# CITY & GUILDS LEVEL 2 AWARD IN THE SAFE APPLICATION OF PESTICIDES USING PEDESTRIAN HAND HELD EQUIPMENT (QCF) (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 (QCF) (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)

Learning Time	1 5 1	LT 28 (3 Credits)
(LT)	1 5 2	LT 28 (3 Credits)
	1 5 3	LT 28 (3 Credits)
	1 5 4	LT 28 (3 Credits)
	1 5 5	LT 28 (3 Credits)
	1 5 6	LT 28 (3 Credits)
	1 5 7	LT 28 (3 Credits)
		(* see note on page 2)
Recommended Assessment Duration		1.5 – 3 hours per Candidate
Pre-Requisite Units	1 0 1	Principles of Safe Handling and Application of Pesticides (PA1)

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

#### What is the Qualifications and Credits Framework?

OFQUAL have introduced the Qualifications and Credit Framework (QCF) to increase flexibility for learners and employers. Qualifications may be built up from individual units according to rules of combination. The units are compiled by City and Guilds NPTC and agreed with the Chemicals Regulation Directorate of the Health and Safety Executive.

#### **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.

#### \* Learning Time (LT)

Learning Time (LT) is a better indicator of the time requirement needed for a candidate to achieve competence in this qualification. It has replaced Guided Learning Hours (GLH) which are defined as "tutor or teacher led hours". LT is defined as "a notional measure of the learning time a typical learner might be expected to take to complete and achieve all learning outcomes". It takes into account prior learning and encompasses: formal learning (including classes, tutorials, on line tuition), coaching and mentoring, practical work, relevant IT activity, information retrieval, expected private study and revision, work-based activity which leads to assessment, practice to achieve competence, formative assessment, programme planning and feedback.

#### Access to Assessment

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

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

The assessment consists of seven optional units:

Unit 151 (PA6A)	(Optional)	(Credit Value 3)	(Print pages <b>7 – 11</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 ope	sess the environmental factor d and interpret product infor pare and calibrate a hand herate the application equipm	ns relating to applicator use (Criteria 1.1 – 1.2) ors relating to mixing and application (Criteria 2.1 – 2.2) rmation (Criteria 3.1 – 3.2) neld pedestrian applicator (Criteria 4.1 – 4.6) nent (Criteria 5.1 – 5.4) rocedures (Criteria 6.1 – 6.3)
Unit 152 (PA6AW)	(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 ass Be able to rea Be able to pre Be able to ope	sess the environmental factored and interpret product inforpare and calibrate a hand herate the application equipm	ns relating to applicator use (Criteria 1.1 – 1.2) pors relating to mixing and application (Criteria 2.1 – 2.2) rmation (Criteria 3.1 – 3.2) neld pedestrian applicator (Criteria 4.1 – 4.6) nent (Criteria 5.1 – 5.4) rocedures (Criteria 6.1 – 6.3)
Unit 153 (PA6G)	(Optional)	(Credit Value 3)	(Print pages 18 – 21 plus 39)
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	sess the environmental factored and interpret product inforpare and calibrate a hand be the applicator (Criter	ns relating to applicator use (Criteria 1.1 – 1.2) rors relating to the application site (Criteria 2.1 – 2.2) rmation (Criteria 3.1 – 3.2) neld pedestrian applicator (Criteria 4.1 – 4.6) ria 5.1 – 5.4) roccedures (Criteria 6.1 – 6.3)

Unit 154 (PA6GW)	(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 asso Be able to read Be able to prep Be able to ope	ess the environmental factor d and interpret product informate pare and calibrate a hand he prate the applicator (Criteri	s relating to applicator use (Criteria 1.1 – 1.2) rs relating to the application site (Criteria 2.1 – 2.2) mation (Criteria 3.1 – 3.2) eld pedestrian applicator (Criteria 4.1 – 4.6) a 5.1 – 5.4) ocedures (Criteria 6.1 – 6.3)
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 asso Be able to read Be able to prep 4.3) Be able to insta	ess the environmental factor d and interpret product informate pare pesticide plug applicational pesticide plugs (Criteria	relating to pesticide plug installation (Criteria 1.1 – 1.2) rs relating to the installation site (Criteria 2.1 – 2.2) mation (Criteria 3.1 – 3.2) on equipment and calculate numbers of plugs required (Criteria 4.1 – a 5.1 – 5.3) ocedures (Criteria 6.1 – 6.3)
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 asso Be able to read Be able to prep Be able to inject	ess the environmental facto d and interpret product infor pare and calibrate the pestic ct pesticide (Criteria 5.1 –	s relating to pesticide injection equipment (Criteria 1.1 – 1.2) rs relating to the site (Criteria 2.1 – 2.2) mation (Criteria 3.1 – 3.2) cide injection equipment (Criteria 4.1 – 4.4) 5.4) ocedures (Criteria 6.1 – 6.3)
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 asso Be able to read Be able to prep Be able to ope	ess the environmental facto d and interpret product infor pare and calibrate a hand he rate the application equipme	s relating to applicator use (Criteria 1.1 – 1.2) rs relating to the site (Criteria 2.1 – 2.2) mation (Criteria 3.1 – 3.2) eld applicator (Criteria 4.1 – 4.5) ent (Criteria 5.1 – 5.4) ocedures (Criteria 6.1 – 6.3)

