

PCN

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PEST CONTROL NEWS®

THE MAGAZINE FOR THE PEST CONTROL INDUSTRY



issue **108**

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Asian hornet identified for the first time in the Channel Islands

The invasive *Vespa velutina* poses a major threat to honey bee health. What happens now?

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Fenn traps and implementation of the Agreement on International Humane Trapping Standards (AIHTS)

Implementation of standards delayed for two years (until July 2018)

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Connecting the dots with wireless technology and the Wedge System

The effectiveness of wireless remote monitoring systems for rodents.

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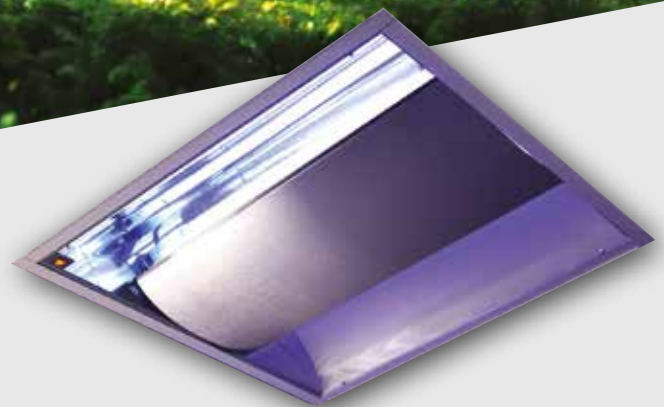
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Bite Size...

Asian hornet identified for the first time in the Channel Islands

Keep up to date with your professional development

All Pest Control News readers can now receive two BASIS PROMPT CPD points per calendar year. All you need to do to claim these points is include PCN on your annual BASIS PROMPT record using the following code:

PC/40660/15/g

For further information on the BASIS PROMPT scheme or to register, please visit:

www.basis-reg.com

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A detailed case study looking in to the effectiveness of wireless remote monitoring systems for rodents.

RSPH update on qualifications in the pest control industry **30**

RSPH recently complete a review of the pest management qualifications.

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BASIS develop new mobile app

BASIS has developed a new mobile app for the professional register members that will revolutionise how continuing professional development (CPD) points are recorded and administrated.

The free app acts as a digital ID card making it quick and easy for members to register CPD points and log participation in training activities and events. The app is compatible with all Apple and Androids. Members can use their unique account number displayed as a barcode on their phone instead of a physical membership card to register for CPD points.

www.pestcontrolnews.com



Stuart Mitchell earns prestigious Certified Forensic Consultant

Stuart Mitchell has earned the prestigious Certified Forensic Consultant, CFC® designation from the American College of Forensic Examiners Institute® (ACFEI).

The CFC program recognizes a forensic consultant's training, experience, and dedication to the highest standards in the American judicial system. The CFC course and examination prepares the forensic consultant to be successful in court by covering a diverse range of topics. The ACFEI is the world's largest forensic science association, and it covers a broad range of forensic specialties.

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Struggling to understand your duty of care with regards to waste?

The right Waste, right Place information campaign has been put together by a group of sponsors to help small businesses and establishments meet their duty of care obligations as practically as possible.

The campaign is managed by the Environmental Services Association and sponsored by the Environment Agency, CIWM and ESAET. The website provides a simple guide to duty of care, responsibility, what you need to do and how you need to do it. There are simple steps, FAQs and succinct information that you need to know in order to perform your duty of care correctly.

www.rightwasterightplace.com/#intro



Killgerm Training announce major upgrade

Killgerm's training facility at their HQ in Ossett has undergone major refurbishment. The upgrade includes a new entrance, carpets and décor along with significant improvements to lighting, air conditioning and sound system. The refreshment room has also benefitted from the upgrade and brand new furniture. The fully equipped scenario rooms remain in place. Technical and Training Manager, Mark Butler, said, "These improvements have been specifically designed to ensure our delegates learn in pleasant surroundings enhancing their overall experience and since the refurbishment, many delegates have commented on the first class facilities we now have. It is vital that our facility continues to reflect the Killgerm ethos of quality training to the benefit of our customers who use it."

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Send us your selfie winner

It was a difficult decision for the panel as so many of you sent us your PCN selfie's; and they were terrific! After much deliberation we came to a decision.

The winner of the PCN selfie competition was Grace Baughan of Baughan Pest Control Ltd.

Grace won a brand NEW TC7 Telescopic Camera for the original and thoughtful selfie.

Congratulations Grace! To see a selection of other selfie's from entrants check out our Facebook page:

[Facebook/pestcontrolnews](https://www.facebook.com/pestcontrolnews)



Bayer Stewardship Video Release

With recent stewardship changes to rodenticides meaning that product labels include a new 'stewardship phrase', users including farmers, gamekeepers and professional pest controllers, will only be able to buy the stewardship label products if they hold a certified proof of competence or are a member of an approved farm assurance scheme.

Bayer has produced a video outlining the importance of the Campaign for Responsible Rodenticide Use (CRRU) and the implementation of the stewardship regime.

View here

www.pestcontrolnews.com/videos



Charlotte Cooper returns to the Killgerm Marketing Team after a year's travel around the world!

Charlotte is back in her previous role as Killgerm Group Marketing Assistant.

She will be working and further developing KG breakfast meetings and workshops throughout the UK.

"It feels great to be back! I'm excited to get out to the events, meet customers and look at further ways to improve our interactions," Charlotte, Killgerm Marketing Assistant.

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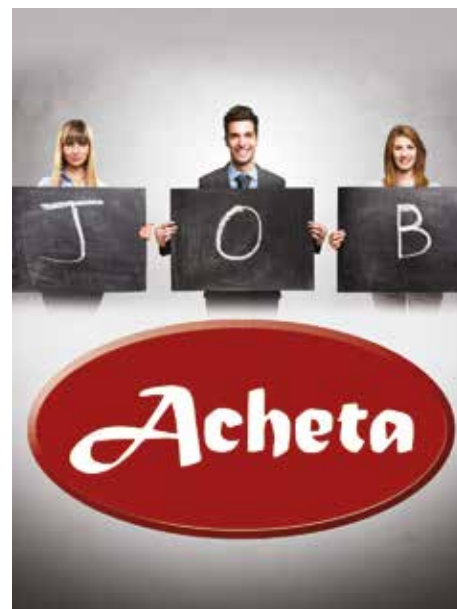


Dawn Heptinstall-Bolton has re-joined AgriSense as Sales Manager.

Dawn previously worked for AgriSense/Suterra from 2007 to 2013 but left to pursue a role with Woodstream Europe Limited.

After successfully growing the business at Woodstream Dawn was asked, by the newly appointed General Manager of AgriSense, Dave Avery, to re-join the business. Dave Avery commented, "I am delighted Dawn has decided to rejoin AgriSense, having worked with her for several years previously I know she will be an asset to the company."

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Experienced pest controller wanted

Up to £30k, plus commission, bonus and 25 days annual leave

Acheta Consulting Ltd provides independent pest management inspection and consultancy services to the food industry.

We are looking to recruit at least one additional team member, ideally based within the southern half of England. Although the perfect candidate will already be experienced in inspecting warehouses and food-manufacturing sites we are prepared to invest in a less experienced person who has what it takes to develop.

A driving licence is essential.

Requests for flexible/ part-time working would be considered.

This is a fantastic opportunity for an ambitious individual who wishes to be part of an innovative company working with high profile clients. Those interested should send a CV and covering letter, including details of current salary, to:

Mark Bowron, Acheta Consulting Ltd, Church View, Front Street, Churchill, Winscombe, BS25 5NB.

For a confidential discussion about the position call Mark Bowron on 07908-575813.

CLOSING DATE 28th October 2016



Guidelines for the Investigation of Zoonotic Disease (non-foodborne) in England and Wales (Version 2), July 2016

Revised and updated guidelines have been published which describe the roles and responsibilities of a range of organisations and agencies, including environmental health professionals, that can become involved in an outbreak of zoonotic disease.

In addition to a summary of the reporting requirements associated with notifiable, reportable and non-statutory zoonotic infections, the document also provides information on data sources and routine zoonotic surveillance systems in humans and animals. The guidance is intended to be used in conjunction with national and local communicable disease outbreak operational guidance and aims to facilitate the multi-agency collaborative working arrangements that are needed in responding to zoonotic incidents and outbreaks. The roles and responsibilities of local authorities and their environmental health professionals are clearly described and the guidance contains a wide variety of useful reference material.

www.pestcontrolnews.com/downloads

Asian hornet identified for the first time in the channel islands

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First reported by Pest Control News on the 12th July, the invasive Asian hornet *Vespa velutina* has been identified for the first time in Alderney, of the Channel Islands, posing a major threat to honey bee health. Alderney is the most Northern of the Channel Islands and due to the locality of this finding the UK is alerted to a potentially increased risk of *Vespa velutina* reaching mainland.

The nest was found by Jamie Laband, Ground Maintenance Team Leader of States Works Department and Technical Services. Jamie Laband reported the following, “The nest was round, with about a dozen ‘wasps’ in it and one large queen. The nest was in Braye Hill in a storage shed and was fragile, brown in colour, about the size of a grapefruit. The nearest honey bee colony was approximately half a kilometre away, so I have since alerted beekeepers.”

Jamie sent images of an “unusual wasp” to Dr Matthew Davies, entomologist and Divisional Technical Advisor at Killgerm Chemicals Ltd for identification.

Significance

Vespa velutina, sometimes known as the ‘Asian hornet’ is an invasive, non-native species from Asia. It has recently arrived in France (and now the Channel Islands) where it is spreading rapidly. It is a highly effective predator of insects, including honey bees and other beneficial species; it can cause significant losses to bee colonies, other native species and potentially ecosystems. It is capable of stinging humans and nests should be avoided.

Not yet present in Great Britain, it is considered likely to arrive soon. The places it is most likely to be found are in southern parts of England (it may be able to cross the channel from France or now the Channel Islands) or goods amongst which it could be accidentally imported (such as soil with imported pot plants, cut flowers, fruit and timber).

