

CITY & GUILDS LEVEL 2 AWARD IN THE SAFE APPLICATION OF PESTICIDES USING PEDESTRIAN HAND HELD EQUIPMENT (PA6) 601/5145/6



QUALIFICATION GUIDANCE

Independently Assessed

Essential Qualification Information

Not to be used by the Candidate during Assessment

You will require some of this information to accurately complete the Record of Assessment (ROA)

| | | |
|------------------------------------|---------------------------|--|
| Qualification Group No | 0 2 1 6 | Pesticides |
| Qualification Programme No | 0 2 1 6 - 5 4 | L2 Award in the Safe Application of Pesticides using Pedestrian Hand Held Equipment (PA6) |
| Unit(s) | 1 5 1 | Operating Pedestrian Hand Held Applicators Fitted with Hydraulic Nozzles or Rotary Atomisers to Apply Pesticides to Land (PA6A) (A/505/7736) |
| | 1 5 2 | Operating Pedestrian Hand Held Applicators fitted with Hydraulic Nozzles or Rotary Atomisers to Apply Pesticides to or Near Water (PA6AW) (F/505/7740) |
| | 1 5 3 | Operating Pedestrian Hand Held Applicators to apply Pesticide Pellets or Granules to Land (PA6G) (R/505/7743) |
| | 1 5 4 | Operating Pedestrian Hand Held Applicators to Apply Pesticide Pellets or Granules to or Near Water (PA6GW) (D/505/7745) |
| | 1 5 5 | Installing Pesticide Plugs in Tree Stumps (PA6PP) (K/505/7747) |
| | 1 5 6 | Operating Hand held Pesticide Injection Equipment (PA6INJ) (M/505/7748) |
| | 1 5 7 | Operating other Hand Held Applicators Requiring Minimal Calibration (PA6MC) (K/505/7750) |
| Guided Learning Hours (GLH) | 1 5 1 | GLH 28 (Credit Value 3) |
| | 1 5 2 | GLH 28 (Credit Value 3) |
| | 1 5 3 | GLH 28 (Credit Value 3) |
| | 1 5 4 | GLH 28 (Credit Value 3) |
| | 1 5 5 | GLH 28 (Credit Value 3) |
| | 1 5 6 | GLH 28 (Credit Value 3) |
| | 1 5 7 | GLH 28 (Credit Value 3) |

**Total
Qualification
Time (TQT)**

Minimum 30 Hours

**Recommended
Assessment
Duration**

1.5 – 3 hours per Candidate

**Pre-Requisite
Units**

| | | |
|---|---|---|
| 1 | 0 | 1 |
|---|---|---|

Principles of Safe Handling and Application of Pesticides (PA1)

| Version and date | Change detail | Section |
|-------------------------|--|--|
| 3.1 November 2017 | Added TQT details Deleted QCF / Learning Time | Qualification at a glance, Structure Throughout |

City & Guilds Level 2 Award in the Safe Application of Pesticides using Pedestrian Hand Held Equipment (PA6) Qualification Guidance

Introduction

The scheme will be administered by City & Guilds

City & Guilds will:

- Publish
 - Scheme regulations
 - Qualification guidance
 - Training material
 - Trainers support 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 Candidates who achieve the required level of competence in the units to which their Certificate relates.

Training

The Code of Practice for Using Plant Protection Products states "By Law everyone who uses pesticides professionally must have received adequate training in using pesticides safely". Candidates are strongly advised to ensure that they will be able to meet the standards required in the assessment.

Total Qualification Time

Total Qualification Time (TQT) is the total amount of time, in hours, expected to be spent by a Learner to achieve a qualification. It includes both guided learning hours (which are listed separately) and hours spent in preparation, study and assessment.

Access to Assessment

Assessment Centres will be responsible for arranging the assessment on behalf of the Candidate.

The minimum age limit for Candidates taking Certificates of Competence is 16 years. There is no upper age limit.

The assessment consists of **seven** optional units:

| | | | |
|-------------------------|--|----------------------|-------------------------------|
| Unit 151 (PA6A) | (Optional) | (Credit Value 3) | (Print pages 7 – 11 plus 39) |
| Outcome 1. | Know the legislative and safety regulations relating to applicator use | (Criteria 1.1 – 1.2) | |
| Outcome 2. | Be able to assess the environmental factors relating to mixing and application | (Criteria 2.1 – 2.2) | |
| Outcome 3. | Be able to read and interpret product information | (Criteria 3.1 – 3.2) | |
| Outcome 4. | Be able to prepare and calibrate a hand held pedestrian applicator | (Criteria 4.1 – 4.6) | |
| Outcome 5. | Be able to operate the application equipment | (Criteria 5.1 – 5.4) | |
| Outcome 6. | Know how to carry out post-operational procedures | (Criteria 6.1 – 6.3) | |
| Unit 152 (PA6AW) | (Optional) | (Credit Value 3) | (Print pages 12 – 17 plus 39) |
| Outcome 1. | Know the legislative and safety regulations relating to applicator use | (Criteria 1.1 – 1.2) | |
| Outcome 2. | Be able to assess the environmental factors relating to mixing and application | (Criteria 2.1 – 2.2) | |
| Outcome 3. | Be able to read and interpret product information | (Criteria 3.1 – 3.2) | |
| Outcome 4. | Be able to prepare and calibrate a hand held pedestrian applicator | (Criteria 4.1 – 4.6) | |
| Outcome 5. | Be able to operate the application equipment | (Criteria 5.1 – 5.4) | |
| Outcome 6. | Know how to carry out post-operational procedures | (Criteria 6.1 – 6.3) | |
| Unit 153 (PA6G) | (Optional) | (Credit Value 3) | (Print pages 18 – 21 plus 39) |
| Outcome 1. | Know the legislative and safety regulations relating to applicator use | (Criteria 1.1 – 1.2) | |
| Outcome 2. | Be able to assess the environmental factors relating to the application site | (Criteria 2.1 – 2.2) | |
| Outcome 3. | Be able to read and interpret product information | (Criteria 3.1 – 3.2) | |
| Outcome 4. | Be able to prepare and calibrate a hand held pedestrian applicator | (Criteria 4.1 – 4.6) | |
| Outcome 5. | Be able to operate the applicator | (Criteria 5.1 – 5.4) | |
| Outcome 6. | Know how to carry out post-operational procedures | (Criteria 6.1 – 6.3) | |
| Unit 154 (PA6GW) | (Optional) | (Credit Value 3) | (Print pages 22 – 26 plus 39) |
| Outcome 1. | Know the legislative and safety regulations relating to applicator use | (Criteria 1.1 – 1.2) | |
| Outcome 2. | Be able to assess the environmental factors relating to the application site | (Criteria 2.1 – 2.2) | |
| Outcome 3. | Be able to read and interpret product information | (Criteria 3.1 – 3.2) | |
| Outcome 4. | Be able to prepare and calibrate a hand held pedestrian applicator | (Criteria 4.1 – 4.6) | |
| Outcome 5. | Be able to operate the applicator | (Criteria 5.1 – 5.4) | |
| Outcome 6. | Know how to carry out post-operational procedures | (Criteria 6.1 – 6.3) | |

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| Unit 155 (PA6PP) | (Optional) | (Credit Value 3) | (Print pages 27 – 29 plus 39) |
| Outcome 1. | Know the legislative and safety regulations relating to pesticide plug installation (Criteria 1.1 – 1.2) | | |
| Outcome 2. | Be able to assess the environmental factors relating to the installation site (Criteria 2.1 – 2.2) | | |
| Outcome 3. | Be able to read and interpret product information (Criteria 3.1 – 3.2) | | |
| Outcome 4. | Be able to prepare pesticide plug application equipment and calculate numbers of plugs required (Criteria 4.1 – 4.3) | | |
| Outcome 5. | Be able to install pesticide plugs (Criteria 5.1 – 5.3) | | |
| Outcome 6. | Know how to carry out post-operational procedures (Criteria 6.1 – 6.3) | | |
| Unit 156 (PA6INJ) | (Optional) | (Credit Value 3) | (Print pages 30 – 33 plus 39) |
| Outcome 1. | Know the legislative and safety regulations relating to pesticide injection equipment (Criteria 1.1 – 1.2) | | |
| Outcome 2. | Be able to assess the environmental factors relating to the site (Criteria 2.1 – 2.2) | | |
| Outcome 3. | Be able to read and interpret product information (Criteria 3.1 – 3.2) | | |
| Outcome 4. | Be able to prepare and calibrate the pesticide injection equipment (Criteria 4.1 – 4.4) | | |
| Outcome 5. | Be able to inject pesticide (Criteria 5.1 – 5.4) | | |
| Outcome 6. | Know how to carry out post-operational procedures (Criteria 6.1 – 6.3) | | |
| Unit 157 (PA6MC) | (Optional) | (Credit Value 3) | (Print pages 34 – 39) |
| Outcome 1. | Know the legislative and safety regulations relating to applicator use (Criteria 1.1 – 1.2) | | |
| Outcome 2. | Be able to assess the environmental factors relating to the site (Criteria 2.1 – 2.2) | | |
| Outcome 3. | Be able to read and interpret product information (Criteria 3.1 – 3.2) | | |
| Outcome 4. | Be able to prepare and calibrate a hand held applicator (Criteria 4.1 – 4.5) | | |
| Outcome 5. | Be able to operate the application equipment (Criteria 5.1 – 5.4) | | |
| Outcome 6. | Know how to carry out post-operational procedures (Criteria 6.1 – 6.3) | | |

Candidates must successfully achieve **all** assessment activities in their chosen unit(s).

There are no endorsements for this Award.

Quality Assurance

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 City & Guilds has specified. 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 a Verifier at a time when assessments are being undertaken.

Documents completed by the Assessor may be inspected by a Centre appointed Internal Verifier and a City & Guilds approved Verifier at any time.

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

After assessment has been completed the Qualification Guidance is to be retained by the Assessor for 12 months and is to be made available for inspection by a Centre appointed Internal Verifier, a City & Guilds approved Verifier or when a centre visit takes place by a Quality Systems Consultant (QSC).

Performance Evaluation

The result of each assessment activity is evaluated against the following criteria:

M = Met Meets or exceeds the assessment criteria by displaying a level of practical performance and/or underpinning knowledge. If the Criterion has been MET, a tick is to be put in the box provided in the bottom right-hand column of each section.

NM = Not Met Does not satisfy the requirements of the assessment criteria, being unable to perform the practical task satisfactorily or safely or having insufficient underpinning knowledge. If the Criterion is NOT MET, a cross is to be put in the box provided in the bottom right-hand column of each section.

Appeals and Equal Opportunities

Centres must have their own auditable, appeals procedures. If a Candidate is not satisfied with the examination conditions or a Candidate feels the opportunity for examination is being denied, the Centre Manager should, in the first instance, address the problem. If, however the problem cannot be resolved, City & Guilds will arbitrate and a Principal Verifier may be approached to offer independent advice. All appeals must be clearly documented by the Centre Manager and made available to the Principal Verifier or City & Guilds if advice is required.

