



**LEVEL 2 AWARD  
IN  
THE SAFE USE OF ALUMINIUM PHOSPHIDE  
FOR VERTEBRATE PEST CONTROL  
(QCF)**

**ASSESSMENT SCHEDULE**

**Version 1**

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## Level 2 Award in the Safe Use of Aluminium Phosphide for Vertebrate Pest Control

### Learner Information

#### Introduction

The scheme will be administered by City & Guilds

City & Guilds will:

- Publish
  - scheme regulations
  - Assessment schedule
  - Assessment material
- Approve centres to co-ordinate and administer the scheme
- Set standards for the training of Verifiers and Assessors
- Recruit, train and deploy Verifiers
- Manage verification
- Issue certificates to successful candidates

#### The qualification

The qualification will be awarded to learners who achieve the required level of competence in the units to which their certificate relates.

#### Instruction

Attendance at a course of instruction is not a pre-requisite for an application for an assessment but potential learners are strongly advised to ensure that they are up to the standards that will be expected of them when they are assessed.

#### Access to Assessment

Assessment centres will be responsible for arranging assessment on behalf of a learner. Assessment may only be carried out by an assessor approved by City & Guilds for that scheme. Under no circumstances can either instructors involved in the preparation of learners, or the learners work place supervisors, or anyone else who might have a vested interest in the outcome, carry out the assessment.

The minimum age limit for learners taking certificates of competence is 16 years. There is no upper age limit.

#### Assessment

Assessment is a process by which it is confirmed that the learner is competent in the units within the award to which the assessment relates. It is a process of collecting evidence about his/her capabilities and judging whether that evidence is sufficient to attribute competence.

The learner must be registered through a City & Guilds approved assessment centre for this qualification prior to assessment.

The result of the assessment will be recorded on the assessment report form.

The schedule of assessment contains the criteria relating to:

- Observation of practical performance
- Assessment of underpinning knowledge

#### Performance Evaluation

At the Assessment the Assessor will evaluate each activity against the following criteria:

Met = Meets or exceeds the assessment criteria by displaying a level of practical performance and/or underpinning knowledge. (Competent).

Not Met = Does not satisfy the requirements of the assessment criteria, being unable to perform the practical task satisfactorily or safely or being deficient in underpinning knowledge. (Not yet competent).

A list of registered assessment centres is available from City & Guilds. ([www.nptc.org.uk](http://www.nptc.org.uk))

#### Verification

Verification is a process of monitoring assessment; it is an essential check to confirm that the assessment procedures are being carried out in the way that City & Guilds has laid down. The overall aim of verification is to establish a system of quality assurance that is acceptable in terms of both credibility and cost effectiveness.

Approved assessors will be subject to a regular visit by the verifier at a time when assessments are being undertaken.

A selection of assessment reports completed by the assessor will be evaluated by a City & Guilds approved verifier.

Compliance with the verification requirements is a pre-requisite for Assessors remaining on the list of approved assessors.

### Complaints and Appeals

City & Guilds and its assessment centres have a formal Complaints and Appeals procedure. In the event of a any dissatisfaction with the arrangements and conditions of assessment, the candidate should first contact the assessment centre through whom the assessment was arranged and submit the complaint in writing.

For further information on City & Guilds Equal Opportunities Policy and Complaints and Appeals Procedures, please refer to [www.nptc.org.uk](http://www.nptc.org.uk)

### Guidance Notes for Learners and assessors

The assessment is divided in to 2 compulsory units:

1. Principles of the safe use of aluminium phosphide
2. Practices of the safe use of aluminium phosphide

Candidates are required to successfully complete all assessment activities in Units 1& 2.

### Safe Practice

#### Appropriate Personal Protective Equipment must be worn at all times.

All equipment must be operated in such a way that the learner, assessor, other persons, or other equipment are not endangered.

Clean product labels and/or Manufacturer's instruction must be available, appropriate to the background of the learner.

Failure to operate safely and comply with these requirements will result in the learner not meeting the required standard.

Warning signs stating that pest control is in progress should be available

The assessor may stop the assessment on the grounds of safety at any time at his/her discretion.