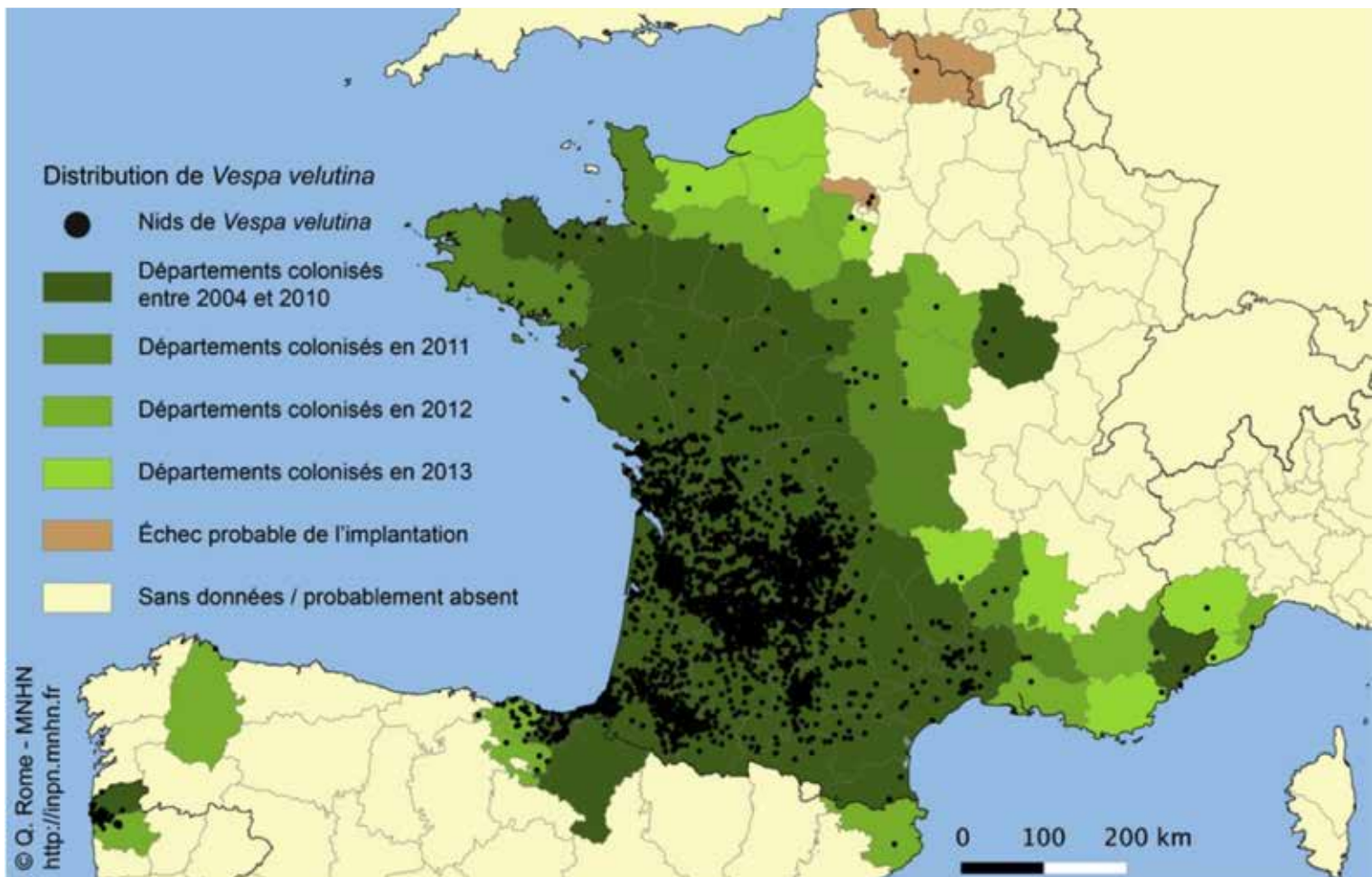
Identification

The thorax of *Vespa velutina* is a velvety black / dark brown with brown abdominal segments bordered with a fine yellow band. Only the fourth abdominal segment is almost entirely a yellowy-orange. The legs are brown with yellow ends and the head is black with an orange-yellow face.

If *Vespa velutina* is found in England and Wales, ‘what happens next’? There is a plan! The ‘Asian hornet response plan’

The government response plan for *Vespa velutina* is based on the following key points.

- i. Early detection;
- ii. Intercepting and preventing its establishment;
- iii. Nest destruction to eradicate localised outbreaks (if within a limited geographical area or areas);
- iv. Establishing long term management of the pest where eradication is no longer possible due to the number and extent of outbreaks; and,



v. Providing advice to the beekeeping sector including guidance on control methods at the apiary and identification information.

As the risk of entry and establishment are both rated as 'very likely' and the spread of *V. velutina* is 'rapid', we can jump forward to discuss nest destruction, as this is surely where we will be focused in the near future, moving on to longer-term management.

When the Asian hornet arrives, Defra will co-ordinate the response arrangements in England and Wales and attempt to establish whether the outbreak is isolated or widespread. The next step will be to commission the destruction of the nest by pest controllers or Animal and Plant Health Agency's (APHA) Wildlife Control Officers (subject to availability and costs).

Official control guidance states, 'The destruction of any nests will be the responsibility of the land/property owner or other responsible body. As the destruction of Asian hornet nests is a potentially dangerous activity due to their size and location (often some distance from the ground), it should only be undertaken by a trained professional.'

Chemical destruction is considered to be the preferred method as other options such as fire or rifle shooting are potentially hazardous to the operator and the environment and are also less effective and will cause surviving hornets to move to a new site requiring a further eradication attempt.'

Chemical control measures

Experience of *V. velutina* control in France leads to the recommendation that nests should be destroyed before the second half of July to avoid

the production of newly mated queens outside of the nest. If newly mated queens leave the nest, they will be able to found their own colonies. Of course, the slightly cooler climatic conditions in the UK may mean that mated queens emerge later.

It is not just time of year that is important. The time of the day is crucial too. The Asian Hornet differs from the European hornet *Vespa crabro*, in that it flies only by day and returns to the nest at night time. In fact, at least 30% of the colony will be outside the nest during daylight hours. It follows that night time or dawn or dusk treatment of Asian hornet nests will be most effective, due to most of the colony being within the nest at the time of treatment.

An important observation from France is that night time treatments appear to reduce the effectiveness of treatments with synthetic pyrethroids, such as permethrin. In the UK, most users would likely reach for a bendiocarb based powder (due to the non-excitatory effects compared to pyrethroids, reducing the likelihood of stings occurring), working to product label references for wasp control, as *V. velutina* is also known as the 'Asian predatory wasp' and is in the wasp family Vespidae.

Treatment technique will also be important, especially when over 80% of nests can be found 10m high and above, often in trees. That's a long extension pole for a duster, or hiring a 'cherry picker'!

As one would expect, treating the nest entrance is advisable. With mature *V. velutina* nests, the entrance point is 2-3cm wide and found at the 'equatorial zone' of the nest i.e. the central area, so treatments should be directed here. The

entrance point faces outwards, away from the support of the nest.

It is recommended that treated Asian Hornet nests are removed and destroyed by incineration at least 48 hours after treatment. This is because French workers have found that larvae have survived some treatments and could potentially develop into adult hornets, thus reforming the colony.

Field workers with experience of dealing with Asian hornet nests recommend wearing heavy clothing underneath a bee suit, to give protection from stings.

Further details regarding recommended control measures for the Asian hornet are available from the National Bee Unit and should be consulted prior to a treatment taking place.

Who to inform if you find an Asian hornet

The non-native species secretariat urges beekeepers, pest controllers, environmental health professionals and other interested parties to follow the advice given on their website: www.nonnativespecies.org/alerts/index.cfm?id=4

Sightings should be reported by emailing a photograph and location details to alertnonnative@ceh.ac.uk

Note from the editor:

As PCN went to print the Asian hornet was confirmed in the UK. To view the full article go to: www.pestcontrolnews.com

Getting the local buzz

PCN interviews beekeeper Ruth Collins, from the Guernsey Beekeeping Association

Danel Solabarrieta on Flickr

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What was your reaction when you were informed of the finding?

My initial reaction was 'Well, this is quite serious'. I say this because I know first-hand of the effects of Asian hornets on honeybee colonies. In around 2009 – 2010, I was keeping bees in the south-west of France, where *Vespa velutina* was and still is present.

On many occasions I saw *V. velutina* picking off my bees as they flew home to the hive. The hornets would hover above the bees, then swoop down and pick them off, before working their way inside the bee colony.

The hornets actually destroyed one of my colonies, which was very upsetting. I don't keep bees in France anymore.

How have members of the GBKA responded to the news?

We had a members meeting on Saturday the 30th July and it was very well attended, showing that we are all taking this very seriously.

In fact, over 90% of GBKA members were there and we all made hornet traps as part of our vigilance and monitoring measures.

The traps are good because the Asian hornet can

get in but not out! We made a trip to a local recycling centre to obtain plastic bottles to make the traps, as well as using locally-sourced wire and mesh. All these materials were provided free-of-charge to members.

What measures are beekeepers taking in terms of vigilance and monitoring?

Apart from building Asian hornet traps, I know of one GBKA member who is allowing grass to grow in front of his hives.

Letting grass grow tall in front of hive entrances can limit the area that Asian hornets 'patrol', yet honeybees can still make their way to and from the hive successfully.

How do you think *Vespa velutina* was introduced to Alderney?

I really don't know. My instinct is that they were introduced by boat shipment.

Are you now inundated with suspected sightings of *Vespa velutina*?

Interest has certainly elevated but we don't want to discourage members of the public from being involved. Their vigilance is just as important as beekeepers. Everyone has their part to play.

You must be relieved that action was taken so quickly in terms of reporting the finding, its verification and the nest being destroyed.

Absolutely, yes, the swift response was reassuring. I am very confident that Guernsey would be able to respond in an equally quick manner, should the Asian hornet be found here.

Do you anticipate the Asian hornet being found in Guernsey any time soon?

Let's say it wouldn't surprise me – they are already in Normandy and Brittany and the reason we are talking is because of the find in Alderney.

Mosquito Watch wants your mosquitoes!

Mosquito Watch is making an appeal to Environmental Health Practitioners, Local Authorities and Pest Controllers to send mosquito samples in to the scheme. There is an urgent need in the UK to understand the distribution of nuisance mosquito species and also to highlight the incidence of any invasive species before they can take hold.

The mosquito specimen (which should be placed in a crushproof container) should be sent to Killgerm Chemicals Limited, PO Box 2, Ossett, West Yorkshire, WF5 9NA. Please go to the Mosquito Watch website to fill in a report form and submit this with the specimen www.cieh.org/policy/npap_mosquito_watch.html

Part of Mosquito Watch's work is to obtain a better understanding of the distribution of nuisance mosquitoes that are biting humans in the UK. All findings are entered into a dedicated database which records the incidences of mosquitoes nationally. Another part of Mosquito Watch's role is to obtain information about any non-native species before they can become established.

N.B. Suitable crushproof containers include specimen pots, old medicine bottles, camera film containers and other sensible items.



Play your part by contributing to Mosquito Watch

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Pests in museums: What's eating your collection?

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Jane Thompson-Webb, Conservation team leader at Birmingham Museums, reports on the creation of an Integrated Pest Management resource to help museum staff protect valuable collections from pest damage.

Detailed knowledge of Integrated Pest Management (IPM) is gained from a lot of experience, enthusiasm for the subject and training. It has its own language and equipment and is often carried out by highly passionate people with an innate curiosity about creatures. One of the facets of good collection care is IPM, so training was essential in prevention, what to do if you find a problem and possible treatment options.

Training in Integrated Pest Management in museums

In the West Midlands region, funding from 'Renaissance in the Regions' in 2003 meant that Birmingham Museums (now Birmingham Museums Trust) was able to employ me to work as a Collection Care Officer for the Trust and co-ordinate a programme of collection care training for the six counties of the West Midlands.

A prominent element of this training was IPM, led by renowned consultant entomologist, David Pinniger (and now run by me). These courses have remained a feature of the training offered, ever since.

The courses were offered to those who wanted a refresher and to those who knew nothing about IPM, with delegates coming from all types of

heritage organisations. Quite early on, several things became apparent. One issue was that people had little access to IPM resources, the books are expensive and there are few that have a comprehensive coverage of museum insect pests.

Furthermore, many of the images available did not show insects on traps, making identification difficult for non-entomologists. Another challenge was that several organisations were finding insects not represented in the resources, such as the dermestid beetle *Reesa vespulae* (now called the 'museum nuisance beetle!'), thus having little information available to inform them regarding control measures.

Finally, many of the heritage organisations wanted to know if similar organisations had the same insect pests or if they were unique to a particular site; a case of 'is it just us?'

This information was not available as no one has studied the distribution of indoor insect pests in museums.

Pest identification resources for museums

Part of the rationale behind the training programme had been to empower heritage organisations to carry out good collection care for themselves; the production of high quality resources was thus felt to be important.

A CD-ROM was produced containing a selection of images of insect pests, plus information sheets on carrying out IPM and some decision trees to help organisations to determine if they had a problem and what to do about it. This worked

well, but it did have limitations as it could not be amended and the distribution of the CD was limited.

What's eating your collection?

Funding continued and in 2010, it was decided to create a website, which would hold all the content of the CD and more. The intention was that the website would enable new insects to be added as required, videos could be added and the content more effectively managed. In addition, the website provided a forum to create a database to collect information about the insects caught in heritage organisations.

The site www.whatseatingyourcollection.com remains a work in progress, as new insects are added periodically and new features are included. Most recently a database of IPM references was added to the site. It now contains probably the largest number of images of indoor insect pests in one place, making it a very useful resource for pest identification.

The insect pest-recording database continues to be populated, although it would benefit from more organisations entering their data as there are some geographical gaps. Even so, trends are becoming apparent.

