## 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)

Total Qualification Time (TQT)		60
Recommended Assessment Duration		1.5 – 3 hours per Candidate
Pre-Requisite Units	101	Principles of Safe Handling and Application of Pesticides (PA1)

Change detail	Section
Added TQT details Deleted QCF / Learning Time	Qualification at a glance, Structure
	Throughout
GLH & TQT clarified and highlighted	Qualification at a glance
City & Guilds Address updated	Pg 6
	Added TQT details Deleted QCF / Learning Time GLH & TQT clarified and highlighted

### 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 (PA	6A)	(Optional)	(Credit Value 3)	(Print pages 7 – 11 plus 39)
	Outcome 1. Outcome 2. Outcome 3. Outcome 4. Outcome 5. Outcome 6.	Be able to assess Be able to read ar Be able to prepare Be able to operate	the environmental factors relat ind interpret product information	lestrian applicator (Criteria 4.1 – 4.6) Criteria 5.1 – 5.4)
Unit 152 (PA	6AW)	(Optional)	(Credit Value 3)	(Print pages <b>12 – 17</b> plus <b>39</b> )
	Outcome 1. Outcome 2. Outcome 3. Outcome 4. Outcome 5. Outcome 6.	Be able to assess Be able to read ar Be able to prepare Be able to operate	the environmental factors relat ind interpret product information	lestrian applicator (Criteria 4.1 – 4.6) Criteria 5.1 – 5.4)
Unit 153 (PA	6G)	(Optional)	(Credit Value 3)	(Print pages <b>18 – 21</b> plus <b>39</b> )
	Outcome 1. Outcome 2. Outcome 3. Outcome 4. Outcome 5. Outcome 6.	Be able to assess Be able to read ar Be able to prepare Be able to operate	the environmental factors relat ind interpret product information	lestrian applicator <b>(Criteria 4.1 – 4.6)</b> - 5.4)
Unit 154 (PA	6GW)	(Optional)	(Credit Value 3)	(Print pages <b>22 – 26</b> plus <b>39</b> )
	Outcome 1. Outcome 2. Outcome 3. Outcome 4. Outcome 5. Outcome 6.	Be able to assess Be able to read ar Be able to prepare Be able to operate	the environmental factors relat ad interpret product information	lestrian applicator (Criteria 4.1 – 4.6) - 5.4)

Unit 155 (PA6PP)	(Optional)	(Credit Value 3)	(Print pages <b>27 – 29</b> plus <b>39</b> )
Outcome 1. Outcome 2. Outcome 3. Outcome 4. Outcome 5. Outcome 6.	Be able to ass Be able to rea Be able to pre <b>4.3)</b> Be able to inst	ess the environmental factor d and interpret product inforr pare pesticide plug application tall pesticide plugs (Criteria	on equipment and calculate numbers of plugs required (Criteria 4.1 –
Unit 156 (PA6INJ)	(Optional)	(Credit Value 3)	(Print pages <b>30 – 33</b> plus <b>39</b> )
Outcome 1. Outcome 2. Outcome 3. Outcome 4. Outcome 5. Outcome 6.	Be able to ass Be able to rea Be able to pre Be able to inje	ess the environmental factor d and interpret product inform pare and calibrate the pestic ect pesticide (Criteria 5.1 –	ide injection equipment (Criteria 4.1 – 4.4)
Unit 157 (PA6MC)	(Optional)	(Credit Value 3)	(Print pages <b>34 – 39</b> )
Outcome 1. Outcome 2. Outcome 3. Outcome 4. Outcome 5. Outcome 6.	Be able to ass Be able to rea Be able to pre Be able to ope	ess the environmental factor d and interpret product inforr pare and calibrate a hand he erate the application equipme	eld applicator (Criteria 4.1 – 4.5)

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  $\square$  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 assessme	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 to 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 <u>may not</u> 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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## Unit 151 - Operating Pedestrian Hand Held Applicators fitted with Hydraulic Nozzles or Rotary Atomisers to Apply Pesticides to Land (PA6A)

Candidate	A Nam	ie:		Date:		Start Time:	Dura	ation	1:		
Candidate	B Nam	ie:		Date:		Start Time:	Duration:				
Candidate	C Nam	1e:		Date:		Start Time:	Dura	ation	): 		
Candidate	D Nam	ie:		Date:		Start Time:	Dura	ation	1:		
CRITERIA NUMBER		ASSESSMENT ASSESSOR CRITERIA GUIDANCE				SSESSMENT ACTIVITIES		C. A	AND B	IDA1 C	TE D
Unit 151 1.1		nts relating to esticides using pedestrian	Candidate to <b>describe two</b> operator's obligations in terms of legal requirement	•	complies with lea comply with The (Sustainable Use the operator mus	ds are in place and equipn gal requirements Plant Protection Products e) Regulations 2012 st hold the appropriate he equipment they are usir					
						Met√ No	t Met X				
Unit 151 1.2		following	Candidate to <b>describe on</b> operator safety regulation terms of using hand held pedestrian equipment		adopt industry be be aware of any	ticides Codes of Practice est practice safety implications impos sessment and comply wit					
			Candidate to <b>describe</b> the differences in technique fo overall treatment and spot treatment	r 🖕	erall treatment inclu consistent walkir regular pumping consistent nozzle accurate on/off p matching of bout	ng speed to maintain constant press e height oints	sure				
			Three required for each technique	Sp • •	ot treatment include use of a suitable maintaining a su timed treatment avoidance of unc	es: nozzle itable height	t Met X				
Unit 151 2.1	Identify risk environmer		Candidate to <b>identify all</b> relevant risks to the environment for the application site	Ma • • • •	y include the follow ground condition water courses drains boreholes environmental m wildlife non-target plants sensitive crops/a hedgerows housing public access other risks partic	s argins/strips/areas reas	t Met X				

		ASSESSOR	ASSESSMENT				_
NUNDER				Α	В	С	D
Unit 151	risks to the environment	minimise the risks identified					
		in <b>2.1</b>					
2.2			avoid off target application				
			observe buffer zones				
			inform neighbours				
			erect warning signs				
			use an appropriate pesticide (minimal				
		Candidate to <b>state</b> the reason for minimising spray drift or off target application	avoidance of contamination to people and the environment				
		Candidate to <b>check</b> and <b>comment</b> on wind speed and	• use of an anemometer at suitable height or visual signs				
		direction	wind direction				
		Candidate to <b>state five</b>	May include:				
		factors that affect spray drift					
			nozzle height				
	Interpret product						
	Dead and deat information						
Unit 151	Read product information		-				
3.1	Interpret product information	information on a product label and provide <b>relevant</b>	<ul> <li>product name</li> <li>active substance(s) (ingredient(s))</li> </ul>				
Unit 151		information as requested by the Assessor	Important information:		_		
3.2							
		will provide the product label	maximum total dose				
		The lebel provided south be	<ul> <li>maximum number of treatments</li> </ul>				
		TERIA       GUIDANCE       ACTIVITIES         to minimise privinonment       Candidate to explain how to minimise the risks identified in 2.1       Explanation may include the followin avoid spray drift       Explanation may include the followin avoid spray drift         candidate to state the reason for minimising spray drift or of target application       e observe buffer zones       inform neighbours         candidate to state the reason for minimising spray drift or of target application       a avoidance of contamination to environmental impact)         candidate to state five factors that affect spray drift       a voidance of contamination to environment         Candidate to state five factors that affect spray drift       use of an anemometer at suite signs         candidate to state five factors that affect spray drift       wind direction         Candidate to state five factors that affect spray drift       weather conditions         candidate to state five factors that affect spray drift       weather conditions         duct       The candidate is required to read and interpret the information as requested by the Assessor       To include the following:         the candidate spray drift       maximum number of treatmen         triel ab provided must be for a currently approved product tabel is required table; suceptable for key information on the label to be highlighted for use during the assessment       To include the following:         tell       the Candidate (Assessor also to note): It is normation o	May include the following:				
		situation					
		Note to the Candidate					
					_		_
		0 0					
			• timing				
			Mixing and spraying:	1			
			reduced volume applications (if applicable)				
			recommended nozzles				
	MBEER         CRITERIA         GUIDANCE         ACTIVITIES           Image: State in the out-information fields to it the environment fields to the environment fields to the environment in 2.1         Candidate to explain how to information fields the idlowing points: <ul> <li>avoid spruy dift</li> <li>avoid of target application rate</li> <li>avoid spruy dift</li> <li>av</li></ul>						
			Mat / Nat Mat V	11 1	11	п 1	11

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	C. A	AND B	IDA C	TE D
	Carry out pre use checks	Candidate to carry out all	To include:				
Unit 151 4.1	to the sprayer/applicator	the sprayer/applicator being used for the assessment	Sprayer/applicator components to be inspected for				
			<ul> <li>tank</li> </ul>				
			CE       ACTIVITIES       A         rout all tor being sment       To include:       Image: Sprayer/applicator de-pressurised       Image: Sprayer/applicator components to be inspected for serviceability and contamination that may include:       Image: Sprayer/applicator components to be inspected for serviceability and contamination that may include:       Image: Sprayer/applicator components to be inspected for serviceability and contamination that may include:       Image: Sprayer/applicator components to be inspected for serviceability and contamination that may include:       Image: Sprayer/applicator components to be inspected for serviceability and control       Image: Sprayer/applicator components to be inspected for serviceability and control       Image: Sprayer/applicator components to be inspected for serviceability and serviceable)       Image: Sprayer/applicator components to be inspected for serviceability and specific to be rectified if within operators level of responsibility and ability       Image: Sprayer/applicator components to be inspecific to the rectified if within operators level of responsibility and ability       Image: Sprayer/applicator components         ifly and two types       Image: Sprayer/applicator components       Image: Sprayer/applicator components       Image: Sprayer/applicator components         ssor: One the nozzle       Image: Sprayer/applicator on medium/coarse spray quality. Good drift reduction properties       Image: Sprayer/applicator coarse spray quality. Good drift reduction properties       Image: Sprayer/applicator coarse spray quality.       Image: Sprayer/applicator coarse spray quality.       Image: Sprayer/applicator coarse spray quality. <td< td=""><td></td><td></td><td></td></td<>				
			• filters				
			hoses				
			connections				
			• seals				
			on/off control	A       B         r de-pressurised                                 nponents to be inspected for amination that may include:			
			GUIDANCE       ACTIVITIES       A       B         chocks rolevant to evideplicator being the assessment       To include:				
		CUIDANCE         ACTIVITIES         A         B           Candidate to carry out all the sprayer/applicator being used for the assessment         To include:         Sprayer/applicator components to be inspected for serviceability and contamination that may include:         I         I           Candidate to part fill the sprayer/applicator components to be inspected for serviceability and contamination that may include:         I         I           Candidate to part fill the sprayer/applicator components (f applicable)         I         I         I           Candidate to part fill the sprayer/applicator and check for satisfactory operation         I         I         I         I           Candidate to identify and explain the use of two types of nozzle         I         I         I         I         I           Note to the Assessor: One of these should be the nozzle intended for use         I         I         I         I         I         I           Fit the required nozzle for use and select the correct pressure         I <t< td=""><td></td><td></td><td></td></t<>					
			GUIDANCE         ACTIVITIES         A           miditate to cargo yout all super schedular to being ed for the assessment         To include: sprayer/applicator components to be inspected for serviceability and contamination that may include:         I           is approximation being ed for the assessment         To include: sprayer/applicator components to be inspected for serviceability and contamination that may include:         I           is tank         I         III         IIII         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII				
			To include:	IDES       A       B       C         assurised			
			sprayer/applicator checked for leaks under				
		-	ACTIVITIES         include:         sprayer/applicator de-pressurised         rayer/applicator components to be inspected for         viceability and contamination that may include:         tank         lid         filters         hoses         connections         seals         on/off control         lance         straps         pump, visual assessment only         batteries (if applicable)         engine (if applicable)         include:         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         Met        Not Met X         deflector - 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         include:         nozzle inteat correctly <td></td> <td></td> <td></td> <td></td>				
		GUIDANCE         ACTIVITIES         A           ar         Candidate to carry out all pre-use checks relevant to the sprayer/applicator de-pressurised Sprayer/applicator components to be inspected for serviceability and contamination that may include:         I           ark         I         Sprayer/applicator de-pressurised Sprayer/applicator components to be inspected for serviceability and contamination that may include:         I           ark         I         III         IIII           serviceability and contamination that may include:         I         IIII           arak         IIII         IIII         IIIII           arak         IIIII         IIIIIIIII         IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII					
				A         B         C           d              inspected for may include:			
		One distants in identificants					
Unit 151	pressure and select nozzles according to	explain the use of two types	deflector - medium/coarse spray quality.     Generally used to apply herbicides				
4.2	application requirements	of these should be the nozzle					
		ihe sprayer/applicator being used for the assessment       Sprayer/applicator components to be sprayer/applicator components to be sprayer/applicator and filters         Idid	To include:				
		procedie					
			correct pressure selected				
			To include:				
			nozzle undamaged				
			<ul> <li>correct spray pattern for nozzle</li> </ul>	A       B       C         sed   <td></td> <td></td>			
			Met ✓ Not Met X				
	Calibrate the	CRITERIA         GUIDANCE           put pre use checks         Candidate to carry out all pre-use checks relevant to the sprayer/applicator being used for the assessment         To •           sr         Candidate to part fill the sprayer/applicator and check for satisfactory operation         To •           r suitable operating re and select s according to tho 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 s according to tho requirements         •         •           Fit the required nozzle for use and select the correct pressure         •         •           Candidate to check nozzle intended for use         •         •           •         •         •         •           •         •         •         •           •         •         •         •           •         •         •         •           •         •         •         •           •         •         •         •           •         •         •         •           •         •         •         •           •         •         •         •					
Unit 151	ER       CRITERIA         51       Carry out pre use checks to the sprayer/applicator       Carry pressure the use         51       Identify suitable operating pressure and select nozzles according to application requirements       Car exp of r         51       Identify suitable operating pressure and select nozzles according to application requirements       Car exp of r         51       Identify suitable operating pressure and select nozzles according to application requirements       Car exp of r         51       Identify suitable operating pressure and select nozzles according to application requirements       Car exp of r         51       Identify suitable operating pressure and select nozzles according to application requirements       Fit use pre         51       Calibrate the sprayer/applicator and record relevant data       The cal spre         51       Calibrate the sprayer/applicator and record relevant data       The cal spre						
4.3							
		Note to the Assessor: Apy	Information recommendations	A       B       C         a			
		method of calibration may be used providing it is capable of allowing for different walking					
		Candidate to record relevant	ACTIVITIES       A       B       C         To include:       sprayer/applicator components to be inspected for serviceability and contamination that may include:       IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII				
		Particle       - id         • id       • fiters         • inters       • connections         • connections       • seals         • or/off control       -         • lance       -         • or/off control       -         • lance       -         • or/off control       -         • lance       -         • or/off control       -         • any projectator and check for satisfactory operation       -         • operation       -         • conditate to identify and explain the use of two types of these should be the nozzle intended for use       -         • deflector - medium/coarse spray quality. Good drift reduction properties       -         • fan nozzle - fine, medium or coarse spray quality. Suitable for suitable for use       -         • fan nozzle - fine, medium or coarse spray quality. Suitable for insectified and fungicide treatment       -         • fan nozzle - fine, medium or coarse spray quality. Suitable for insectified and fungicide treatment       -         • fan nozzle - fine, medium or coarse spray quality. General purpose       -         • fan nozzle - fine, medium or coarse spray quality. General purpose       -         • fan nozzle - fine, medium or coarse spray quality. General purpose       -         • fan nozzle - fine, medium or coarse spray qua					
	pressure and select       explain the use of of nozzle         application requirements       Note to the Assess of these should be intended for use         Note to the Assess of these should be intended for use       Fit the required no use and select the pressure         Candidate to chec condition and sprausing any approprior       Candidate to chec condition and sprausing any approprior         Calibrate the sprayer/applicator and record relevant data       The candidate is recalibrate the sprayer/applicator and record relevant data         Note to the Assess method of calibrati used providing it is allowing for differe speeds and spray       Candidate to record						
		1					
			nozzie(e) nicea (opia) main appropriate)				
			pressure setting				