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

#### There are no endorsements for this Award.

#### **Quality Assurance**

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

Approved Assessors will be subject to a regular visit by a Verifier at a time when assessments are being undertaken.

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

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

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

#### **Performance Evaluation**

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

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

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

### **Appeals and Equal Opportunities**

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

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

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

#### Validation of Equipment

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

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

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

Summary of responsibilities in the assessme	nt 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	Α	Name:		Da	te:	Start Time:	Dura	atior	ո։		
Candidate	В	Name:		Da	te:	Start Time:	Dura	atior	ո։		
Candidate	C	Name:		Da	te:	Start Time:	Dura	atior	1:		
Candidate	D	Name:		Da	te:	Start Time:	Dura	atior	ո։		
CRITERIA NUMBER		ASSESSMENT CRITERIA	ASSESSOR GUIDANCE			SSESSMENT ACTIVITIES		A	AND B	IDAT	TE D
Unit 151 1.1	requapp han	cribe the legal uirements relating to lying pesticides using d held pedestrian ipment	Candidate to describe two operator's obligations in terms of legal requirement		complies with le comply with The (Sustainable Us the operator mu	rds are in place and equipning all requirements Plant Protection Products P					
					certification for	the equipment they are usir Met√ Not					
Unit 151 1.2	pes han equ	ccribe how to apply ticides safely using d held pedestrian ipment following ustry best practice	Candidate to <b>describe on</b> operator safety regulation terms of using hand held pedestrian equipment		<ul><li>adopt industry b</li><li>be aware of any</li></ul>	sticides Codes of Practice	ed by				
			Candidate to <b>describe</b> the differences in technique fo overall treatment and spot treatment	r	<ul><li>consistent nozz</li><li>accurate on/off</li><li>matching of bound</li></ul>	ng speed g to maintain constant press le height points	sure				
			Three required for each technique			e nozzle uitable height	Met X				
Unit 151 2.1		ntify risks to the ironment	Candidate to identify all relevant risks to the environment for the application site		May include the follo ground conditio water courses drains boreholes environmental r wildlife non-target plant sensitive crops/ hedgerows housing public access other risks parti	wing: ns nargins/strips/areas s areas					