Should occasions arise when Centres are not satisfied with any aspect of the verification process, they should contact the Quality Assurance Manager at City & Guilds NPTC, Building 500, Abbey Park, Stareton, Warwickshire, CV8 2LY. Telephone 024 7685 7300

Access to the qualification is open to all, irrespective of gender, race, creed or special needs. Subject to H&S restrictions the Centre Manager should ensure that no learner is subjected to unfair discrimination on any grounds in relation to access to assessment and to the fairness of the assessment. QCA requires City & Guilds to monitor centres to check whether equal opportunities policies are being adhered to.

Validation of Equipment

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

Vehicles must comply with Department of Transport and Road Traffic Acts where relevant.

Any machinery/equipment complying with current legal requirements is acceptable for the assessment, provided it is suitably equipped for **all** assessment activities to be carried out.

| Summary of responsibilities in the assessment process | | |
|---|--|--|
| Centre responsibilities | Candidate responsibilities | Assessor responsibilities |
| A suitable site is made available for the assessment to take place | | Ensuring that the site provided is suitable for the assessment to take place |
| Machinery, equipment and materials are available to enable assessment of all the activities to take place | To be familiar with the machinery/equipment being used for the assessment | Ensuring that the machinery, equipment and materials provided satisfy the assessment requirements |
| | To bring appropriate Personal Protective Equipment (PPE) to the assessment | Ensuring that candidate's PPE complies with the requirements of the assessment |
| | To bring relevant training materials (including calibration sheet if applicable) | |
| | To bring a product label appropriate for the assessment | To ensure that the product label is appropriate for the assessment (or provide a suitable alternative) |

Safe Practice

The Assessor and Candidate must wear Personal Protective Equipment (PPE) when appropriate.

The Assessor must ensure that a Site Specific Risk Assessment is carried out.

All equipment must be operated in such a way that the Candidate, Assessor, other persons and the environment are not endangered. Failure to operate safely and comply with these requirements will result in the Candidate not meeting the required standard.

A breach of Health and Safety that puts any person at risk during the assessment process will result in the assessment being terminated and the Candidate not meeting the required standard. The Assessor may stop the assessment on the grounds of safety at any time at their discretion.

Before any assessments take place, Assessor & Candidate should be aware of any local or national issues to prevent breach of security, safety and any cross contamination or damage to the local environment.

Information

During the assessment the candidate may refer to operator manuals, training materials or safety publications, but they **may not** refer to the Qualification Guidance Document.

Questions should be related to the background or employment aspirations of the candidate.

Candidates who undertake this assessment and have met the requirements are reminded of their legal obligation to receive/undertake appropriate additional training in the use of any equipment that differs from that used during the assessment, but which they are nevertheless qualified to use.

Assessment Guidance for the Assessor

This qualification can only be assessed by an Assessor who is suitably qualified and meets the requirements of the awarding body. The Assessor must be independent **and cannot have been involved with the training of the Candidate**. Please see City & Guilds Centre Manual for guidance.

The Candidate is to be notified of the place and time of assessment and when formal assessment commences and ceases.

Assessors are reminded that assessment is a formal process and that assessment must be carried out using this Qualification Guidance. All relevant assessment criteria must be assessed as specified in the Qualification Guidance. Assessment will be carried out by direct observation and by oral questioning of the Candidate. **Where a specific number of responses are required these may include other suitable answers not specified if they are deemed to be correct by the Assessor.** The performance of the Candidate is to be recorded on the Qualification Guidance as directed by completing the tick boxes. Space has been provided on the Qualification Guidance for the person assessing to record relevant information which can be utilised to provide feedback to the Candidate. After assessment has been completed the Qualification Guidance document is to be retained by the assessor and provided if required.

Assessment Guidance for the Candidate

A list of registered Assessment Centres is available from City & Guilds NPTC. (www.nptc.org.uk)

Assessment is a process by which it is confirmed that the candidate is competent in the unit(s) within the award to which the assessment relates. It is the process of collecting evidence about the candidate's capabilities and judging whether that evidence is sufficient to attribute competence.

The Candidate must be registered through the City & Guilds approved Assessment Centre for this qualification prior to the assessment.

The results of the assessment will be recorded on the Record of Assessment form (ROA).

The Qualification Guidance contains criteria relating to:

- Observation of practical performance
- Assessment of underpinning knowledge

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City & Guilds is a registered charity established to promote education and training

Unit 151 - Operating Pedestrian Hand Held Applicators fitted with Hydraulic Nozzles or Rotary Atomisers to Apply Pesticides to Land (PA6A)

| Candidate A | Name: | Date: | Start Time: | Duration: | | | |
|-----------------|---|--|--|--------------------------|--------------------------|--------------------------|--------------------------|
| Candidate B | Name: | Date: | Start Time: | Duration: | | | |
| Candidate C | Name: | Date: | Start Time: | Duration: | | | |
| Candidate D | Name: | Date: | Start Time: | Duration: | | | |
| CRITERIA NUMBER | ASSESSMENT CRITERIA | ASSESSOR GUIDANCE | ASSESSMENT ACTIVITIES | CANDIDATE | | | |
| | | | | A | B | C | D |
| Unit 151 1.1 | Describe the legal requirements relating to applying pesticides using hand held pedestrian equipment | Candidate to describe two operator's obligations in terms of legal requirements | May include: | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | <ul style="list-style-type: none"> all required guards are in place and equipment complies with legal requirements comply with The Plant Protection Products (Sustainable Use) Regulations 2012 the operator must hold the appropriate certification for the equipment they are using | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | Met ✓ Not Met X | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 151 1.2 | Describe how to apply pesticides safely using hand held pedestrian equipment following industry best practice | Candidate to describe one operator safety regulation in terms of using hand held pedestrian equipment | May include: | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | <ul style="list-style-type: none"> comply with Pesticides Codes of Practice adopt industry best practice be aware of any safety implications imposed by Risk/COSHH Assessment and comply with the requirements | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | Candidate to describe the differences in technique for overall treatment and spot treatment | Overall treatment includes: | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | <ul style="list-style-type: none"> consistent walking speed regular pumping to maintain constant pressure consistent nozzle height accurate on/off points matching of bouts avoidance of off target application | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | Three required for each technique | Spot treatment includes: | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | <ul style="list-style-type: none"> use of a suitable nozzle maintaining a suitable height timed treatment avoidance of under/over dosing avoidance of off target application | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | Met ✓ Not Met X | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 151 2.1 | Identify risks to the environment | Candidate to identify all relevant risks to the environment for the application site | May include the following: | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | <ul style="list-style-type: none"> ground conditions water courses drains boreholes environmental margins/strips/areas wildlife non-target plants sensitive crops/areas hedgerows housing public access other risks particular to the site | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | Met ✓ Not Met X | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| CRITERIA NUMBER | ASSESSMENT CRITERIA | ASSESSOR GUIDANCE | ASSESSMENT ACTIVITIES | CANDIDATE | | | |
|------------------------------------|---|---|---|--------------------------|--------------------------|--------------------------|--------------------------|
| | | | | A | B | C | D |
| Unit 151 2.2 | Explain how to minimise risks to the environment | <p>Candidate to explain how to minimise the risks identified in 2.1</p> <p>Candidate to state the reason for minimising spray drift or off target application</p> <p>Candidate to check and comment on wind speed and direction</p> <p>Candidate to state five factors that affect spray drift</p> | <p>Explanation may include the following points:</p> <ul style="list-style-type: none"> • check and maintain application rate • avoid spray drift • avoid off target application • observe buffer zones • inform neighbours • erect warning signs • use an appropriate pesticide (minimal environmental impact) • appropriate timing of application <ul style="list-style-type: none"> • avoidance of contamination to people and the environment • use of an anemometer at suitable height or visual signs • wind direction <p>May include:</p> <ul style="list-style-type: none"> • weather conditions • direction of spraying • nozzle type and size • pressure • walking speed • nozzle height • rotary atomiser speed • defective equipment <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 151 3.1 Unit 151 3.2 | Read product information Interpret product information | <p>The candidate is required to read and interpret the information on a product label and provide relevant information as requested by the Assessor</p> <p>Note to the Assessor: A product label is required. It is expected that the candidate will provide the product label</p> <p>The label provided must be for a currently approved product and appropriate to the candidates normal work situation</p> <p>Note to the Candidate (Assessor also to note): It is acceptable for key information on the label to be highlighted for use during the assessment</p> | <p>To include the following:</p> <ul style="list-style-type: none"> • product name • active substance(s) (ingredient(s)) <p>Important information:</p> <ul style="list-style-type: none"> • field of use • crop/target • maximum individual dose • maximum total dose • maximum number of treatments <p>May include the following:</p> <ul style="list-style-type: none"> • specific product precautions/warnings • operator protection • environmental protection • restrictions on use <p>Crop specific information:</p> <ul style="list-style-type: none"> • crop/target • dose rate • water volume • timing <p>Mixing and spraying:</p> <ul style="list-style-type: none"> • filling • reduced volume applications (if applicable) • recommended nozzles • recommended pressure • spray quality • additional label information • compatibility <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| CRITERIA NUMBER | ASSESSMENT CRITERIA | ASSESSOR GUIDANCE | ASSESSMENT ACTIVITIES | CANDIDATE | | | |
|-----------------|---|--|--|--------------------------|--------------------------|--------------------------|--------------------------|
| | | | | A | B | C | D |
| Unit 151 4.1 | Carry out pre use checks to the sprayer/applicator | Candidate to carry out all pre-use checks relevant to the sprayer/applicator being used for the assessment Candidate to part fill the sprayer/applicator and check for satisfactory operation | To include: <ul style="list-style-type: none"> sprayer/applicator de-pressurised Sprayer/applicator components to be inspected for serviceability and contamination that may include: <ul style="list-style-type: none"> tank lid filters hoses connections seals on/off control lance straps pump, visual assessment only batteries (if applicable) engine (if applicable) To include: <ul style="list-style-type: none"> sprayer/applicator checked for leaks under pressure any problems identified to be rectified if within operators level of responsibility and ability condition confirmed as suitable for operation <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 151 4.2 | Identify suitable operating pressure and select nozzles according to application requirements | Candidate to identify and explain the use of two types of nozzle Note to the Assessor: One of these should be the nozzle intended for use Fit the required nozzle for use and select the correct pressure Candidate to check nozzle condition and spray pattern using any appropriate method | <ul style="list-style-type: none"> deflector - medium/coarse spray quality. Generally used to apply herbicides air inclusion - medium/coarse spray quality. Good drift reduction properties full cone - medium/coarse spray quality. Suitable for spot treatment and spraying around obstacles fan nozzle - fine, medium or coarse spray quality. General purpose hollow cone - fine spray quality. Generally used for insecticide and fungicide treatment To include: <ul style="list-style-type: none"> suitable nozzle selected nozzle fitted correctly correct pressure selected To include: <ul style="list-style-type: none"> nozzle undamaged correct spray pattern for nozzle <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 151 4.3 | Calibrate the sprayer/applicator and record relevant data | The candidate is required to calibrate the sprayer/applicator and record relevant data Note to the Assessor: Any method of calibration may be used providing it is capable of allowing for different walking speeds and spray widths Candidate to record relevant calibration data | Calibration to include: <ul style="list-style-type: none"> calculation of water volume rate check water volume rate against product information recommendations Calibration data may include: <ul style="list-style-type: none"> applicator used walking speed nozzle(s) fitted (spray width if appropriate) pressure setting flow rate <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| CRITERIA NUMBER | ASSESSMENT CRITERIA | ASSESSOR GUIDANCE | ASSESSMENT ACTIVITIES | CANDIDATE | | | |
|-----------------|--|---|---|--------------------------|--------------------------|--------------------------|--------------------------|
| | | | | A | B | C | D |
| Unit 151 4.4 | Measure the area to be treated | Candidate to measure the area. The Assessor may assist under direction of the candidate Note to the Assessor: A rectangular area of approximately 200sq metre is required for the assessment which must involve multiple bouts | To include: <ul style="list-style-type: none"> Accurate measurement of dimensions <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 151 4.5 | Calculate the area to be treated | Candidate to calculate the area | to include: <ul style="list-style-type: none"> Accurate calculation of area <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 151 4.6 | Calculate the quantities of pesticide and water required if applicable | Candidate to calculate quantities required for the specified area in 4.5 and a full tank | To include: <ul style="list-style-type: none"> amount of water required for specified area amount of pesticide required for specified area amount of pesticide required for full tank <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 151 5.1 | Measure the required quantities and add to the sprayer/applicator, or attach pesticide container | Candidate to measure and add quantities required for the area specified in 4.5 Note: This may be a simulated pesticide product supplied by the Assessor | To include: <ul style="list-style-type: none"> correct selection and use of PPE (as required by the product label and/or COSHH Assessment) observance of pesticide manufacturers instructions for mixing sequence and agitation (or other recommended method) suitable site selected clean water supply accurate measurement of water accurate measurement of pesticide avoidance of spillage or <ul style="list-style-type: none"> attach a pesticide container return to secure storage <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 151 5.2 | Demonstrate safe and accurate application procedures | The candidate is required to treat the area in 4.5 demonstrating safe and accurate application procedures | To include: <ul style="list-style-type: none"> treatment area clearly identified walking speed maintained accurate switching on/off points accurate matching of bouts obstacles dealt with correctly (if applicable) area treated minimising overlaps and misses awareness of changing weather conditions and appropriate action taken (if applicable) avoidance of off target application/contamination <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 151 5.3 | Carry out all activities protecting human health and the environment | Note to the Assessor: The Assessor to be satisfied that the candidate has carried out all activities protecting human health and that of the environment | To include: <ul style="list-style-type: none"> prevention of personal injury and contamination through correct selection and use of PPE (as required by the product information, COSHH and Risk Assessment) prevention of public / bystander contamination safe filling procedure avoidance of spray drift avoidance of off target application/contamination avoidance of over dosing/under dosing crop/target/plant material <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 151 5.4 | Complete a treatment record | The candidate is required to complete a treatment record Note to the Assessor: The treatment record must be approved by the Assessor (or supplied by the Assessor if necessary) | Completion of the treatment record must be: <ul style="list-style-type: none"> accurate legible (if handwritten) <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Unit 152 - Operating Pedestrian Hand Held Applicators Fitted with Hydraulic Nozzles or Rotary Atomisers to apply Pesticides to or Near Water (PA6AW)