The assessor must ensure that a site specific risk assessment is carried out

### Validation of Equipment

A manufacturer's instruction book or other operator's manual should be available for any equipment used, plus a product label relating to the poisons being used.

Any equipment being used for this assessment (if appropriate) must comply with the relevant requirements of the Provision and Use of Work Equipment Regulations (PUWER) 1998.

Any appropriate item of vertebrate pest control equipment complying with legal requirements is acceptable for the assessment, provided it is suitably equipped for **all** assessment activities of the relevant unit to be carried out.

### Additional Information

May be sought from the relevant manufacturers' operator manuals or any other appropriate training or safety publication.

Questions should be related to the background or employment aspirations of the learner and, where possible, product labels used should be representative of products typically used in that sector of industry.

Before any assessments take place assessor & learner to be aware of any local or national issues to prevent breaches of security, safety and any cross contamination or damage to the local environment.

**In the interests of safety, realistic simulated pest control products should be used**

# SAFE USE OF ALUMINIUM PHOSPHIDE FOR VERTEBRATE CONTROL

## UNIT 1

Unit 1: Understand the Principles of the Safe Use of Aluminium Phosphide	
Responsibilities under legislation	
Assessment Activities	Assessment Criteria
<p>1. Demonstrate knowledge of responsibilities of employers and employees under the Health and Safety at Work etc Act 1974 and Management of Health and Safety at Work Regulations 1999 (includes self employed).</p>	<p>Employer's responsibilities:</p> <ul style="list-style-type: none"> <li>- Safe working environment.</li> <li>- Safe equipment.</li> <li>- Safe system of working.</li> <li>- Information, instruction, training and supervision of staff.</li> </ul> <p>Employee's responsibilities:</p> <ul style="list-style-type: none"> <li>- Take reasonable care of him/herself.</li> <li>- Take care of others.</li> <li>- Co-operate with the employer.</li> <li>- Follow employer's requirements.</li> </ul>
<p>2. Demonstrate knowledge of individual responsibilities under COSHH (includes self employed).</p> <p>Candidate to identify hazards, assess risks, and state control measures required in the COSHH assessment for using Aluminium Phosphide.</p>	<p>Employer's responsibilities:</p> <ul style="list-style-type: none"> <li>- Identification of hazards.</li> <li>- Assessment of the risk(s) to employees and any other people likely to be affected.</li> <li>- Implementing control measure(s) as necessary.</li> </ul> <p>Employee's responsibilities:</p> <ul style="list-style-type: none"> <li>- Use control measure(s) provided.</li> <li>- Make visual checks at appropriate intervals to ensure control measures are working.</li> <li>- Use personal protective equipment (PPE) and respiratory protective equipment (RPE).</li> <li>- Do not smoke, eat or drink when using pesticide products.</li> <li>- Apply the personal hygiene procedures.</li> <li>- Store the PPE/RPE as instructed.</li> <li>- Any defects promptly reported.</li> </ul> <p>COSHH Assessment</p> <p>Identify Hazards.</p> <ul style="list-style-type: none"> <li>- Toxic.</li> <li>- Flammable.</li> <li>- Harmful.</li> </ul> <p>Assess Risks</p> <ul style="list-style-type: none"> <li>- Phosphine gas causing unconsciousness or death.</li> <li>- Inhalation.</li> <li>- Ingestion.</li> <li>- Spontaneous combustion.</li> <li>- Activated in damp or wet situations.</li> </ul> <p>Control Measures</p> <ul style="list-style-type: none"> <li>- Keep in original container until ready to apply.</li> <li>- Follow COSHH/Risk assessment.</li> <li>- Do not use in damp/wet conditions.</li> <li>- Use all product contents at application.</li> <li>- Do not retain part full containers.</li> <li>- Ensure lone working procedures are in place.</li> <li>- Ensure that radio phone contact has been established with landowner.</li> <li>- Ensure that emergency procedures are in place.</li> <li>- Avoid risks to third parties by using exclusion zones, warning signs.</li> <li>- Treated area to be monitored after application.</li> </ul>