CRITERIA	ASSESSMENT	ASSESSOR	ASSESSMENT		AND		
NUMBER	CRITERIA	GUIDANCE	ACTIVITIES	Α	В	С	D
Unit 151	Explain how to minimise risks to the environment	Candidate to <b>explain</b> how to minimise the risks identified	Explanation may include the following points:				
		in <b>2.1</b>	* *				
2.2							
			. ,				
			appropriate timing or application				
		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	use of an anemometer at suitable height or visual				
		comment on wind speed and	signs				
		direction	wind direction				
1		Candidate to state five	May include:				
1		factors that affect spray drift	·				
		l and an out of the first					
			·				
			<u> </u>				
			_				
			• derective equipment				
			Met ✓ Not Met X				
	Read product information	The candidate is required to	To include the following:				
Unit 151	Late was at a see door	read and interpret the	product name				
3.1	Interpret product information	and provide <b>relevant</b> information as requested by	active substance(s) (ingredient(s))  Important information:				
Unit 151		the Assessor	•				
0.0		Note to the Assessor: A					
3.2		product label is required. It is					
		expected that the candidate					
		will provide the product label		_	l	_	
		The label provided must be	maximum number of treatments				
		for a currently approved	May include the following:				
		product and appropriate to	avoid off target application  observe buffer zones  inform neighbours  erect warning signs  use an appropriate pesticide (minimal environmental impact)  appropriate timing of application  ididate to state the on for minimising spray or off target application  ididate to check and ment on wind speed and ition  ididate to state five rs that affect spray drift  May include:  • weather conditions  • direction of spraying  • nozzle type and size  • pressure  • walking speed  • nozzle height  • rotary atomiser speed  • defective equipment  Met ✓ Not Met X   To include the following:  • active substance(s) (ingredient(s))  Important information:  • specific product label  abel provided must be currently approved tard appropriate to andidates normal work iton  to the Candidate  essor also to note): It is plable for key maiton on a profit protection  • specific product precautions/warnings  • operator protection  • environmental protection  • restrictions on use  Crop page(ic information:  • crop/target  • dose rate  • water volume  • timing  Mixing and spraying:  • filling  • reduced volume application  • observe buffer zones  inform neighbours  • appropriate te tenting of application  • use of an anemometer at suitable height or visual signs  wind direction  May include:  • weather conditions  • direction of spraying  • nozzle type and size  • pressure  • walking speed  • nozzle height  • rotary atomiser speed  • defective equipment   Met ✓ Not Met X   To include the following:  • active substance(s) (ingredient(s))  Important information:  • specific product precautions/warnings  • operator protection  • restrictions on use  • specific information:  • crop/target  • dose rate  • water volume  • timing  Product and propriodie to applications (if applicable)  • recommended nozzles  • recommended pressure  • spray quality				
		the candidates normal work situation	operator protection				
		Situation	environmental protection				
		Note to the Candidate	restrictions on use				
		(Assessor also to note): It is					
		highlighted for use during the					
		assessment					
			• timing	Ш			
			reduced volume applications (if applicable)				
			recommended nozzles				
			recommended pressure				
			spray quality				
1			, ,				
			Met ✓ Not Met X	Ш	Ш	Ш	Ш
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Unit 151 4.1  Caption pre-sus checks to the springer/applicator being pre-sus-chackers relevant to the springer/applicator and checkers attained by operation application and checkers attained by operation application and springer pre-sus-chackers attained by operation application and springer pre-sus-chackers attained by the recipient of application requirements and select the correct pre-sus-chackers and springer purposes.  Unit 151 4.2  Unit 151  Captions the pre-sus-chackers attained by operation and checkers attained by operation application requirements and select the correct pre-sus-chackers attained by operation application requirements and select the correct pre-sus-chackers attained by the recipient of application requirements and select the correct pre-sus-chackers attained by the recipient of application requirements and select the correct pre-sus-chackers attained by the recipient of the selection of	CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	C.	AND B	IDA <sup>*</sup>	TE D
### Page of the properties of the page of the properties of the properties of the page of		Carry out pre use checks	Candidate to carry out all					
Unit 151   Calibrate the sprayurd proportion   Candidate to identify and control to be inspected for session with the sprayurd population or and check for satisfactory operation   Candidate to part fill the sprayurd population or and check for satisfactory operation   Candidate to identify and experiments are spray quality and ability   Candidate to identify and experiments   Candidate in check nozate notation and paper parties   Candidate in check nozate notation and paper parties   Candidate in check nozate notation and paper parties   Candidate in check nozate   Candidate in check nozat	Unit 151	to the sprayer/applicator		sprayer/applicator de-pressurised				
Link 151   Monthly suitable operating pressure and select the corract pressure selected	4.1							
## filters   Candidate to part fill the sprayer/applicator and check for satisfactory operation   Candidate to identify and contain populate sevel of responsibility and ability   Condition requirements   Candidate to identify and explain the use of two types				1				
Candidate to part fill the sprayer/applicator and check for satisfactory operation   Candidate to part fill the sprayer/applicator and check for satisfactory operation   Candidate to identify and pressure and select most select selected sele								