| | | | | |
|-------------|-------|-------|-------------|-----------|
| Candidate A | Name: | Date: | Start Time: | Duration: |
| Candidate B | Name: | Date: | Start Time: | Duration: |
| Candidate C | Name: | Date: | Start Time: | Duration: |
| Candidate D | Name: | Date: | Start Time: | Duration: |

| CRITERIA NUMBER | ASSESSMENT CRITERIA | ASSESSOR GUIDANCE | ASSESSMENT ACTIVITIES | CANDIDATE | | | |
|-----------------|--|--|---|--------------------------|--------------------------|--------------------------|--------------------------|
| | | | | A | B | C | D |
| Unit 152 1.1 | Describe the legal requirements relating to applying pesticides to or near water using hand held pedestrian equipment | <p>Candidate to describe two operator's obligations in terms of legal requirements</p> <p>Candidate to state two legal requirements when applying pesticides to or near water</p> | <p>May include:</p> <ul style="list-style-type: none"> all required guards are in place and equipment complies with legal requirements comply with The Plant Protection Products (Sustainable Use) Regulations 2012 the operator must hold the appropriate certification for the equipment they are using <p>Both required:</p> <ul style="list-style-type: none"> ensure the pesticide has aquatic approval seek environmental agency approval <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 152 1.2 | Describe how to apply pesticides safely to or near water using hand held pedestrian equipment following industry best practice | <p>Candidate to describe one operator safety regulation in terms of using hand held pedestrian equipment</p> <p>Candidate to describe the differences in technique for overall treatment and spot treatment</p> <p>Three required for each technique</p> <p>Define the term to or near water</p> <p>Candidate to state four examples</p> <p>Describe two operator safety considerations in terms of using hand held pedestrian equipment in the aquatic environment</p> | <p>May include:</p> <ul style="list-style-type: none"> comply with Pesticide Codes of Practice adopt industry best practice be aware of any safety implications imposed by Risk/COSHH Assessment and comply with the requirements <p>Overall treatment includes:</p> <ul style="list-style-type: none"> consistent walking speed regular pumping to maintain constant pressure consistent nozzle height accurate on/off points matching of bouts avoidance of off target application <p>Spot treatment includes:</p> <ul style="list-style-type: none"> use of a suitable nozzle maintaining a suitable height timed treatment avoidance of under/over dosing avoidance of off target application <p>May include the following:</p> <ul style="list-style-type: none"> wet or dry ditches drainage channels streams rivers canals ponds lakes/lochs reservoirs and areas immediately adjacent <p>May include:</p> <ul style="list-style-type: none"> check bank stability before applying availability of a second person on site availability of life ring/rescue devices <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| CRITERIA NUMBER | ASSESSMENT CRITERIA | ASSESSOR GUIDANCE | ASSESSMENT ACTIVITIES | CANDIDATE | | | |
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| | | | | A | B | C | D |
| Unit 152 2.1 | Identify risks to the aquatic environment | Candidate to identify all relevant environmental risks to the proposed treatment site | <p>May include the following:</p> <ul style="list-style-type: none"> • ground conditions • wildlife • non-target plants • environmental margins/strips/areas • hedgerows • housing • public access • sensitive crops/areas • water courses • boreholes • livestock drinking points • recreational use of water body/course • water extraction points • de-oxygenation of water • removal of fish cover • removal of bankside wildlife habitat • removal of bankside vegetation leading to bank erosion • other risks specific to the site <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 152 2.2 | Explain how to minimise risks to the environment | <p>Candidate to explain how to minimise the risks identified in 2.1</p> <p>Candidate to check and comment on wind speed and direction</p> <p>Candidate to state the reason for minimising spray drift or off target application</p> <p>Candidate to state five factors that affect spray drift</p> | <p>Explanation may include the following points:</p> <ul style="list-style-type: none"> • work in an upstream direction • check weather suitability before treatment • check downstream uses before treatment • seek environmental agency approval • use of an appropriate pesticide (minimal environmental impact) • appropriate timing of treatment • check and maintain application rate • avoid spray drift • avoid off target application • exclude livestock • erect warning signs • inform neighbours • use of anemometer at suitable height or visual signs • wind direction • avoidance of contamination to people and the environment, including the aquatic environment • weather conditions • direction of spraying • nozzle type and size • pressure • walking speed • nozzle height • rotary atomiser speed • defective equipment <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| CRITERIA NUMBER | ASSESSMENT CRITERIA | ASSESSOR GUIDANCE | ASSESSMENT ACTIVITIES | CANDIDATE | | | |
|------------------------|---|--|---|--------------------------|--------------------------|--------------------------|--------------------------|
| | | | | A | B | C | D |
| Unit 152 3.1 3.2 | Read product information Interpret product information | The candidate is required to read and interpret the information on a product label and provide relevant information as requested by the Assessor Note to the Assessor: A product label is required. It is expected that the candidate will provide the product label The label provided must be for a currently approved product and appropriate to the candidates normal work situation Note to the Candidate (Assessor also to note): It is acceptable for key information on the label to be highlighted for use during the assessment | To include the following: <ul style="list-style-type: none"> product name active substance(s) (ingredient(s)) Important information: <ul style="list-style-type: none"> field of use (aquatic approval) target maximum individual dose maximum total dose maximum number of treatments May include the following: <ul style="list-style-type: none"> specific product precautions/warnings operator protection environmental protection restrictions on use Crop specific information: <ul style="list-style-type: none"> target dose rate water volume timing Mixing and spraying: <ul style="list-style-type: none"> filling reduced volume applications (if applicable) recommended nozzles recommended pressure spray quality additional label information compatibility <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 152 4.1 | Carry out pre use checks to the sprayer/applicator | Candidate to carry out all pre-use checks relevant to the sprayer/applicator being used for the assessment Candidate to part fill the sprayer/applicator and check for satisfactory operation | To include: <ul style="list-style-type: none"> sprayer/applicator de-pressurised Sprayer/applicator components to be inspected for serviceability and contamination that may include: <ul style="list-style-type: none"> tank lid filters hoses connections seals on/off control lance straps pump, visual assessment only batteries (if applicable) engine (if applicable) To include: <ul style="list-style-type: none"> sprayer/applicator checked for leaks under pressure any problems identified to be rectified if within operators level of responsibility and ability condition confirmed as suitable for operation <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| CRITERIA NUMBER | ASSESSMENT CRITERIA | ASSESSOR GUIDANCE | ASSESSMENT ACTIVITIES | CANDIDATE | | | |
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| | | | | A | B | C | D |
| Unit 152 4.2 | Identify suitable operating pressure and select nozzles according to application requirements | <p>Candidate to identify and explain the use of two types of nozzle</p> <p>Note to the Assessor: One of these should be the nozzle intended for use</p> <p>Fit the required nozzle for use and select the correct pressure</p> <p>Candidate to check nozzle condition and spray pattern using any appropriate method</p> | <ul style="list-style-type: none"> deflector - medium/coarse spray quality. Generally used to apply herbicides air inclusion - medium/coarse spray quality. Good drift reduction properties full cone - medium/coarse spray quality. Suitable for spot treatment and spraying around obstacles fan nozzle - fine, medium or coarse spray quality. General purpose <p>To include:</p> <ul style="list-style-type: none"> suitable nozzle selected nozzle fitted correctly correct pressure selected <p>To include:</p> <ul style="list-style-type: none"> nozzle undamaged correct spray pattern for nozzle <p>Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 152 4.3 | Calibrate the sprayer/appliator and record relevant data | <p>The candidate is required to calibrate the sprayer/appliator and record relevant data</p> <p>Note to the Assessor: Any method of calibration may be used providing it is capable of allowing for different walking speeds and spray widths</p> <p>Candidate to record relevant calibration data</p> | <p>Calibration to include:</p> <ul style="list-style-type: none"> calculation of water volume rate check water volume rate against product information recommendations <p>Calibration data may include:</p> <ul style="list-style-type: none"> applicator used walking speed nozzle(s) fitted (swath width if appropriate) pressure setting <p>Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 152 4.4 | Measure the area to be treated | <p>Candidate to measure the area. The Assessor may assist under direction of the candidate</p> <p>Note to the Assessor: An area of bank/target of approximately 50m length typical of the candidates normal work situation to be used</p> | <ul style="list-style-type: none"> accurate measurement of dimensions <p>Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 152 4.5 | Calculate the area to be treated | <p>Candidate to calculate the area</p> | <ul style="list-style-type: none"> accurate calculation of area <p>Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 152 4.6 | Calculate the quantities of pesticide and water required, if applicable | <p>Candidate to calculate quantities required for the specified area in 4.5 and a full tank</p> | <p>To include:</p> <ul style="list-style-type: none"> amount of water required for specified area amount of pesticide required for specified area amount of pesticide required for full tank <p>Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 152 5.1 | Measure the required quantities and add to the applicator, or attach pesticide container | <p>Candidate to measure and add quantities required for the area specified in 4.5</p> <p>Note: This may be a simulated pesticide product supplied by the Assessor</p> | <p>To include:</p> <ul style="list-style-type: none"> correct selection and use of PPE (as required by the product label and/or COSHH Assessment) observance of pesticide manufacturers instructions for mixing sequence and agitation (or other recommended method) suitable site selected clean water supply accurate measurement of water accurate measurement of pesticide avoidance of spillage <p>or</p> <ul style="list-style-type: none"> attach a pesticide container <p>Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| CRITERIA NUMBER | ASSESSMENT CRITERIA | ASSESSOR GUIDANCE | ASSESSMENT ACTIVITIES | CANDIDATE | | | |
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| | | | | A | B | C | D |
| Unit 152 5.2 | Demonstrate safe and accurate application procedures | The candidate is required to treat the area in 4.5 demonstrating safe and accurate application procedures | To include: <ul style="list-style-type: none"> bankside safety implemented treatment area clearly identified walking speed maintained accurate switching on/off points accurate matching of bouts obstacles dealt with correctly (if applicable) area treated minimising overlaps and misses awareness of changing weather conditions and appropriate action taken (if applicable) avoidance of off target application/contamination <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 152 5.3 | Carry out all activities protecting human health and the environment | Note to the Assessor: Assessor to be satisfied that the candidate has carried out all activities protecting human health and the environment | To include: <ul style="list-style-type: none"> prevention of personal injury and contamination through correct selection and use of PPE (as required by the product information, COSHH and Risk Assessment) prevention of public/bystander contamination safe filling procedure avoidance of spray drift avoidance of off target application/contamination avoidance of over dosing/under dosing crop/target/plant material minimising the impact on the aquatic environment <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 152 5.4 | Complete a treatment record | The candidate is required to complete a treatment record. Note to the Assessor: The treatment record must be approved or if necessary supplied by the Assessor | Completion of the treatment record must be: <ul style="list-style-type: none"> accurate legible (if handwritten) <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 152 6.1 | Explain how to manage surplus pesticide and dispose of waste material | Candidate to explain one method of dealing with surplus concentrate pesticide Candidate to explain two methods of dealing with waste containers or packaging Candidate to explain two methods of dealing with surplus dilute pesticide | May include: <ul style="list-style-type: none"> return to temporary mobile store return to fixed store Containers: <ul style="list-style-type: none"> triple rinsed placed in secure storage until disposal returned to supplier collected by a licensed waste disposal contractor Packaging: <ul style="list-style-type: none"> thoroughly emptied placed in secure storage until disposal collected by a licensed waste disposal contractor May include: <ul style="list-style-type: none"> back on to site as long as it is below the maximum dose rate use on another approved crop/target treated by specialist treatment facility on site (e.g. a lined bio bed) collected by a licensed waste disposal contractor <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 152 6.2 | Explain how to clean and decontaminate the sprayer/applicator | Candidate to explain four factors that need to be considered when cleaning and decontaminating the sprayer | May include: <ul style="list-style-type: none"> select and use appropriate PPE appropriate site thorough washing with water and suitable cleaning agent (if recommended/required) internal and external surfaces care to ensure contamination 'hot-spots' are clean thorough flushing of system safe disposal of contaminated washings when cleaning should take place safe procedures followed <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| CRITERIA NUMBER | ASSESSMENT CRITERIA | ASSESSOR GUIDANCE | ASSESSMENT ACTIVITIES | CANDIDATE | | | |
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| Unit 152 6.3 | Describe the storage requirements for the Sprayer/applicator | Candidate to describe three factors to consider prior to storing the applicator | May include: <ul style="list-style-type: none"> • ensure the applicator is clean and dry • inspect for wear and damage • replace any worn or damaged parts • frost protection measures implemented • lubricate as required • store undercover and out of direct sunlight • store in a secure area <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Unit 153 - Operating pedestrian hand held applicators to apply pesticide pellets or granules to land (PA6G)