Assessment activities	Assessment criteria:
<p>3. Demonstrate knowledge of the statutory requirements and industry best practice that control the use of vertebrate/ invertebrate pest control products arising from:</p> <ul style="list-style-type: none"> <li>• Part III The Food and Environment Protection Act 1985</li>   <li>• The Plant Protection Products Regulations 2005</li> <li>• The Control of Pesticides Regulations 1986(amended 1997)</li> <li>• The Plant Protection Products (Basic Conditions) Regulations 1997</li>   <li>• Poisons Act 1972</li>             <li>• Best practice</li> </ul>	<p>Part III of the Food and Environment Protection Act 1985 places a duty on all users to:</p> <ul style="list-style-type: none"> <li>- Protect the health of human beings, creatures and plants.</li> <li>- Only use humane methods of pest control.</li> <li>- Safeguard the environment.</li> <li>- Prevent the pollution of water.</li> <li>- Make information available to the public.</li>   <li>- All products must be approved for the intended use.</li> <li>- All statutory conditions of use must be complied with and that users must: <ul style="list-style-type: none"> <li>• Take all reasonable precautions to be taken to protect the health of human beings creatures and the environment</li> <li>• Have had adequate instruction, training and guidance</li> <li>• Achieved City &amp; Guilds qualification where appropriate.</li> </ul> </li> </ul> <p>Poisons Act 1972</p> <ul style="list-style-type: none"> <li>- Seller must identify purchaser.</li> <li>- Purchaser must provide verification if not known to seller.</li> <li>- Signed Order accepted if purchaser cannot collect, detailing: <ul style="list-style-type: none"> <li>A) Name and address of purchaser</li> <li>B) Trade, business or profession</li> <li>C) Total quantity</li> <li>D) Purpose of poison</li> </ul> </li> <li>- Establish purpose for use.</li> <li>- Complete the Poisons book.</li> <li>- Rules for wholesaling.</li>   <li>- Lone working procedures to be in place.</li> <li>- Operation with a buddy system preferred.</li> </ul>

Environment and Wildlife	
Assessment Activity	Assessment Criteria
4. Demonstrate knowledge of responsibilities regarding the Environment and Wildlife considerations (in line with Wildlife & Countryside Act 1981).	<ul style="list-style-type: none"> <li>- Knowledge of which species can be treated legally (under the Wildlife &amp; Countryside Act 1981) and signs of non-target wild species.</li> <li>- Knowledge of how to recognise signs of activity.</li> <li>- Ability to carry out an Environmental Risk Assessment and site survey to determine risks and pest level.</li> <li>- Identify non target species.</li> <li>- Foxes</li> </ul> <p>Principal features of a fox earth. Fox signs, paw prints, hair, droppings, scent. Fox specific habits.</p> <ul style="list-style-type: none"> <li>- Badgers</li> </ul> <p>Badgers Legal position regarding the protection of the badger. Legal position regarding the protection of the badger sett. Principal features of a badger sett. Badger signs, tracks, hair, droppings, scent. Identify badger specific habits.</p> <p>Protected wildlife potentially at risk Other mammals. Birds living in burrows. Amphibians. Reptiles. Identification of protected sites e.g. SSSI</p> <ul style="list-style-type: none"> <li>- SCA's (Special Areas of Conservation).</li> <li>- Awareness of proximity of domestic animals and farm animals.</li> <li>- Specially designated areas.</li> <li>- Wildlife habitat protection.</li> <li>- Reporting of incidents involving wildlife except fish (WIIS) Wildlife Incident Investigation Scheme.</li> <li>- Reporting incidents involving fish to the Environment Agency.</li> <li>- Weather conditions that may affect treatment safety e.g.</li> <li>- Strong winds.</li> <li>- Rain, damp or heavy mist conditions.</li> </ul>
5. Demonstrate knowledge of emergency procedures.	<ul style="list-style-type: none"> <li>- Material safety sheet.</li> <li>- Dealing with spillages, uncontrolled or unplanned gas release and surplus product.</li> <li>- Dealing with non target species poisoning.</li> <li>- Other emergency details contained in risk assessment.</li> <li>- Discuss medical treatment with medical care provider.</li> <li>- Approximate timescales for emergency services to reach casualty.</li> <li>- Mobile phone reception and use of 112 in preference to 999 for emergency contact.</li> <li>- The possibility of CB radio provision together with location maps with grid references for all treatment sites should be provided.</li> <li>- Lists of hospitals capable of dealing with acute phosphine poisoning may be useful– contact details of emergency services, local emergency departments, buddy system for operatives.</li> <li>- Safety notices, exclusion criteria.</li> <li>-</li> </ul>
6. Demonstrate knowledge of natural population control mechanisms of the species.	<ul style="list-style-type: none"> <li>- Life expectancy.</li> <li>- Common diseases.</li> <li>- Natural predators.</li> <li>- Species competition.</li> <li>- Impact of weather conditions/ season.</li> </ul>
7. Demonstrate knowledge of the main types of preventative management.	<ul style="list-style-type: none"> <li>- Exclusion barriers.</li> <li>- Closed containment or removal of potential food sources.</li> <li>- Habitat/environment changes.</li> <li>- Use of repellents.</li> <li>- NB it is widely recognised that preventative management is not effective for moles.</li> </ul>
8. Demonstrate knowledge of alternative methods of population control.	<ul style="list-style-type: none"> <li>- Shooting.</li> <li>- Snaring/Trapping.</li> <li>- Poison.</li> <li>- Predation.</li> <li>- Ultrasound.</li> </ul>