David Pinniger and I continue to administer and add to the website and we are always pleased to receive suggestions for content or new requests to join the recording group.

Jane Thompson-Webb

Conservation Team Leader, Birmingham Museums Trust.



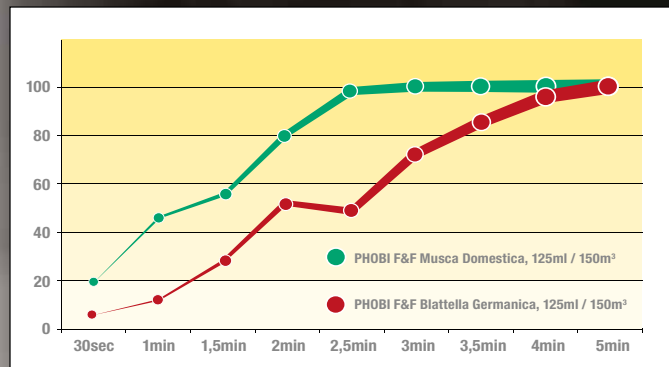
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Data showing the percentage of insects dead after the aerosol was activated



	PHOBI F&F Musca Domestica, 125ml / 150m ³	PHOBI F&F Blattella Germanica 125ml / 150m ³
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1min	45.5%	11.1%
1,5min	55%	26.6%
2 min	80%	51.1%
2,5 min	98.3%	47.8%
3min	100%	71.1%
3,5min	100%	84.5%
4min	100%	95.6%
5min	100%	100%

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Fenn traps and implementation of the Agreement on International Humane Trapping Standards (AIHTS)



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The only species trapped in the UK using a Fenn trap, covered by the agreement, is the stoat. Fenn traps do not meet AIHTS standards for stoat.

Defra have been working with trap testing facilities to identify a suitable alternative spring trap design which meets AIHTS standards, but have so far failed to do so.

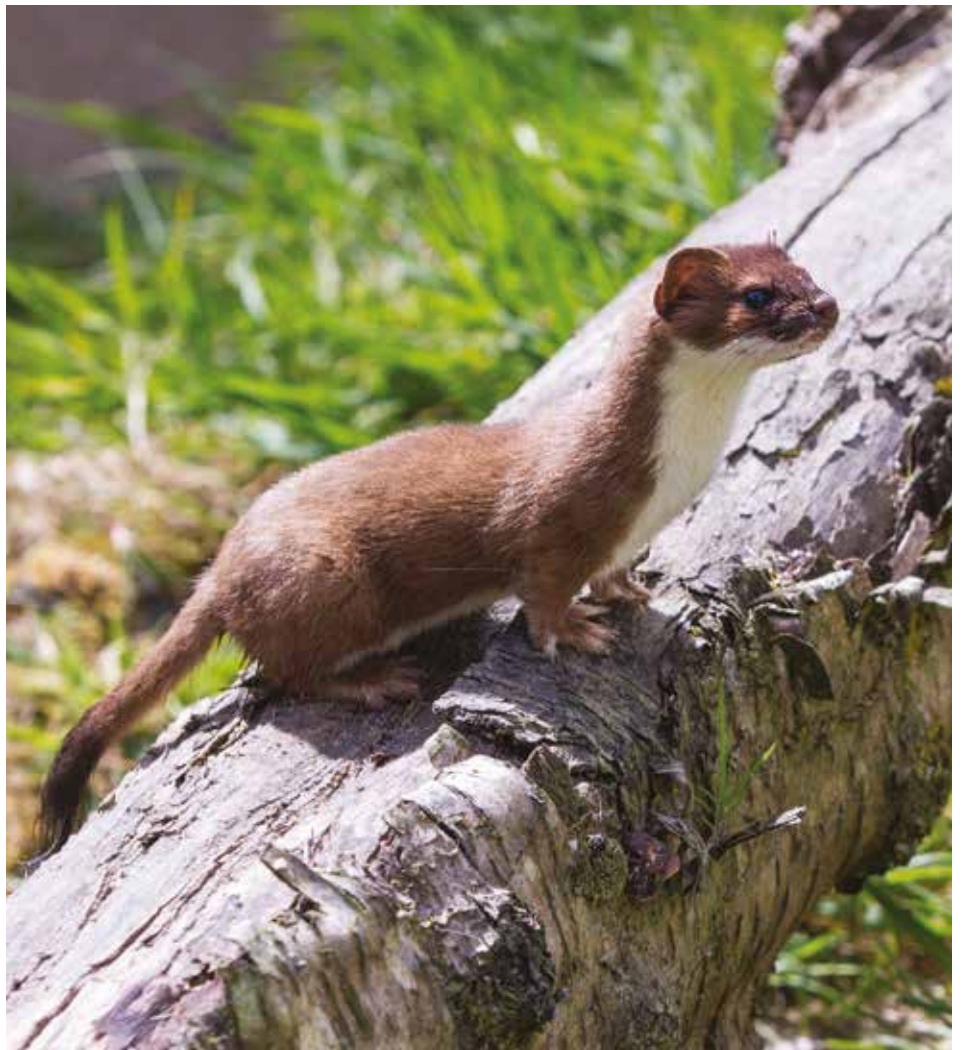
As a result of this, Ministers have agreed, pending a final decision following public consultation later this year, to delay implementing the standards for stoat for two years (until July 2018) so further research can be carried out to identify a suitable alternative design.

All traps, including Fenn traps, currently allowed by law for the purpose of trapping stoats in England, will therefore continue to be available for that purpose until the AIHTS standards are applied to stoat traps in 2018.

When the Agreement is implemented for stoats in 2018, they will no longer be a permitted target species for Fenn traps, but implementation will not prevent the use of Fenn traps against the other species they are approved for (e.g. weasels, rats, rabbits etc.).

However, once the agreement is implemented for stoat, trap users, who set traps for permitted target species in locations where a stoat may also be caught may, depending on the risk of catching a stoat, have to use AIHTS-compliant traps.

This consideration will be part of the risk assessment that trap users already take when assessing the risk of capturing non-target species.



Online vs offline!

The lost art of marketing

Online marketing has become the buzz word. Everyone says you need to have a website, need to have an online presence, regularly update your content through blogs, Facebook and Twitter posts.



Where has offline marketing disappeared to?

The newspaper advertisements, the catchy radio jingles, the flyers bursting through our letter boxes. Though online engagement is important, it does not replace the need for offline marketing.

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Marketing allows you to build brand recognition by using different techniques. Some techniques have been used for decades and are reliable; others are now more advanced, modern and sometimes more expensive. Even though there are still many advantages of offline marketing, we have started to see a lot more focus into online engagement. Traditionalists may not see this as a positive, but finding the right mix and combining a variety of methods can help companies reach target markets on different levels without exceeding their budgets. Let's have a look further into the lost art of offline marketing...

1. Print Advertisement

Print advertisement is still one of the most popular methods of marketing. The flexibility of where to print; newspapers, flyers, magazines or who to target; a local or national audience is a very attractive quality to most businesses. Major companies are able to spend thousands of pounds annually on print advertising, but it is still a cost effective way of marketing a small business.

For smaller businesses the local approach is always the most effective, target your immediate and consistent audience. Placing print advertisements in local magazines or village newspapers gets your businesses name through your community and places you in a very friendly position.

2. Public Speaking and Events

Think of this as networking, a way of getting to know people and building awareness of your brand. This marketing method is about benefitting from getting your name recognised on a long term basis. This does not always mean a corporate conference or a well-known exhibition; the little things are sometimes the most effective.

Volunteering to do an educational talk about your business and or showing off pests that you encounter at a local school or village show can be fun, informative and showcase your business well. If speaking at events isn't your specialty, attending them is just as worth-while for your growing network, take the opportunity to mingle with your local community. By getting to know someone it makes it easier to approach them on a personal level, the success of a business is based highly on trust.

3. Business Cards

This is probably the most old school way of offline marketing, but it is a strong classic. Business cards, especially for small businesses, are a must have. They can be given to any one at any time, be left in places of interest, and pinned onto notice boards in your local shops. Simple, yet very effective.

Business cards now come in a range of designs and styles; with different finishes, paper and colours to choose from. Find one that suits your personality, make your business card as fun and out-going as you like, have the edge and give people a lasting impression.

4. Branding

Branding is all about showing off your business. Having your business logo on display is the best way to attract the attention of people, and the more places the better. Logos on the side of vans are the equivalent to billboard adverts, they are bold and noticeable. Teaming this with having your business logo and name on employees uniforms, receipts and invoices is not only advertising your company, but advertising your professionalism and style too.

5. Giveaways

Giveaways are a friendly gesture with a hidden agenda. By adding your name, logo and company details to the free gift you are turning it into a promotional tool. The more useful the giveaway is the better, for example a notepad and pen is something that can be used daily at work or at home. It may sound too simple but people are seeing your name every time they use it. As long as you stick to a consistent theme with colours and your logo then branching out to magnets, keyrings, and more stationary can be more useful giveaways that are cost effective and will hopefully prompt more sales.

Online marketing is inevitable, but there are still offline tools that can complement it. Find the right balance and create a strong mixture of both online and offline marketing that can help your business grow.



Know your enemy

Pests in conflict with bat roosts

To avoid an offence from being committed, if bats or their droppings are discovered at any stage before or after pest control operations have started, work must not continue and advice should be taken from the Statutory Nature Conservation Organisation (SNCO). Please note that advice should be sought from your SNCO before any action is taken in order to keep within the law.

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Cluster flies
If bats are present, it may be possible to alleviate the fly problem by blocking the routes by which the flies enter the living areas of the house. Alternatively, vacuum cleaners can be used to collect the flies. Bat-friendly fly-traps include an enclosed box containing granules which attract the flies into it and dispatches them.

Spray treatment is not recommended in bat roosts but can be undertaken (using SNCO approved chemicals) where it can be confirmed by a bat worker/roost visitor that no bats are present. Spraying should always be a last resort, used only after all non-chemical methods have been considered and deemed unsuitable in that particular situation. If electric fly killers are to be used, advice should be sought from the SNCO beforehand, since their operational hours must be monitored and tailored according to the time of year. Any servicing required at intervals must also be agreed with the SNCO. Sticky traps should never be used in the vicinity of a bat roost.

Rodents

Always do the crumble test to check droppings are identified correctly.

Spring, cage or sticky traps should not be used in/near bat roosts as there is a risk that bats, particularly babies, may accidentally fall onto them and become injured. Similarly open trays of bait should not be used; although bats are not attracted to them, there is a possibility that they could fall into one or come into contact with rodenticide and accumulate poison on their fur, which they could ingest upon grooming. Ultrasonic devices should never be used in the vicinity of a bat roost as it is uncertain how they may affect bats and could potentially disturb them.

Only bait packs or enclosed forms of bait should be used in bat roosts. The Rodent Control advice sheet with appropriate timings and methods can be followed without the need for a visit, provided that no access points are being blocked. If access blocking is to occur, it must first be confirmed by a bat worker/roost visitor that these are not also being used by bats.

Wasp nests

In some circumstances, e.g. where wasps are a health and safety issue, insecticides suitable for use in bat roosts can be used, but advice must be obtained from the appropriate SNCO about when to apply them, particularly if bats and wasps share a common access point or the nest is close to the area used by the bats.

Usually a survey by a bat worker/roost visitor would be required to determine the case specific advice.

Summary of the law relating to bats

As population numbers have fallen, all bats and their roosts are protected under The Wildlife and

Countryside Act 1981 (as amended) and The Conservation of Habitats and Species Regulations 2010 (as amended).

Under these pieces of legislation it is illegal to:

- deliberately capture (or take), injure or kill a bat;
 - intentionally, recklessly or deliberately disturb a bat.
- In relation to the Wildlife and Countryside Act 1981 (as amended) the offence applies whilst the species is occupying a structure or place which it uses for shelter or protection; in relation to the Conservation of Habitats and Species Regulations 2010 (as amended) it applies anywhere;
- damage or destroy the breeding or resting place (roost) of a bat;
 - possess a bat (alive or dead), or any part of a bat;
 - intentionally or recklessly obstruct access to a bat roost;
 - sell (or offer for sale) or exchange bats (alive or dead), or parts of bats.