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|-------------|-------|-------|-------------|-----------|
| Candidate A | Name: | Date: | Start Time: | Duration: |
| Candidate B | Name: | Date: | Start Time: | Duration: |
| Candidate C | Name: | Date: | Start Time: | Duration: |
| Candidate D | Name: | Date: | Start Time: | Duration: |

| CRITERIA NUMBER | ASSESSMENT CRITERIA | ASSESSOR GUIDANCE | ASSESSMENT ACTIVITIES | CANDIDATE | | | |
|-----------------|--|--|--|--------------------------|--------------------------|--------------------------|--------------------------|
| | | | | A | B | C | D |
| Unit 153 1.1 | Outline the legal requirements relating to applying pesticide pellets/granules using pedestrian hand held applicators | Candidate to describe two operator's obligations in terms of the legal requirements | May include: <ul style="list-style-type: none"> all required guards are in place and equipment complies with legal requirements comply with The Plant Protection Products (Sustainable Use) Regulations 2012 the operator must hold the appropriate certification for the equipment they are using <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 153 1.2 | Describe how to apply pesticide pellets/granules using pedestrian hand held applicators following industry best practice | Candidate to describe one operator safety regulation in terms of using hand held pedestrian equipment Candidate to describe the differences in technique for overall treatment and spot treatment Three required for each technique | May include: <ul style="list-style-type: none"> comply with Pesticide Codes of Practice adopt industry best practice be aware of any safety implications imposed by Risk/COSHH Assessment and comply with the requirements Overall treatment includes: <ul style="list-style-type: none"> consistent walking speed accurate switching on/off points matching of bouts avoidance of off target application Spot treatment includes: <ul style="list-style-type: none"> maintaining a suitable applicator height avoidance of under/over dosing avoidance of off target application <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 153 2.1 | Identify risks to the environment | Candidate to identify all relevant risks to the environment for the application site | May include the following: <ul style="list-style-type: none"> ground conditions water courses drains boreholes environmental margins/strips/areas wildlife non-target plants sensitive crops/areas hedgerows housing public access other risks particular to the site <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 153 2.2 | Explain how to minimise risks to the environment | Candidate to explain how to minimise the risks identified in 2.1 | Explanation may include the following points: <ul style="list-style-type: none"> check and maintain application rate avoid off target application observe buffer zones inform neighbours erect warning signs use an appropriate pesticide (minimal environmental impact) appropriate timing of application | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Continued | | Candidate to state the reason for minimising off target application | <ul style="list-style-type: none"> avoidance of contamination to people and the environment | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| CRITERIA NUMBER | ASSESSMENT CRITERIA | ASSESSOR GUIDANCE | ASSESSMENT ACTIVITIES | CANDIDATE | | | |
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| | | | | A | B | C | D |
| Cont... Unit 153 2.2 | | <p>Candidate to check and comment on wind speed and direction</p> <p>Candidate to state five factors that affect uniformity of spread</p> | <ul style="list-style-type: none"> • use of an anemometer at suitable height or visual signs • wind direction <p>May include:</p> <ul style="list-style-type: none"> • weather conditions • direction of spreading • pellet/granule density and size • applicator height • applicator set level • defective equipment <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 153 3.1 Unit 153 3.2 | <p>Read product information</p> <p>Interpret product information</p> | <p>The candidate is required to read and interpret the information on a product label and provide relevant information as requested by the Assessor</p> <p>Note to the Assessor: A product label is required. It is expected that the candidate will provide the product label</p> <p>The label provided must be for a currently approved product and appropriate to the candidates normal work situation</p> <p>Note to the Candidate (Assessor also to note): It is acceptable for key information on the label to be highlighted for use during the assessment</p> | <p>To include the following:</p> <ul style="list-style-type: none"> • product name • active substance(s) (ingredient(s)) <p>Important information:</p> <ul style="list-style-type: none"> • field of use • crop/target • maximum individual dose • maximum total dose • maximum number of treatments <p>May include the following:</p> <ul style="list-style-type: none"> • specific product precautions/warnings • operator protection • environmental protection • restrictions on use <p>Crop specific information:</p> <ul style="list-style-type: none"> • crop/target • dose rate • timing <ul style="list-style-type: none"> • additional label information <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 153 4.1 | Carry out pre use checks to the applicator | <p>Candidate to carry out all pre-use checks relevant to the applicator being used for the assessment</p> <p>Power unit isolated (if applicable)</p> | <p>Applicator components to be inspected for serviceability and contamination that may include:</p> <ul style="list-style-type: none"> • hopper • lid • agitator • metering device • spinning disc condition • on/off control • straps or harness (if applicable) • wheels and tyres (if applicable) <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 153 4.2 | Identify settings and adjustments | Candidate to identify any settings and adjustments applicable to the applicator | <p>May include:</p> <ul style="list-style-type: none"> • height adjustment • spread width adjustment • disc speed adjustment • metering device <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 153 4.3 Continued | Calibrate the applicator and record relevant data | <p>The candidate is required to calibrate the applicator and record relevant data</p> <p>Note to the Assessor: Any method of calibration may be used providing it is capable of allowing for different walking speeds and spread widths</p> | <p>Calibration may include:</p> <ul style="list-style-type: none"> • calculation of walking speed • measure spread width • calculate application rate • check rate against product information recommendations | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| CRITERIA NUMBER | ASSESSMENT CRITERIA | ASSESSOR GUIDANCE | ASSESSMENT ACTIVITIES | CANDIDATE | | | |
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| Cont... Unit 153 4.3 | | Candidate to record relevant calibration data | Calibration data may include: <ul style="list-style-type: none"> walking speed applicator used height setting spread width metering device setting pellet/granule used <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 153 4.4 | Measure the area to be treated | Candidate to measure the area. The Assessor may assist under direction of the candidate Note to the Assessor: A rectangular area of approximately 200sq metre is required for the assessment which must involve multiple bouts | To include: <ul style="list-style-type: none"> accurate measurement of dimensions <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 153 4.5 | Calculate the area to be treated | Candidate to calculate the area | To include: <ul style="list-style-type: none"> accurate calculation of area <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 153 4.6 | Calculate the quantities of pesticide required | Candidate to calculate quantity required for the specified area calculated in 4.5 | To include: <ul style="list-style-type: none"> amount of pesticide required for specified area <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 153 5.1 | Measure/weigh the required quantities and add to the applicator | Candidate to measure/weigh and add quantities required for the area specified in 4.5 Note: This may be a simulated pesticide product | To include all of the following: <ul style="list-style-type: none"> correct selection and use of PPE/RPE (as required by the product label, COSHH and Risk Assessment) suitable site selected add product following product recommendations and approved procedures accurate measurement of pesticide product avoidance of spillage <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 153 5.2 | Demonstrate safe and accurate application procedures | The candidate is required to treat the area in 4.5 demonstrating safe and accurate application procedures | To include: <ul style="list-style-type: none"> treatment area clearly identified walking speed maintained accurate switching on/off points accurate matching of bouts obstacles dealt with correctly (if applicable) area treated minimising overlaps and misses awareness of changing weather conditions and appropriate action taken (if applicable) avoidance of off target application/contamination <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 153 5.3 | Carry out all activities protecting human health and the environment | Note to the Assessor: The Assessor to be satisfied that the candidate has carried out all activities protecting human health and that of the environment | To include: <ul style="list-style-type: none"> prevention of personal injury and contamination through correct selection and use of PPE/RPE (as required by the product information, COSHH/Risk Assessment) prevention of public/bystander contamination safe filling procedure avoidance of off target application avoidance of over dosing/under dosing crop/target/plant material <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 153 5.4 | Complete a treatment record | The candidate is required to complete a treatment record. Note to the Assessor: the treatment record must be approved or if necessary supplied by the Assessor | Completion of the treatment record must be: <ul style="list-style-type: none"> accurate legible (if handwritten) <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| CRITERIA NUMBER | ASSESSMENT CRITERIA | ASSESSOR GUIDANCE | ASSESSMENT ACTIVITIES | CANDIDATE | | | |
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| Unit 153 6.1 | State how to recover and store surplus pellets/granules and how to dispose of waste material | Candidate to explain one method of recovering surplus pesticide pellets/granules Candidate to explain one method of dealing with waste packaging | Explanation may include: <ul style="list-style-type: none"> careful return to packaging return to temporary mobile store return to fixed store Packaging: <ul style="list-style-type: none"> thoroughly emptied placed in secure storage until disposal collected by licensed waste disposal contractor <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 153 6.2 | Explain how to clean and decontaminate the applicator | Candidate to explain what factors that need to be considered when cleaning the applicator | Explanation to include at least four of the following points: <ul style="list-style-type: none"> select and use correct PPE selection of an appropriate site for cleaning the applicator clean the applicator following product information and manufacturer's recommendations safe disposal of contaminated waste in an appropriate manner following good practice safe procedures followed <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 153 6.3 | Describe the storage requirements for the applicator | Candidate to describe three factors to consider when storing the sprayer/applicator | May include: <ul style="list-style-type: none"> ensure the applicator is clean inspect for wear or damage replace any worn or damaged parts lubricate if required store in a secure area store under cover and out of direct sunlight <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Unit 154 - Operating Pedestrian Hand Held Applicators to Apply Pesticide Pellets or Granules to or Near Water (PA6GW)