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	C A	AND B	IDA <sup>-</sup> C	TE D
Unit 151	Measure the area to be treated	Candidate to <b>measure</b> the area. The Assessor may	To include:				
4.4		assist under direction of the candidate	Accurate measurement of dimensions     Met ✓ Not Met X				
		Note to the Assessor: A rectangular area of approximately 200sq metre is required for the assessment which must involve multiple bouts					
Unit 151	Calculate the area to be treated	Candidate to <b>calculate</b> the area	<ul><li>to include:</li><li>Accurate calculation of area</li></ul>				
4.5			Met ✓ Not Met X				
Unit 151 4.6	Calculate the quantities of pesticide and water required if applicable	Candidate to <b>calculate</b> quantities required for the <u>specified area</u> in <b>4.5</b> and a <u>full tank</u>	To include: • amount of water required for specified area • amount of pesticide required for specified area • amount of pesticide required for full tank Met ✓ Not Met X				
	Measure the required	Candidate to <b>measure</b> and	To include:				
Unit 151 <b>5.1</b>	quantities and add to the sprayer/applicator, or attach pesticide container	add quantities required for the area specified in 4.5 Note: This may be a	<ul> <li>correct selection and use of PPE (as required by the product label and/or COSHH Assessment)</li> <li>observance of pesticide manufacturers</li> </ul>				
		simulated pesticide product supplied by the Assessor	<ul> <li>instructions for mixing sequence and agitation (or other recommended method)</li> <li>suitable site selected</li> <li>clean water supply</li> </ul>				
			<ul> <li>accurate measurement of water</li> <li>accurate measurement of pesticide</li> <li>avoidance of spillage</li> </ul>				
			<ul><li>or</li><li>attach a pesticide container</li><li>return to secure storage</li></ul>				
	Demonstrate opfe and	The condidate is required to	Met ✓ Not Met X				
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	<ul> <li>To include:</li> <li>treatment area clearly identified</li> <li>walking speed maintained</li> <li>accurate switching on/off points</li> <li>accurate matching of bouts</li> <li>obstacles dealt with correctly (if applicable)</li> <li>area treated minimising overlaps and misses</li> <li>awareness of changing weather conditions and appropriate action taken (if applicable)</li> </ul>				
			avoidance of off target application/contamination     Met ✓ Not Met X				
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	<ul> <li>To include:</li> <li>prevention of personal injury and contamination through correct selection and use of PPE (as required by the product information, COSHH and Risk Assessment)</li> <li>prevention of public / bystander contamination</li> <li>safe filling procedure</li> <li>avoidance of spray drift</li> </ul>				
	Quality		<ul> <li>avoidance of off target application/contamination</li> <li>avoidance of over dosing/under dosing crop/target/plant material</li> <li>Met ✓ Not Met X</li> </ul>				
Unit 151	Complete a treatment record	The candidate is required to <b>complete</b> a treatment record	<ul> <li>Completion of the treatment record must be:</li> <li>accurate</li> <li>legible (if handwritten)</li> </ul>				
5.4		Note to the Assessor: The treatment record must be approved by the Assessor (or supplied by the Assessor if necessary)	Met ✓ Not Met X				

CRITERIA	ASSESSMENT	ASSESSOR	ASSESSMENT	C	AND	IDA	TE
NUMBER	CRITERIA	GUIDANCE	ACTIVITIES	Α	В	С	D
Unit 151	Explain how to manage	Candidate to explain one	May include:	_	_		_
Onic 151	surplus pesticide and dispose of waste material	method of dealing with surplus concentrate pesticide	return to temporary mobile store				
6.1			return to fixed store				
		Candidate to explain one	Containers:				
		methods of dealing with	triple rinsed				
		waste containers or packaging	<ul> <li>placed in secure storage until disposal</li> </ul>				
		P	<ul> <li>returned to supplier</li> </ul>				
			collected by a licensed waste disposal contractor				
			Packaging:				
			thoroughly emptied				
			<ul> <li>placed in secure storage until disposal</li> </ul>				
			collected by a licensed waste disposal contractor				
		Candidate to explain two	May include:				
		methods of dealing with	• back on to site as long as it is below the maximum				
		surplus dilute pesticide	dose rate				
			<ul> <li>use on another approved crop/target</li> </ul>				
			<ul> <li>treated by specialist treatment facility on site (e.g. a lined bio bed)</li> </ul>				
			<ul> <li>collected by a licensed waste disposal contractor</li> </ul>				
			Met ✓ Not Met X				
	Explain how to clean and	Candidate to explain four	May include:				
Unit 151	decontaminate the	factors that need to be	<ul> <li>select and use appropriate PPE</li> </ul>				
	sprayer/applicator	considered when cleaning	appropriate site				
6.2		and decontaminating the	<ul> <li>thorough washing with water and suitable</li> </ul>				
		sprayer	cleaning agent (if recommended/required)				
			<ul> <li>internal and external surfaces</li> </ul>				
			• care to ensure contamination 'hot-spots' are clean				
			<ul> <li>thorough flushing of system</li> </ul>				
			<ul> <li>safe disposal of contaminated washings</li> </ul>				
			<ul> <li>when cleaning should take place</li> </ul>				
			<ul> <li>safe procedures followed</li> </ul>				
			Met ✓ Not Met X				
	Describe the storage	Candidate to describe three	May include:				1
Unit 151	requirements for the	factors to consider prior to	ensure the applicator is clean and dry				
6.3	sprayer/applicator	storing the applicator	inspect for wear and damage				
0.0			<ul> <li>replace any worn or damaged parts</li> </ul>				
			<ul> <li>frost protection measures implemented</li> </ul>				
			Iubricate as required				
			<ul> <li>store undercover and out of direct sunlight</li> </ul>				
			store in a secure area				
			Met ✓ Not Met X		$\square$		

# 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:	Dura	ition	1:				
Candidate	B Name:		Date:	Start Time:	Durat		Duration:				
Candidate	C Name:		Date:	Start Time:	Dura	ition	1:				
Candidate	D Name:		Date:	Start Time:	Dura	ition	1:				
CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE		ASSESSMENT ACTIVITIES		C/ A	AND B	IDAT C	TE D		
Unit 152 1.1	Describe the legal requirements relating to applying pesticides to or near water using hand held pedestrian equipment	e the legal     Candidate to describe two       nents relating to     operator's obligations in       pesticides to or     terms of legal requirements       ter using hand held     operator's obligations in		guards are in place and equip th legal requirements The Plant Protection Products e Use) Regulations 2012 r must hold the appropriate for the equipment they are usi posticide has aquatic approval	s						
		pesticides to or near water		nmental agency approval	ot Met X						
Unit 152 1.2	Describe how to apply pesticides safely to or near water using hand held pedestrian equipment following industry best practice	Candidate to <b>describe one</b> operator safety regulation in terms of using hand held pedestrian equipment	<ul> <li>comply with</li> <li>adopt indus</li> <li>be aware of Risk/COSH</li> </ul>	Pesticide Codes of Practice try best practice any safety implications impose H Assessment and comply with the second seco							
		Candidate to <b>describe</b> the differences in technique for overall treatment and spot treatment <b>Three</b> required for each technique	<ul> <li>regular pum</li> <li>consistent n</li> <li>accurate on</li> <li>matching of</li> </ul>	t includes: /alking speed ping to maintain constant pres ozzle height /off points	ssure						
			<ul> <li>maintaining</li> <li>timed treatm</li> <li>avoidance c</li> </ul>	able nozzle a suitable height							
		Define the term to or near water Candidate to <b>state four</b> examples	May include the f wet or dry d drainage ch streams rivers canals ponds lakes/lochs reservoirs and areas in	itches							
		<b>Describe two</b> operator safe considerations in terms of using hand held pedestrian equipment in the aquatic environment	<ul> <li>check bank</li> <li>availability c</li> </ul>	stability before applying of a second person on site of life ring/rescue devices Met ✓ No	ot Met X						