Under the law, a roost is any structure or place used by bats for shelter or protection. Because bats tend to re-use the same roosts year after year, the roost is protected whether or not bats are present. In this context 'damage' could include treatment with chemicals found in wood preservatives.



Bats

The Bat Conservation Trust has updated its advice regarding bats and has kindly allowed PCN to share the latest guidance on these iconic and protected non-target flying mammals. Bats and their roosts are legally protected and it is important that anyone working in these areas, including pest technicians, should be aware of what signs to look out for as indicators of bats roosting in a building.

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Are bats present?

- Ask the property owner about any history of bat presence.
- Have they seen droppings or bats in the loft?
- Have they ever rescued a bat nearby?

- Do they see bats emerging from the roof or landing on walls?
- During summer months (May-September) they should be able to see bats more frequently on a warm evening.

It may also be practical to undertake your own initial investigations to look for signs of a bat roost. You must take great care when seeking to identify a bat roost, firstly because of the safety issues of accessing lofts and other high spaces, and also because it is important not to disturb the bats when in their roost. When they are hibernating, if you do wake bats, they will use up valuable energy stores, and through the maternity season, you might disturb bats with their babies.

Bat droppings are usually dry and crumble easily between your fingers to a powder.

England: Natural England (via BCT) 0345 1300 228
 Northern Ireland: Northern Ireland Environment Agency 028 9039 5264
 Scotland: Scottish Natural Heritage 01463 725 165 batsinhouses@snh.gov.uk
 Wales: Natural Resources Wales 0300 065 3000 (ask for the species team)



Rodent droppings do not crumble. They quickly become hard.

You may see droppings on or around the property (e.g. on window sills/walls), particularly around possible

bat access points. A bat dropping looks very similar to a rodent dropping, but it will usually be very dry, and crumble to dust under very little pressure. If you notice any droppings, a quick crumble test (with gloves or a tissue) is a good way to get an indication of bat presence. You could also check the loft for droppings, but do be wary of the presence of any bats and stop immediately if you suspect any are there.

Where do bats roost in buildings?

Different species of bat prefer different places; many squeeze into tiny spaces, cracks and crevices. Only occasionally do they hang free or are easily visible.

Outside they may roost:

- under weather boarding or hanging tiles
- above soffits and behind fascia and barge boarding
- between window frame and wall brickwork
- in gaps behind cladding tiles or wood
- between underfelt and boards or tiles
- inside cavity walls
- along the ridge beam
- around the gable end
- around the chimney breast
- in cracks and crevices in brick / stone work and timbers

When do bats use buildings?

- Bats are most often noticed in houses between April and September. However they can roost in buildings at any time of year.
- Female bats usually have only one baby each year, suckling it for several weeks. The mothers gather in maternity roosts to have their babies in summer, and this is the time they are most likely to be seen using buildings.
- The bats move away when the young can fly and feed themselves and have usually left by September/October.
- Immature individuals, adult males and non-breeding females will occupy a variety of roosts, individually or in small groups, at any time of year.
- Disturbance or the use of chemicals at maternity roosts in houses can have a major impact on bat populations in the wider area.
- Bats do roost in houses in winter, usually in smaller numbers, but are difficult to see.
- Some species of bat e.g. brown long-eared bats can remain in properties all year round.

Know your friend



Some out-of-the box thinking between a leading professional pest control product manufacturer and an aircraft cleaning company has helped to secure a contract with a major airline.

Disinsection training partnership increases business prospects

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Flightcare Multiservices UK Ltd, the airline services company, covering 22 airports in the UK & Ireland, were approached to tender to clean the interiors of the airline and included in this contract was the disinsection (treatment with insecticides) of aircraft cabins.

In order to win the tender, the company had to prove competency with one of the only granular broad spectrum insecticides currently available - K-Othrine® WG250 (deltamethrin and piperonyl butoxide) from Bayer. The product distributors would only supply the company with the product on the condition that anyone applying it is fully trained.

"We approached Bayer about their K-Othrine® WG250 product and spoke to Richard Moseley, the technical manager from the pest solutions team," says Glyn Richards, quality and training manager at Flightcare Multiservices UK Ltd. "He was fantastic and agreed to come and train a number of Flightcare staff, over a number of days throughout the UK, and Bayer has issued certificates to trained individuals so that we can authenticate their status as qualified personnel.

"This training meant that the distributors would release the product to us and this was crucial in winning the aircraft cleaning contract," says Glyn. "The team is now being trained in everything from dilution rates to best practice techniques in application and not only is this working extremely well with the airline, we are now being approached by a number of airlines who are interested in the same service."

Richard Moseley is clear that training professionals to apply K-Othrine® WG250 is favoured by the Pest Solutions Team because it ensures that the product is stewarded and applied responsibly. "I can be 100% sure that those I train are in no doubt about best practice application measures with this product.

"And this training couldn't come at a more crucial time, with a number of broad spectrum insecticides being discontinued - K-Othrine® WG250 will continue to stay on the market, but we need to ensure it's used responsibly. There's also the matter of viruses spread by insects such as the Zika virus - spread by the *Aedes* species mosquito. The residual activity of the product means that mosquitos touching the surface of any interior surface on the cabin will be treated."

K-Othrine® WG250 is a water dispersible broad spectrum insecticide with up to 12 weeks residual activity. "It has a wide label permittance and can control a vast number of public hygiene insect pests, including black ants, bed bugs, fleas, earwigs, cockroaches, flies and mosquitoes," says Richard.

The fact that the product is packaged as a granule formulation makes the process of moving around the airport much easier from a security point of view. It can be moved through security with no problems.

Richard Moseley says Bayer is pleased to be working with Flightcare Multiservices UK Ltd. "Teaming up with them is a great example of how Bayer has worked with a large company to support and enhance the company's profile. It's one of the only company's in the UK to provide

aircraft disinsection, and using our product with this training really sets Flightcare Multiservices UK Ltd apart.

"The real beauty of the product is that it's the only granular formulation on the market. The active is in a granular carrier, so unlike other products, where the active is in a liquid form, any spillage won't absorb into the skin, and it's easy to manage and control," he says.

The granules are mixed with water using a specific applicator called an Ezidoser, which measures exactly the right amount of K-Othrine® WG250 granules (0.5g) to mix with 1 litre of water. This will treat 20m².

"If you mix an insecticide today and use it in three weeks' time, its efficacy will be drastically reduced, this is not good practise, or recommended," says Richard. "Mixing the correct amount is very important as it also means that you effectively save on waste, because hazardous liquid waste is some of the most expensive waste to get rid of.

"The packaging is small, not taking up much room, so it's easy to transport. And this is equally important when thinking about waste, because the disposal cost is low due to the 40g bottle size," says Richard. Bayer endeavors to support and advise their customers where they can.

If you have any questions on products or industry changes, get in touch with the Bayer team on 00800 1214 9451 or pestcontrolexpert@bayercropscience.com.



Bayer



APPROVED

for use on many surfaces
including mattresses.

Are you looking for a new residual insecticide?

www.environmentalscience.bayer.co.uk



K-Othrine[®] WG250



Scan the QR Code to watch the Ezidoser with
K-Othrine WG250 "how to" video on YouTube:
www.youtube.com/watch?v=iNgvtVmk5GI

K-Othrine[®] WG250 is a deltamethrin granular formulation from Bayer. When used in conjunction with an Ezidose applicator, this water dispersible, broad spectrum insecticide offers the following benefits:

- ☑ **Ease of use.** One press of the Ezidoser measures precisely the correct dose for 1 litre of mix.
- ☑ **Smaller bottle size.** Easier to carry and reduces storage in vehicles and store.
- ☑ **Less risk of contamination** due to the granular formulation.
- ☑ **Less wastage.** Only mix what you need with the Ezidoser.

Bayer CropScience Ltd, 230 Cambridge Science Park,
Milton Road, Cambridge CB4 0WB
Tel: 00800 1214 9451 Fax: 01223 226635
www.environmentalscience.bayer.co.uk

K-Othrine[®] WG250 contains Deltamethrin 25.0% w/w (HSE 8092, PCS 94096). USE BIOCIDES SAFELY. ALWAYS READ THE LABEL AND PRODUCT INFORMATION BEFORE USE. PAY ATTENTION TO THE RISK INDICATIONS AND FOLLOW THE SAFETY PRECAUTIONS ON THE LABEL. TRIPLE RINSE CONTAINERS AT THE TIME OF USE, PUNCTURE AND INVERT TO DRY. K-Othrine[®] WG250 is a registered trademark of Bayer. © Copyright of Bayer 2016. All rights reserved.

Connecting the dots with wireless technology and the Wedge System

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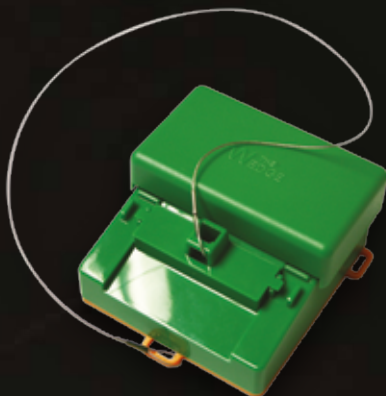
The Wedge



The Mini Wedge



The Pull Plate



The LED Base Station



The ID Base Station



The GSM uNIT



In recent years wireless remote monitoring systems for rodents and vertebrates have been introduced in to the market.

Early systems were complicated to set up with confusing operating systems. This left many technicians scratching their heads, but now the technology has been updated and refined. The only question left is which one to go for?

In this article we take a look at the Wedge System from Traptec and the possible positive benefits that the system could have on your business. The innovative Wedge System marries high tech radio monitoring with low tech traditional traps allowing technicians 24/7 monitoring of buildings and areas of infestation.

This adaptable system from Traptec offers a number of products which can be used for rat, mice and vertebrate control with snap back traps and live cages. The first product in the range is The Wedge; this small unit is activated when the trap is placed on top of it. When the trap is triggered, the unit uses a 12volt battery to emit a signal to the base stations.

A smaller Mini Wedge is also available which is ideal for using in speedbreak traps. For vertebrate control using live cages the Wedge System also offers a Pull Plate Unit which is designed for indoor and outdoor use.

With the Wedge Systems you have the option of two different Base Stations. The LED Base Station (Orange) simply flashes when a trap has been triggered. The ID Base Station (blue) is a superior station which alerts you with the ID number of the trap which has been triggered, allowing for quick detection, removal and re-setting of the trap. With the addition of the GSM unit and a sim card this allows the Base Stations to text or email alerts direct to the technician.

All of this technology sounds great but how does it apply to a real life job? To learn more we sat down with Jason Cholerton at CSS Pest Services Ltd who has experience of using the Wedge System on a number of commercial and residential jobs.

Jason set up CSS Pest Services Ltd in 2011 after working for an international pest control company for over 14 years. Since the start CSS Pest Services Ltd has continued to see year-on-year growth and now operate out of three bases in the Midlands (Derby, Nottingham and Leicester). The majority of their work is serving commercial clients, with expertise in large food and drink companies, blue chip organisations, healthcare services and local housing associations, which make up 70% of what they do. The remainder of their work is responding to residential call outs.

Why did you choose the Wedge System over a conventional method?

“The majority of our work is in large commercial buildings where food is being produced so there is stringent auditing and procurement process which we have to go through to obtain contracts. For this we have adopted the AIB standard as this is a level of servicing which is recognised across the industry. We feel that adopting the Wedge System over traditional monitoring and baiting methods allows for a quick kill and reduces the risk for contamination of toxic chemicals entering the production chain.”

How does the Wedge System differ from other wireless monitoring systems on the market?

“Before we adopted the Wedge System we looked at several different systems. We found that other systems were complex and only alerted you to activity and didn’t kill the pest.”