Candidate to part fill the sprayer/applicator and check for sastalactory operation   Candidate to identify and explain the use of two types of the decidency pressure   Candidate to identify and explain the use of two types of the decidency operation   Candidate to identify and explain the use of two types of the decidency operation   Candidate to identify and explain the use of two types of the decidency operation   Candidate to identify and explain the use of two types of the decidency operation   Candidate to identify and explain the use of two types of the decidency operation   Candidate to identify and explain the use of two types of the decidency operation   Candidate to identify and explain the use of two types of the decidency operation   Candidate to identify and explain the use of two types of the decidency operation   Candidate to identify and explain the use of two types of the decidency operation   Candidate to identify and explain the use of two types of the decidency operation   Candidate to identify and explain the use of two types of the decidency operation   Candidate to identify and explain the use of two types of the decidency operation   Candidate to identify and explain the use of two types of the decidency operation   Candidate to identify and explain the use of two types of the decidency operation   Candidate to identify and explain the use of two types   Candidate identification   Candidate identificati								
Candidate to part fill the sprayer/applicator and check for satisfactory operation   Candidate to identify and continuous intensified to be rectified if within operators level of responsibility and ability   Candidate to identify and continuous intensified to be rectified if within operators level of responsibility and ability   Candidate to identify and continuous continuous continuous surprivagilicator and check for satisfactory operation   Candidate to identify and continuous continuous surprivagilicator in requirements   Candidate to identify and continuous continuous continuous surprivagilicator in requirements   Candidate to identify and continuous								
Unit 151 4.2    Candidate to part fill the sprayer/applicator and check for sestisfactory operation   Candidate to identify and check for sesting the sesting operation   Candidate to identify and check for sesting the sesting operation   Candidate to identify and condition confirmed as suitable for operation   Candidate to identify and check for sesting the sesting operation   Candidate to identify and check for sesting the sesting operation   Candidate to identify and check for sesting the sesting operation   Candidate to identify and check for sesting the sesting operation   Candidate to identify and check for sesting the sesting operation   Candidate to identify and check for sesting the sesting operation   Candidate to identify and check for sesting   Candidate identifies   Calibration to include:    Calibrate the septime   Candidate is required to calculation of water volume rate against product information recommendations   Calibration to include:   Calibrate the sesting   Candidate to record relevant cal								
Lance   Straps								
Candidate to part fill the sprayer/applicator and check for satisfactory operation   Candidate to lettily suitable operating pressure and select macroire specifies of the sprayer/application and check for satisfactory operation   Candidate to Identify and explain the use of two types of nozzie according to application requirements   Candidate to Identify and explain the use of two types of nozzie according to application requirements   Candidate to Identify and explain the use of two types of nozzie according to application requirements   Candidate to Identify and explain the use of two types of nozzie according to application requirements   Candidate to Identify and explain the use of two types of nozzie according to application requirements   Candidate to Identify and explain the use of two types of nozzie intended for use   Candidate to Identify and explain the use of two types of nozzie intended for use   Candidate to Identify and explain the use of two types of nozzie intended for use   Candidate to Identify and explain the use of two types of nozzie intended for use   Candidate to Identify and explain the use of two types of nozzie intended for use   Candidate to Identify and explain the use of two types of nozzie intended for use   Candidate to Check nozzie intended for use   Candidate to Check nozzie   Candidate to								
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Candidate to part fill the sprayer/applicator and check for satisfactory operation   Candidate to identify and check for satisfactory operation   Candidate to identify and check for satisfactory operation   Candidate to identify and explain the use of two types of nozzle seaconding to application requirements   Candidate to identify and explain the use of two types of nozzle saccording to application requirements   Candidate to identify and explain the use of two types of nozzle seaconding to application requirements   Candidate to identify and explain the use of two types of nozzle seasons of the nozzle intended for use   Candidate to identify and explain the use of two types of nozzle seasons of the nozzle intended for use   Candidate to make the nozzle intended for use   Candidate to make the nozzle intended for use and select the correct pressure   Candidate to check nozzle use and select the correct pressure   Candidate to check nozzle   Candidate to check nozzle use and select the correct pressure selected   Candidate to check nozzle use and select the correct pressure selected   Candidate to check nozzle use and select the correct pressure selected   Candidate to check nozzle use and select the correct pressure selected   Candidate to check nozzle use and select the correct pressure selected   Candidate to check nozzle use and select the correct pressure selected   Candidate to check nozzle use and select the correct pressure selected   Candidate to check nozzle use and select the correct pressure selected   Candidate to check nozzle use and select the correct pressure selected   Calibration to include:   Calibrate the sprayer/applicator and record relevant data   Calibrate the sprayer/applicator and record				on apo				