CRITERIA	ASSESSMENT	ASSESSOR	ASSESSMENT	-	AND		_
NUMBER	CRITERIA	GUIDANCE	ACTIVITIES	Α	В	С	D
Unit 152	Identify risks to the aquatic environment	Candidate to <b>identify all</b> relevant environmental risks	May include the following:			_	_
01111152	environment	to the proposed treatment	ground conditions				
2.1		site	• wildlife				
			non-target plants				
			environmental margins/strips/areas				
			hedgerows				
			housing				
			public access				
			sensitive crops/areas				
			water courses				
			• boreholes				
			livestock drinking points				
			<ul> <li>recreational use of water body/course</li> </ul>				
			water extraction points				
			de-oxygenation of water				
			<ul> <li>removal of fish cover</li> </ul>				
			<ul> <li>removal of bankside wildlife habitat</li> </ul>				
			removal of bankside vegetation leading to bank erosion				
			<ul> <li>other risks specific to the site</li> </ul>				
			Met ✓ Not Met X				
	Explain how to minimise	Candidate to <b>explain</b> how to	Explanation may include the following points:				-
Unit 152	risks to the environment	minimise the risks identified	<ul> <li>work in an upstream direction</li> </ul>				
		in <b>2.1</b>	<ul> <li>check weather suitability before treatment</li> </ul>				
2.2			check downstream uses before treatment				
			<ul> <li>seek environmental agency approval</li> </ul>				
			use of an appropriate pesticide (minimal environmental impact)				
			<ul> <li>appropriate timing of treatment</li> </ul>				
			check and maintain application rate				
			<ul> <li>avoid spray drift</li> </ul>				
			avoid off target application				
			exclude livestock				
			erect warning signs				
			inform neighbours				
		Candidate to check and	<ul> <li>use of anemometer at suitable height or visual</li> </ul>				
		comment on wind speed and	signs				
		direction	wind direction				
		Candidate to <b>state</b> the reason for minimising spray drift or off target application	avoidance of contamination to people and the environment, including the aquatic environment				
		Candidate to state five	weather conditions				
		factors that affect spray drift	direction of spraying				
			<ul> <li>nozzle type and size</li> </ul>				
			<ul> <li>pressure</li> </ul>				
			<ul> <li>walking speed</li> </ul>				
			Hozzio Holgin				
			rotary atomiser speed				
			defective equipment				
			Met ✓ Not Met X				

CRITERIA	ASSESSMENT	ASSESSOR	ASSESSMENT	_			_
NUMBER	CRITERIA	GUIDANCE	ACTIVITIES	Α	В	С	D
l Init 150	Read product information	The candidate is required to	To include the following:				_
Unit 152	Interpret product	read and interpret the information on a product label	product name				
3.1	information	and provide relevant	<ul> <li>active substance(s) (ingredient(s))</li> </ul>				
		information as requested by					
3.2		the Assessor	Important information:				
		Note to the Assessor: A	<ul> <li>field of use (aquatic approval)</li> </ul>				
		product label is required. It is	target				
		expected that the candidate	maximum individual dose				
		will provide the product label	maximum total dose				
		The label provided must be	maximum number of treatments				
		for a currently approved product and appropriate to	May include the following:				
		the candidates normal work	<ul> <li>specific product precautions/warnings</li> </ul>				
		situation	<ul> <li>operator protection</li> </ul>				
		Note to the Candidate	environmental protection				
		(Assessor also to note): It is	<ul> <li>restrictions on use</li> </ul>				
		acceptable for key					
		information on the label to be	Crop specific information:		1		1
		highlighted for use during the assessment	target				
			dose rate				
			water volume				
			• timing				
			Mixing and spraying:				
			<ul> <li>filling</li> </ul>				
			<ul> <li>reduced volume applications (if applicable)</li> </ul>				
			recommended nozzles				
			recommended pressure				
			spray quality				
			additional label information				
			compatibility				
			Met ✓ Not Met X				
Unit 152	Carry out pre use checks	Candidate to carry out all pre-use checks relevant to	To include:	_		_	
Unit 152	to the sprayer/applicator	the sprayer/applicator being	<ul> <li>sprayer/applicator de-pressurised</li> </ul>				
4.1		used for the assessment	Sprayer/applicator components to be inspected for				
			serviceability and contamination that may include:				
			• tank				
			• lid				
			• filters				
			hoses				
			connections				
			• seals				
			on/off control				
			lance				
			• straps				
			pump, visual assessment only				
			batteries (if applicable)				
			engine (if applicable)				
		Candidate to part fill the	To include:				
		sprayer/applicator and			1		1
		check for satisfactory	<ul> <li>sprayer/applicator checked for leaks under pressure</li> </ul>				
		operation	<ul> <li>any problems identified to be rectified if within</li> </ul>				
			operators level of responsibility and ability				
			<ul> <li>condition confirmed as suitable for operation</li> </ul>				
	1		· · ·	1	1		
			Met ✓ Not Met X				

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	C A	AND B	IDA C	TE D
Unit 152	Identify suitable operating pressure and select nozzles according to	Candidate to <b>identify</b> and <b>explain</b> the use of <b>two</b> types of nozzle	deflector - medium/coarse spray quality.     Generally used to apply herbicides				
4.2	application requirements	Note to the Assessor: One of these should be the nozzle	air inclusion - medium/coarse spray quality. Good drift reduction properties				
		intended for use	full cone - medium/coarse spray quality. Suitable for spot treatment and spraying around obstacles				
			• fan nozzle - fine, medium or coarse spray quality. General purpose				
		Fit the required nozzle for use and <b>select</b> the correct pressure	To include: • suitable nozzle selected				
			<ul> <li>nozzle fitted correctly</li> <li>correct pressure selected</li> </ul>				
		Candidate to <b>check</b> nozzle condition and spray pattern using any appropriate method	To include: • nozzle undamaged				
		2011 9 cm 9	correct spray pattern for nozzle     Met ✓ Not Met X				
Unit 152	Calibrate the sprayer/applicator and	The candidate is required to calibrate the	Calibration to include:				
4.3	record relevant data	sprayer/applicator and record relevant data Note to the Assessor: Any	<ul> <li>calculation of water volume rate</li> <li>check water volume rate against product information recommendations</li> </ul>				
		method of calibration may be used providing it is capable of allowing for different walking speeds and spray widths					
		Candidate to <b>record relevant</b> calibration data	Calibration data may include:	_			_
		Calibration data	<ul> <li>applicator used</li> <li>walking speed</li> </ul>				
			nozzle(s) fitted (swath width if appropriate)				
			pressure setting				
	Measure the area to be	Candidate to <b>measure</b> the	Met ✓ Not Met X				
Unit 152 4.4	treated	area. The Assessor may assist under direction of the candidate					
		Note to the Assessor: An area of bank/target of approximately 50m length typical of the candidates normal work situation to be used					
Unit 152	Calculate the area to be treated	Candidate to <b>calculate</b> the area	accurate calculation of area				
4.5			Met ✓ Not Met X				
Unit 152	Calculate the quantities of pesticide and water	Candidate to <b>calculate</b> quantities required for the	To include: • amount of water required for specified area				
4.6	required, if applicable	specified area in 4.5 and a full tank	• amount of pesticide required for specified area				
-			amount of pesticide required for full tank				
	Measure the required	Candidate to <b>measure</b> and	Met ✓ Not Met X				
Unit 152 5.1	quantities and add to the applicator, or attach pesticide container	add quantities required for the area specified in 4.5	<ul> <li>correct selection and use of PPE (as required by the product label and/or COSHH Assessment)</li> <li>observance of pesticide manufacturers</li> </ul>				
		Note: This may be a simulated pesticide product supplied by the	<ul> <li>instructions for mixing sequence and agitation (or other recommended method)</li> <li>suitable site selected</li> </ul>				
		Assessor	clean water supply				
			<ul> <li>accurate measurement of water</li> <li>accurate measurement of pesticide</li> </ul>				
			avoidance of spillage				
			<ul> <li>attach a pesticide container</li> </ul>				
			Met ✓ Not Met X				

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	C A	AND B	IDA C	TE
	Demonstrate safe and	The candidate is required to	To include:				-
Unit 152	accurate application	treat the area in 4.5	bankside safety implemented				
5.2	procedures	demonstrating safe and accurate application	<ul> <li>treatment area clearly identified</li> </ul>				
5.2		procedures	<ul> <li>walking speed maintained</li> </ul>				
			<ul> <li>accurate switching on/off points</li> </ul>				
			<ul> <li>accurate matching of bouts</li> </ul>				
			<ul> <li>obstacles dealt with correctly (if applicable)</li> </ul>				
			<ul> <li>area treated minimising overlaps and misses</li> </ul>				E
			<ul> <li>awareness of changing weather conditions and</li> </ul>		_		
			appropriate action taken (if applicable)				
			avoidance of off target application/contamination				
			Met ✓ Not Met X				
Unit 450	Carry out all activities	Note to the Assessor:	To include:				
Unit 152	protecting human health and the environment	Assessor to be satisfied that the candidate has carried out	<ul> <li>prevention of personal injury and contamination through correct selection and use of PPE (as</li> </ul>				
5.3		all activities protecting human	required by the product information, COSHH and				
010		health and the environment	Risk Assessment)				
			prevention of public/bystander contamination				1
			safe filling procedure				
			<ul> <li>avoidance of spray drift</li> </ul>				
			<ul> <li>avoidance of off target application/contamination</li> </ul>				
			<ul> <li>avoidance of over dosing/under dosing</li> </ul>				
			crop/target/plant material				1
			<ul> <li>minimising the impact on the aquatic environment</li> </ul>				
			Met ✓ Not Met X				
	Complete a treatment	The candidate is required to	Completion of the treatment record must be:				╞
Unit 152	record	<b>complete</b> a treatment record.	accurate				
		Note to the Assessment The	<ul> <li>legible (if handwritten)</li> </ul>				
5.4		Note to the Assessor: The treatment record must be					
		approved or if necessary	Met ✓ Not Met X				L
		supplied by the Assessor					
	Explain how to manage	Candidate to explain one	May include:				T
Unit 152	surplus pesticide and	method of dealing with	<ul> <li>return to temporary mobile store</li> </ul>				[
• •	dispose of waste material	surplus concentrate pesticide	return to fixed store				[
6.1		Candidate to explain two	Containers:				
		methods of dealing with	triple rinsed				
		waste containers or	<ul> <li>placed in secure storage until disposal</li> </ul>				
		packaging	<ul> <li>returned to supplier</li> </ul>				
			collected by a licensed waste disposal contractor				
			Packaging:		_	_	Ι.
			thoroughly emptied				
			<ul> <li>placed in secure storage until disposal</li> </ul>				
			<ul> <li>collected by a licensed waste disposal contractor</li> </ul>				
		Candidate to explain two	May include:				
		methods of dealing with	• back on to site as long as it is below the maximum				
		surplus dilute pesticide	dose rate				
			<ul> <li>use on another approved crop/target</li> </ul>				
			• treated by specialist treatment facility on site (e.g.				
			a lined bio bed)				
			collected by a licensed waste disposal contractor				
			Met ✓ Not Met X			_	
	Explain how to clean and	Candidate to <b>explain four</b>	Met ✓ Not Met X May include:				
Unit 152	decontaminate the	factors that need to be					
	•	factors that need to be considered when cleaning	May include: • select and use appropriate PPE				
Unit 152 6.2	decontaminate the	factors that need to be considered when cleaning and decontaminating the	May include: • select and use appropriate PPE • appropriate site				
	decontaminate the	factors that need to be considered when cleaning	May include: • select and use appropriate PPE				
	decontaminate the	factors that need to be considered when cleaning and decontaminating the	<ul> <li>May include:</li> <li>select and use appropriate PPE</li> <li>appropriate site</li> <li>thorough washing with water and suitable</li> </ul>				
	decontaminate the	factors that need to be considered when cleaning and decontaminating the	<ul> <li>May include:</li> <li>select and use appropriate PPE</li> <li>appropriate site</li> <li>thorough washing with water and suitable cleaning agent (if recommended/required)</li> <li>internal and external surfaces</li> </ul>				
	decontaminate the	factors that need to be considered when cleaning and decontaminating the	<ul> <li>May include:</li> <li>select and use appropriate PPE</li> <li>appropriate site</li> <li>thorough washing with water and suitable cleaning agent (if recommended/required)</li> <li>internal and external surfaces</li> <li>care to ensure contamination 'hot-spots' are clean</li> </ul>				
	decontaminate the	factors that need to be considered when cleaning and decontaminating the	<ul> <li>May include:</li> <li>select and use appropriate PPE</li> <li>appropriate site</li> <li>thorough washing with water and suitable cleaning agent (if recommended/required)</li> <li>internal and external surfaces</li> <li>care to ensure contamination 'hot-spots' are clean</li> <li>thorough flushing of system</li> </ul>				
	decontaminate the	factors that need to be considered when cleaning and decontaminating the	<ul> <li>May include:</li> <li>select and use appropriate PPE</li> <li>appropriate site</li> <li>thorough washing with water and suitable cleaning agent (if recommended/required)</li> <li>internal and external surfaces</li> <li>care to ensure contamination 'hot-spots' are clean</li> <li>thorough flushing of system</li> <li>safe disposal of contaminated washings</li> </ul>				
	decontaminate the	factors that need to be considered when cleaning and decontaminating the	<ul> <li>May include:</li> <li>select and use appropriate PPE</li> <li>appropriate site</li> <li>thorough washing with water and suitable cleaning agent (if recommended/required)</li> <li>internal and external surfaces</li> <li>care to ensure contamination 'hot-spots' are clean</li> <li>thorough flushing of system</li> <li>safe disposal of contaminated washings</li> <li>when cleaning should take place</li> </ul>				
	decontaminate the	factors that need to be considered when cleaning and decontaminating the	<ul> <li>May include:</li> <li>select and use appropriate PPE</li> <li>appropriate site</li> <li>thorough washing with water and suitable cleaning agent (if recommended/required)</li> <li>internal and external surfaces</li> <li>care to ensure contamination 'hot-spots' are clean</li> <li>thorough flushing of system</li> <li>safe disposal of contaminated washings</li> </ul>				

