positioned correctly and do not present a hazard to the occupants. Keep in mind, fly lights should trap insects that could inadvertently enter, but you don’t want the light to face outward and attract pests into a building.

**Repellants**
Small amounts of repellent dust help keep pests from hiding in hard-to-reach cracks and crevices in and around homes and other buildings. Commonly used to treat ants, repellants include a combination of silica gel and plant-derived pyrethrins to damage insects’ exoskeletons. Exposure to this combination leads pests to immediately retreat and causes their bodies to desiccate, or dry out. After applying repellants in small openings/cracks/crevices in the exterior of home, consider sealing the openings with a good grade caulk to reduce the pests’ hiding spots and the chance of future infestations.

**Sticky Board Monitors**
Place sticky boards in out-of-the-way places. Trapping crawling insects in this manner can help you to monitor for insect populations and alert you to the presence of pests before they can become established. Covered sticky boards are a good tool for catching crawling insects or scorpions when these enter garages. Place them in corners and under racking so these traps are out-of-reach of small children or pets.

**Pheromone Traps & Insect Growth Regulators**
These two strategies use pests’ own biology against them. Pheromone traps use synthetic versions of insect pheromones to lure insects onto a sticky surface where they then become trapped. These are especially effective in trapping stored-product pests like Indian meal moths. The appropriate pheromone trap can tell you if pest moths are stored product or fabric pests when customers complain of moths in their homes or businesses. Insect Growth Regulators (IGRs) use synthetic versions of insect hormones to prevent pests from reaching maturity – thereby preventing them from reproducing.

**Non-volatile baits**
Non-volatile baits like gels used as part of a comprehensive control program for German cockroaches contain chemical formulations that do not become airborne, making them a preferred option. Insects consume the bait and take it back to the nest – which helps to eliminate whole colonies. It’s important to rotate these baits to a new formulation every three months to ensure effectiveness.

**Organic (Green) Cleaner**
Organic cleaners use naturally occurring enzymes and “good bacteria” to break down the grease and grime that pests feed on without the use of harsh chemicals. Consider providing a “drain” service where you scrub drains thoroughly with a brush and follow up with an organic cleaner to remove the muck that drain flies use as a food source and breeding ground.
COCKROACHES AND DRAIN PIPES

By Paul J. Bello
PJB Pest Management Consulting
Author The Bed Bug Combat Manual

Those who conduct service in commercial accounts are familiar with the presence of floor drains. Such drains are found in various locations of kitchen, production, warehouse and storage areas. Some residential accounts may have floor and other such drains present as well. While these drains serve a useful purpose, they may also become problematic for today’s pest management professional.

Floor and other such drains have commonly been associated with certain pest problems for a long time now. Usually, these pest issues have usually involved fly problems. However, cockroaches have also been problematic in and around drains. The problem of American cockroaches entering an account via floor drains has been a common problem observed in the field for many years.

A few things come to mind when dealing with cockroaches regarding these drain related situations. Firstly, we need to determine if the roaches are coming out from the drain because they’re coming in via the pipe from a possible distant location or if the roaches are entering the drain and using it as a harborage from other areas within the account. Additionally, we also need to determine which drain(s) are problematic.

To determine the above, a thorough inspection of the drain(s) is necessary. Such inspections would include the use of a good flashlight. The inspection may be enhanced through the use of inspection devices such as an inspection mirror, a bore type scope and/or an endoscopic type camera. Please note that such cameras are currently available for about $75 to units over $200 from a variety of sources.

Of course determining which drain(s) is the source helps us to resolve the problem quickly. Experienced and competent pest pros know that isolation of the drain(s) helps us to determine which drain(s) is the problem. There are a number of ways to do this.

What we’re trying to do is determine exactly which drains the roaches are coming to and from for sure! Placement of a large translucent bowl or container over the drain from which roaches cannot escape serves to determine if roaches may be coming from that drain. Place a baited sticky trap inside this container such that roaches coming from that drain are trapped. Check this isolated drain within 24 hours for activity. Temporarily seal off certain drains using aluminum flashing, tin foil or other suitable material. Place sticky traps in close proximity to the sealed off trap. Strategic placement of sticky traps within the account can determine harborage and areas of greatest activity. Follow up and inspect to determine additional harborage areas as needed.