Unit 151 4.2  Unit 151 Candidate to part fill the sprayer/applicator and chock for salisfactory operation  Unit 151 Candidate to identify and pressure and select nozzle condition requirements application requirements  Fit the required nozzle for use and select the correct pressure  Fit the required nozzle for use and select the correct pressure  Candidate to check nozzle condition and spray pattern using any appropriate method  Unit 151 Calibrate the sprayer/applicator and record relevant data  Calibrate to the Assessor: Any method of calibration may be used providing it is capable of allowing for different walking speeds and spray widths  Candidate to record relevant calibration data  Calibration data may include:  Calibration data may include:  Calibration data may				•				
Candidate to part fill the sprayer/applicator and check for satisfactory operation  Unit 151 4.2    Identify suitable operating pressure and select mozzle according to application requirements of these should be the nozzle intended for use    Candidate to identify and explain the use of two types of application requirements of these should be the nozzle intended for use    Candidate to identify and explain the use of two types of application requirements of these should be the nozzle intended for use    Candidate to identify and explain the use of two types of application requirements of these should be the nozzle intended for use    Candidate to identify and explain the use of two types of application requirements of these should be the nozzle intended for use    Candidate to identify and explain the use of two types of application requirements of the provided intended for use    Candidate to identify and explain the use of two types of the provided intended for use    Candidate to identify and explain the use of two types of the provided intended for use    Candidate to identify and explain the use of two types of the provided intended for use    Candidate to identify and explain the use of two types of the provided intended for use    Candidate to identify and explain the use of two types of the provided intended for use    Candidate to identify and explain the use of two types of the provided intended for use    Candidate to identify and explain the use of two types of the forecast provided intended for use    Candidate to identify and explain the use of two types of the forecast provided intended for use    Candidate to identify and explain the use of two types of the forecast provided intended for use    Candidate to identify and explain the use of two types of the forecast provided intended for use    Candidate to identify and explain the use of two types of the forecast provided intended for use    Candidate to identify and explain the use of two types of the forecast provided intended for use   Candida				, , , ,				
sprayer/applicator and check for satisfactory operation    Sprayer/applicator and check for satisfactory operation								
Unit 151 4.2    Identify suitable operating pressure and select nozzles according to application requirements   Candidate to identify and pressure and select nozzles according to application requirements   Candidate to record relevant data   Candidate to identify and pressure and select nozzles according to application requirements   Candidate to identify and pressure and select nozzles according to application requirements   Candidate to record relevant data   Candidate to identify and pressure and select nozzle for use   Candidate to record relevant data   Candi								
Unit 151 4.2  Unit 151 Calibrate the sprayer/applicator and record relevant data  Candidate to check nozzle condition and spray pattern using any appropriate method  Calibrate the sprayer/applicator and record relevant data  Calibration that sprayer/applicator and record relevant data  Calibration that calibration may be used providing it is capable of application of water volume rate sprayer/applicator and calibration may be used providing it is capable of application of water volume rate application recommendations  Calibration that calibration may be used providing it is capable of application recommendations  Calibration the calibration may be used providing it is capable of application used in formation data  Calibration that calibration may be used providing it is capable of applicator used  Candidate to record relevant calibration data  Calibration that calibration data  Calibration data may include:  applicator used  applicator used  Calibration data may include:  applicator used  applicator us								
Unit 151 4.2    Identify suitable operating pressure and select nozzles according to application requirements   Candidate to identify and explain the use of two types of nozzle application requirements   Candidate to identify and explain the use of two types of nozzle application requirements   Candidate to record relevant data   Calibrate the sprayer/applicator and record relevant data   Calibration may be used providing it is capable of allowing for different walking speed and speed of the speed of the provision of the candidate is required to application requirements   Calibration to data   Calibration to data   Calibration   Calibration data   Calibration			operation	·				
Unit 151 4.2    Identify suitable operating pressure and select nozzles according to application requirements   Candidate to Identify and explain the use of two types of nozzle   Note to the Assessor: One of these should be the nozzle intended for use   Intended for insecticide and fungicide treatment   Intended for insecti								
Unit 151 4.2    Identify suitable operating pressure and select mozel's according to application requirements   Candidate to identify and explain the use of two types of nozzle   Candidate to identify and explain the use of two types of nozzle   Candidate to identify and explain the use of two types of nozzle   Candidate to identify and explain the use of two types of nozzle   Candidate to identify and explain the use of two types of nozzle   Candidate to identify and explain the use of two types of nozzle   Candidate to identify and explain the use of two types of nozzle   Candidate to identify and explain the use of two types of nozzle   Candidate to identify and explain the use of two types of nozzle   Candidate to identify and explain the use of two types of nozzle   Candidate to identify and explain the use of two types of nozzle   Candidate to identify and explain the use of two types of these should be the nozzle   Candidate to identify and explain the use of two types of these should be the nozzle   Candidate to identify and explain the use of two types of these should be the nozzle   Candidate to identify and explain the use of two types of these should be the nozzle   Candidate to identify and explain the use of two types of these should be the nozzle   Candidate to identify and explain the use of two the application and specifically and include:    Calibrate the sprayer/applicator and record relevant data   Calibrate the sprayer/applicator and record relevant   Calibrate the sprayer/applicator and record relevant   Calibration data may include:   Calibration to include:   Calibration to include:   Calibration to include:   Calibration to include:				condition confirmed as suitable for operation				