CRITERIA	ASSESSMENT	ASSESSOR	ASSESSMENT	C	AND	IDA1	ΓE
NUMBER	CRITERIA	GUIDANCE	ACTIVITIES	Α	В	С	D
	Describe the storage	Candidate to describe three	May include:				
Unit 152	requirements for the	factors to consider prior to	<ul> <li>ensure the applicator is clean and dry</li> </ul>				
6.3	Sprayer/applicator	storing the applicator	<ul> <li>inspect for wear and damage</li> </ul>				
0.5			<ul> <li>replace any worn or damaged parts</li> </ul>				
			<ul> <li>frost protection measures implemented</li> </ul>				
			Iubricate as required				
			<ul> <li>store undercover and out of direct sunlight</li> </ul>				
			store in a secure area				
			Met ✓ Not Met X				

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

Candidate	Α	Name:		Date:	Start Time:	Dur	atior	ו:		
Candidate	B	Name:		Date:	Start Time:	Dur	atior	ו:		
Candidate	C	Name:		Date:	Start Time:	Dur	atior	ו:		
Candidate	D	Name:		Date:	Start Time:	Dur	atior	ו:		
CRITERIA NUMBER		ASSESSMENT CRITERIA	ASSESSOR GUIDANCE		ASSESSMENT ACTIVITIES		C	AND	IDA C	TE D
Unit 153 1.1 Unit 153 1.2	requ app pell ped app Des pes usir app	line the legal uirements relating to lying pesticide ets/granules using estrian hand held licators acribe how to apply ticide pellets/granules ng pedestrian hand held licators following ustry best practice	Candidate to <b>describe two</b> operator's obligations in terms of the legal requirements Candidate to <b>describe on</b> operator safety regulation i terms of using hand held pedestrian equipment Candidate to <b>describe</b> the differences in technique for overall treatment and spot treatment Three required for each technique	<ul> <li>all rec comp</li> <li>comp (Sustation)</li> <li>the op certifier</li>     &lt;</ul>	e: µuired guards are in place and equip lies with legal requirements ly with The Plant Protection Product ainable Use) Regulations 2012 perator must hold the appropriate cation for the equipment they are us Met√ N	s ing lot Met X sed by				
Unit 153		ntify risks to the ironment	Candidate to <b>identify all</b> <b>relevant</b> risks to the environment for the	May includ	ance of off target application Met ✓ N e the following: d conditions	ot Met X				
2.1			application site	<ul> <li>drains</li> <li>boreh</li> <li>envirc</li> <li>wildlifu</li> <li>non-ta</li> <li>sensit</li> <li>hedge</li> <li>housin</li> <li>public</li> </ul>	oles onmental margins/strips/areas arget plants tive crops/areas erows ng access risks particular to the site					
Unit 153 2.2		lain how to minimise s to the environment	Candidate to <b>explain</b> how minimise the risks identifie in <b>2.1</b>	d check avoid obser inform erect use a enviro	Met ✓ N n may include the following points: and maintain application rate off target application ve buffer zones n neighbours warning signs n appropriate pesticide (minimal onmental impact) priate timing of application	ot Met X				
Continued			Candidate to <b>state</b> the reason for minimising off target application	<ul> <li>avoida</li> </ul>	ance of contamination to people and onment	d the				

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

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	C A	AND B	IDA C	TE D
		Candidate to check and	use of an anemometer at suitable height or visual			•	
Cont Unit 153		comment on wind speed and direction	<ul><li>signs</li><li>wind direction</li></ul>				
2.2		Candidate to state five	May include:				
2.2		factors that affect uniformity of spread	weather conditions				
		oi spieau	direction of spreading				
			<ul> <li>pellet/granule density and size</li> <li>applicator height</li> </ul>				
			<ul><li>applicator height</li><li>applicator set level</li></ul>				
			defective equipment				
			Met ✓ Not Met X				
	Read product information	The candidate is required to	To include the following:				
Unit 153	Interpret product	read and interpret the information on a product label	product name				
3.1	information	and provide relevant	<ul> <li>active substance(s) (ingredient(s))</li> </ul>				
Unit 153		information as requested by the Assessor	Important information:				
Unit 155			• field of use				
3.2		Note to the Assessor: A product label is required. It is	• crop/target				
		expected that the candidate	maximum individual dose     maximum total dose				
		will provide the product label	maximum number of treatments				
		The label provided must be					
		for a currently approved product and appropriate to	May include the following: <ul> <li>specific product precautions/warnings</li> </ul>				
		the candidates normal work	<ul> <li>specific product precautions/warnings</li> <li>operator protection</li> </ul>				
		situation	<ul> <li>environmental protection</li> </ul>				
		Note to the Candidate	restrictions on use				
		(Assessor also to note): It is acceptable for key	Crop oppositio information.				
		information on the label to be	Crop specific information: • crop/target				
		highlighted for use during the assessment	<ul> <li>dose rate</li> </ul>				
		assessment	• timing				
			additional label information				
			Met ✔ Not Met X				
Unit 153	Carry out pre use checks	Candidate to carry out all pre-use checks relevant to	Applicator components to be inspected for serviceability and contamination that may include:				
Unit 155	to the applicator	the applicator being used for	<ul> <li>hopper</li> </ul>				
4.1		the assessment	<ul> <li>lid</li> </ul>				
		Power unit isolated (if	agitator				
		applicable)	metering device				
			spinning disc condition				
			on/off control     otrana ar harmone (if appliable)				
			<ul> <li>straps or harness (if applicable)</li> <li>wheels and tyres (if applicable)</li> </ul>				
	Identify settings and	Candidate to <b>identify</b> any	Met ✓ Not Met X May include:				
Unit 153	Identify settings and adjustments	settings and adjustments	<ul> <li>height adjustment</li> </ul>				
4.0		applicable to the applicator	<ul> <li>spread width adjustment</li> </ul>				
4.2			disc speed adjustment				
			metering device				
			Met ✓ Not Met X				
ni+ 152	Calibrate the applicator	The candidate is required to	Calibration may include:		_	_	Γ_
Unit 153	and record relevant data	calibrate the applicator and record relevant data	calculation of walking speed				
4.3		Note to the Assessor: Any	<ul> <li>measure spread width</li> <li>calculate application rate</li> </ul>				
		method of calibration may be	<ul> <li>calculate application rate</li> <li>check rate against product information</li> </ul>				
		- ucoa providina it is conchio of		1	1		1 -
Continued		used providing it is capable of allowing for different walking	recommendations				

NUMBER         CRITERIA         GUIDANCE         ACTIVITES           Cont         Unit 153         Calibration data         Calibration data         Calibration data         Valking speed           4.3         Candidate to measure return         Calibration data         • walking speed         • walking speed           4.3         Measure the area to be treated         Candidate to measure the area. The Assessor may candidate and infection of the candidate of the area of approximately 2005 (meters)         To include:         • accurate measurement of dimensions           4.4         Measure the area to be treated         Candidate to calculate the area         To include:         • accurate measurement of dimensions           4.5         Calculate the area to be treated         Candidate to calculate the area         To include:         • accurate calculation of area           4.5         Calculate the area to be treated         Candidate to calculate quantity required for the area         To include:         • accurate calculation of area           4.5         Calculate the quantities of pesticide required area (aculated to the applicator         Candidate to calculate quantity required for the area specified area aculated pesticide product         To include:         • accurate calculated to include:         • accurate calculated to the application procedures           5.1         Measure/weigh the required quantitites and add to the application procedures         Candi	-		-	TE
Cont       Unit 153	Α	В	С	D
4.3 <ul> <li>height setting</li> <li>spread width</li> <li>meeting device setting</li> <li>pellet/granule used</li> <li>Met ✓ Not Met X</li> </ul> Unit 153       Measure the area to be treated       Candidate to measure the area. The Assessor may assist under direction of the candidate to to the Assessor: A rectangular area of approximately 200sq metre is required for the assessment which must involve multiple bouts       To include: <ul> <li>accurate measurement of dimensions</li> <li>accurate application of area</li> <li>det ✓ Not Met X</li> </ul> Unit 153       Calculate the area to be treated       Candidate to calculate the area to be treated       To include: <ul> <li>accurate calculation of area</li> <li>det ✓ Not Met X</li> </ul> Unit 153       Calculate the quantities of enguined quantity required for the <u>specified area</u> calculated in 4.5       To include: <ul> <li>amount of pesticide required for specified area</li> <li>the applicator</li> <li>the applicator</li> <li>the applicator</li> <li>the area specified in 4.5</li> <li>Note: This may be a simulate sits selected</li> <li>accurate measurement of pesticide product</li> <li>accurate application procedures</li> <li>accurate avitching on/dt pionts</li> <li>accurate avitchi</li></ul>				
4.3				
Unit 153 4.4     Measure the area to be treated     Candidate to measure the area. The Assessor may assist under direction of the candidate area of any proximately 2008 metris is required for the assessor at rectangular area of approximately 2008 metris is required for the assessor. A rectangular area of approximately 2008 metris is required for the assessor. A rectangular area of area for the area specified for the <u>specified area</u> calculated in the applicator     To include:				
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Unit 153       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:       To include:         5.3       0.000 minimum for the environment of the envintenvironment of the envintenvironment of t				
Unit 153Carry out all activities protecting human health and the environmentNote to the Assessor: The Assessor to be satisfied that the candidate has carried out all activities protecting human health and that of the environmentTo include:5.3Source of the environmentTo include:To include:Image: Source of the environmentSource of the environmentTo include:Source of the environmentTo include: <t< th=""><th></th><th></th><th></th><th></th></t<>				
Unit 153protecting human health and the environmentAssessor to be satisfied that the candidate has carried out all activities protecting human health and that of the environment•prevention of personal injury and contamination through correct selection and use of PPE/RPE (as required by the product information, COSHH/Risk Assessment)5.3••prevention of public/bystander contamination				
health and that of the environmentAssessment)•prevention of public/bystander contamination				
prevention of public/bystander contamination				
<ul> <li>sale mining procedure</li> <li>avoidance of off target application</li> </ul>				
avoidance of over dosing/under dosing				
crop/target/plant material				
Met ✓ Not Met X	$\square$			$\square$
Unit 153         Complete a treatment record         The candidate is required to complete a treatment record.         Completion of the treatment record must be: • accurate				
legible (if handwritten)				
5.4 Note to the Assessor: the treatment record must be Met ✓ Not Met X				
approved or if necessary supplied by the Assessor				