We know that pest problems exist for a reason. Determining the root or primary cause of the existing problem is beneficial such that the cause may be corrected which then provides a long term solution. This was the case when working to resolve a long standing roach problem in a hospital which was traced to floor drains.

Floor drains may be a source and harborage location for pests including cockroaches.

We need to remember that no pipe is 100% full of water or waste flow on a permanent basis. Common sense and logic dictates that the size of the pipe used is larger than the flow capacity for the application. Those of us lucky enough to work in sewer pipe locations where cockroaches, and rodents by the way, are a problem have seen that American roaches are in these pipes clinging inverted to the upper surfaces of the pipes. This sounds like a nasty situation, that’s because it is.

Old plumbing can be a problem source as well. Often times we see that deteriorated and obsolete pipes have been replaced or re-routed. When this occurs, the plumbing contractor may leave old pipes in place and/or simply cut off the old pipe and leave such pipes in place. When this occurs the plumbers have provided additional harborage and possible entry points from which roaches may become a significant problem. As such, we need to carefully inspect and determine if this may be one of the reasons for the current problem. Additionally, ask the client if they are aware of any construction and plumbing work which may have been done in the past.

In areas where the changing tides may affect ground water, surface water and/or the water table, roaches must move in order to avoid being submerged. When this is a factor, we will observe a greater incidence of cockroaches before and during the high tide periods. When increased roach activity seems to coincide with the change in tide, then those drain pipes which are affected by ground water should be inspected and suitably serviced as needed.

Note that there is any number of ways to resolve cockroach problems related to pipes and drains. However, the most effective methodologies will include addressing the source and cause of the problem. Any such pipes should be clean and free from debris and accumulation of biological materials on which roaches might feed.

A commercial duty steamer, such as those models used for bed bug control, is useful for drain cleaning. Some commercial models also have application kits available for drain cleaning. Note that, when properly applied, the steam can kill cockroaches as well. When doing so position a fellow team member at other drains to check if the drains are interconnected. This may be determined via the observance of steam and/or cockroaches attempting to escape from the steam.

Dusts have the advantage of being able to float within a hollow space such as a pipe and travel a great distance. Apply suitably labeled dusts as needed. When doing so, position a fellow team member at other drains to check if the drains are interconnected. The use of power dust application device may be useful for such applications.

Many pest professionals attempt to apply various baits within floor drains to control roaches. However, the floor drain and hollow waste water pipe environ may be an adverse environ for such applications. This is so because of the damp conditions and the competing food resource which may be present. If bait placement is desired, it is beneficial to provide a surface or container upon which the bait may be applied such that it is protected and available for consumption by the roaches.

Some pest professionals have had success with self-fashioned bait station devices. Small pieces of PVC pipe in which the bait is applied may be suspended within a pipe to serve as a bait station. Bait may be applied to a suitable object which might simply hang down into the pipe hollow from above such that the roaches may feed on the gel type bait applied thereto as well.

In addition to the methodologies utilized to address an existing cockroach problem, it is wise to inspect and treat thoroughly in combination with suitable follow up such that successful results are attained on a long term basis.

Am I ready for the Summer?

Continued from page 6

By the way, I interviewed many of his employees and they weren’t idiots.

He DID have people with potential but couldn’t/ wouldn’t see it. So ANY plan that he might want to try to implement would not have worked.

If you have the same problems every year – perhaps it is time for YOU to get some help and get out of that rut.

How to green your pest management business

Continued from page 9

These are just a few of the green techniques that can help keep your IPM programs running smoothly while making your company even more eco-conscious. Keep in mind that a successful IPM program relies on total participation. Work with your commercial and residential customers to ensure they know the signs of a pest infestation. These include live or dead pests, droppings, gnaw marks and cast skins from insects, nests of all types and similar evidence. Reporting and documenting pest sightings will help you as a pest management professional identify the source of the activity and limit the need to use a pesticide. Also, early identification of a problem helps mitigate the issue and prevent callbacks and cancellations.