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|-------------|-------|-------|-------------|-----------|
| Candidate A | Name: | Date: | Start Time: | Duration: |
| Candidate B | Name: | Date: | Start Time: | Duration: |
| Candidate C | Name: | Date: | Start Time: | Duration: |
| Candidate D | Name: | Date: | Start Time: | Duration: |

| CRITERIA NUMBER | ASSESSMENT CRITERIA | ASSESSOR GUIDANCE | ASSESSMENT ACTIVITIES | CANDIDATE | | | |
|-----------------|---|---|--|--------------------------|--------------------------|--------------------------|--------------------------|
| | | | | A | B | C | D |
| Unit 154 1.1 | Describe the legal requirements relating to applying pesticide pellets/granules to or near water using pedestrian hand held applicators | <p>Candidate to describe two operator's obligations in terms of legal requirements</p> <p>Candidate to state two legal requirements when applying pesticides to or near water</p> | <p>May include:</p> <ul style="list-style-type: none"> all required guards are in place and equipment complies with legal requirements comply with The Plant Protection Products (Sustainable Use) Regulations 2012 the operator must hold the appropriate certification for the equipment they are using <p>Both required:</p> <ul style="list-style-type: none"> ensure the pesticide has aquatic approval seek Environmental Agency approval <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 154 1.2 | Describe how to apply pesticide pellets/granules to or near water using pedestrian hand held applicators following industry best practice | <p>Candidate to describe one operator safety regulation in terms of using hand held pedestrian equipment</p> <p>Candidate to describe the differences in technique for overall treatment and spot treatment</p> <p>Three required for each technique</p> <p>Define the term to or near water</p> <p>Candidate to state four examples</p> <p>Describe two operator safety considerations in terms of using hand held pedestrian equipment in the aquatic environment</p> | <p>May include:</p> <ul style="list-style-type: none"> comply with Pesticide Codes of Practice adopt industry best practice be aware of any safety implications imposed by Risk/COSHH Assessment and comply with the requirements <p>Overall treatment includes:</p> <ul style="list-style-type: none"> consistent walking speed accurate switching on/off points matching of bouts avoidance of off target application <p>Spot treatment includes:</p> <ul style="list-style-type: none"> maintaining a suitable applicator height avoidance of under/over dosing avoidance of off target application <p>May include the following:</p> <ul style="list-style-type: none"> wet or dry ditches drainage channels streams rivers canals ponds lakes/lochs reservoirs and areas immediately adjacent <p>May include:</p> <ul style="list-style-type: none"> check bank stability before applying availability of a second person on site availability of life ring/rescue devices <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| CRITERIA NUMBER | ASSESSMENT CRITERIA | ASSESSOR GUIDANCE | ASSESSMENT ACTIVITIES | CANDIDATE | | | |
|-----------------|--|---|--|--------------------------|--------------------------|--------------------------|--------------------------|
| | | | | A | B | C | D |
| Unit 154 2.1 | Identify risks to the aquatic environment | Candidate to identify all relevant risks to the environment for the application site | <p>May include the following:</p> <ul style="list-style-type: none"> • ground conditions • wildlife • non-target plants • environmental margins/strips/areas • hedgerows • housing • public access • sensitive crops/areas • water courses • boreholes • livestock drinking points • recreational use of water body/course • water extraction points • de-oxygenation of water • removal of fish cover • removal of bankside wildlife habitat • removal of bankside vegetation leading to bank erosion • other risks specific to the site <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 154 2.2 | Explain how to minimise risks to the environment | <p>Candidate to explain how to minimise the risks identified in 2.1</p> <p>Candidate to state the reason for minimising off target application</p> <p>Candidate to check and comment on wind speed and direction</p> <p>Candidate to state five factors that affect uniformity of spread</p> | <p>Explanation may include the following points:</p> <ul style="list-style-type: none"> • work in an upstream direction • check weather suitability before treatment • check downstream uses before treatment • seek Environmental Agency approval • use of an appropriate pesticide (minimal environmental impact) • appropriate timing of treatment • check and maintain application rate • avoid off-target application • exclude livestock • erect warning signs • inform neighbours <p>• avoidance of contamination to people and the environment</p> <ul style="list-style-type: none"> • use of an anemometer at suitable height or visual signs • wind direction <p>May include:</p> <ul style="list-style-type: none"> • weather conditions • direction of spreading • pellet/granule density and size • applicator height • applicator set level • defective equipment <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| CRITERIA NUMBER | ASSESSMENT CRITERIA | ASSESSOR GUIDANCE | ASSESSMENT ACTIVITIES | CANDIDATE | | | |
|------------------------------------|---|---|---|--------------------------|--------------------------|--------------------------|--------------------------|
| | | | | A | B | C | D |
| Unit 154 3.1 Unit 154 3.2 | Read product information Interpret product information | <p>Note to the Assessor: A product label is required. It is expected that the candidate will provide the product label</p> <p>The label provided must be for a currently approved product and appropriate to the candidates normal work situation</p> <p>Note to the Candidate (Assessor also to note): It is acceptable for key information on the label to be highlighted for use during the assessment</p> | <p>Important information:</p> <ul style="list-style-type: none"> field of use (aquatic approval) target maximum individual dose maximum total dose maximum number of treatments <p>May include the following:</p> <ul style="list-style-type: none"> specific product precautions/warnings operator protection environmental protection restrictions on use <p>Crop specific information:</p> <ul style="list-style-type: none"> target dose rate timing additional label information <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 154 4.1 | Carry out pre use checks to the applicator | <p>Candidate to carry out all pre-use checks relevant to the applicator being used for the assessment</p> <p>Equipment to be isolated (if applicable)</p> | <p>Applicator components to be inspected for serviceability and contamination that may include:</p> <ul style="list-style-type: none"> hopper lid agitator metering device spinning disc condition on/off control straps or harness (if applicable) wheels and tyres (if applicable) <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 154 4.2 | Identify settings and adjustments | <p>Candidate to identify any settings and adjustments applicable to the applicator</p> | <p>May include:</p> <ul style="list-style-type: none"> height adjustment spread width adjustment disc speed adjustment metering device <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 154 4.3 | Calibrate the applicator and record relevant data | <p>The candidate is required to calibrate the sprayer/applicator and record relevant data</p> <p>Note to the Assessor: Any method of calibration may be used providing it is capable of allowing for different walking speeds and spread widths</p> <p>Candidate to record relevant calibration data</p> | <p>Calibration to include:</p> <ul style="list-style-type: none"> measure spread width calculate application rate check rate against product information recommendations <p>Calibration data may include:</p> <ul style="list-style-type: none"> walking speed applicator used height setting spread width metering device setting pellet/granule used <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 154 4.4 | Measure the area to be treated | <p>Candidate to measure the area. The Assessor may assist under direction of the candidate</p> <p>Note to the Assessor: An area of bank/target of approximately 50m length typical of the candidates normal work situation</p> | <p>To include:</p> <ul style="list-style-type: none"> accurate measurement of dimensions <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| CRITERIA NUMBER | ASSESSMENT CRITERIA | ASSESSOR GUIDANCE | ASSESSMENT ACTIVITIES | CANDIDATE | | | |
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| | | | | A | B | C | D |
| Unit 154 4.5 | Calculate the area to be treated | Candidate to calculate the area | to include: <ul style="list-style-type: none"> accurate calculation of area <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 154 4.6 | Calculate the quantities of pesticide required | Candidate to calculate quantity required for the specified area calculated in 4.5 | To include: <ul style="list-style-type: none"> amount of pesticide required for specified area <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 154 5.1 | Measure/weigh the required quantities and add to the applicator | Candidate to measure and add quantities required for the area specified in 4.5 Note: This may be a simulated pesticide product | To include all of the following: <ul style="list-style-type: none"> correct selection and use of PPE/RPE (as required by the product label, COSHH/Risk Assessment) suitable site selected add product following product recommendations and approved procedures accurate measurement of pesticide product avoidance of spillage <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 154 5.2 | Demonstrate safe and accurate application procedures | The candidate is required to treat the area in 4.5 demonstrating safe and accurate application procedures | To include: <ul style="list-style-type: none"> bankside safety implemented treatment area clearly identified walking speed maintained accurate switching on/off points obstacles dealt with correctly (if applicable) all of specified area treated awareness of changing weather conditions and appropriate action taken (if applicable) avoidance of off target application/contamination <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 154 5.3 | Carry out all activities protecting human health and the environment | Note to the Assessor: The Assessor to be satisfied that the candidate has carried out all activities protecting human health and that of the environment | To include: <ul style="list-style-type: none"> prevention of personal injury and contamination through correct selection and use of PPE/RPE (as required by the product information, COSHH/Risk Assessment) prevention of public/bystander contamination safe filling procedure avoidance of off target application avoidance of over dosing/under dosing target minimising the impact on the aquatic environment <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 154 5.4 | Complete a treatment record | The candidate is required to complete a treatment record. Note to the Assessor: the treatment record must be approved or if necessary supplied by the Assessor | Completion of the treatment record must be: <ul style="list-style-type: none"> accurate legible (if handwritten) <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 154 6.1 | State how to recover and store surplus pellets/granules and how to dispose of waste material | Candidate to explain one method of recovering surplus pesticide pellets/granules Candidate to explain one method of dealing with waste packaging | Explanation may include: <ul style="list-style-type: none"> careful return to packaging return to temporary mobile store return to fixed store Packaging: <ul style="list-style-type: none"> thoroughly emptied placed in secure storage until disposal collected by a licensed waste disposal contractor <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 154 6.2 | Explain how to clean and decontaminate the applicator | Candidate to explain what factors that need to be considered when cleaning the applicator | Explanation to include at least four of the following points: <ul style="list-style-type: none"> select and use correct PPE/RPE selection of an appropriate site for cleaning the applicator clean the applicator following product information and manufacturer recommendations safe disposal of contaminated waste in an appropriate manner following good practice safe procedures followed <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| CRITERIA NUMBER | ASSESSMENT CRITERIA | ASSESSOR GUIDANCE | ASSESSMENT ACTIVITIES | CANDIDATE | | | |
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| | | | | A | B | C | D |
| Unit 154 6.3 | Describe the storage requirements for the applicator | Candidate to describe three factors to consider when storing the sprayer/applicator | <ul style="list-style-type: none"> • ensure the applicator is clean • inspect for wear or damage • repair or notify supervisor if not within operators level of responsibility and ability • lubricate if required • store in a secure area • store under cover and out of direct sunlight <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Unit 155 - Installing Pesticide Plugs in Tree Stumps (PA6PP)