CRITERIA	ASSESSMENT	ASSESSOR	ASSESSMENT	C	AND	IDA	ΓE
NUMBER	CRITERIA	GUIDANCE	ACTIVITIES	Α	В	С	D
Unit 153 6.1	State how to recover and store surplus pellets/granules and how to dispose of waste material	Candidate to <b>explain one</b> method of recovering surplus pesticide pellets/granules	<ul> <li>Explanation may include:</li> <li>careful return to packaging</li> <li>return to temporary mobile store</li> <li>return to fixed store</li> </ul>				
		Candidate to <b>explain one</b> method of dealing with waste packaging	<ul> <li>Packaging:</li> <li>thoroughly emptied</li> <li>placed in secure storage until disposal</li> <li>collected by licensed waste disposal contractor</li> </ul> Met ✓ Not Met X				
Unit 153	Explain how to clean and decontaminate the	Candidate to <b>explain</b> what factors that need to be	Explanation to include at least four of the following points:				
	applicator	considered when cleaning the	select and use correct PPE				
6.2		applicator considered when cleaning the applicator	<ul> <li>selection of an appropriate site for cleaning the applicator</li> </ul>				
			<ul> <li>clean the applicator following product information and manufacturer's recommendations</li> </ul>				
			<ul> <li>safe disposal of contaminated waste in an appropriate manner following good practice</li> </ul>				
			<ul> <li>safe procedures followed</li> </ul>				
			Met ✓ Not Met X				
	Describe the storage	Candidate to describe three	May include:	1			
Unit 153	requirements for the applicator	factors to consider when storing the sprayer/applicator	ensure the applicator is clean				
6.3	applicator	storing the sprayer/applicator	inspect for wear or damage				
010			replace any worn or damaged parts				
			lubricate if required				
			store in a secure area				
			store under cover and out of direct sunlight				
			Met ✓ Not Met X				

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

Candidate	A Name:		Date:	Start Time:	Durat	ion	:		
Candidate	B Name:		Date:	Start Time:	Durat	Duration:			
Candidate	C Name:		Date:	Start Time:	Durat	ion	:		
Candidate	D Name:		Date:	Start Time:	Durat	ion	:		
CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE		ASSESSMENT ACTIVITIES		C/ A	AND B	IDAT C	ГЕ D
Unit 154 1.1	Describe the legal requirements relating to applying pesticide pellets/granules to or near water using pedestrian hand held applicators	Candidate to <b>describe two</b> operator's obligations in terms of legal requirements Candidate to <b>state two</b> leg requirements when applyi	<ul> <li>all required g complies with</li> <li>comply with</li> <li>(Sustainable</li> <li>the operator certification for gal</li> <li>Both required:</li> </ul>	juards are in place and equip h legal requirements The Plant Protection Products Use) Regulations 2012 must hold the appropriate or the equipment they are usi	s ing				
		pesticides to or near water		esticide has aquatic approval Imental Agency approval					
			Marcia chuda	Met√ N	ot Met X				
Unit 154 1.2	Describe how to apply pesticide pellets/granules to or near water using pedestrian hand held applicators following	Candidate to <b>describe on</b> operator safety regulation i terms of using hand held pedestrian equipment	n comply with l adopt industr be aware of	Pesticide Codes of Practice ry best practice any safety implications impos					
	industry best practice	Condidate to describe the	requirements		ith the				
		Candidate to <b>describe</b> the differences in technique for overall treatment and spot treatment <b>Three</b> required for each technique	<ul> <li>consistent was</li> <li>accurate swit</li> <li>matching of b</li> </ul>	alking speed tching on/off points					
			<ul> <li>avoidance of</li> </ul>	cludes: a suitable applicator height f under/over dosing f farget application					
		Define the term to or near water Candidate to state four examples Describe two operator saf		ches					
		<b>Describe two</b> operator sat considerations in terms of using hand held pedestrian equipment in the aquatic environment	<ul> <li>check bank s</li> <li>availability of</li> </ul>	stability before applying f a second person on site f life ring/rescue devices Met ✓ No	ot Met X				

CRITERIA	ASSESSMENT	ASSESSOR	ASSESSMENT	C	AND	IDA <sup>-</sup>	ΓЕ
NUMBER	CRITERIA	GUIDANCE	ACTIVITIES	Α	В	С	D
					B		
			<ul> <li>water extraction points</li> <li>de-oxygenation of water</li> <li>removal of fish cover</li> <li>removal of bankside wildlife habitat</li> <li>removal of bankside vegetation leading to bank erosion</li> <li>other risks specific to the site</li> </ul>				
L			Met ✓ Not Met X				
Unit 154 2.2	Explain how to minimise risks to the environment	Candidate to <b>explain</b> how to minimise the risks identified in <b>2.1</b>	<ul> <li>Explanation may include the following points:</li> <li>work in an upstream direction</li> <li>check weather suitability before treatment</li> <li>check downstream uses before treatment</li> <li>seek Environmental Agency approval</li> <li>use of an appropriate pesticide (minimal environmental impact)</li> <li>appropriate timing of treatment</li> <li>check and maintain application rate</li> <li>avoid off-target application</li> <li>exclude livestock</li> <li>erect warning signs</li> <li>inform neighbours</li> </ul>				
		Candidate to <b>state</b> the reason for minimising off target application	<ul> <li>avoidance of contamination to people and the environment</li> </ul>				
		Candidate to <b>check</b> and <b>comment</b> on wind speed and direction	<ul> <li>use of an anemometer at suitable height or visual signs</li> <li>wind direction</li> </ul>				
		Candidate to <b>state five</b> factors that affect uniformity of spread	May include: • weather conditions • direction of spreading • pellet/granule density and size • applicator height • applicator set level • defective equipment Met ✓ Not Met X				

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	C A	AND B	IDA1 C	TE D
-	Read product information	Note to the Assessor: A	Important information:		-	•	_
Unit 154	Interpret product	product label is required. It is expected that the candidate	field of use (aquatic approval)				
3.1	information	will provide the product label	• target				
		The lebel provided must be	maximum individual dose				
Unit 154		The label provided must be for a currently approved	maximum total dose     maximum number of treatmente				
3.2		product and appropriate to	maximum number of treatments				
•		the candidates normal work situation	May include the following:				
			specific product precautions/warnings				
		Note to the Candidate	operator protection				
		(Assessor also to note): It is acceptable for key	environmental protection				
		information on the label to be	restrictions on use				
		highlighted for use during the assessment	Crop specific information:				
		assessment	target				
			dose rate				
			• timing				
			additional label information				
			Met ✓ Not Met X				
Unit 154	Carry out pre use checks	Candidate to carry out all	Applicator components to be inspected for				
Unit 154	to the applicator	pre-use checks <b>relevant</b> to the applicator being used for	<ul> <li>serviceability and contamination that may include:</li> <li>hopper</li> </ul>				
4.1		the assessment	lid				
		Equipment to be isolated (if	agitator				
		applicable)	metering device				
			spinning disc condition				
			on/off control				
			<ul> <li>straps or harness (if applicable)</li> </ul>				
			<ul> <li>wheels and tyres (if applicable)</li> </ul>				
			Met ✓ Not Met X				
	Identify settings and	Candidate to <b>identify</b> any	May include:				
Unit 154	adjustments	settings and adjustments	height adjustment				
4.2		applicable to the applicator	<ul> <li>spread width adjustment</li> </ul>				
4.2			disc speed adjustment				
			metering device				
			Met ✓ Not Met X				
	Calibrate the applicator	The candidate is required to	Calibration to include:				
Unit 154	and record relevant data	calibrate the sprayer/applicator and record	measure spread width				
4.3		relevant data	calculate application rate				
		Note to the Assessor: Any	<ul> <li>check rate against product information recommendations</li> </ul>				
		method of calibration may be	recommendations				
		used providing it is capable of allowing for different walking					
		speeds and spread widths					
		Candidate to record relevant	Calibration data may include:				
		calibration data	walking speed				
			applicator used				
			<ul> <li>height setting</li> </ul>				
			<ul> <li>spread width</li> </ul>				
			metering device setting				
			pellet/granule used				
			Met ✓ Not Met X				
	Measure the area to be	Candidate to <b>measure</b> the	To include:				$\vdash$
Unit 154	treated	area. The Assessor may	<ul> <li>accurate measurement of dimensions</li> </ul>				
		assist under direction of the candidate	Met ✓ Not Met X				
4.4		เล่าเน่นลเษ	Met * Not Met X				
		Note to the Assessor: An					
		area of bank/target of approximately 50m length					
		typical of the candidates					
		normal work situation	1	1	1	1	1

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	C	AND B		TE D
-	Calculate the area to be	Candidate to calculate the	to include:			Ŭ	
Unit 154	treated	area	accurate calculation of area				
4.5			Met ✓ Not Met X				
Unit 154	Calculate the quantities of pesticide required	Candidate to <b>calculate</b> quantity required for the <u>specified area</u> calculated in	<ul> <li>To include:</li> <li>amount of pesticide required for specified area</li> </ul>				
4.6		4.5	Met ✓ Not Met X				
Unit 154	Measure/weigh the required guantities and add	Candidate to <b>measure</b> and <b>add</b> quantities required for	To include all of the following: • correct selection and use of PPE/RPE (as				
5.1	to the applicator	the area specified in 4.5 Note: This may be a	required by the product label, COSHH/Risk Assessment)				
		simulated pesticide product	<ul> <li>suitable site selected</li> <li>add product following product recommendations and approved procedures</li> </ul>				
			<ul> <li>accurate measurement of pesticide product</li> <li>avoidance of spillage</li> </ul>				
			Met ✓ Not Met X				
	Demonstrate safe and	The candidate is required to	To include:				
Unit 154	accurate application procedures	treat the area in 4.5 demonstrating safe and	bankside safety implemented				
5.2	'	accurate application	<ul> <li>treatment area clearly identified</li> <li>walking speed maintained</li> </ul>				
		procedures	<ul> <li>accurate switching on/off points</li> </ul>				
			obstacles dealt with correctly (if applicable)				
			all of specified area treated				
			<ul> <li>awareness of changing weather conditions and appropriate action taken (if applicable)</li> <li>avoidance of off target application/contamination</li> </ul>				
			Met ✓ Not Met X				
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	<ul> <li>To include:</li> <li>prevention of personal injury and contamination through correct selection and use of PPE/RPE (as required by the product information, COSHH/Risk Assessment)</li> <li>prevention of public/bystander contamination</li> </ul>				
			safe filling procedure				
			<ul> <li>avoidance of off target application</li> <li>avoidance of over dosing/under dosing target</li> </ul>				
			• minimising the impact on the aquatic environment				
			Met ✓ Not Met X				
Unit 154	Complete a treatment record	The candidate is required to <b>complete</b> a treatment record.	Completion of the treatment record must be:				
	Tecolu	Note to the Assessor: the	<ul><li>accurate</li><li>legible (if handwritten)</li></ul>				
5.4		treatment record must be approved or if necessary supplied by the Assessor	Met ✓ Not Met X				
110:4 45 4	State how to recover and	Candidate to explain one	Explanation may include:				<u>†                                    </u>
Unit 154	store surplus pellets/granules and how	method of recovering surplus pesticide pellets/granules	careful return to packaging				
6.1	to dispose of waste		<ul> <li>return to temporary mobile store</li> <li>return to fixed store</li> </ul>				
	material	Candidate to <b>explain one</b>	Packaging:				
		method of dealing with waste	thoroughly emptied				
		packaging	placed in secure storage until disposal				
			collected by a licensed waste disposal contractor				
	Explain how to clean and	Candidate to <b>explain</b> what	Met ✓ Not Met X Explanation to include at least four of the following	$\vdash$			$\vdash$
Unit 154	decontaminate the applicator	factors that need to be considered when cleaning the	<ul> <li>points:</li> <li>select and use correct PPE/RPE</li> </ul>				
6.2		applicator	<ul> <li>selection of an appropriate site for cleaning the applicator</li> </ul>				
			<ul> <li>clean the applicator following product information and manufacturer recommendations</li> <li>sofe disposal of contaminated watto in an</li> </ul>				
			<ul> <li>safe disposal of contaminated waste in an appropriate manner following good practice</li> <li>safe procedures followed</li> </ul>				
			safe procedures followed  Met      Not Met Y				
			Met ✓ Not Met X				

CRITERIA	ASSESSMENT	ASSESSOR		ASSESSMENT	C	AND	IDA'	ΓE
NUMBER	CRITERIA	GUIDANCE		ACTIVITIES	Α	В	С	D
	Describe the storage	Candidate to describe three	•	ensure the applicator is clean				
Unit 154	requirements for the applicator	factors to consider when storing the sprayer/applicator	•	inspect for wear or damage				
6.3	applicator	storing the sprayer/applicator	•	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				
				Met ✓ Not Met X				