## desplay the use of two types of nozzle and select nozzle application requirements  ### A.2  ### A.3  ### Pressure and select nozzle application requirements  ### Pit the required nozzle for use and select the correct pressure  ### Calibrate the sprayer/applicator and record relevant data  ### Calibrate to record relevant calibration may be used providing it is capable of allowing for different walking speeds and spray widths  ### Calibrate to record relevant calibration data  ### Calibrate to record relevant calibration for the seasons: Any method of calibration may be used providing it is capable of allowing for different walking speeds and spray widths  #### Calibrate to record relevant calibration data  #### Calibration data may include:  #### applicator used  #### walking speed  #### walking speed  #### Not Met X				Met ✓ Not Met X				
## display the use of two types of mozzle and select nozzle application requirements  ### A.3  ### A.		Identify suitable operating	Candidate to identify and	deflector - medium/coarse spray quality.				
Note to the Assessor: One of these should be the nozzle intended for use    Fit the required nozzle for use and select the correct pressure   Calibrate the sprayer/applicator and record relevant data   The candidate is required to calibration may be used providing it is capable of allowing for different walking speeds and spray widths    Calibrate the sprayer/applicator and record relevant data   Note to the Assessor: Any method of calibration may be used providing it is capable of allowing for different walking speeds and spray widths    Calibration to include:   Calibration data   Calibration data   Calibration data   Calibration data   Calibration data   Calibration data   Calibration data may include:   a ppricator used   a pressure setting   a press	Unit 151							
Note to the Assessor: One of these should be the nozzle intended for use    full cone - medium/coarse spray quality. Suitable for spot treatment and spraying around obstacles	42		OI NOZZIE					
Fit the required nozzle for use and select the correct pressure	7.2	.,,						
Fit the required nozzle for use and select the correct pressure				p approximation				
Fit the required nozzle for use and select the correct pressure    Candidate to check nozzle condition and spray pattern using any appropriate method record relevant data    Calibrate the sprayer/applicator and record relevant data   Candidate to check nozzle condition and spray widths			interlace for acc				_	
Fit the required nozzle for use and select the correct pressure    Candidate to check nozzle condition and spray pattern using any appropriate method   Calibrate the sprayer/applicator and record relevant data   Note to the Assessor: Any method of calibration may be used providing it is capable of allowing for different walking speeds and spray widths				for spot treatment and spraying around obstacles			Ш	
Fit the required nozzle for use and select the correct pressure    Candidate to check nozzle condition and spray pattern using any appropriate method   Calibrate the sprayer/applicator and record relevant data   Note to the Assessor: Any method of calibration may be used providing it is capable of allowing for different walking speeds and spray widths				fan nozzle - fine, medium or coarse spray quality.				
Fit the required nozzle for use and select the correct pressure    To include:								
Fit the required nozzle for use and select the correct pressure    To include:								
Fit the required nozzle for use and select the correct pressure  Candidate to check nozzle condition and spray pattern using any appropriate method  Calibrate the sprayer/applicator and record relevant data  Calibrate the sprayer/applicator and record relevant data  Note to the Assessor: Any method of calibration may be used providing it is capable of allowing for different walking speeds and spray widths  Candidate to record relevant calibration data  Calibration to include:  • calculation to include:  • calculation of water volume rate  • check water volume rate against product information recommendations  Calibration data  Calibration data may include:  • applicator used  • walking speed  • nozzle (s) fitted (spray width if appropriate)  • pressure selting  • flow rate					П	П	П	
use and select the correct pressure    Suitable nozzle selected								
Pressure    Calidate to check nozzle condition and spray pattern using any appropriate method   Calibrate the sprayer/applicator and record relevant data   Calibration data   Calibrat						_		
Candidate to check nozzle condition and spray pattern using any appropriate method  Calibrate the sprayer/applicator and record relevant data  Calibrate the sprayer/applicator and record relevant data  Note to the Assessor: Any method of calibration may be used providing it is capable of allowing for different walking speeds and spray widths  Candidate to record relevant calibration data  Calibration data may include:  • correct pressure selected  □ □ □ □ □ □  Met ✓ Not Met X  □ □ □ □  Calibration to include:  • calculation of water volume rate  • check water volume rate against product information recommendations  Calibration data may include:  • applicator used  • walking speed  • nozzle(s) fitted (spray width if appropriate)  • pressure setting  • flow rate								
Candidate to check nozzle condition and spray pattern using any appropriate method  Calibrate the sprayer/applicator and record relevant data  Note to the Assessor: Any method of calibration may be used providing it is capable of allowing for different walking speeds and spray widths  Candidate to record relevant calibration data  Calibration data may include:  ■ Calibration data may include:  ■ applicator used  ■ walking speed  ■ nozzle(s) fitted (spray width if appropriate)  ■ pressure setting  ■ flow rate				-				