The “Green” in IPM programs is here to stay and your company’s operations are a great place to start in making your business practices environmentally sound. Your customers will appreciate the forward thinking and most of all, the action behind your eco-friendly approach. Third Party Auditors in commercial accounts will acknowledge your commitment to serious pest management.

Patrick Copps is Technical Services Manager for Orkin’s Pacific Division. A Board Certified Entomologist in urban and industrial entomology, Mr. Copps has more than 35 years experience in the industry. For more information, email Mr. Copps at pcopps@rollins.com.
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.

The IBS and FBS are lockable and secure with a choice of shallow and deep trays to hold bait, lures and repellents in granular, liquid or gel forms as well as sachets. The stations can be used indoor and out and secured by staking, screws or ties. After the initial PMP assessment, station placement and product selection is determined. For example, for an ant infestation, the stations are usually mounted exteriorly and a selection of granulars, gels and liquids are easily set up in the trays. After a brief waiting period, the ant activity will let you know which product they are interested in and the remaining stations can be set accordingly.

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 discreetly 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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InTice 10 Perimeter Bait is the only 10% boric acid granular bait, and provides up to 90 days of control. The 1 lb per 1000 sq ft rate offers unmatched value.

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Nevada Pest Management Association

All fields must be completed on the following application. This information will be used for the membership directory. Register online at www.nevadapma.org

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Membership Fee: Premium member $99 per month • Regular member $175 • Table at Expo $825

Return this application with your check made payable to Nevada Pest Management Association.

Please charge my credit card: AMEX or MC Visa Name on card ____________________________

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I / We acknowledge the purpose of the sponsorship program of the NVPMA and hereby agree(s) to the membership and standards.

Signature __________________________________________ Date __________

Please mail or fax form to: NVPMA, PO Box 33986, Las Vegas, NV 89133 or Fax: (702) 925-3485 • Questions call Misty (702) 656-0455

April 28, 2016
Orleans Hotel • 6-8pm

September 29, 2016
Orleans Hotel • 6-8pm

December 7, 2016
Orleans Hotel • 6-8pm

Upcoming events are listed online at our website, nevadapma.org.
New regulations governing the Nevada pest control industry were approved by the state Board of Agriculture on Jan. 23, 2016, the Legislative Commission on March 10, 2016, and then filed with the Secretary of State and went into effect immediately. In order to help understand the new regulations, the following frequently asked questions have been provided based on questions pest control operators have asked the Nevada Department of Agriculture (NDA).

The new changes have provided clarifying language to existing regulation, as well as updating for modern technologies. The new regulations can be found in the Nevada Law Library at http://www.leg.state.nv.us/register/2016Register/R093-15A.pdf.

Did the industry have a voice in drafting the new regulations?

Many of the proposed regulation changes were based on recommendations from the industry. The NDA hosted a public workshop on Sept. 9, 2015 and a public hearing on Jan. 20, 2016 on the new regulations. Before the workshop and hearing, pest control businesses, operators, Restricted Use Pesticide (RUP) certification holders, and members of the public were invited to give comments on the proposed regulations. At or before the hearing, the NDA received 12 written comments and another 12 verbal comments from the pest control industry, concerned citizens, government agencies, and non-profit organizations. All comments were considered and many were adopted as changes to the proposed regulations.

When is the NDA going to start enforcing the new regulations?

The NDA started enforcing the new regulations as soon as they went into effect on March 10, 2016.

What is the age requirement to qualify for a pest control operator license?

The new regulations clarify that an applicant has to have obtained the age of majority (which is 18 in Nevada) to have a pest control license in Nevada. An applicant must reach the age of majority before he or she can even take the exams or apply for a pest control license.

Who is required to have the new consultant license category or the new research and demonstration license category?

The consultant license category is for employees of pesticide dealers who directly influence pesticide purchase decisions. For example, employees who understand a client’s specific needs and make specific product recommendations would use the consultant category. Sales personnel who do not directly influence the purchase decision are not included. Speakers at continuing education seminars are also not included, nor are speakers at any event that only present technical data and give only generic recommendations.