<b>Interpreting product label</b>	
<b>Assessment Activity</b>	<b>Assessment Criteria</b>
9. Demonstrate knowledge of the product label.	<ul style="list-style-type: none"> <li>- Statutory status of the label, importance of statutory area (statutory box).</li> <li>- Chip 3 box.</li> <li>- Product being used.</li> <li>- Approval number.</li> <li>- Active ingredient.</li> <li>- Approved field of use.</li> <li>- How to deal with left over product.</li> <li>- PPE/RPE recommendations for the use of this product.</li> <li>- Contact details of manufacturer/distributor.</li> <li>- Disposal requirements for packaging.</li> </ul>
<b>Pesticide container, storage and transportation</b>	
10. Demonstrate knowledge of health and safety requirements for storing the product.	<p>Requirements arising from the static and mobile storage guidance laid out in HSE information sheet AIS No. 16 and CS19, the Poisons Act 1972 and Poisons Rules 1982 as amended:</p> <ul style="list-style-type: none"> <li>- Approved warning signs.</li> <li>- Register of storage ownership.</li> <li>- Storage recording system.</li> <li>- Fixed location storage conditions and procedures stored off the floor above a bund in a separate moisture-proof and fire-proof chest, bin or vault fixed to the wall of the store. The container should be marked 'Gassing compound: do not use water' and should be kept locked.</li> <li>- Ensure correct fire fighting equipment in store (powder extinguishers and PPE and RPE that correctly stored).</li> <li>- Precautions and documentation during transport.</li> <li>- <u>Products must be segregated from people during transport.</u></li> </ul>
11. Demonstrate knowledge of container requirements.	<ul style="list-style-type: none"> <li>- Containers must be vapour proof (only break seal when about to use product).</li> <li>- Always wear required RPE/PPE when opening and connecting to applicator.</li> <li>- Always use correct applicator for product.</li> <li>- Never decant product into different container.</li> <li>- Product should always be completely used (part filled containers not acceptable).</li> <li>- Remaining dust should be tapped out of container and applicator at treatment location.</li> <li>- Container always disposed of as Hazardous Waste (recycling not acceptable).</li> <li>- Containers and applicators must be vented at location of treatment prior to transportation to suitable store.</li> </ul>
12. Demonstrate knowledge of transportation requirements.	<ul style="list-style-type: none"> <li>- Approved warning signs.</li> <li>- Transport recording system.</li> <li>- Fixed location storage conditions and procedures.</li> <li>- Precautions and documentation during transport</li> <li>- Phosphine liberating products should not be routinely carried (only required when carrying out a planned treatment).</li> <li>- Should always be stored in vapour proof container separated from cab or in container on external body of vehicle.</li> <li>- Concise records required in case of emergency.</li> <li>- Never carry part used flasks, seal broken on location of treatment and fully dispensed.</li> <li>- Ensure correct safety equipment is in vehicle.</li> </ul>