Calibrate the sprayer/applicator and record relevant data  Calibrate the sprayer/applicator and record relevant data  Calibration to include:  • nozzle undamaged • correct spray pattern for nozzle  Met ✓ Not Met X  Calibrate the sprayer/applicator and record relevant data  Calibration to include: • calculation of water volume rate • check water volume rate against product information recommendations  Note to the Assessor: Any method of calibration may be used providing it is capable of allowing for different walking speeds and spray widths  Candidate to record relevant calibration data  Calibration data may include: • applicator used • walking speed • nozzle(s) fitted (spray width if appropriate) • pressure setting • flow rate				Correct pressure selected				
using any appropriate method  Calibrate the sprayer/applicator and record relevant data  Calibrate the sprayer/applicator and record relevant data  Note to the Assessor: Any method of calibration may be used providing it is capable of allowing for different walking speeds and spray widths  Candidate to record relevant calibration data  Calibration data may include:  applicator used  walking speed  nozzle(s) fitted (spray width if appropriate)  pressure setting  flow rate				To include:				
Unit 151 4.3  Calibrate the sprayer/applicator and record relevant data  The candidate is required to calibrate the sprayer/applicator and record relevant data  Note to the Assessor: Any method of calibration may be used providing it is capable of allowing for different walking speeds and spray widths  Candidate to record relevant calibration data  Calibration to include:  • calculation of water volume rate against product information recommendations  Calibration to include:  • calculation of water volume rate against product information recommendations  Calibration data may include:  • applicator used  • walking speed  • nozzle(s) fitted (spray width if appropriate)  • pressure setting  • flow rate				_				
Unit 151 4.3  Calibrate the sprayer/applicator and record relevant data  The candidate is required to calibrate the sprayer/applicator and record relevant data  The candidate is required to calibration to include:  • calculation of water volume rate  • check water volume rate against product information recommendations  Note to the Assessor: Any method of calibration may be used providing it is capable of allowing for different walking speeds and spray widths  Candidate to record relevant calibration data  Calibration to include:  • calculation of water volume rate  • check water volume rate against product information recommendations  Calibration data may include:  • applicator used  • walking speed  • nozzle(s) fitted (spray width if appropriate)  • pressure setting  • flow rate				correct spray pattern for nozzle				
Unit 151 4.3 sprayer/applicator and record relevant data  calibrate the sprayer/applicator and record relevant data  Note to the Assessor: Any method of calibration may be used providing it is capable of allowing for different walking speeds and spray widths  Candidate to record relevant calibration data  Calibrate the sprayer/applicator and record relevant data  Calculation of water volume rate  check water volume rate value information				Met ✓ Not Met X				
**Sprayer/applicator and record relevant data**  Note to the Assessor: Any method of calibration may be used providing it is capable of allowing for different walking speeds and spray widths  Candidate to record relevant calibration data  Calibration data may include:  **applicator used**  **walking speed**  **nozzle(s) fitted (spray width if appropriate)*  **pressure setting**  **pressure setting**  **pressure setting**  **nozzle(s) fitted (spray width if appropriate)*  **pressure setting**  *pressure setting**  **pressure setting**  **press	11-24-454			Calibration to include:				
A.3  Note to the Assessor: Any method of calibration may be used providing it is capable of allowing for different walking speeds and spray widths  Candidate to record relevant calibration data  Calibration data may include:  applicator used  walking speed  nozzle(s) fitted (spray width if appropriate)  pressure setting  flow rate	Unit 151							
Note to the Assessor: Any method of calibration may be used providing it is capable of allowing for different walking speeds and spray widths  Candidate to record relevant calibration data  Calibration data may include:  applicator used  walking speed  mozzle(s) fitted (spray width if appropriate)  pressure setting  flow rate	4.3	10001a 1010vani data		and the state against product				
method of calibration may be used providing it is capable of allowing for different walking speeds and spray widths  Candidate to record relevant calibration data  Calibration data may include:  applicator used  walking speed  nozzle(s) fitted (spray width if appropriate)  pressure setting  flow rate			Note to the Assessor: Any	inionnation recommendations				
used providing it is capable of allowing for different walking speeds and spray widths  Candidate to record relevant calibration data  Calibration data may include:  applicator used  walking speed  nozzle(s) fitted (spray width if appropriate)  pressure setting  flow rate								
Speeds and spray widths  Candidate to record relevant calibration data  Calibration data  Calibration data may include:  applicator used  walking speed  nozzle(s) fitted (spray width if appropriate)  pressure setting  flow rate			used providing it is capable of					
Candidate to record relevant calibration data  Calibration data may include:  applicator used  walking speed  nozzle(s) fitted (spray width if appropriate)  pressure setting  flow rate			allowing for different walking speeds and spray widths					
calibration data  • applicator used • walking speed • nozzle(s) fitted (spray width if appropriate) • pressure setting • flow rate								
walking speed     nozzle(s) fitted (spray width if appropriate)     pressure setting     flow rate				•				
<ul> <li>nozzle(s) fitted (spray width if appropriate)</li> <li>pressure setting</li> <li>flow rate</li> </ul>			Galibration data	• •				
pressure setting     flow rate								
• flow rate								
Met ✓ Not Met X								
				Met ✓ Not Met X	Ш	Ш	Ш	Ш