The research and demonstration category is for researchers who conduct experimental trials or demonstration trials for hire. However, it does not include researchers working for public agencies such as the University of Nevada Cooperative Extension. It does apply to private independent researchers or pesticide company researchers doing experimental work in Nevada.

Do government agency personnel who handle pest control now have to be licensed?

Government agency personnel who handle pest control do not have to be licensed unless they are providing pest control “for hire.” Government agencies that perform pest control as a part of their mission and are funded by taxes or fees are exempt from licensing at this time. However, if the agency is providing pest control that may compete with private industry then the agency personnel are required to be licensed by the NDA.

I’ve read that pest control applicators across the country are experimenting with unmanned aerial vehicles (“drones”) to apply pesticides. Do I need a pest control license for that?

Yes, in the new regulations, the use of unmanned aerial vehicles for the application of pesticides in Nevada requires that the applicator have an aerial pest control license just like pilots of manned aerial vehicles (fixed wing planes and helicopters). In addition, the operator of the unmanned aerial vehicle has to meet all Federal Aviation Authority requirements for registration and operation of an unmanned aerial vehicle.

I provide termite pre-treats, has anything changed for me?

Yes, the new regulations clarify the definition of the term “termicide” in Nevada. Under the new regulations, the term termicide refers to a pesticide registered by the United States Environmental Protection Agency (EPA) pursuant to the Federal Insecticide, Fungicide and Rodenticide Act, 7 U.S.C. Section 136a (often referred to as a “Section 3” registration) and has an EPA approved label which provides directions for use for the control of termites in the “Directions for Use” section. In addition, the termicide product must be registered with the NDA.

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While PPE is not required for Temprid ReadySpray, Bayer always recommends that appropriate protective clothing be worn as needed. Bayer CropScience LP, Environmental Science Division, 2 T.W. Alexander Drive, Research Triangle Park, NC 27709, 1-800-331-2867, www.bayercropscience.com. Bayer, the Bayer Cross (reg.) and Temprid® are registered trademarks of Bayer. Not all products are registered in all states. Always read and follow label instructions. © 2016 Bayer CropScience

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with the above described EPA approved label. In addition, the NDA white tag is no longer required to be posted after a Wood Destroying Pest Inspection report or a post-construction termite treatment.

I run a business and need to keep expenses under control. Are there any fee increases in the new regulations?

The NDA Pest Control program is fee based and must be self-sustaining. To keep the program viable, the fees for exams have been raised to $50 for the first attempt at an exam, and to $35 for additional attempts. This increase is partially mitigated by the NDA putting the study manuals on line for free download.

In addition, the new regulations have implemented a late fee for annual licensing/relicensing. Late processing of licensing/relicensing applications is an expensive process for the NDA. The late fee is $125, but if you submit your completed annual licensing/relicensing packet on time then you don’t have to pay the late fee. “On time” refers to packets postmarked by Dec. 31 of each year.

Are there any other changes?

There are several. First, there is a new licensing category for pesticides and biocides used in cooling towers, petroleum exploration and pumping, and similar operations that use and recycle a lot of water. Second, there is new requirement that tags reporting preconstruction termite treatments (“green tags”) be on a form prescribed by NDA (that is, a green tag cannot be photocopied or otherwise duplicated). And third, if insecticide baits are placed in a location accessible to children or pets they need to be in a bait station.

In addition to these new regulations, NDA made changes to the regulations last year as well. Are there more to come?

The NDA is committed to keeping up with changing technology and in improving its delivery of services to the public and the regulated community. Regulations will be reviewed and revised as needed.
THANKFULLY, THE DRY NEVADA CLIMATE HELPS PREVENT EXTENSIVE PROBLEMS FROM WOOD BORING BEETLES, BUT OCCASIONAL ISSUES DO OCCUR.