<b>Personal safety and contamination prevention</b>	
<b>Assessment Activities</b>	<b>Assessment Criteria</b>
13. Demonstrate knowledge of possible routes of contamination – importance of personal hygiene.	<ul style="list-style-type: none"> <li>- Inhalation.</li> <li>- Ingestion and absorption.</li> <li>- No eating, drinking and smoking.</li> <li>- never inhale or swallow any gassing compounds.</li> <li>- PPE and RPE removal, safe storage away from contamination and safe disposal.</li> </ul>
14. Demonstrate knowledge of symptoms of Phosphine poisoning and measures to limit contamination.	<ul style="list-style-type: none"> <li>- Prior to handling be aware of symptoms of phosphine poisoning, e.g. Nausea, vomiting, headache, weakness, faintness, pain in the chest, cough, chest tightness and difficulty in breathing.</li> <li>- Purge with fresh clean air in open area, do not use water to remove contamination.</li> <li>- How deal with possible contamination of 3<sup>rd</sup> parties.</li> <li>- Do not reseal the container allow it to safely vent.</li> <li>- Appropriate method to clear up spillage referring to manufacturer's label.</li> <li>- Identify first aid measures to include: <ul style="list-style-type: none"> <li>• Put casualty in recovery position</li> <li>• Keep airway clear</li> <li>• Call emergency services</li> <li>• Do not perform mouth to mouth resuscitation; use of oxygen or bag and mask required</li> </ul> </li> <li>- Inform Environment Agency and other relevant authorities.</li> </ul>
15. Demonstrate knowledge of suitable PPE and RPE to be used during transportation and treatment..	<p>Suitability/serviceability of Personal Protective Equipment (PPE)</p> <ul style="list-style-type: none"> <li>- Coveralls, gloves and footwear.</li> <li>- Appropriate types of respirator.</li> <li>- Correct RPE Filters and operational life of filters.</li> <li>- Training – face fit testing, regular inspection and recording of RPE inspections, understand how to test air tight seal.</li> <li>- Factors effecting RPE use – facial growth, glasses wearers, use in conjunction with other PPE.</li> <li>- Date of the equipment inspection and particulars of any defect found.</li> <li>- Name and signature of the person carrying out the equipment inspection.</li> <li>- User responsibility for replacement of used cartridges.</li> <li>- CE markings.</li> <li>- Check for holes or tears.</li> <li>- Clean after use.</li> </ul>

<b>Application equipment, excess pesticide and container disposal</b>	
<b>Assessment Activities</b>	<b>Assessment Criteria</b>
16. Demonstrate knowledge of how to fill, use and empty an Applicator.	<ul style="list-style-type: none"> <li>- Implement the risk assessment and control procedures.</li> <li>- Check site prior to operation.</li> <li>- Ensure rabbits/rats/moles are below ground.</li> <li>- Optimum control periods for rabbits/moles.</li> <li>- Load the applicator as per instructions.</li> <li>- Check wind direction prior to opening containers.</li> <li>- Stand sideways on to the wind when handling compounds.</li> <li>- Keep a check on the wind direction during gassing operations.</li> <li>- Never place, or leave, gassing compounds on the ground surface.</li> <li>- Do not carry fumigant in applicator except at treatment location.</li> <li>- Check amount dispensed.</li> <li>- Correct depth of product placement.</li> <li>- Do not use within 3 metres of a building habited by humans or animals.</li> <li>- Ensure effective liaison with the stopper operator.</li> <li>- Ensure all holes covered to prevent gas escape.</li> <li>- Knowledge that gas is present for 24/48 hrs from becoming active.</li> <li>- Very dry conditions are not suitable as they will delay the gas becoming active.</li> <li>- Always ensure applicator free from residues and vent on treatment site prior to transportation on vehicle.</li> </ul>
17. Demonstrate knowledge of excess pesticide.	<ul style="list-style-type: none"> <li>- There should be no excess pesticide when using phosphine releasing products (product should be ordered on a job by job basis).</li> <li>- Residues require safe deactivation and disposal following invertebrate treatment.</li> <li>- If the treatment does not require a full flask another treatment process should be selected in accordance with the COSHH assessment.</li> <li>- If there is any excess pesticide remaining after application it should be buried to a minimum depth of 18 inches at treatment location and safety provisions put in place for 48 hours.</li> <li>- To reseal and re- open a flask, may cause explosion and fumigant will continue to be released.</li> </ul>
18. Demonstrate knowledge of container disposal.	<ul style="list-style-type: none"> <li>- Container must be disposed of as Hazardous Waste.</li> <li>- Disposal via licensed waste disposal contractor with consignment note issued by waste contractor.</li> <li>- Consignment note to be retained by operator company.</li> </ul>
<b>Record keeping</b>	
<b>Assessment Activities</b>	<b>Assessment Criteria</b>
19. Demonstrate knowledge of types of records required for legal and management purposes.	<p>Record keeping</p> <ul style="list-style-type: none"> <li>- Training Records.</li> <li>- Environmental and RISK assessment records.</li> <li>- COSHH assessments.</li> <li>- Control and emergency procedures.</li> <li>- Stock records.</li> <li>- PPE and RPE stock numbers and equipment maintenance checks.</li> <li>- Application Records.</li> </ul>