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

Candidate A	A Name:		Da	ite:	Start Time:	Dura	atior	):		
Candidate E	3 Name:		Da	ite:	Start Time:	Dura	atior	):		
Candidate (	C Name:		Da	ite:	Start Time:	Duration:				
Candidate [	D Name:		Da	ite:	Start Time: Du			:		
CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE			SSESSMENT ACTIVITIES		C A	AND B	IDA <sup>-</sup> C	ГЕ D
Unit 155	Describe the legal requirements relating to installing pesticide plugs	Candidate to <b>describe two</b> operator's obligations in terms of legal requirements Candidate to <b>state two</b> leg requirements when applyi pesticides to or near water	gal	<ul> <li>complies with lea</li> <li>comply with The (Sustainable Use</li> <li>the operator must certification for the Both required:</li> <li>ensure the pestion</li> </ul>	ds are in place and equipme gal requirements Plant Protection Products e) Regulations 2012 st hold the appropriate he equipment they are using cide has aquatic approval ntal agency approval					
					Met <b>√</b> Not	Met X				
Unit 155	Describe how to install pesticide plugs safely following industry best practice	Describe one operator saf regulation in terms of installing pesticide plugs	ety	<ul><li>adopt industry be</li><li>be aware of any</li></ul>	ticide Codes of Practice est practice safety implications imposed sessment and comply with t					
		Define the term to or near water Candidate to <b>state four</b> examples		May include the follow wet or dry ditche drainage channe streams rivers canals ponds lakes/lochs reservoirs and areas imme	s Ils					
		Describe two operator saf considerations in terms of using hand held pedestrian equipment in the aquatic environment		• availability of a s	ility before applying econd person on site ring/rescue devices Met ✓ Not	Met X				
Unit 155	Identify risks to the environment from installing pesticide plugs	Candidate to <b>identify all</b> relevant risks to the environment for the application site		<ul><li>housing</li><li>public access</li></ul>	es us standing dead wood					
		Candidate to state <b>three</b> additional risks to the aqua environment (unless alread covered elsewhere)		<ul> <li>water extraction</li> <li>de-oxygenation</li> <li>removal of fish c</li> <li>removal of banks</li> </ul>	of water body/course points of water over side wildlife habitat side vegetation leading to ba					

CRITERIA	ASSESSMENT	ASSESSOR	ASSESSMENT		AND		
NUMBER	CRITERIA	GUIDANCE	ACTIVITIES	Α	В	С	D
Unit 155 2.2	Explain how to minimise risks to the environment	Candidate to <b>explain</b> how to minimise the risks identified in <b>2.1</b>	<ul> <li>May include:</li> <li>permission sought from appropriate regulatory body (if required)</li> </ul>				
2.2			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				
			Met ✓ Not Met X				
	Read product information	The candidate is required to	The following to be tested:				
Unit 155	Interpret product	read and interpret the information on a product label	product name				
3.1	information	and provide relevant	<ul> <li>active substance(s) (ingredient(s))</li> </ul>				
5.1	inomatori	information as requested by	Loss and and the former of the				
Unit 155		the Assessor	Important information: • field of use				
		Note to the Assessor: A					
3.2		product label is required. It is	<ul> <li>crop/situation</li> <li>maximum individual dose</li> </ul>				
		expected that the candidate will provide the product label					
		The label provided must be	maximum total dose				
		for a currently approved	May include the following:				
		product and appropriate to	<ul> <li>specific product precautions/warnings</li> </ul>				
		the candidates normal work	operator protection				
		situation	<ul> <li>environmental protection</li> </ul>				
		Note to the Candidate	restrictions on use				
		(Assessor also to note): It is acceptable for key	Crop specific information:				
		information on the label to be	<ul> <li>target</li> </ul>				
		highlighted for use during the	<ul> <li>dose rate</li> </ul>				
		assessment	timing				
			additional label information				
			Met ✓ Not Met X				
	Carry out pre use checks	Candidate to carry out all	May include:				-
Unit 155	to the application	pre-use checks relevant to	all required guards are in place and in good				
4.1	equipment	the application equipment being used for the	condition as stated in the operators manual (if				
4.1		assessment	<ul><li>applicable)</li><li>battery sufficiently charged (if applicable)</li></ul>				
			<ul> <li>adequate fuel (if applicable)</li> </ul>				
			<ul> <li>air filter clean and in good condition (if applicable)</li> </ul>				
			<ul> <li>cooling fins clean/vents clean and clear (if</li> </ul>				
			applicable)				
			drill bit securely fitted in chuck				
			depth gauge secure and set correctly				
			<ul> <li>hammer head securely fitted to shaft (if</li> </ul>				
			applicable)				
			• any other checks specific to the equipment used				
	Magging the diameter of	Condidate to management the	Met ✓ Not Met X				╨
Unit 155	Measure the diameter of the tree or stump to be	Candidate to <b>measure</b> the diameter of the stump or	To include:				
0.111 100	treated	standing tree to be treated	accurate measurement				
4.2		-	accurate calculation (if required)				
			Met ✓ Not Met X				
11-14 4	Calculate the number of	Candidate to calculate the	To include:	1	1		
Unit 155	plugs required	number of plugs required for the tree diameter in <b>4.2</b>	accurate calculations				
4.3			Met ✓ Not Met X		$\square$		$\square$
	1						

CRITERIA	ASSESSMENT	ASSESSOR	ASSESSMENT	С	AND	IDA <sup>-</sup>	
NUMBER	CRITERIA	GUIDANCE	ACTIVITIES	Α	В	С	D
Unit 155	Demonstrate safe and accurate installation procedures	Candidate to <b>install</b> a minimum of <b>six</b> pesticide plugs or sufficient to treat one	<ul> <li>correct selection and use of PPE (as required by the product label, COSHH/Risk Assessment)</li> </ul>				
5.1	procedures	tree	<ul> <li>plugs installed at correct spacing</li> </ul>				
•			<ul> <li>plugs installed in to the correct part of the stump/tree</li> </ul>				
			<ul> <li>plugs installed to the correct depth</li> </ul>				
			Met ✔ Not Met X				
Unit 155	Carry out all activities protecting human health and the environment	Assessor to be satisfied that the candidate has carried out all activities protecting human	To include: • prevention of personal injury and contamination				
5.2		health and the environment	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				
			Met ✓ Not Met X				
Unit 155	Complete a treatment record	The candidate is required to <b>complete</b> a treatment record.	Completion of the treatment record must be: accurate				
01111 100		Note to the Assessor: The	acculato				
5.3		treatment record must be					
		approved by the Assessor (or supplied by the Assessor if necessary)	Met ✓ Not Met X				
	State how to deal with	Candidate to explain one	Explanation may include:				
Unit 155	unused pesticide plugs and packaging	method of dealing with	<ul> <li>careful return to packaging</li> </ul>				
6.1	plugs and packaging	unused pesticide plugs and packaging	<ul> <li>return to temporary mobile store</li> </ul>				
0.1		p concegning	return to fixed store				
			<ul> <li>packaging thoroughly emptied</li> </ul>				
			<ul> <li>placed in secure storage until disposal</li> </ul>				
			collected by licence waste disposal contractor				
			Met ✓ Not Met X				
Unit 155	State how to clean application equipment	Candidate to <b>explain</b> what factors that need to be	Explanation to include at least four of the following points:				
6.2		considered when cleaning the application equipment	select and use correct PPE				
0.2			<ul> <li>selection of an appropriate site for cleaning the applicator</li> </ul>				
			clean the applicator following product information and manufacturer's recommendations				
			<ul> <li>safe disposal of contaminated waste in an appropriate manner following good practice</li> </ul>				
			safe procedures followed				
			Met ✓ Not Met X				
Unit 155	State how to store application equipment	Candidate to <b>describe three</b> factors to consider when	May include: • ensure the applicator is clean				
		storing the application	<ul> <li>ensure the applicator is clean</li> <li>inspect for wear or damage</li> </ul>				
6.3		equipment	<ul> <li>Inspect for wear or damage</li> <li>replace any worn or damaged parts</li> </ul>				
			<ul> <li>replace any worn of damaged parts</li> <li>lubricate if required</li> </ul>				
			<ul> <li>store in a secure area</li> </ul>				
			Met ✓ Not Met X				

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

Candidate	Α	Name:		Dat	te:	Start Time:	Dura	atior	):				
Candidate	B	Name:		Dat	te:	Start Time:	Dura	atior	ı:				
Candidate	C	Name:		Dat	e:	Start Time:	Duration:		Duration:		uration:		
Candidate	D	Name:		Dat	e:	Start Time:	Duration:						
CRITERIA NUMBER		ASSESSMENT CRITERIA	ASSESSOR GUIDANCE		4	SSESSMENT ACTIVITIES		C. A	AND B	IDA C	TE D		
Unit 156 1.1	req app	cribe the legal uirements relating to lying pesticides using ction equipment	Candidate to <b>describe two</b> operator's obligations in terms of legal requirements Candidate to <b>state two</b> leg requirements when applyi pesticides to or near water	s gal ng	<ul> <li>(Sustainable Us)</li> <li>the operator muccertification for the best of the best</li></ul>	Plant Protection Products e) Regulations 2012 st hold the appropriate he equipment they are using cide has aquatic approval ntal agency approval							
Unit 156 1.2	pes	cribe how to inject ticides safely following ustry best practice	Candidate to <b>describe on</b> operator safety regulation i terms of using pesticide injection equipment		<ul><li>adopt industry b</li><li>be aware of any</li></ul>	Met ✓ Not ticide Codes of Practice est practice safety implications imposed sessment and comply with t	l by						
			Candidate to <b>describe</b> the method for injecting the tar		requirements May include: injection site on growth stage time of year								
			Define the term to or near water Candidate to <b>state four</b> examples		May include the follow wet or dry ditche drainage channe streams rivers canals ponds lakes/lochs reservoirs and areas imme	ving: s Is							
			<b>Describe two</b> operator saf considerations in terms of using hand held pedestrian equipment in the aquatic environment	-	• availability of a s	ility before applying econd person on site ring/rescue devices Met ✓ Not	Mot V						
		ntify risks to the	Candidate to identify all		May include the follow								
Unit 156 2.1	env	ironment	relevant risks to the environment for the application site		<ul> <li>wildlife</li> <li>non-target plants</li> <li>conservation are</li> <li>leaving hazardoo</li> <li>sensitive crops/a</li> </ul>	as us standing dead wood							
Continued					<ul><li>hedgerows</li><li>housing</li><li>public access</li></ul>								

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	C. A	AND B	IDA1 C	TE D
		Candidate to state three	livestock drinking points				
Cont		additional risks to the aquatic	<ul> <li>recreational use of water body/course</li> </ul>				
Unit 156		environment (unless already covered elsewhere)	water extraction points				
0111 156		covered elsewhere)	de-oxygenation of water				
2.1			<ul> <li>removal of fish cover</li> </ul>				
			<ul> <li>removal of bankside wildlife habitat</li> </ul>				
			<ul> <li>removal of bankside vegetation leading to bank</li> </ul>				
			erosion				
			<ul> <li>other risks particular to the site</li> </ul>				
			Met ✓ Not Met X				
Unit 156	Explain how to minimise risks to the environment	Candidate to <b>explain</b> how to minimise the risks identified	May include:	_	_	_	
01111130	lisks to the environment	in <b>2.1</b>	suitable mixing/filling site chosen				
2.2			<ul> <li>permission sought from appropriate regulatory body (if required)</li> </ul>				
			<ul> <li>use an appropriate pesticide(minimal environmental impact)</li> </ul>				
			careful timing of application				
			check and maintain application rate				
			erect warning signs				
			<ul> <li>notify neighbours before application</li> </ul>				
			<ul> <li>work in an upstream direction</li> </ul>				
			<ul> <li>check weather suitability before treatment</li> </ul>				
			<ul> <li>check downstream uses before treatment</li> </ul>				
			<ul> <li>seek environmental agency approval</li> </ul>				
			<ul> <li>exclude livestock</li> </ul>				
			Met ✓ Not Met X				
11.11.450	Read product information	The candidate is required to	The following to be tested:				
Unit 156	Interpret product	read and interpret the information on a product label	product name				
3.1	information	and provide relevant information as requested by	active substance(s) (ingredient(s))				
		the Assessor	Important information:				
Unit 156			field of use				
3.2		Note to the Assessor: A	target				
0.2		product label is required. It is	maximum individual dose				
		expected that the candidate will provide the product label	maximum total dose				
		The label provided must be	May include the following:				
		for a currently approved	<ul> <li>specific product precautions/warnings</li> </ul>				
		product and appropriate to	operator protection				
		the candidates normal work	environmental protection				
		situation	restrictions on use				
		Note to the Candidate	Crop oposific information:				
		(Assessor also to note): It is	Crop specific information: • target				
		acceptable for key					
		information on the label to be highlighted for use during the	dose rate				
		assessment	dilution rate if applicable				
			• timing				
			Mixing and spraying: • filling				
			additional label information				
			Met ✓ Not Met X				
	Identify and select	Candidate to identify and	May include:				$\vdash$
Unit 156	equipment according to	explain the use of two types	long needle for initial treatment or thicker stems				
A A	application requirements	of needle (if applicable)	<ul> <li>short needle for repeat treatment or thinner</li> </ul>	1			1
4.1		Note to the Assessor: One	stems				
		of these should be the needle	Met ✔ Not Met X				
	1	intended for use (if		1	1	1	1