NEW HOMES, PARTICULARLY HOMES THAT USE LOGS AS STRUCTURAL OR ORNAMENTAL PIECES, ARE ONE OF THE MOST COMMON PROBLEM AREAS. IF THE TIMBERS USED IN CONSTRUCTION ARE RELATIVELY FRESH, INSECTS MAY EMERGE FROM THE LOGS. THESE INSECTS USUALLY DO NOT RE-INFEST THE STRUCTURE, BUT AN ACCURATE IDENTIFICATION SHOULD BE MADE TO BE SURE THEY AREN’T A POSSIBLE PEST. SOME SPECIES MAY ACTUALLY EMERGE OVER A VERY LONG PERIOD OF TIME, UP TO SEVEN YEARS.

IN NEW HOMES LARGE (1.5 TO TWO INCHES IN LENGTH) BLACK LONG-HORNED BEETLES, KNOWN AS THE NEW HOUSE BORER, ARE FOUND OCCASIONALLY (FIGURE 1). THE NEW HOUSE BORER CAN SURVIVE THE MILLING PROCESS AND THEY OFTEN COMPLETE THEIR LIFE CYCLE A YEAR OR TWO AFTER THE HOME IS BUILT, BECAUSE LUMBER IS VERY RARELY KILN DRIED. THESE BORERS DO NOT RE-INFEST HOUSES.

POWDERPOST BEETLES (LYCTIDS) BY JEFF B. KNIGHT, ENTOMOLOGIST NEVADA DEPARTMENT OF AGRICULTURE WWW.AGRI.STATE.NV.US

IDENTIFYING WOOD BORING BEETLES FOUND IN HOMES

THE ENTOMOLOGIST’S MICROSCOPE: PEST IDENTIFICATION

FROM THE ENTOMOLOGIST’S MICROSCOPE: PEST IDENTIFICATION

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POWDERPOST BEETLES (LYCTIDS) ARE GENERALLY 1/4 TO 1/2” INCH IN LENGTH, A DARK BROWN COLOR AND ARE SOMEWHAT FLATTENED FROM TOP TO BOTTOM. FALSE POWDERPOST BEETLES (BOSTRICTHIDS) CAN BE UP TO 3/4 OF AN INCH LONG, AND ARE VERY CYLINDRICAL IN SHAPE. BOTH ARE MOST COMMONLY FOUND INFESTING FURNITURE OR WOODEN SCULPTURES. INFESTED ITEMS CAN BE FUMIGATED OR HEAT TREATED, DEPENDING ON THE TYPE OF FINISH AND THE SIZE OF THE OBJECT. POWDERPOST BEETLES HAVE ALSO BEEN FOUND INFESTING HARDWOOD FLOORING, WHICH MOST OFTEN RESULTS IN THE FLOORING NEEDING REMOVAL. THESE INFESTATIONS ARE OFTEN BE TRACED BACK TO INFESTED FIREWOOD BEING BROUGHT INTO THE HOME. ENSURING THAT THE TREATED MATERIAL IS COMPLETELY COATED WITH A FINISH WILL HELP PREVENT RE-INFESTATIONS.

THE BEETLES IN THE FAMILY PTINIDAE (DEATHWATCH BEETLES AND SPIDER BEETLES) ARE MORE OF AN ISSUE IN AREAS WITH HIGHER HUMIDITY. IN NEVADA, THIS TYPICALLY MEANS IN MOIST CRAWL SPACES AND BASEMENTS. THEY ARE USUALLY ASSOCIATED WITH DECAYING SOFTWOODS. THESE INSECTS ARE 1/8 TO 1/4” INCHES IN LENGTH AND CAN BE RECOGNIZED BECAUSE THE PROTONUM (DORSAL PLATE OF THE EXOSKELETON) CONCEALS ITS HEAD, AND THE HEAD IS USUALLY NOT VISIBLE FROM ABOVE. THE ANTENNAE HAVE AN ELONGATED CLUB CONSISTING OF SEVERAL SEGMENTS.

AS ALWAYS, A POSITIVE IDENTIFICATION IS VITAL IN LOCATING THE INFESTATION AND DETERMINING THE BEST COURSE OF ACTION.

FOR INSECT IDENTIFICATION, SEND OR DELIVER SAMPLES TO:
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405 SOUTH 21ST STREET
SPARKS, NV 89431
NEVADA DEPARTMENT OF AGRICULTURE
2300 EAST ST. LOUIS AVE.
LAS VEGAS, NV 89104

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