What would you say are the key benefits of using the Wedge System?

“We’ve found the Wedge System is simple and easy to install and it allows us to quickly identify activated traps. The system also allows us to open up discussions with new customers as it allows us to share our knowledge and show direct results. The whole system is completely adaptable due to the different components which are available. The system eases customer’s fear and takes monitoring and control remotely out of the environment reducing disruption.”

How many customers and contracts do you have at the moment using the system?

“We currently have around eight systems running at the moment with differing configurations. The majority of them are in use on food and beverage manufacturers and blue chip companies.”

Tell us about a particular contract where the Wedge System has proved a success?

“One major benefit of the Wedge System is that it increases efficiency and time management of your workforce. We work with one of the local housing associations on monitoring and trapping pests in their empty properties. We’d found that in the past it was difficult to liaise with housing officers when it came to organising inspections and obtaining access to their properties. By installing the system we’re able to be immediately notified when a trap has been activated within a specific property. We can then quickly obtain access and re-set the traps.”

What have been the main challenges you’ve faced using the system?

“On one job in particular we have around 200 separate components running off several Base Stations. The large factory has a complex layout which meant that signal between Base Stations was restricting and we were receiving miss readings via the online web portal. To gain more of an insight we reached out to Trevor Hayden and Frank Anderson from Traptec. They were quick to get on board and accompany us on a site visit to evaluate the installation and rectify the issue ensuring that all notifications coming through to the online web portal were accurate. Their knowledge of the system is fantastic.

One issue that we’re now looking into is the ongoing running costs of the sim cards which are needed in the GSM Units to send the text or email alerts. The pay as go option is proving costly to maintain so we’re looking at sim only contracts to see the variation in price. The costs are difficult to justify when the trap is rarely triggered, for example in the vacant properties which we monitor for the local housing associations.

Another challenge we’ve faced has been with powering the Base Stations. For the Base Stations to operate they have to be plugged into the mains. This has only been an issue when installing the systems in a factory setting. A lot of the power sources in a factory are around the perimeter; however the Base Station needs to be in more a central location to pick up the network. This has meant we’ve had to overcome this by using extension cables and securing them down.”

How do you find promoting this system to your customer?

“Our customers are really in favour of the system. They like that it’s an audit driven, efficient and non-toxic solution for their pest control requirements. The quick kill and the reduction in time for monitoring, replacing with toxic baits gives them peace of mind as the risk of contamination is reduced quickly. With many of my customers being blue chip they’re also extremely interested in the technology behind it.”

How did you find installing the system?

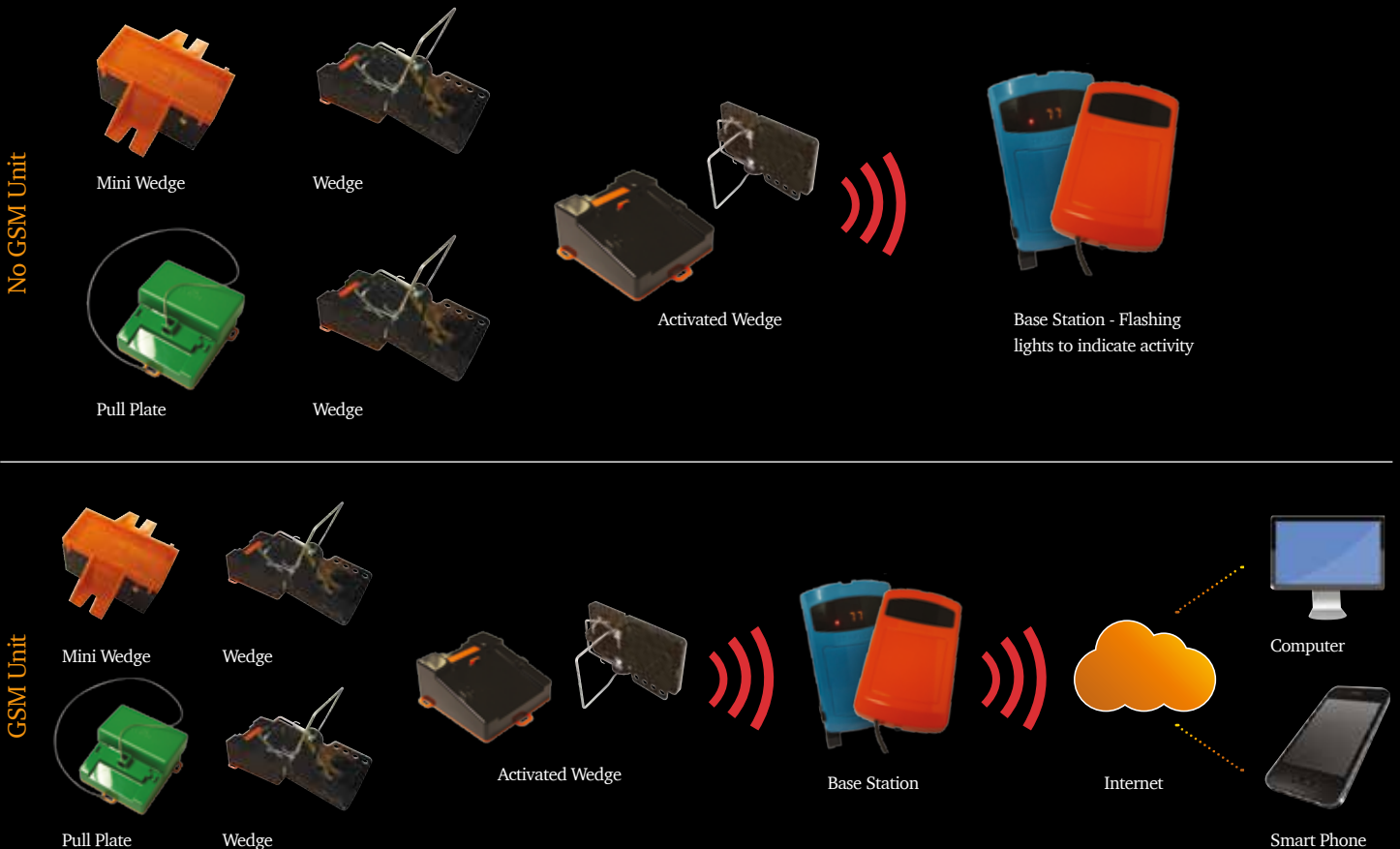
“We’d done a lot of research into the system so when we came to installing the first system it was pretty easy. We knew that any questions or problems we faced that Trevor and Frank were at the end of phone call or email to answer any queries that we had.”

How do you monitor activity across all the sites?

“We have a great Admin Team at CSS Pest Services Ltd and they’re tasked with monitoring the online portal for activity and communicating that out to our technicians. We have a strong system in place which allows us to be adaptable and responded to activated traps effectively. We also have procedures in place to remotely check that all systems are working correctly across the multiple sites.”

What would your top tips be for using the Wedge System?

“My best tip would be to utilise the experience on Trevor and Frank when costing up a job. On larger installations I’ve had Trevor or Frank attend site visits so that I know exactly what components and configurations are needed to fulfil the customer’s needs.”



Making Sense of Rodent Senses

Here is a first for PCN – a pest control ‘tongue twister’! Try saying this out loud... “Making sense of a rodent infestation requires a sense of a rodent species’ senses. A sense of a rodent species’ senses requires making sense of the stimuli rodents can sense.” There is certainly some truth in this and in his article, Dr Stuart Mitchell takes us on a journey through the senses of rodent pests.

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Sense of vision

Although they have relatively reduced vision, rodents’ eyes are positioned closer to the sides of the head, providing a wider field of vision to avoid predators. This means they can be particularly adept at avoiding predators such as birds of prey, the humble domestic cat and yes, even us as pest controllers. It really is a case of “all the better to see you with...”

How does rodent vision work? The technical bit: The cornea and other eyes structures bend light rays to focus on the retina. The image is formed upside down and is inverted by the brain. The retina (like film in a camera) is where visual images are formed, sensed, and converted into nerve impulses that are processed in the brain. The optic nerve is located in the back of the retina and transmits impulses from rods and cones to the brain. This allows the animal to mentally process what is being seen.

Sense of hearing

The pinna is the visible part of the ear and made of cartilage covered with skin. Rodents can move the pinna for directional hearing, so they really can hear us coming.

How does rodent hearing work? The technical bit: Vibrations in the air are converted into nerve impulses that are interpreted by the brain as sound. The external ear (pinna and ear canal) funnels sound wave vibrations into the ear and toward the eardrum.

The middle ear amplifies and transmits vibrations from the eardrum to the inner ear. The inner ear has sensory receptors to convert mechanical vibrations to nerve impulses.

Sense of smell

Sense of smell in rodents is particularly important, helping them judge group membership, sex, reproductive status and identity of others.

How does rodent sense of the smell work? The technical bit: A chemical sense similar to taste, odour receptor cells are within the mucous membranes of the nasal cavity.

Odour molecules dissolve in the mucus and come in contact with receptors. Cells transmit impulses to the olfactory bulb, which sends impulses to the brain and is interpreted as smell.

Sense of touch

Skin contains sensory neurons that can detect chemical, mechanical, and thermal stimulations related to pressure and temperature. Sensations are soft contact, deep pressure, vibration, hair movement, heat, cold, and pain. Nerve endings protect against injury or damage.

Rodents make sense of their environment with keen senses. Keen senses result in tropism or turning toward or away from a stimulus. The word tropism comes from the Greek, tropos, “to turn.” Positive tropism means to turn toward the stimulus while negative tropism means to turn away from the stimulus.

There are three main types of tropism.

1. Geotropism—turning toward (positive) or away (negative) from the ground or earth.
2. Phototropism—turning toward (positive) or away (negative) from light.
3. Thigmotropism—turning toward (positive) or away (negative) from touch or contact..

Sense/Stimulus	Geotropism	Phototropism	Thigmotropism
Vision	✓	✓	
Hearing	✓		✓
Smell	✓		✓
Touch	✓		✓

✓ Likely sense(s) used for each stimulus.

Rodents are quite inquisitive, social animals. Novel situations interest them. Making sense of both rodents’ senses and the use their senses in reaction to stimuli within their environment allows for optimal management strategies.

Making sense of senses better enables pest management professionals to see the LITE.

- Locate rodents based upon behavior
- Identify the rodent down to species
- Treat rodent activity based upon biology and behavior
- Exclude rodents to prevent re-infestations



Protecting the
urban environment

BIRD FREE AFFECTED BY THE WITHDRAWAL OF THE UK BPR DEROGATION

Bird Free is being temporarily withdrawn from sale in the UK due to the forthcoming expiry of the UK BPR derogation which had allowed the continued sale of Bird Free. Bird Free will be available for sale until 30th October 2016, with a use by date of the 30th April 2017. Meanwhile, it has been confirmed that Killgerm is working with the manufacturer of bird free to endeavour a relaunch later in 2017. Significant time, money and effort are already being invested as part of a plan to obtain BPR authorisation.

www.bird-free.com



UK RODENTICIDE STEWARDSHIP REGIME.

FROM 1 OCTOBER FARMERS, GAMEKEEPERS, PEST CONTROLLERS AND THEIR EMPLOYEES BUYING PROFESSIONAL RODENTICIDE PACKS FOR USE OUTDOORS WILL NEED TO SHOW EITHER AN APPROVED CERTIFICATE OF COMPETENCE OR DOCUMENT CONFIRMING MEMBERSHIP OF AN APPROVED FARM ASSURANCE SCHEME.

Without documentation from that date onwards, all sellers including those online are prohibited from completing the sale under the conditions of the UK Rodenticide Stewardship Regime. During September, remaining stocks with pre-stewardship labels can still be sold.

These are being replaced by stewardship-authorized rodenticides, which carry legally-binding requirements from HSE specifying user certification and compliance with product label conditions of use.