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	C/	AND B	IDAT C	TE D
NOWIDEN	Carry out pre use checks	Candidate to carry out all	Applicator components to be inspected for	A	Б		
Unit 156	to the applicator	pre-use checks relevant to	serviceability and contamination that may include:				
4.2		the applicator being used for the assessment	tank/bottle/container				
4.2		the assessment	• lid				
			• filters				
			• hoses				
			connections				
			• seals				
			on/off control				
			• straps				
			To include:				
			applicator checked for leaks				
			<ul> <li>any problems identified to be rectified if within</li> </ul>				
			operators level of responsibility and ability				
			<ul> <li>condition confirmed as suitable for operation</li> </ul>				
		Fit the required needle for					
		use (if applicable)	To include:  • suitable needle selected				
			needle fitted correctly				
		Candidate to check needle	To include:			1	
		condition	needle undamaged				
			Met ✓ Not Met X				
	Calibrate the applicator	The condidate is required to	Calibration to include:	┢╧	<u> </u>	Ë-	
Unit 156	Calibrate the applicator	The candidate is required to <b>calibrate</b> the applicator and					
4.3		record relevant data	and required volume				
		Candidate to record relevant	Calibration data may include:				
		calibration data	applicator used				
			needle fitted				
			applicator setting				
			pesticide used				
			Met ✓ Not Met X				
	Calculate quantities	Candidate to calculate	May include:				
Unit 156	required	quantities required for the targets to be treated and a	<ul> <li>amount of water required for specified targets</li> </ul>				
4.4		full tank/bottle/container	amount of pesticide required for specified targets				
			<ul> <li>amount of pesticide required for full</li> </ul>		_		_
			tank/bottle/container				
			Met ✓ Not Met X				
	Measure the pesticide, mix	Candidate to measure and	To include all of the following;				
Unit 156	with water and fill the	add quantities required for	• correct selection and use of PPE (as required by			1	
5.1	applicator and/or attach pesticide container	the area specified in 4.4	the product information and/or COSHH				
5.1		Note: This may be a	Assessment)				
		simulated pesticide	suitable site selected				
		product supplied by the Assessor	<ul> <li>observance of pesticide manufacturers instructions for mixing</li> </ul>				
		7922901	<ul> <li>correct use of water supply</li> </ul>				
			<ul> <li>accurate measurement of water</li> </ul>				
			<ul> <li>accurate measurement of pesticide</li> </ul>				
			<ul> <li>avoidance of spillage</li> </ul>				
			and/or				
			attach pesticide container				
			Met ✔ Not Met X				
	Demonstrate safe and	The candidate is required to	To include:	Τ			
Unit 156	accurate injection	treat the targets in 4.4	targets clearly identified				
5.2	procedures	demonstrating safe and accurate injection procedures	targets treated avoiding misses and overdosing				
J.2			awareness of changing weather conditions and	_	_	_	
			appropriate action taken (if applicable)				
			Met ✓ Not Met X				
	1	1		<u>ــــــــــــــــــــــــــــــــــــ</u>	L	ı	1

CRITERIA	ASSESSMENT	ASSESSOR	ASSESSMENT	C	AND	IDA <sup>-</sup>	ΓЕ
NUMBER	CRITERIA		ACTIVITIES	Α	В	С	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	<ul> <li>To include:</li> <li>prevention of personal injury and contamination through correct selection and use of PPE (as required by the product information, COSHH/ Risk Assessment)</li> <li>prevention of public/bystander contamination</li> <li>safe filling procedure</li> <li>avoidance of off target application/contamination</li> <li>avoidance of over dosing/under dosing target/plant material</li> </ul>				
	Complete a treatment	The candidate is required to	Completion of the treatment record must be:			<u> </u>	<u> </u>
Unit 156 5.4	record	<b>complete</b> a treatment record <b>Note to the Assessor:</b> The treatment record must be approved by the Assessor (or supplied by the Assessor if necessary)	<ul> <li>accurate</li> <li>legible (if handwritten)</li> <li>Met ✓ Not Met X</li> </ul>				
Unit 156 6.1	Explain how to manage surplus pesticide and dispose of waste material	Candidate to <b>explain one</b> method of managing surplus concentrate pesticide	<ul> <li>Explanation may include:</li> <li>return to temporary mobile store</li> <li>return to fixed store</li> </ul>				
		Candidate to <b>explain one</b> method of dealing with waste containers and packaging	Containers: • 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				
		Candidate to <b>explain two</b> methods of managing surplus dilute pesticides (if applicable)	<ul> <li>Explanation may include:</li> <li>use on another approved target</li> <li>treated by specialist treatment facility on site (e.g. a lined bio bed)</li> <li>collected by a licensed waste disposal contractor</li> </ul>				
			Met ✓ Not Met X				$\vdash$
Unit 156 6.2	Explain how to clean the injection equipment	Candidate to <b>explain four</b> factors that need to be considered when cleaning the injection equipment	<ul> <li>May include:</li> <li>select and use correct PPE</li> <li>selection of an appropriate site for cleaning the applicator</li> <li>triple rinse the applicator following product information recommendations</li> <li>thorough flushing of system</li> </ul>				
			<ul> <li>safe disposal of contaminated washings in an appropriate manner following good practice</li> <li>safe procedures followed</li> <li>Met ✓ Not Met X</li> </ul>				
	Explain how to store the	Candidate to <b>describe three</b>	May include:				
Unit 156 6.3	injection equipment	factors to consider when storing the injection equipment	<ul> <li>ensure the injection equipment is clean and dry</li> <li>inspect for wear or damage</li> <li>repair or notify supervisor if not within operators level of responsibility and ability</li> <li>lubricate if required</li> <li>needle covered/removed to protect operator</li> <li>store in a secure area</li> </ul>				
			• store under cover and out of direct sunlight Met ✓ Not Met X				

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

Candidate	Α	Name:		Dat	te:	Start Time:	Dura	atior	):				
Candidate	B	Name:		Dat	te:	Start Time:	Dura	atior	):				
Candidate	C	Name:		Dat	te:	Start Time:	Dura	atior	):				
Candidate	D	Name:		Dat	te:	Start Time:	Dura	atior	):				
CRITERIA		ASSESSMENT	ASSESSOR			SSESSMENT	(		CANDID				
NUMBER	Des	CRITERIA	GUIDANCE Candidate to describe on	e	May include:	ACTIVITIES		A	В	С	D		
Unit 157 1.1	req app	lirements relating to lying pesticides using d held equipment	operator's obligation in terr of legal requirements	-	<ul> <li>comply with (Sustainable</li> <li>the operator</li> </ul>	The Plant Protection Production Productors (Use) Regulations 2012 must hold the appropriate for the equipment they are							
			Candidate to <b>state two</b> leg requirements when applyi pesticides to or near water	ng		cide has aquatic approval ntal agency approval							
						Met√ No	t Met X						
Unit 157 1.2	pes han follo	cribe how to apply ticides safely using d held equipment owing industry best ctice	Candidate to <b>describe on</b> operator safety regulation i terms of using hand held pedestrian equipment	-	<ul><li>adopt industry be</li><li>be aware of any</li></ul>	ticide Codes of Practice est practice safety implications impose sessment and comply wit							
			Candidate to <b>describe</b> the differences in technique for overall treatment and spot treatment (if applicable) <b>Three</b> required for each technique	-	<ul> <li>consistent nozzle</li> <li>accurate on/off p</li> <li>matching of bout</li> </ul>	ng speed to maintain constant press e height voints	sure						
					Spot treatment include use of a suitable maintaining a su timed treatment avoidance of und avoidance of off	nozzle itable height							
			Define the term to or near water Candidate to <b>state four</b> examples		May include the follow wet or dry ditche drainage channe streams rivers canals ponds lakes/lochs reservoirs and areas immed	s Is							
			Describe two operator sat considerations in terms of using hand held pedestriar equipment in the aquatic environment		• availability of a s	ility before applying econd person on site ring/rescue devices Met ✓ Not	Met X						

CRITERIA	ASSESSMENT	ASSESSOR	ASSESSMENT				
NUMBER	CRITERIA	GUIDANCE	ACTIVITIES May include the following:	Α	В	С	D
Unit 157	Identify risks to the environment	Candidate to <b>identify all</b> relevant risks to the	ground conditions				
		environment for the	-				
2.1		application site	<ul> <li>water courses</li> <li>drains</li> </ul>				
			<ul> <li>boreholes</li> </ul>				
			<ul> <li>environmental margins/strips/areas</li> </ul>				
			<ul> <li>wildlife</li> </ul>				
			<ul> <li>non-targets</li> </ul>				
			<ul> <li>sensitive crops/areas</li> </ul>				
			<ul> <li>hedgerows</li> </ul>				
			<ul> <li>housing</li> </ul>				
			<ul> <li>public access</li> </ul>				
		Candidate to state <b>three</b> additional risks to the aquatic	livestock drinking points				
		environment (unless already	<ul> <li>recreational use of water body/course</li> </ul>				
		covered elsewhere)	water extraction points				
			de-oxygenation of water				
			<ul> <li>removal of fish cover</li> </ul>				
			<ul> <li>removal of bankside wildlife habitat</li> </ul>				
			<ul> <li>removal of bankside vegetation leading to bank</li> </ul>				
			<ul> <li>erosion</li> <li>other risks specific to the site</li> </ul>				
	Evoloin hourte minimies	Condidata ta <b>avalain</b> havuta	Met ✓ Not Met X				
Unit 157	Explain how to minimise risks to the environment	Candidate to <b>explain</b> how to minimise the risks identified	Explanation to include the following points:				
		in <b>2.1</b>	<ul> <li>use of an appropriate pesticide(minimal environmental impact)</li> </ul>				
2.2			<ul> <li>careful timing of application</li> </ul>				
			<ul> <li>check and maintain application rate</li> </ul>				
			<ul> <li>avoid spray drift</li> </ul>				
			<ul> <li>avoid off target application</li> </ul>				
			observe buffer zones				
			<ul> <li>erect warning signs</li> </ul>				
			<ul> <li>notify neighbours before application</li> </ul>				
			<ul> <li>work in an upstream direction</li> </ul>				
			check weather suitability before treatment				
			<ul> <li>check downstream uses before treatment</li> </ul>				
			<ul> <li>seek environmental agency approval</li> </ul>				
			exclude livestock				
		Candidate to check and	<ul> <li>use of anemometer at suitable height or visible</li> </ul>				
		comment on wind speed and	signs				
		direction	wind direction				
		Candidate to <b>state</b> the reason for minimising off target application and spray drift	avoidance of contamination to people and the environment				
1		Candidate to state five	May include:	1	1	1	
		factors that may affect spray	weather conditions				
		drift (if applicable)	<ul> <li>direction of spraying</li> </ul>				
			<ul> <li>nozzle type and size (if applicable)</li> </ul>				
			<ul> <li>pressure (if applicable)</li> </ul>				
			<ul> <li>disc type</li> </ul>				
			<ul> <li>disc speed</li> </ul>				
			<ul> <li>nozzle/disc height</li> </ul>				
			<ul> <li>forward speed</li> </ul>				
			defective equipment				
		Candidate to state two	May include:	1	1	1	
		factors that may affect off target application (if	wick too low				
		applicable)	<ul> <li>wick over saturated and dripping</li> </ul>				
			Met ✓ Not Met X			$\square$	
		1					