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|-------------|-------|-------|-------------|-----------|
| Candidate A | Name: | Date: | Start Time: | Duration: |
| Candidate B | Name: | Date: | Start Time: | Duration: |
| Candidate C | Name: | Date: | Start Time: | Duration: |
| Candidate D | Name: | Date: | Start Time: | Duration: |

| CRITERIA NUMBER | ASSESSMENT CRITERIA | ASSESSOR GUIDANCE | ASSESSMENT ACTIVITIES | CANDIDATE | | | |
|-----------------|---|---|--|--------------------------|--------------------------|--------------------------|--------------------------|
| | | | | A | B | C | D |
| Unit 155 1.1 | Describe the legal requirements relating to installing pesticide plugs | <p>Candidate to describe two operator's obligations in terms of legal requirements</p> <p>Candidate to state two legal requirements when applying pesticides to or near water</p> | <p>May include:</p> <ul style="list-style-type: none"> all required guards are in place and equipment complies with legal requirements comply with The Plant Protection Products (Sustainable Use) Regulations 2012 the operator must hold the appropriate certification for the equipment they are using <p>Both required:</p> <ul style="list-style-type: none"> ensure the pesticide has aquatic approval seek environmental agency approval <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 155 1.2 | Describe how to install pesticide plugs safely following industry best practice | <p>Describe one operator safety regulation in terms of installing pesticide plugs</p> <p>Define the term to or near water</p> <p>Candidate to state four examples</p> <p>Describe two operator safety considerations in terms of using hand held pedestrian equipment in the aquatic environment</p> | <p>May include;</p> <ul style="list-style-type: none"> comply with Pesticide Codes of Practice adopt industry best practice be aware of any safety implications imposed by Risk/COSHH Assessment and comply with the requirements <p>May include the following:</p> <ul style="list-style-type: none"> wet or dry ditches drainage channels streams rivers canals ponds lakes/lochs reservoirs and areas immediately adjacent <p>May include:</p> <ul style="list-style-type: none"> check bank stability before applying availability of a second person on site availability of life ring/rescue devices <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 155 2.1 | Identify risks to the environment from installing pesticide plugs | <p>Candidate to identify all relevant risks to the environment for the application site</p> <p>Candidate to state three additional risks to the aquatic environment (unless already covered elsewhere)</p> | <p>May include:</p> <ul style="list-style-type: none"> water courses Tree Preservation Orders conservation areas wildlife non-target species leaving hazardous standing dead wood housing public access livestock drinking points recreational use of water body/course water extraction points de-oxygenation of water removal of fish cover removal of bankside wildlife habitat removal of bankside vegetation leading to bank erosion other risks specific to the site <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| CRITERIA NUMBER | ASSESSMENT CRITERIA | ASSESSOR GUIDANCE | ASSESSMENT ACTIVITIES | CANDIDATE | | | |
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| | | | | A | B | C | D |
| Unit 155 2.2 | Explain how to minimise risks to the environment | Candidate to explain how to minimise the risks identified in 2.1 | <p>May include:</p> <ul style="list-style-type: none"> • permission sought from appropriate regulatory body (if required) • use an appropriate pesticide • careful timing of application • check and maintain application rate • work in an upstream direction • check weather suitability before treatment • check downstream uses before treatment • seek environmental agency approval • exclude livestock <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 155 3.1 Unit 155 3.2 | Read product information Interpret product information | <p>The candidate is required to read and interpret the information on a product label and provide relevant information as requested by the Assessor</p> <p>Note to the Assessor: A product label is required. It is expected that the candidate will provide the product label</p> <p>The label provided must be for a currently approved product and appropriate to the candidates normal work situation</p> <p>Note to the Candidate (Assessor also to note): It is acceptable for key information on the label to be highlighted for use during the assessment</p> | <p>The following to be tested:</p> <ul style="list-style-type: none"> • product name • active substance(s) (ingredient(s)) <p>Important information:</p> <ul style="list-style-type: none"> • field of use • crop/situation • maximum individual dose • maximum total dose <p>May include the following:</p> <ul style="list-style-type: none"> • specific product precautions/warnings • operator protection • environmental protection • restrictions on use <p>Crop specific information:</p> <ul style="list-style-type: none"> • target • dose rate • timing • additional label information <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 155 4.1 | Carry out pre use checks to the application equipment | Candidate to carry out all pre-use checks relevant to the application equipment being used for the assessment | <p>May include:</p> <ul style="list-style-type: none"> • all required guards are in place and in good condition as stated in the operators manual (if applicable) • battery sufficiently charged (if applicable) • adequate fuel (if applicable) • air filter clean and in good condition (if applicable) • cooling fins clean/vents clean and clear (if applicable) • drill bit securely fitted in chuck • depth gauge secure and set correctly • hammer head securely fitted to shaft (if applicable) • any other checks specific to the equipment used <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 155 4.2 | Measure the diameter of the tree or stump to be treated | Candidate to measure the diameter of the stump or standing tree to be treated | <p>To include:</p> <ul style="list-style-type: none"> • accurate measurement • accurate calculation (if required) <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 155 4.3 | Calculate the number of plugs required | Candidate to calculate the number of plugs required for the tree diameter in 4.2 | <p>To include:</p> <ul style="list-style-type: none"> • accurate calculations <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| CRITERIA NUMBER | ASSESSMENT CRITERIA | ASSESSOR GUIDANCE | ASSESSMENT ACTIVITIES | CANDIDATE | | | |
|-----------------|--|---|---|--------------------------|--------------------------|--------------------------|--------------------------|
| | | | | A | B | C | D |
| Unit 155 5.1 | Demonstrate safe and accurate installation procedures | Candidate to install a minimum of six pesticide plugs or sufficient to treat one tree | <ul style="list-style-type: none"> correct selection and use of PPE (as required by the product label, COSHH/Risk Assessment) plugs installed at correct spacing plugs installed in to the correct part of the stump/tree plugs installed to the correct depth <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 155 5.2 | Carry out all activities protecting human health and the environment | Assessor to be satisfied that the candidate has carried out all activities protecting human health and the environment | <p>To include:</p> <ul style="list-style-type: none"> prevention of personal injury and contamination through correct selection and use of PPE (as required by the product information, COSHH/Risk Assessment) prevention of public/bystander contamination safe installation procedure avoidance of non-target species application avoidance of over dosing/under dosing <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 155 5.3 | Complete a treatment record | The candidate is required to complete a treatment record. Note to the Assessor: The treatment record must be approved by the Assessor (or supplied by the Assessor if necessary) | <p>Completion of the treatment record must be:</p> <ul style="list-style-type: none"> accurate legible (if handwritten) <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 155 6.1 | State how to deal with unused pesticide plugs and packaging | Candidate to explain one method of dealing with unused pesticide plugs and packaging | <p>Explanation may include:</p> <ul style="list-style-type: none"> careful return to packaging return to temporary mobile store return to fixed store packaging thoroughly emptied placed in secure storage until disposal collected by licence waste disposal contractor <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 155 6.2 | State how to clean application equipment | Candidate to explain what factors that need to be considered when cleaning the application equipment | <p>Explanation to include at least four of the following points:</p> <ul style="list-style-type: none"> select and use correct PPE selection of an appropriate site for cleaning the applicator clean the applicator following product information and manufacturer's recommendations safe disposal of contaminated waste in an appropriate manner following good practice safe procedures followed <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 155 6.3 | State how to store application equipment | Candidate to describe three factors to consider when storing the application equipment | <p>May include:</p> <ul style="list-style-type: none"> ensure the applicator is clean inspect for wear or damage replace any worn or damaged parts lubricate if required store in a secure area <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Unit 156 - Operating Hand held Pesticide Injection Equipment (PA6INJ)