For further information go to:
www.pestcontrolnews.com & www.thinkwildlife.org



AF ATOM UPGRADE AND CABLE TIES

The ever popular AF Atom rat box has been updated with improvements to its functionality, making it even more adaptable for pest controllers.

A new optional inspection slot now features in the lid of the box. This enables pest controllers to see at a glance if the trap has been triggered making inspections quicker and easier. The slot can be easily cut out of the lid following the impressed moulding with a sharp knife. Additional brightly coloured cables ties can be purchased which makes identification of triggered traps easier to detect from a distance.

www.killgerm.com



LODI UK INTRODUCES THE NEW PHOBI F&F ONE SHOT AUTOMATIC RELEASE AEROSOL

Formulated with the renowned and proven actives of the Phobi range, Lodi are proud to introduce the Phobi F&F One Shot. It is faster and more effective than any comparable product before, 100% efficacy against flies within 3 minutes and 100% efficacy against German cockroaches in 5 minutes. It has increased strength, speed of control and large application area of 375 cubic metres. For use in all indoor situations against flying and crawling insects; simply press and twist the nozzle to release and all pests will be controlled within minutes.

www.lodi-uk.com



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New Products

PROTECTA EVO EXPRESS (WEIGHTED)

Constructed from impact-resistant, injection-moulded plastic, the Protecta Evo Express comes pre-installed with a custom moulded brick for a secure station with a professional appearance. Uses the popular Evo key that is used across many of the Protecta range boxes, allowing quick and easy servicing. Can be used with both bait and snap traps, and the ramped entry allows the bait to stay dry in water-prone areas.

www.belllabs.com



MAGNETIC SNAP TRAP BASE



The Magnetic Snap Trap base is a magnetic base that locks snap traps to metal surfaces such as beams, pipes and stanchions. The base provides pest professionals with a fast and secure way to mount traps in challenging positions. Slide the trap into the base and under the tabs, set the trap and it is ready to use.

www.killgerm.com

ALPHABAN SUPER



Alphaban Super is a reliable, cost effective control option for routine treatment of flying and crawling insects. Alphaban Super is a multi-action insecticide formulated as an oil in water emulsion (EW). The oil in water formulation allows for a homogeneous distribution of the active material through the tank, ensuring that AI levels remain constant from first to last application.

www.pelgar.co.uk

PCN



The Lance Lab AR 8 is a new 8m adjustable telescopic dusting lance, powered by CO₂ mini cartridges. On average one 16g CO₂ cartridge will be sufficient for 8 – 10 wasp nest treatments. The lance is fitted with a flexible nozzle which can be bent into the required shape and a specially designed powder scoop is provided for safe filling and operator exposure protection. To mark the launch of this useful piece of kit, PCN covers maintenance aspects of the AR 8.

**PRODUCT CARE ADVICE: AR 8
ADJUSTABLE TELESCOPIC LANCE**
Storage places to avoid:

Areas subjected to rain, high humidity or dirty environments.

In direct sunlight, or places of extreme heat such as a closed car on a hot summers day or extremely cold environments.

Places which experience strong vibrations.

Moisture will cause clogging of dust that can cause a blockage. Store your lance in dry conditions, with an empty powder chamber.

CARING FOR YOUR AR 8:

Use a soft brush or soft, dry cloth to remove dust from the lance, hose and carry case.

Do not scratch hard objects against the lance.

The product should be cleaned with a soft, dry cloth only. Do not use volatile substances or cleaning products as these can cause damage.

*** REPLACING A DAMAGED POLE SECTION:**

When ordering a replacement pole section, they are referenced (AR8-01 to AR38-07), with section 1 (AR8-01) being the handle (thickest) and section 7 (AR38-07) being the top section connecting to the powder chamber.

1. Using a sharp blade or knife, cut the end of the main hose kit approximately 10cm from the end of the trigger connection valve.
2. Remove the main tubing by pulling through the lance. (KEEP FOR REUSE). (KEEP BOTH PARTS ONCE CUT FOR REUSE).

If replacing sections 1, 2, 3, or 4 (AR8-01 - AR8-04) please skip steps 4 and 7. But proceed as normal with steps 5, 6 and 8.

If replacing section 5, 6 or 7 (AR8-05, AR38-06, AR38-07) then please proceed to step 4.

Note: Replacement Sections 5, 6 and 7 come with a new plastic threaded powder chamber connector and rubber gasket.

3. Pull the rubber end foot off the lance.
4. To replace the sections 5, 6 or 7, cut off the plastic threaded powder chamber connector from top section 7 (AR38-07) using a sharp blade or hacksaw.
5. Remove the damaged section from the lance.
6. Insert the new section by sliding it back into the lance.
7. Refit using the new plastic threaded connector and rubber gasket to section 7 (AR38-07). We recommend applying a standard type super glue when refitting the plastic threaded powder chamber connector.
8. Put the hose kit back through the lance.
9. Now take the end of the main hose kit (cut earlier) and push the new push fit connector on. Take the 10cm part (cut earlier) with the trigger connection valve and push it to the other side of the replacement push fit connector.
10. Refit the rubber end foot to the lance.

For detailed videos on the maintenance process see: www.lancelab.com



Kit Maintenance

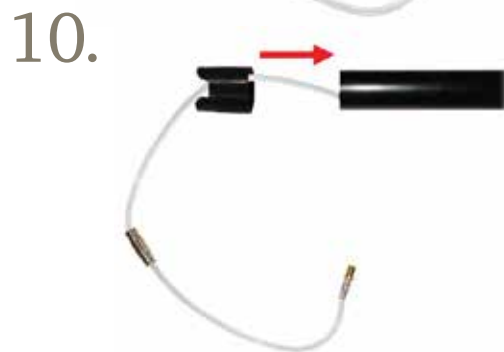
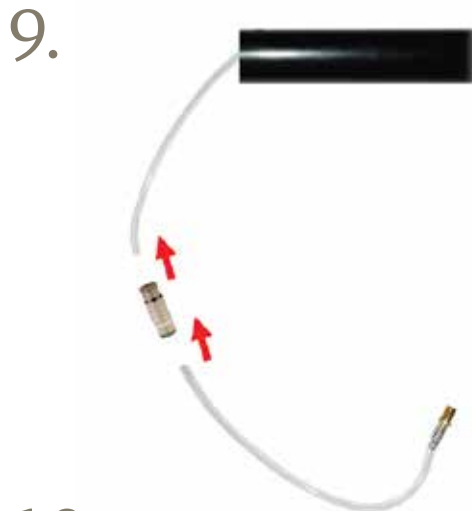
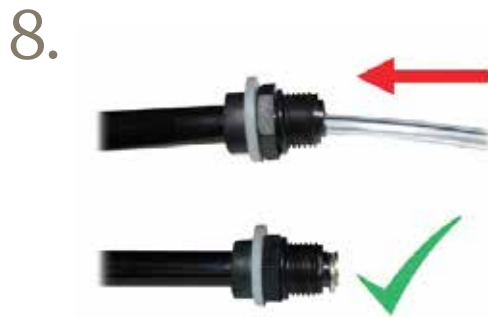
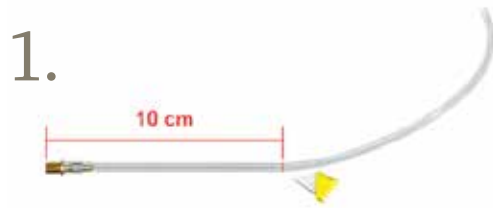
AR8

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* Damaged pole section:



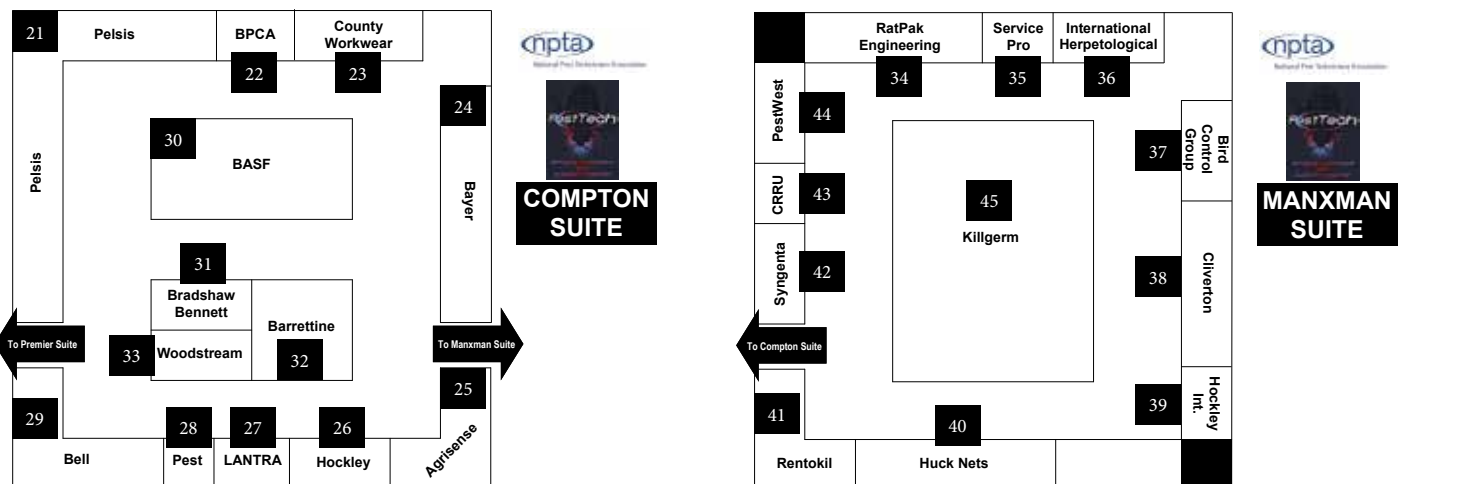
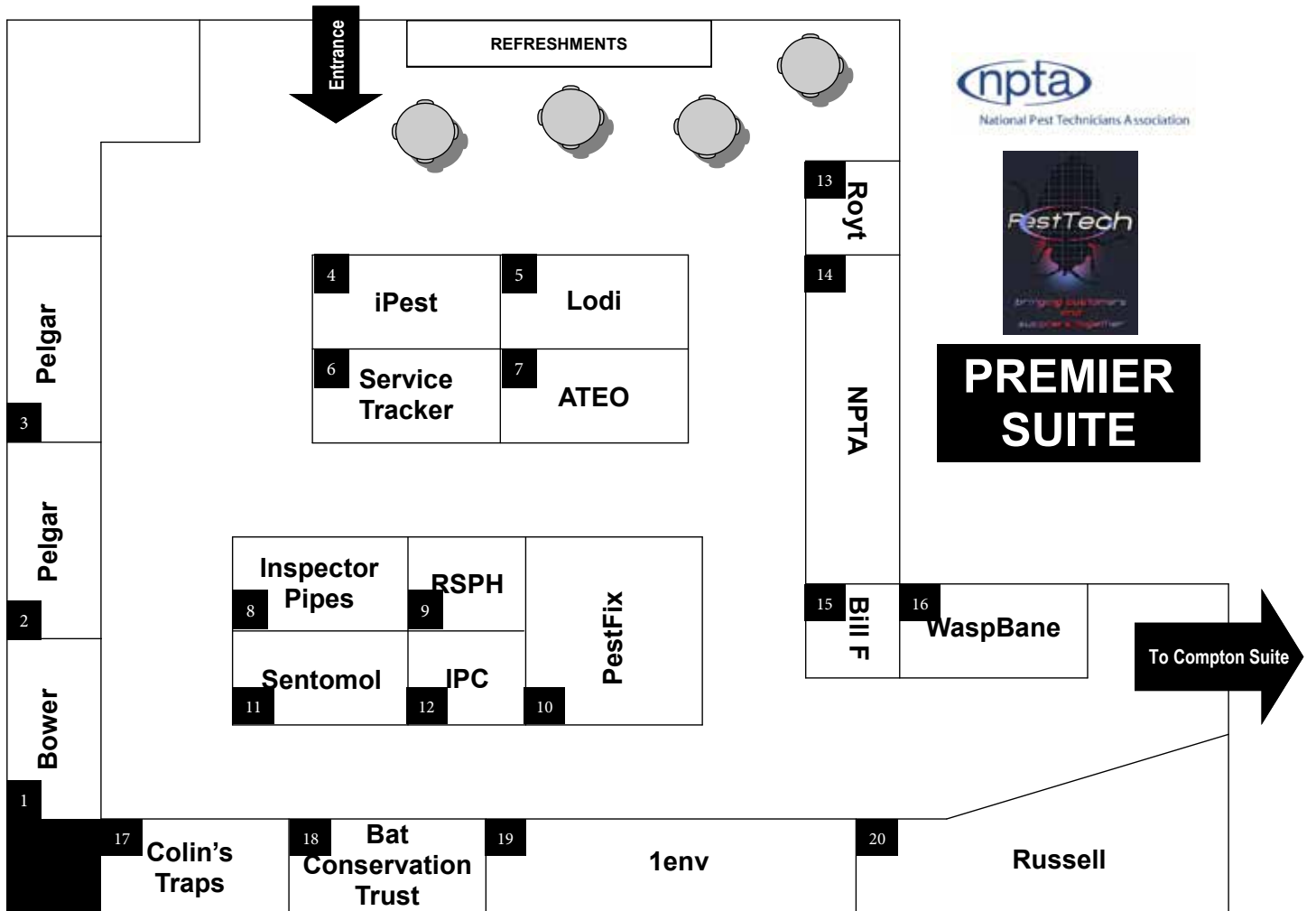


PestTech 2016

THE ANNUAL EXHIBITION AND CONFERENCE HELD BY THE NPTA.