CRITERIA	ASSESSMENT	ASSESSOR	ASSESSMENT	C	AND	IDA <sup>-</sup>	ГЕ
NUMBER	CRITERIA	GUIDANCE	ACTIVITIES	Α	В	С	D
11.11.457	Read product information	The candidate is required to	To include the following:				
Unit 157	Interpret product	read and interpret the information on a product label	product name				
3.1	information	and provide relevant information as requested by	<ul> <li>active substance(s) (ingredient(s))</li> </ul>				
Unit 157		the Assessor	Important information: • field of use				
3.2		Note to the Assessor: A	crop/target				
3.2		product label is required. It is	maximum individual dose				
		expected that the candidate	maximum total dose				
		will provide the product label. The label provided must be	<ul> <li>maximum number of treatments</li> </ul>				
		for a currently approved product and appropriate to	May include the following:				
		the candidates normal work	<ul> <li>specific product precautions/warnings</li> </ul>				
		situation	<ul> <li>operator protection</li> </ul>				
		Note to the Condidate	<ul> <li>environmental protection</li> </ul>				
		Note to the Candidate (Assessor also to note): It is acceptable for key	<ul> <li>restrictions on use</li> </ul>				
		information on the label to be	Crop specific information:				
		highlighted for use during the	<ul> <li>crop/target</li> </ul>				
		assessment	<ul> <li>dose rate</li> </ul>				
			water volume				
			<ul> <li>timing</li> </ul>				
			Mixing and spraying:				
			• filling				
			recommended nozzles				
			recommended pressure				
			spray quality				
			additional label information				
			compatibility				
			Met ✓ Not Met X				
Unit 157	Carry out pre use checks	Candidate to <b>carry out all</b> pre-use checks relevant to	May include:	_	_	_	_
4.1	to the applicator	the sprayer/applicator being used for the assessment	sprayer/applicator de-pressurised				
4.1		used for the assessment	Sprayer/applicator components to be inspected for serviceability and contamination that may include:				
			tank/container				
			wick				
			• lid				
			filters				
			hoses				
			connections				
			seals				
			on/off control				
			• lance				
			• straps				
			bristles				
			pump (if accessible)				
			batteries (if applicable)				
			engine (if applicable)				
		Candidate to part fill the	May include:				
		applicator and check for	applicator checked for leaks under pressure				
		satisfactory operation	<ul> <li>any problems identified to be rectified if within</li> </ul>				
			operators level of responsibility and ability				
			condition confirmed as suitable for operation				
			Met ✓ Not Met X				
						Ľ	

NUMBERCRITERIAGUIDANCUnit 157Identify any controls or components applicable to the applicatorCandidate to identi components and co- relating to the appli- being used for the assessment4.2Calibrate the applicator and record relevant dataThe candidate is re calibrate the applic record relevant dataUnit 157Calibrate the applicator and record relevant dataThe candidate is re calibrate the applic record relevant data	equired to icator and ata	ACTIVITIES May include: tank pump on/off filters nozzle(s)/disc(s)/distribution system other components/controls specific to the applicator Met ✓ Not Met Calibration may include: calculation of water volume rate check water volume rate against product information recommendations flow rate adjusted to distribution system Calibration data may include:	x		
Unit 157 4.2components applicable to the applicatorcomponents and cor relating to the appli being used for the assessmentUnit 157 4.3Calibrate the applicator 	equired to licator and ata	<ul> <li>tank</li> <li>pump</li> <li>on/off</li> <li>filters</li> <li>nozzle(s)/disc(s)/distribution system</li> <li>other components/controls specific to the applicator</li> <li>Met ✓ Not Met</li> <li>Calibration may include:</li> <li>calculation of water volume rate</li> <li>check water volume rate against product information recommendations</li> <li>flow rate adjusted to distribution system</li> </ul>	x		
4.2       the applicator       relating to the applible being used for the assessment         4.2       Calibrate the applicator and record relevant data       The candidate is recalibrate the applic record relevant data         4.3       Calibrate the applicator and record relevant data       The candidate to record relevant data	equired to icator and ata	<ul> <li>pump</li> <li>on/off</li> <li>filters</li> <li>nozzle(s)/disc(s)/distribution system</li> <li>other components/controls specific to the applicator</li> <li>Met ✓ Not Met</li> <li>Calibration may include:</li> <li>calculation of water volume rate</li> <li>check water volume rate against product information recommendations</li> <li>flow rate adjusted to distribution system</li> </ul>	x		
Unit 157     Calibrate the applicator and record relevant data     The candidate is re calibrate the applic record relevant data       4.3     Candidate to record	equired to icator and ata	<ul> <li>on/off</li> <li>filters</li> <li>nozzle(s)/disc(s)/distribution system</li> <li>other components/controls specific to the applicator</li> <li>Met ✓ Not Met</li> <li>Calibration may include:</li> <li>calculation of water volume rate</li> <li>check water volume rate against product information recommendations</li> <li>flow rate adjusted to distribution system</li> </ul>	x		
Unit 157Calibrate the applicator and record relevant dataThe candidate is re calibrate the applic record relevant data4.3Candidate to record	licator and ata	<ul> <li>filters</li> <li>nozzle(s)/disc(s)/distribution system</li> <li>other components/controls specific to the applicator</li> <li>Met ✓ Not Met</li> <li>Calibration may include:</li> <li>calculation of water volume rate</li> <li>check water volume rate against product information recommendations</li> <li>flow rate adjusted to distribution system</li> </ul>	x		
Unit 157       and record relevant data       calibrate the applic record relevant data         4.3       Candidate to record	licator and ata	<ul> <li>nozzle(s)/disc(s)/distribution system</li> <li>other components/controls specific to the applicator</li> <li>Met ✓ Not Met</li> <li>Calibration may include:</li> <li>calculation of water volume rate</li> <li>check water volume rate against product information recommendations</li> <li>flow rate adjusted to distribution system</li> </ul>	× □		
Unit 157       and record relevant data       calibrate the applic record relevant data         4.3       Candidate to record	licator and ata	<ul> <li>other components/controls specific to the applicator</li> <li>Met ✓ Not Met</li> <li>Calibration may include:</li> <li>calculation of water volume rate</li> <li>check water volume rate against product information recommendations</li> <li>flow rate adjusted to distribution system</li> </ul>	x □		
Unit 157       and record relevant data       calibrate the applic record relevant data         4.3       Candidate to record	licator and ata	applicator Met ✓ Not Met Calibration may include: • calculation of water volume rate • check water volume rate against product information recommendations • flow rate adjusted to distribution system	x 🗆		
Unit 157       and record relevant data       calibrate the applic record relevant data         4.3       Candidate to record	licator and ata	Met ✓ Not Met         Calibration may include:         calculation of water volume rate         check water volume rate against product information recommendations         flow rate adjusted to distribution system	x 🗆		
Unit 157       and record relevant data       calibrate the applic record relevant data         4.3       Candidate to record	licator and ata	<ul> <li>calculation of water volume rate</li> <li>check water volume rate against product information recommendations</li> <li>flow rate adjusted to distribution system</li> </ul>			
4.3 record relevant data Candidate to record	ata	<ul> <li>check water volume rate against product information recommendations</li> <li>flow rate adjusted to distribution system</li> </ul>			
4.3 Candidate to recor		<ul><li>information recommendations</li><li>flow rate adjusted to distribution system</li></ul>			
Candidate to <b>recor</b>	rd relevant	• flow rate adjusted to distribution system			1 -
	rd relevant				
	rd relevant	Calibration data may include:			
Calibration data		-			
		<ul> <li>applicator used</li> </ul>			
		walking speed			
		<ul> <li>nozzle(s) fitted (swath width if appropriate)</li> </ul>			
		<ul> <li>disc(s) fitted (swath width if appropriate)</li> </ul>			
		pressure setting			
		wick priming time			
		Met ✓ Not Met	x 🗆		
Measure and calculate the Candidate to calcul		To include:			
Unit 157 area/target to be treated area/target to be treated	reated	Accurate calculation of area/target			
4.4		Met ✓ Not Met	x 🗌		
Calculate the quantities of Candidate to calcu		To include if applicable:			
Unit 157 pesticide and water quantities required		<ul> <li>amount of water required for specified area</li> </ul>			
4.5 required, if applicable area calculated in 4 tank	<b>4.4</b> and full	• amount of pesticide required for specified area			
4.0		<ul> <li>amount of pesticide required for full tank/container</li> </ul>			
Moosure the required	aura and	Met ✓ Not Met	×⊔		
Unit 157 Measure the required Candidate to meas add quantities requ		To include all of the following:			
applicator, or attach the area/target spec		<ul> <li>correct selection and use of PPE(as required by the product label, COSHH/Risk Assessment)</li> </ul>			
5.1 pesticide container 4.4 or attach pestici		<ul> <li>suitable site selected</li> </ul>			
container		<ul> <li>add product following product recommendations</li> </ul>			
		and approved procedures			
		correct use of water supply			
		accurate measurement of water			
		<ul> <li>accurate measurement of pesticide</li> </ul>			
		avoidance of spillage			
		or			
		attach pesticide container			
		Met ✓ Not Met	x 🗆		
Unit 157 Demonstrate safe and accurate application The candidate is real treat the area/target		May include:			
procedures demonstrating saf		treatment area/target clearly identified			
5.2 accurate application		walking speed maintained			
procedures		accurate switch on/off points			
		accurate matching of bouts			
		obstacles dealt with correctly (if applicable)			
		walking direction			
		area treated minimising overlaps and misses			
		<ul> <li>awareness of changing weather conditions and appropriate action taken (if applicable)</li> </ul>			
		Met ✓ Not Met	x 🗖		

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	C A	AND B	IDAT C	TE 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	<ul> <li>To include:</li> <li>prevention of personal injury and contamination through correct selection and use of PPE (as required by the product information, COSHH/Risk Assessment)</li> <li>prevention of public/bystander contamination</li> <li>safe filling procedure</li> <li>avoidance of off target application</li> <li>avoidance of over dosing/under dosing</li> </ul>				
			crop/target/plant material Met ✓ Not Met X				
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	Completion of the treatment record must be: • accurate • legible (if handwritten) Met ✓ Not Met X				
Unit 157 6.1	Explain how to manage surplus pesticide and dispose of waste material	Supplied by the Assessor Candidate to <b>explain one</b> method of managing surplus concentrate pesticide	<ul><li>Explanation may include:</li><li>return to temporary mobile store</li><li>return to fixed store</li></ul>				
		Candidate to <b>explain one</b> method of dealing with waste containers or packaging	Containers: • triple rinsed • placed in secure storage until disposal • returned to supplier • collected by licensed waste contractor				
			<ul> <li>Packaging:</li> <li>thoroughly emptied</li> <li>placed in secure storage until disposal</li> <li>collected by licensed waste disposal contractor</li> </ul>				
		Candidate to <b>explain two</b> methods of managing surplus dilute pesticides	<ul> <li>Explanation may include:</li> <li>back on to area/target as long as it is below the maximum dose rate</li> <li>use on another approved area/target</li> <li>treated by specialist treatment facility on site (e.g. a lined bio bed)</li> </ul>				
			collected by a licensed waste disposal contractor     Met ✓ Not Met X				
Unit 157 6.2	Explain how to clean and decontaminate the applicator	Candidate to <b>explain four</b> factors that need to be considered when cleaning the applicator	<ul> <li>May include:</li> <li>select and use correct PPE</li> <li>selection of an appropriate site for cleaning the applicator</li> </ul>				
			<ul> <li>triple rinse the applicator following product information recommendations</li> <li>through flushing of system</li> <li>safe disposal of contaminated washings in an appropriate manner following good practice</li> </ul>				
			safe procedures followed     Met ✓ Not Met X				
Unit 157 6.3	Describe the storage requirements for the applicator	Candidate to <b>describe three</b> factors to consider when storing the sprayer/applicator	May include: • 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				
			Met ✓ Not Met X				

Candidate A	Candidate <b>has met</b> all of the assessment criteria	Tick ✓	The Candidate <b>has not</b> met all of the assessment criteria; <b>(state reason(s))</b>	Tick ✓
	Signed: D	ate:		

Candidate B	Candidate <b>has met</b> all of the assessment criteria	Tick ✓	The Candidate <b>has not</b> met all of the assessment criteria; <b>(state reason(s))</b>	Tick ✓		
	Signed: Date:					

Candidate C	Candidate <b>has met</b> all of the assessment criteria	Tick ✓	The Candidate <b>has not</b> met all of the assessment criteria; <b>(state reason(s))</b>	Tick ✓		
	Signed: Date:					

Candidate D	Candidate <b>has met</b> all of the assessment criteria	Tick ✓	The Candidate <b>has not</b> met all of the assessment criteria; <b>(state reason(s))</b>	Tick ✓
	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 ✓
I observed an assessment process taking place. The following were noted as areas of concern.	Tick ✓
Signed: Date:	