# SAFE USE OF ALUMINIUM PHOSPHIDE FOR VERTEBRATE CONTROL

## UNIT 2

Unit 2: Carry out the Practices of the Safe Use of Aluminium Phosphide for Vertebrate Pest Control	
Preparation Work	
Assessment Activities	Assessment Criteria
<p>20. Demonstrate knowledge of health and safety requirements for storing and transporting product.. Risk assessment. COSHH. Storage, transport and application of product. Legal requirements, safety regulations and the Poisons Act 1972/ Poisons Rules 1982.</p>	<p>Requirements arising from the static and mobile storage guidance laid out in HSE information sheet AIS No. 22 and GN 251, the Poisons Act 1972 and Poisons Rules 1982 as amended:</p> <ul style="list-style-type: none"> <li>- Use of manufacturers literature/labels</li> <li>- Types of storage and their uses:               <ul style="list-style-type: none"> <li>• Fixed</li> <li>• Mobile</li> </ul> </li> <li>- Lone working procedures and policies must be in place for the use of the product when working alone, e.g. contact systems in place (radio/ phone/ contact with land owner).</li> </ul>
Site Work: Target Species, Reasons for Control and Non Target Species	
<p>21. Demonstrate knowledge of the target species' natural habitat and likely burrow system location.</p> <p>Carry out a site survey to identify the nature and source of infestation on a site.</p>	<p>Answers appropriate to species</p> <ul style="list-style-type: none"> <li>- Describe the natural habitat.</li> <li>- Identify where is most likely to find harbourage of the chosen species.</li> </ul> <p>Answers appropriate to species</p> <ul style="list-style-type: none"> <li>- Position and topography of home.</li> <li>- Number of animals per home.</li> <li>- Proximity to food sources.</li> </ul> <p>Site survey to cover:</p> <ul style="list-style-type: none"> <li>- Previous survey information (if applicable).</li> <li>- Records of previous controls carried out (if available).</li> <li>- Species causing the infestation</li> <li>- Degree of the infestation.</li> <li>- Mark holes, latrine, harbourages etc.</li> </ul>
<p>22. Demonstrate knowledge of the damage caused to a site and its surrounding area that may make control necessary.</p>	<ul style="list-style-type: none"> <li>- Agricultural, horticulture or neighbours crops/stores.</li> <li>- Municipal and amenity land.</li> <li>- Sports ground.</li> <li>- Industrial land.</li> <li>- Trees and shrubs.</li> <li>- Banking, railways, rivers, flood banks.</li> </ul> <p>The degree and extent of infestation identified by damage to:</p> <ul style="list-style-type: none"> <li>- Safety implications.</li> <li>- Reduction in crop values.</li> <li>- Costs related to damage and loss</li> <li>- Costs related to control.</li> <li>- Transmission of disease.</li> </ul>