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|-------------|-------|-------|-------------|-----------|
| Candidate A | Name: | Date: | Start Time: | Duration: |
| Candidate B | Name: | Date: | Start Time: | Duration: |
| Candidate C | Name: | Date: | Start Time: | Duration: |
| Candidate D | Name: | Date: | Start Time: | Duration: |

| CRITERIA NUMBER | ASSESSMENT CRITERIA | ASSESSOR GUIDANCE | ASSESSMENT ACTIVITIES | CANDIDATE | | | |
|-----------------|---|---|--|--------------------------|--------------------------|--------------------------|--------------------------|
| | | | | A | B | C | D |
| Unit 156 1.1 | Describe the legal requirements relating to applying pesticides using injection equipment | <p>Candidate to describe two operator's obligations in terms of legal requirements</p> <p>Candidate to state two legal requirements when applying pesticides to or near water</p> | <p>May include:</p> <ul style="list-style-type: none"> comply with The Plant Protection Products (Sustainable Use) Regulations 2012 the operator must hold the appropriate certification for the equipment they are using <p>Both required:</p> <ul style="list-style-type: none"> ensure the pesticide has aquatic approval seek environmental agency approval <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 156 1.2 | Describe how to inject pesticides safely following industry best practice | <p>Candidate to describe one operator safety regulation in terms of using pesticide injection equipment</p> <p>Candidate to describe the method for injecting the target</p> <p>Define the term to or near water</p> <p>Candidate to state four examples</p> <p>Describe two operator safety considerations in terms of using hand held pedestrian equipment in the aquatic environment</p> | <p>May include:</p> <ul style="list-style-type: none"> comply with Pesticide Codes of Practice adopt industry best practice be aware of any safety implications imposed by Risk/COSHH Assessment and comply with the requirements <p>May include:</p> <ul style="list-style-type: none"> injection site on plant/target growth stage time of year marking system to avoid misses/overdosing <p>May include the following:</p> <ul style="list-style-type: none"> wet or dry ditches drainage channels streams rivers canals ponds lakes/lochs reservoirs and areas immediately adjacent <p>May include:</p> <ul style="list-style-type: none"> check bank stability before applying availability of a second person on site availability of life ring/rescue devices <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 156 2.1 | Identify risks to the environment | Candidate to identify all relevant risks to the environment for the application site | <p>May include the following:</p> <ul style="list-style-type: none"> water courses drains boreholes environmental margins/strips/areas wildlife non-target plants conservation areas leaving hazardous standing dead wood sensitive crops/areas hedgerows housing public access | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Continued | | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| CRITERIA NUMBER | ASSESSMENT CRITERIA | ASSESSOR GUIDANCE | ASSESSMENT ACTIVITIES | CANDIDATE | | | |
|------------------------------------|---|---|--|--------------------------|--------------------------|--------------------------|--------------------------|
| | | | | A | B | C | D |
| Cont... Unit 156 2.1 | | Candidate to state three additional risks to the aquatic environment (unless already covered elsewhere) | <ul style="list-style-type: none"> livestock drinking points recreational use of water body/course water extraction points de-oxygenation of water removal of fish cover removal of bankside wildlife habitat removal of bankside vegetation leading to bank erosion other risks particular to the site <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 156 2.2 | Explain how to minimise risks to the environment | Candidate to explain how to minimise the risks identified in 2.1 | <p>May include:</p> <ul style="list-style-type: none"> suitable mixing/filling site chosen permission sought from appropriate regulatory body (if required) use an appropriate pesticide (minimal environmental impact) careful timing of application check and maintain application rate erect warning signs notify neighbours before application work in an upstream direction check weather suitability before treatment check downstream uses before treatment seek environmental agency approval exclude livestock <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 156 3.1 Unit 156 3.2 | Read product information Interpret product information | <p>The candidate is required to read and interpret the information on a product label and provide relevant information as requested by the Assessor</p> <p>Note to the Assessor: A product label is required. It is expected that the candidate will provide the product label</p> <p>The label provided must be for a currently approved product and appropriate to the candidates normal work situation</p> <p>Note to the Candidate (Assessor also to note): It is acceptable for key information on the label to be highlighted for use during the assessment</p> | <p>The following to be tested:</p> <ul style="list-style-type: none"> product name active substance(s) (ingredient(s)) <p>Important information:</p> <ul style="list-style-type: none"> field of use target maximum individual dose maximum total dose <p>May include the following:</p> <ul style="list-style-type: none"> specific product precautions/warnings operator protection environmental protection restrictions on use <p>Crop specific information:</p> <ul style="list-style-type: none"> target dose rate dilution rate if applicable timing <p>Mixing and spraying:</p> <ul style="list-style-type: none"> filling additional label information <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 156 4.1 | Identify and select equipment according to application requirements | <p>Candidate to identify and explain the use of two types of needle (if applicable)</p> <p>Note to the Assessor: One of these should be the needle intended for use (if applicable)</p> | <p>May include:</p> <ul style="list-style-type: none"> long needle for initial treatment or thicker stems short needle for repeat treatment or thinner stems <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| CRITERIA NUMBER | ASSESSMENT CRITERIA | ASSESSOR GUIDANCE | ASSESSMENT ACTIVITIES | CANDIDATE | | | |
|-----------------|---|--|--|--------------------------|--------------------------|--------------------------|--------------------------|
| | | | | A | B | C | D |
| Unit 156 4.2 | Carry out pre use checks to the applicator | Candidate to carry out all pre-use checks relevant to the applicator being used for the assessment Fit the required needle for use (if applicable) Candidate to check needle condition | Applicator components to be inspected for serviceability and contamination that may include: <ul style="list-style-type: none"> tank/bottle/container lid filters hoses connections seals on/off control straps To include: <ul style="list-style-type: none"> applicator checked for leaks any problems identified to be rectified if within operators level of responsibility and ability condition confirmed as suitable for operation To include: <ul style="list-style-type: none"> suitable needle selected needle fitted correctly To include: <ul style="list-style-type: none"> needle undamaged <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 156 4.3 | Calibrate the applicator | The candidate is required to calibrate the applicator and record relevant data Candidate to record relevant calibration data | Calibration to include: <ul style="list-style-type: none"> delivery rate checked against applicator setting and required volume Calibration data may include: <ul style="list-style-type: none"> applicator used needle fitted applicator setting pesticide used <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 156 4.4 | Calculate quantities required | Candidate to calculate quantities required for the targets to be treated and a full tank/bottle/container | May include: <ul style="list-style-type: none"> amount of water required for specified targets amount of pesticide required for specified targets amount of pesticide required for full tank/bottle/container <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 156 5.1 | Measure the pesticide, mix with water and fill the applicator and/or attach pesticide container | Candidate to measure and add quantities required for the area specified in 4.4 Note: This may be a simulated pesticide product supplied by the Assessor | To include all of the following: <ul style="list-style-type: none"> correct selection and use of PPE (as required by the product information and/or COSHH Assessment) suitable site selected observance of pesticide manufacturers instructions for mixing correct use of water supply accurate measurement of water accurate measurement of pesticide avoidance of spillage and/or <ul style="list-style-type: none"> attach pesticide container <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 156 5.2 | Demonstrate safe and accurate injection procedures | The candidate is required to treat the targets in 4.4 demonstrating safe and accurate injection procedures | To include: <ul style="list-style-type: none"> targets clearly identified targets treated avoiding misses and overdosing awareness of changing weather conditions and appropriate action taken (if applicable) <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| CRITERIA NUMBER | ASSESSMENT CRITERIA | ASSESSOR GUIDANCE | ASSESSMENT ACTIVITIES | CANDIDATE | | | |
|-----------------|---|--|--|--------------------------|--------------------------|--------------------------|--------------------------|
| | | | | A | B | C | D |
| Unit 156 5.3 | Carry out all activities protecting human health and the environment | Note to the Assessor: The Assessor to be satisfied that the candidate has carried out all activities protecting human health and that of the environment | To include: <ul style="list-style-type: none"> prevention of personal injury and contamination through correct selection and use of PPE (as required by the product information, COSHH/ Risk Assessment) prevention of public/bystander contamination safe filling procedure avoidance of off target application/contamination avoidance of over dosing/under dosing target/plant material <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 156 5.4 | Complete a treatment record | The candidate is required to complete a treatment record Note to the Assessor: The treatment record must be approved by the Assessor (or supplied by the Assessor if necessary) | Completion of the treatment record must be: <ul style="list-style-type: none"> accurate legible (if handwritten) <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 156 6.1 | Explain how to manage surplus pesticide and dispose of waste material | Candidate to explain one method of managing surplus concentrate pesticide Candidate to explain one method of dealing with waste containers and packaging Candidate to explain two methods of managing surplus dilute pesticides (if applicable) | Explanation may include: <ul style="list-style-type: none"> return to temporary mobile store return to fixed store Containers: <ul style="list-style-type: none"> triple rinsed if applicable placed in secure storage until disposal returned to supplier collected by a licensed waste disposal contractor packaging thoroughly emptied placed in secure storage until disposal Explanation may include: <ul style="list-style-type: none"> use on another approved target treated by specialist treatment facility on site (e.g. a lined bio bed) collected by a licensed waste disposal contractor <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 156 6.2 | Explain how to clean the injection equipment | Candidate to explain four factors that need to be considered when cleaning the injection equipment | May include: <ul style="list-style-type: none"> select and use correct PPE selection of an appropriate site for cleaning the applicator triple rinse the applicator following product information recommendations thorough flushing of system safe disposal of contaminated washings in an appropriate manner following good practice safe procedures followed <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 156 6.3 | Explain how to store the injection equipment | Candidate to describe three factors to consider when storing the injection equipment | May include: <ul style="list-style-type: none"> ensure the injection equipment is clean and dry inspect for wear or damage repair or notify supervisor if not within operators level of responsibility and ability lubricate if required needle covered/removed to protect operator store in a secure area store under cover and out of direct sunlight <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Unit 157 - Operating other Hand Held Applicators Requiring Minimal Calibration (PA6MC)

| | | | | |
|--------------------|-------|-------|-------------|-----------|
| Candidate A | Name: | Date: | Start Time: | Duration: |
| Candidate B | Name: | Date: | Start Time: | Duration: |
| Candidate C | Name: | Date: | Start Time: | Duration: |
| Candidate D | Name: | Date: | Start Time: | Duration: |