With an exhibition consisting of over 50 exhibitors, a series of seminars on interesting and informative topics as well as practical demonstrations, PestTech is the event that shouldn't be missed.

Wednesday 2nd November 2016 at the National Motorcycle Museum, Birmingham. 9am until 4pm, free to enter, free to park.



PestTech 2016

STAND NUMBER	COMPANY
PREMIER SUITE	
1	Bower
2	Pelgar
3	Pelgar
4	iPEST
5	Lodi
6	Service Tracker
7	ATEO
8	Inspector Pipes
9	RSPH
10	PestFix
11	Sentomol
12	IPC
13	ROYT
14	NPTA
15	Bill F
16	WaspBane
17	Colins Traps
18	Bat Conservation Trust
19	1env
20	Russell
COMPTON SUITE	
21	Pelsis
22	BPCA
23	County Workwear
24	Bayer
25	Agrisense
26	Hockley
27	LANTRA
28	Pest
29	Bell
30	BASF
31	Bradshaw Bennett
32	Barrettine
33	Woodstream
MANXMAN SUITE	
34	RatPak Engineering
35	Service Pro
36	International Herpetological
37	Bird Control Group
38	Cilverton
39	Hockley International
40	Huck Nets
41	Rentokill
42	Syngenta
43	CRRU
44	PestWest
45	Killgerm

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Amy Kelly of Brian Kelly Environmental Services

Trapping

John Bryan, Fourteenacre

Pest Management Alliance Codes of Practice

Iain Turner, NPTA

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MISSED**

WORKSHOPS

Join us in the Kirkmicheal Suite at **10.30am**, where there will be a presentation on the toxicity changes to rodenticides and how it affects the pest control industry. You will have the opportunity to ask questions and receive guidance to ensure you are ahead of the game.

There will also be an appearance from a member of Public Health England who will discuss the invasive species; the brown dog tick. This workshop is not to be missed and will be jam packed full of current material.

RSPH update on qualifications in the pest control industry

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Hopefully you will all be aware that RSPH offers a number of qualifications for the pest control industry. What you may not be aware of is that RSPH is regulated as an Awarding Organisation by government bodies, namely Ofqual (for England), Qualifications Wales and CCEA (Council for Curriculum, Examinations and Assessment) the Irish Regulator.

As a Regulated Awarding Organisation RSPH has to meet certain conditions set by these Regulators. One of these is that we regularly review our qualifications. Consequently, RSPH has recently completed the review of the following pest management qualifications:

[RSPH Level 2 Award in Pest Management](#)

[RSPH Level 2 Certificate in Pest Management](#)

[RSPH Level 2 Diploma in Pest Management](#)

[RSPH Level 3 Diploma in Pest Management.](#)

These reviews were carried out initially by the Pest Control Education and Training Forum and subsequently completed and signed off by the Sector Advisory Panel in Pest Management for RSPH.

The forum and panel consisted of representatives from BPCA and NPTA, major employers, training providers, small pest control companies and councils.

The review looked at the structure of each of the qualifications (such as the different units making up each qualification, the learning outcomes and assessment criteria), the detailed content and the assessment methods. The number of candidates taking each of the qualifications since the last review and the anticipated number of

future candidates was also examined.

For the Level 2 Award and Level 2 Certificate the review concluded that the qualifications were still appropriate for the industry and that candidate numbers were healthy and likely to remain so. It was agreed that the structure of these qualifications should remain unchanged, but that some updating of the qualification content was necessary. In particular, it was decided that minor modifications previously made to the content to ensure full adherence to the requirements of SGAR stewardship were appropriate and should be retained. Lastly, the list of vertebrates and invertebrates that should be covered in courses leading to the qualification was reviewed, with the result that some pests were removed from the list and others added.

The revised syllabuses for these qualifications can be obtained from the RSPH web-site (<https://www.rsph.org.uk/qualifications/learner/find-a-qualification.html>). RSPH will shortly be carrying out a review of the question bank for these qualifications to ensure that the new content and species list is fully covered and that no questions are asked on pests which are no longer on the list.

The Level 2 Diploma in Pest Management had been developed at the request of Asset Skills, which used to be the Sector Skills Council for pest control. The qualification was requested as an accompaniment to an apprenticeship in pest control. Unfortunately, there has been little interest in apprenticeships in the industry, resulting in no training provider offering the qualification and Asset Skills which awarded the apprenticeship has since closed. It was therefore decided that the Level 2 Diploma in Pest Management should be withdrawn.

The Level 3 Diploma in Pest Management has also had few candidates since it was initially

developed. Discussions with the various panels and with pest control companies suggested that this was mainly due to the large investment in time needed to complete the portfolio of evidence required for assessment. It was therefore decided to withdraw the qualification as it is currently offered and develop a new version with a smaller (but just as rigorous) assessment requirement.

Work on the new Level 3 Pest Management qualification has already started and it is expected that this will be completed and ready for sign-off by the Sector Advisory Panel at its next meeting in October.

The RSPH Level 2 Award in Pest Management and the Level 2 Certificate in Pest Management are both recognised by the Campaign for Responsible Rodenticide Use as qualifications which enable the certificate holder to purchase professional use rodenticides under the terms of the UK rodenticide stewardship regime.

Pest controllers whose work involves mainly rodent control and so do not require a qualification that also covers control of other vertebrate pests and invertebrates may opt for the RSPH Level 2 Award in the Safe Use of Rodenticides. This qualification also enables the certificate holder to purchase rodenticides and, being a shorter qualification, can be achieved in a much shorter timescale than our other qualifications.

Although the review that has just been completed was formal in nature, RSPH can make alterations to our pest management qualifications at any time. We therefore welcome feedback from individuals, companies and training organisations which we can use as evidence to our regulators for making a change to a qualification.



BPCA to Celebrate 75th Anniversary

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Since it's very first meeting at London's Great Eastern Hotel in 1942, BPCA has continued to showcase pest control as a specialised and valuable product, demonstrating the importance of trained and competent practitioners.

Originally established to preserve the nation's food stocks in time of war, and to maintain public health through stewardship of the limited stocks of pyrethrum, the UK's leading pest control association today boasts 650+ members, representing over 3,500 professionals operating within the industry.

Taking place on Wednesday 22nd March at the O2 Arena's Brooklyn Bowl, the largely informal dinner will give attendees the chance to celebrate the last 75 years of BPCA, as well as reflect on challenges facing the sector now and in the future. The 75th anniversary dinner will bring together the pest control sector's key stakeholders to champion the activities of the association, its membership and supporters in a fun and exciting environment.

BPCA President Paul Rodman said,

"BPCA has come a long way since 1942, but we still hold the same virtues today in maintenance and preservation as we did then.

The dinner will be a chance for a number of people involved within the industry to come together in an enjoyable atmosphere, and perhaps talk about what things might be like in the next 75 years."

"It is important to us that we make this celebration accessible to all members of the pest control community, so we have tried to take this into account when sourcing venues

and activities in and around the London area. I encourage all readers of PPC to make an effort to attend, especially colleagues who will be at Pest Ex 2017."

The celebratory 75th anniversary dinner has a maximum capacity of 200 guests, based on round tables of ten. After a semi-formal dinner (including awards), the venue also benefits from being able to facilitate further networking with bowling lanes, bars and lounges all open to dinner attendees to mark the memorable occasion.

Those looking to register interest should contact:

BPCA Events Officer Lauren Day.
01332 225111 or lauren@bpca.org.uk

BPCA's New Advanced Technician in Pest Management (ATPM) assessments to start in September

Formally the Accredited Technician in Pest Control (ATPC), the new Advanced Technician in Pest Management (ATPM) will set a new standard for pest technicians looking to demonstrate a higher level of learning.

As well as benefiting from an updated oral exam format the BPCA Advanced Technician in Pest Management (ATPM) boasts new samples, new drawings and new case studies; designed to capture the practical knowledge, skills and experience of current and prospective senior pest technicians.

Mandy McCarthy Ward, BPCA Training Manager said,

"We are all very excited about the release of the new Advanced Technician in Pest Management. It has been designed in collaboration with some of the Association's key stakeholders in order to deliver a relevant and up-to-date assessment of experienced technicians. Those who progress through the exam will be able to demonstrate to employers and clients that they have the knowledge and skills to take control of any pest issue that arises."

The ATPM exam takes just over 2 hours and comprises of 4 different units; pest identification, health & safety, case study, and a final oral assessment. In line with the existing ATPC, learners must hold an RSPH level 2 in Pest Management or equivalent before taking the new ATPM.

Ahead of the ATPM, BPCA training advise exam candidates to consider taking the associations one-day [Insect Identification and Health & Safety courses](#) prior to the ATPM in order to underpin knowledge in pest identification, site and situational impacts, and be able to effectively compile risk assessments.

The first series of ATPM assessments are scheduled for 19th September and 9th November in Derby and Ireland respectively.

For more information or to book onto the course:

visit bpca.org/training,
email training@bpca.org.uk
call 01332 225113.

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Should you find yourself in an unresolvable dispute with a company and all negotiations have been exhausted, it is likely that your only alternative to progress the dispute is to issue court proceedings. Court proceedings are very much the last redress that should be taken but what happens if the company you are seeking monies from has been liquidated and dissolved, or dissolved through other means?

The significance of dissolution could be fairly critical to you and shouldn't simply mark an end to your claims hopes. You may be pursuing a company for any number of reasons; you may have been injured as a result of a company's negligence; you may have been sold a faulty product by a manufacturer and want to pursue an action for product liability, have a personal injury or you might have instructed a professional to undertake services which have been undertaken negligently. The importance of taking such steps is to engage with the insurer and for the former company's policy to respond – that can only be done by suing a legal entity.

The key to any litigation is always to find the money at the end of the day. So firstly check company's house and see if a notice of dissolution is there. You would only ever need to restore a company to the register if you

were contemplating issuing court proceedings against a dissolved company. If the company you have an ongoing dispute with is active, the restoration process need not be complied with. Whilst looking at company's house it would be advisable to check out the companies list of CCG's and see what financial health they are in. In an ideal world you would take this step before doing any major business with them and if the company looked precarious – insist on personal guarantees or other security. If a company is active and trading it should be appearing as 'active' on Companies House www.gov.uk/government/organisations/companies-house

If you issue court proceedings against a company that is no longer trading and has dissolved – that situation is simple, service will not be effective. The court expects you to be organised and to understand the procedures around issuing court proceedings prior to doing so.