Assessment Activities	Assessment Criteria
<p>23. Carry out an environmental risk assessment of the application site with specific reference to non target species and people.</p> <p>Evaluate weather conditions and wind direction.</p> <p>Protection of the environment.</p> <p>Demonstrate knowledge of size of area affected by treatment.</p> <p>Identify the 'risk area' for the area treated and implement any precautions which may be necessary to avoid harm to the operator and others.</p>	<p>May include:</p> <ul style="list-style-type: none"> <li>- Ground conditions.</li> <li>- Water courses.</li> <li>- Drains.</li> <li>- Wildlife.</li> <li>- Public access.</li> <li>- Housing.</li> <li>- Factors particular to site.</li> </ul> <ul style="list-style-type: none"> <li>- The impact of wet weather with product.</li> <li>- Wind direction.</li> </ul> <ul style="list-style-type: none"> <li>- Check and maintain application rate.</li> <li>- Use an appropriate pesticide.</li> <li>- Careful timing of application.</li> <li>- Comply with environmental assessment.</li> <li>- Erect warning signs.</li> <li>- Set up exclusion zones.</li> <li>- Monitoring.</li> </ul> <ul style="list-style-type: none"> <li>- Weather conditions.</li> <li>- Burrow system.</li> <li>- Type of soil.</li> <li>- moisture content of soil, access holes.</li> </ul> <p>Risk area is:-</p> <ul style="list-style-type: none"> <li>- The area around the fumigation area into which gas may escape and pose a danger to operators and others- keep a check on wind direction.</li> <li>- If there is any risk to people and non-target animals ensure that precautions against entry to the risk area remain in place until the gassing compound has completed its work and any residues have dispersed.</li> <li>- Phosphine gas is heavier than air and this can cause pockets of gas in low lying ground.</li> </ul>
<b>Site Work: Application</b>	
<p>24. Demonstrate knowledge of product directions for use (product labels, safety data sheets and number of operators required).</p>	<ul style="list-style-type: none"> <li>- Safe number of people required to safely apply fumigant.</li> <li>- The target species on which product can be used.</li> <li>- Specific product precautions.</li> <li>- Appropriate for type of applicator.</li> <li>- Application timing and guidance.</li> <li>- Additional label information.</li> <li>- Precautions.</li> <li>- Approved direction for use.</li> <li>- Application rates.</li> <li>- LD50</li> <li>- Orange warning signs.</li> <li>- R&amp;S Statement.</li> <li>- PPE/RPE.</li> </ul>