| CRITERIA NUMBER | ASSESSMENT CRITERIA | ASSESSOR GUIDANCE | ASSESSMENT ACTIVITIES | CANDIDATE | | | |
|-------------------------|--|--|---|--------------------------|--------------------------|--------------------------|--------------------------|
| | | | | A | B | C | D |
| Unit 157 1.1 | Describe the legal requirements relating to applying pesticides using hand held equipment | <p>Candidate to describe one operator's obligation in terms of legal requirements</p> <p>Candidate to state two legal requirements when applying pesticides to or near water</p> | <p>May include:</p> <ul style="list-style-type: none"> • comply with The Plant Protection Products (Sustainable Use) Regulations 2012 • the operator must hold the appropriate certification for the equipment they are using <p>Both required:</p> <ul style="list-style-type: none"> • ensure the pesticide has aquatic approval • seek environmental agency approval <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 157 1.2 | Describe how to apply pesticides safely using hand held equipment following industry best practice | <p>Candidate to describe one operator safety regulation in terms of using hand held pedestrian equipment</p> <p>Candidate to describe the differences in technique for overall treatment and spot treatment (if applicable)</p> <p>Three required for each technique</p> <p>Define the term to or near water</p> <p>Candidate to state four examples</p> <p>Describe two operator safety considerations in terms of using hand held pedestrian equipment in the aquatic environment</p> | <p>May include;</p> <ul style="list-style-type: none"> • comply with Pesticide Codes of Practice • adopt industry best practice • be aware of any safety implications imposed by Risk/COSHH Assessment and comply with the requirements <p>Overall treatment includes:</p> <ul style="list-style-type: none"> • consistent walking speed • regular pumping to maintain constant pressure • consistent nozzle height • accurate on/off points • matching of bouts • avoidance of off target application <p>Spot treatment includes:</p> <ul style="list-style-type: none"> • use of a suitable nozzle • maintaining a suitable height • timed treatment • avoidance of under/over dosing • avoidance of off target application <p>May include the following:</p> <ul style="list-style-type: none"> • wet or dry ditches • drainage channels • streams • rivers • canals • ponds • lakes/lochs • reservoirs • and areas immediately adjacent <p>May include:</p> <ul style="list-style-type: none"> • check bank stability before applying • availability of a second person on site • availability of life ring/rescue devices <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| CRITERIA NUMBER | ASSESSMENT CRITERIA | ASSESSOR GUIDANCE | ASSESSMENT ACTIVITIES | CANDIDATE | | | |
|-----------------|--|---|--|--------------------------|--------------------------|--------------------------|--------------------------|
| | | | | A | B | C | D |
| Unit 157 2.1 | Identify risks to the environment | <p>Candidate to identify all relevant risks to the environment for the application site</p> <p>Candidate to state three additional risks to the aquatic environment (unless already covered elsewhere)</p> | <p>May include the following:</p> <ul style="list-style-type: none"> ground conditions water courses drains boreholes environmental margins/strips/areas wildlife non-targets sensitive crops/areas hedgerows housing public access livestock drinking points recreational use of water body/course water extraction points de-oxygenation of water removal of fish cover removal of bankside wildlife habitat removal of bankside vegetation leading to bank erosion other risks specific to the site <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 157 2.2 | Explain how to minimise risks to the environment | <p>Candidate to explain how to minimise the risks identified in 2.1</p> <p>Candidate to check and comment on wind speed and direction</p> <p>Candidate to state the reason for minimising off target application and spray drift</p> <p>Candidate to state five factors that may affect spray drift (if applicable)</p> <p>Candidate to state two factors that may affect off target application (if applicable)</p> | <p>Explanation to include the following points:</p> <ul style="list-style-type: none"> use of an appropriate pesticide (minimal environmental impact) careful timing of application check and maintain application rate avoid spray drift avoid off target application observe buffer zones erect warning signs notify neighbours before application work in an upstream direction check weather suitability before treatment check downstream uses before treatment seek environmental agency approval exclude livestock use of anemometer at suitable height or visible signs wind direction avoidance of contamination to people and the environment <p>May include:</p> <ul style="list-style-type: none"> weather conditions direction of spraying nozzle type and size (if applicable) pressure (if applicable) disc type disc speed nozzle/disc height forward speed defective equipment <p>May include:</p> <ul style="list-style-type: none"> wick too low wick over saturated and dripping <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| CRITERIA NUMBER | ASSESSMENT CRITERIA | ASSESSOR GUIDANCE | ASSESSMENT ACTIVITIES | CANDIDATE | | | |
|-----------------|--|--|--|--------------------------|--------------------------|--------------------------|--------------------------|
| | | | | A | B | C | D |
| Unit 157 4.2 | Identify any controls or components applicable to the applicator | Candidate to identify all components and controls relating to the applicator being used for the assessment | May include: <ul style="list-style-type: none"> tank pump on/off filters nozzle(s)/disc(s)/distribution system other components/controls specific to the applicator <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 157 4.3 | Calibrate the applicator and record relevant data | The candidate is required to calibrate the applicator and record relevant data Candidate to record relevant calibration data | Calibration may include: <ul style="list-style-type: none"> calculation of water volume rate check water volume rate against product information recommendations flow rate adjusted to distribution system Calibration data may include: <ul style="list-style-type: none"> applicator used walking speed nozzle(s) fitted (swath width if appropriate) disc(s) fitted (swath width if appropriate) pressure setting wick priming time <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 157 4.4 | Measure and calculate the area/target to be treated | Candidate to calculate the area/target to be treated | To include: <ul style="list-style-type: none"> Accurate calculation of area/target <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 157 4.5 | Calculate the quantities of pesticide and water required, if applicable | Candidate to calculate quantities required for the area calculated in 4.4 and full tank | To include if applicable: <ul style="list-style-type: none"> amount of water required for specified area amount of pesticide required for specified area amount of pesticide required for full tank/container <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 157 5.1 | Measure the required quantities and add to the applicator, or attach pesticide container | Candidate to measure and add quantities required for the area/target specified in 4.4 or attach pesticide container | To include all of the following: <ul style="list-style-type: none"> correct selection and use of PPE(as required by the product label, COSHH/Risk Assessment) suitable site selected add product following product recommendations and approved procedures correct use of water supply accurate measurement of water accurate measurement of pesticide avoidance of spillage or <ul style="list-style-type: none"> attach pesticide container <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 157 5.2 | Demonstrate safe and accurate application procedures | The candidate is required to treat the area/target in 4.4 demonstrating safe and accurate application procedures | May include: <ul style="list-style-type: none"> treatment area/target clearly identified walking speed maintained accurate switch on/off points accurate matching of bouts obstacles dealt with correctly (if applicable) walking direction area treated minimising overlaps and misses awareness of changing weather conditions and appropriate action taken (if applicable) <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

| CRITERIA NUMBER | ASSESSMENT CRITERIA | ASSESSOR GUIDANCE | ASSESSMENT ACTIVITIES | CANDIDATE | | | |
|-----------------|---|---|--|--------------------------|--------------------------|--------------------------|--------------------------|
| | | | | A | B | C | D |
| Unit 157 5.3 | Carry out all activities protecting human health and the environment | Note to the Assessor: The Assessor to be satisfied that the candidate has carried out all activities protecting human health and that of the environment | To include: <ul style="list-style-type: none"> prevention of personal injury and contamination through correct selection and use of PPE (as required by the product information, COSHH/Risk Assessment) prevention of public/bystander contamination safe filling procedure avoidance of off target application avoidance of over dosing/under dosing crop/target/plant material <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 157 5.4 | Complete a treatment record | The candidate is required to complete a treatment record Note to the Assessor: the treatment record must be approved or if necessary supplied by the Assessor | Completion of the treatment record must be: <ul style="list-style-type: none"> accurate legible (if handwritten) <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 157 6.1 | Explain how to manage surplus pesticide and dispose of waste material | Candidate to explain one method of managing surplus concentrate pesticide Candidate to explain one method of dealing with waste containers or packaging Candidate to explain two methods of managing surplus dilute pesticides | Explanation may include: <ul style="list-style-type: none"> return to temporary mobile store return to fixed store Containers: <ul style="list-style-type: none"> triple rinsed placed in secure storage until disposal returned to supplier collected by licensed waste contractor Packaging: <ul style="list-style-type: none"> thoroughly emptied placed in secure storage until disposal collected by licensed waste disposal contractor Explanation may include: <ul style="list-style-type: none"> back on to area/target as long as it is below the maximum dose rate use on another approved area/target treated by specialist treatment facility on site (e.g. a lined bio bed) collected by a licensed waste disposal contractor <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 157 6.2 | Explain how to clean and decontaminate the applicator | Candidate to explain four factors that need to be considered when cleaning the applicator | May include: <ul style="list-style-type: none"> select and use correct PPE selection of an appropriate site for cleaning the applicator triple rinse the applicator following product information recommendations through flushing of system safe disposal of contaminated washings in an appropriate manner following good practice safe procedures followed <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Unit 157 6.3 | Describe the storage requirements for the applicator | Candidate to describe three factors to consider when storing the sprayer/applicator | May include: <ul style="list-style-type: none"> de-pressurisation ensure the sprayer/applicator is clean and dry inspect for wear or damage replace any worn or damaged parts lubricate if required frost protection measures implemented store securely store under cover and out of direct sunlight <p style="text-align: right;">Met ✓ Not Met X</p> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Summary of Assessment (The Assessor is to complete the following as appropriate)

| | | | | |
|-------------|---|---------------------------------------|---|---------------------------------------|
| Candidate A | Candidate has met all of the assessment criteria | Tick ✓ <input type="checkbox"/> | The Candidate has not met all of the assessment criteria; (state reason(s)) | Tick ✓ <input type="checkbox"/> |
| | Signed: | | Date: | |

| | | | | |
|-------------|---|---------------------------------------|---|---------------------------------------|
| Candidate B | Candidate has met all of the assessment criteria | Tick ✓ <input type="checkbox"/> | The Candidate has not met all of the assessment criteria; (state reason(s)) | Tick ✓ <input type="checkbox"/> |
| | Signed: | | Date: | |

| | | | | |
|-------------|---|---------------------------------------|---|---------------------------------------|
| Candidate C | Candidate has met all of the assessment criteria | Tick ✓ <input type="checkbox"/> | The Candidate has not met all of the assessment criteria; (state reason(s)) | Tick ✓ <input type="checkbox"/> |
| | Signed: | | Date: | |

| | | | | |
|-------------|---|---------------------------------------|---|---------------------------------------|
| Candidate D | Candidate has met all of the assessment criteria | Tick ✓ <input type="checkbox"/> | The Candidate has not met all of the assessment criteria; (state reason(s)) | Tick ✓ <input type="checkbox"/> |
| | Signed: | | Date: | |

For use by Internal Verifier ONLY if the assessment process was internally verified
(Internal Verifier to complete ONE of the boxes below)

| | |
|---|---------------------------------------|
| I observed an assessment process taking place and I am satisfied that the assessment was conducted in line with the qualification requirements. | Tick ✓ <input type="checkbox"/> |
| I observed an assessment process taking place. The following were noted as areas of concern. | Tick ✓ <input type="checkbox"/> |
| Signed: | |
| Date: | |