Restoring a company to the register essentially means the company is active again for the purposes of issuing proceedings only. It can be an expensive process but one that cannot be avoided if proceedings need to be issued. You will incur fees when dealing with the Treasury Solicitor and when issuing the application.

If you are going to attempt to restore a company on your own, it's important you are prepared for the age old process that will unfold. It is advisable for a Solicitor to assist you as the intricacies of this procedure should not be underestimated.

The process can take up to four months depending on how quickly the court is able to provide you with a hearing date. You should not issue proceedings until the Registrar of Companies has changed the company status from 'dissolved' to 'active'.

If you are contemplating issuing proceedings at all it is advisable to get legal advice. What is even more advisable is avoiding the process as best you can by mediation but if push comes to shove – making sure you are in the best position possible with your own paperwork such as robust terms and conditions, order forms, delivery notes, diary notes of significant conversations and any variations to what was agreed.

If you have any queries whatsoever on the law, please feel free to contact Giles Ward, Senior Partner at Milners in Leeds by email Giles.Ward@milnerslaw.com or mobile 07789 401 411.

PCN

PEST CONTROL NEWS®

DINNER 2016

74 W 183.84	63 E 151.964	53 I 126.90	88 R (226)	105 D (268)
21 Sc 44.955	3 ie 6.941	7 N 14.007	27 C 58.933	5 E 10.811

Date: 2nd November 2016

Location: Windmill Village Hotel, Coventry
3 course meal, charity raffle and live entertainment

£50 + VAT

Pest Control News® Dinner 2016 is sponsored by



Your guide to the pest control 2016 training dates



Killgerm Training run courses nationwide offering different types of courses for different levels of experience and knowledge. Details of all course dates and locations are available online at www.killgerm.com/pest-control-training-calendar; there is also a full list in the Killgerm catalogue on pages 211-213. For further information or to book your place on a course call 01924 268445 or email training@killgerm.com.

OCT 2016

- 04/10/2016 Insect Control Refresher - Bristol
- 05/10/2016 Bird Control - Theory - Portishead, Bristol
- 05/10/2016 Control of Rural Pests - Practical Trapping Techniques - Northampton
- 05/10/2016 Insect Control Refresher - Ossett
- 05/10/2016 Rodent Control Refresher - Bristol
- 06/10/2016 Bird Control - Practical - Portishead, Bristol
- 06/10/2016 Rodent Control Refresher - Ossett
- 11/10/2016 Insect Control Refresher - Guildford
- 11/10/2016 Safe Use of Aluminium Phosphide for Vertebrate Control - Bretton
- 12/10/2016 Practical Rodent Control on Farms - Pickering
- 12/10/2016 Rodent Control Refresher - Guildford
- 18/10/2016 Bird Control - Theory - Ossett
- 18/10/2016 Insect Workshop 1 - Bedbugs & Fleas - Guildford
- 19/10/2016 Bird Control - Practical - Ossett
- 19/10/2016 Practical Rabbit Control - Pickering
- 20/10/2016 Drainage Course for PCOs - Ossett
- 24/10/2016 - 18/11/2016 RSPH: Level 2 Certificate in Pest Management - Ossett
- 25/10/2016 Killgerm Principles of Rodent Control - Guildford
- 26/10/2016 Practical Mole Trapping - Pickering

NOV 2016

- 01/11/2016 Killgerm Principles of Rodent Control - Bedford
- 09/11/2016 Killgerm Principles of Rodent Control - Ossett
- 09/11/2016 Practical Rodent Control on Farms - Pickering
- 10/11/2016 Insect Control - Ossett
- 10/11/2016 Safe Use of Aluminium Phosphide for Vertebrate Control - Nr Newmarket
- 11/11/2016 Safe Use of Pesticides - Ossett
- 15/11/2016 Insect Control - Bristol
- 16/11/2016 Practical Rabbit Control - Pickering
- 16/11/2016 Safe Use of Pesticides - Bristol
- 22/11/2016 Killgerm Principles of Rodent Control - Bristol
- 22/11/2016 Selling & Marketing for Bird Control - Ossett
- 23/11/2016 Working Safely in Pest Control (IOSH) - Ossett
- 30/11/2016 Practical Mole Trapping - Pickering

To book visit - www.killgerm.com



OCTOBER 2016

- 4th Oct 2016 - RSPH Level 2 Safe Use of Aluminium Phosphide - West Midlands
- 17th Oct 2016 - Rodent Control with less rodenticides - West Midlands
- 18th Oct 2016 - How to make Sales Work - West Midlands
- 27th Oct 2016 - Rodent control - bespoke 1 day - Hampshire

NOVEMBER 2016

- 22nd Nov 2016 - Rodent control - bespoke 1 day - Hampshire
- 23rd - 25th Nov 2016 - RSPH Level 2 Award 3 day - West Midlands
- 25th Nov 2016 - RSPH L2 Exam Only - West Midlands

DECEMBER 2016

- 5th Dec 2016 - How to make Sales Work - Hampshire
- 6th Dec 2016 - Rodent Control with less rodenticides - Hampshire
- 14th Dec 2016 - Rodent control - bespoke 1 day - West Midlands

To book visit www.pesttrain.co.uk



OCT 2016

- Thursday 4th October 2016 RSPH level 2 Award in the safe use of Rodenticides
- Thursday 13th October 2016 The Application of Aluminium Phosphide -Phostoxin or Talunex for Vertebrate Control

NOV 2016

- Thursday 2nd November 2016 RSPH level 2 Award in the safe use of Rodenticides
- Wednesday 23rd November 2016 RSPH Level 2 Award in Pest Management
- RSPH Level 2 Certificate in Pest Management
- Day 1 23rd November 2016
- Day 2 24th November 2016
- Day 3 25th November 2016
- Day 4 30th November 2016
- Day 5 1st December 2016
- Day 6 2nd December 2016
- Day 7 15th December 2016

DEC 2016

- Tuesday 6th December 2016 RSPH level 2 Award in the safe use of Rodenticides
- Tuesday 13th December 2016 The Application of Aluminium Phosphide -Phostoxin or Talunex for Vertebrate Control
- Friday 16th December 2016 RSPH Level 2 Award in Pest Management exam
- RSPH Level 2 Certificate in Pest Management Assessment

To book visit www.pestsolutions.co.uk

Pest Solution Limited, A6 Risby Business Park, Newmarket Road
Risby, Bury St Edmunds, Suffolk IP28 6RD



OCT 2016

- 3rd Oct 2016 - BPCA Certified Field Biologist - Derby
- 4th Oct 2016 - RSPH/BPCA Level 2 Award in Pest Management - Croydon
- 5th Oct 2016 - RSPH Level 2 Award in the Safe Use of Rodenticides - Croydon
- 19th Oct 2016 - RSPH/BPCA Level 2 Award in Pest Management - Scotland
- 19th Oct 2016 - RSPH Level 2 Award in the Safe Use of Rodenticides - Scotland

NOV 2016

- 6th-11th Nov 2016 - General Pest Control Course (Residential) - Northern Ireland
- 7th - Nov 2016 - RSPH/BPCA Level 2 Award in Pest Management - North West
- 7th - Nov 2016 - RSPH Level 2 Award in the Safe Use of Rodenticides - North West
- 15th - Nov 2016 - BPCA Certificate in Bird Management - Derby
- 21st - Nov 2016 - BPCA Accredited Technician in Pest Control - BPCA offices, Derby
- 22nd - Nov 2016 - BPCA Certified Field Biologist - BPCA offices, Derby
- 23rd - Nov 2016 - RSPH/BPCA Level 2 Award in Pest Management - North West
- 29th - Nov 2016 - Practical Insect Control - North West - BPCA offices, Derby

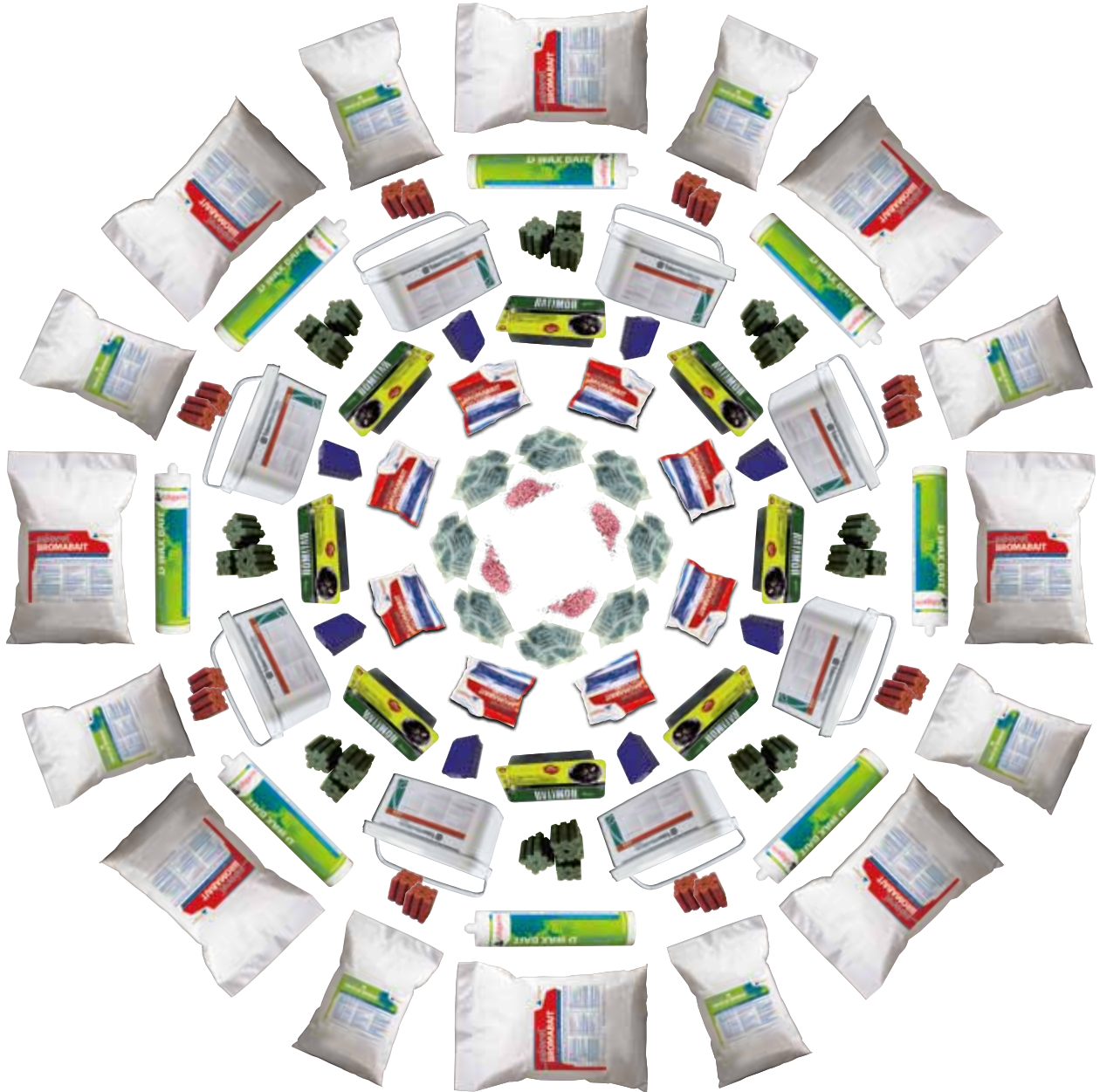
DEC 2016

- 2nd Dec 2016 - BPCA Certified Field Biologist - BPCA offices, Derby
- 6th Dec 2016 - RSPH/BPCA Level 2 Award in Pest Management - South East
- 11th - 16th Dec 2016 - General Pest Control Course (Residential) - Stafford
- 16th Dec 2016 - RSPH/BPCA Level 2 Award in Pest Management - Stafford

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