Assessment Activities	Assessment Criteria
25. Prepare site before using gassing compounds.	<ul style="list-style-type: none"> <li>- Mark all the holes.</li> <li>- Clear vegetation.</li> <li>- Ensure rabbits/moles/rats are below ground.</li> <li>- Timing of application.</li> <li>- Rabbits are nocturnal so best treated during late morning and afternoon, optimum period for treatment is from October to March.</li> <li>- Moles- ensure that runs are active and that all moles are treated</li> <li>- Use warning signs as required.</li> <li>- Ensure that people not involved with the operation and animals are cleared from the site.</li> </ul>
26. Inspect, fill, use and empty an applicator.	<ul style="list-style-type: none"> <li>Personal Protective Equipment (PPE) <ul style="list-style-type: none"> <li>- Coveralls, gloves and footwear.</li> <li>- Safe storage of PPE and RPE to prevent contamination.</li> </ul> </li> <li>Respiratory Protective Equipment (RPE) <ul style="list-style-type: none"> <li>- Correct type of respirator worn.</li> <li>- Correct filter type available.</li> </ul> </li> <li>Use of Applicator <ul style="list-style-type: none"> <li>- Applicator condition/storage.</li> <li>- Use a systematic method to identify contamination and serviceability:</li> <li>- Ensure correct applicator used with correct product.</li> <li>- Product must be applied with the applicator.</li> <li>- Be aware of and comply with, the safety implications identified in the risk assessment.</li> <li>- Check all equipment is suitably stored in service vehicle to ensure safety of staff.</li> <li>- Comply with the code of practice/label requirement.</li> <li>- Set up the equipment as per manufacturer's instructions.</li> <li>- Load the applicator as per instructions.</li> <li>- Handle the applicator on site safely.</li> <li>- Check wind direction prior to opening container.</li> <li>- Open container out of doors.</li> <li>- Begin work in the part of the fumigation area which is furthest downwind.</li> <li>- Stand sideways-on to the wind when handling compounds.</li> <li>- Seal each burrow or entry point to be as gas-tight as possible.</li> <li>- Keep a check on the wind direction during gassing operations.</li> <li>- Never place or leave, gassing compounds on the ground surface.</li> <li>- Never inhale or swallow any gassing compounds</li> <li>- Check amount dispensed.</li> <li>- Position the product in the holes.</li> <li>- All holes to be stopped.</li> </ul> </li> </ul>
27. Demonstrate knowledge and understanding of product liberation process.	<ul style="list-style-type: none"> <li>- Reacts with moisture (from soil) to produce phosphine gas.</li> <li>- Only to be applied by suitable applicator.</li> <li>- Only to be used outdoors – 3m from buildings habituated by man or animals.</li> <li>- Toxicological information.</li> <li>- Do not use in rain, heavy mist or on waterlogged ground.</li> <li>- Do not use when the ground is very dry.</li> </ul>
28. Demonstrate knowledge of suitable monitoring procedures following any pest control treatments.	<ul style="list-style-type: none"> <li>- Reason for follow-up visit(s).</li> <li>- When to make any follow-up visit(s) to a site/revisit frequency.</li> <li>- Who should carry out the visit(s).</li> <li>- Signs to note regarding efficacy of treatment.</li> <li>- Locate and bury carcasses on site in burrow.</li> <li>- Recording information.</li> <li>- Removal of warning signs.</li> </ul>
29. Emergency procedures Demonstrate knowledge of appropriate response to accidental spillage.	<ul style="list-style-type: none"> <li>- Evacuate area.</li> <li>- Never reseal the container (allow to safely vent).</li> <li>- Appropriate method to clear up spillage referring to manufacturer's label.</li> <li>- Identify first aid measures.</li> <li>- Inform Environment Agency and other relevant authorities.</li> </ul>

Assessment Activities	Assessment Criteria
<p><b>Cleaning and Storage</b></p> <p>30. Demonstrate knowledge of: Cleaning applicator.</p> <p>Procedures for storing applicator and empty containers.</p>	<ul style="list-style-type: none"> <li>- Use an appropriate site for cleaning.</li> <li>- Remove dust residues.</li> <li>- Follow manufacturers' recommendations.</li> <li>- Always use up the fumigant.</li> <li>- Do not reseal the container.</li>   <li>- Ensure correctly vented.</li> <li>- Ensure the applicator is clean and dry.</li> <li>- Inspect for wear or damage.</li> <li>- Store in a secure area.</li> <li>- Store under cover and away from sunlight.</li> </ul>
<p>31. Complete application records.</p> <p>Complete records for legal and management purposes.</p>	<p>Ensure RISK and COSHH assessments recorded and retained</p> <ul style="list-style-type: none"> <li>- Complete treatment report records.</li> <li>- Name of the product(s).</li> <li>- Amount of the product(s) stored.</li> </ul> <p>Application records:</p> <ul style="list-style-type: none"> <li>- Product name.</li> <li>- Who carried out the application and contact number.</li> <li>- When the application took place.</li> <li>- Where the application took place.</li> <li>- How much product was used.</li> <li>- Weather conditions at the time.</li> <li>- Reason the application took place.</li> <li>- Usage and service records required by the COSHH Regulations.</li> </ul> <p>PPE/RPE records</p> <ul style="list-style-type: none"> <li>- Particulars of the equipment sufficient to identify it and the name of the maker.</li> <li>- Face fit tests.</li> <li>- Date of the equipment inspection and particulars of any defect found.</li> <li>- Name and signature of the person carrying out the equipment inspection.</li> <li>- User responsibility for replacement of spent filter cartridges.</li> </ul>