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

CRITERIA	ASSESSMENT	ASSESSOR	ASSESSMENT	C	AND	IDA <sup>-</sup>	TE
NUMBER	CRITERIA	GUIDANCE	ACTIVITIES	A	В	С	D
	Explain how to manage	Candidate to explain one	May include:				
Unit 151	surplus pesticide and dispose of waste material	method of dealing with	return to temporary mobile store				
6.1	dispose of waste material	surplus concentrate pesticide	return to fixed store				
0.1		Candidate to explain one	Containers:				
		methods of dealing with	triple rinsed				
		waste containers or	placed in secure storage until disposal				
		packaging	returned to supplier				
			collected by a licensed waste disposal contractor				
			Packaging:				
			thoroughly emptied				
			placed in secure storage until disposal				
			collected by a licensed waste disposal contractor				
			concessed by a needless made disposal contractor		_		
		Candidate to explain two	May include:				
		methods of dealing with surplus dilute pesticide	back on to site as long as it is below the maximum				
		Surpius dilute pesticide	dose rate				
			use on another approved crop/target				
			<ul> <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				
	Evaloin how to aloon and	Condidate to explain face		Ш	Ш		Ш
Unit 151	Explain how to clean and decontaminate the	Candidate to explain four factors that need to be	May include:  • select and use appropriate PPE				
	sprayer/applicator	considered when cleaning	<ul> <li>select and use appropriate PPE</li> <li>appropriate site</li> </ul>				
6.2		and decontaminating the	thorough washing with water and suitable				
		sprayer	cleaning agent (if recommended/required)				
			internal and external surfaces				
			care to ensure contamination 'hot-spots' are clean				
			thorough flushing of system				
			safe disposal of contaminated washings				
			when cleaning should take place				
			safe procedures followed				
			Met ✓ Not Met X				
	Describe the storage	Candidate to describe three	May include:			F	$\vdash$
Unit 151	requirements for the	factors to consider prior to	ensure the applicator is clean and dry				
6.0	sprayer/applicator	storing the applicator	inspect for wear and damage				
6.3			replace any worn or damaged parts				
			frost protection measures implemented				
			lubricate as required				
			store undercover and out of direct sunlight				
			store in a secure area				
			Met ✓ Not Met X				
			MIEC, MOCHIEL X				٣

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

	,		,	,						
Candidate A	A Name:		Dat	te:	Start Time:	Dura	ation	1:		
Candidate E	Name:		Dat	e:	Start Time:	Dura	ation	1:		
Candidate C	Name:		Dat	te:	Start Time:	Dura	ation	1:		
Candidate D	Name:		Dat	te:	Start Time:	Dura	ation	1:		
CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE			SSESSMENT ACTIVITIES		C.	AND B	IDAT C	ΓE
Unit 152 r	Describe the legal requirements relating to applying pesticides to or near water using hand held pedestrian equipment	ASSESSOR GUIDANCE Candidate to describe two operator's obligations in terms of legal requirements  Candidate to state two legal requirements when applying pesticides to or near water  Candidate to describe one		<ul> <li>complies with leg</li> <li>comply with The (Sustainable Use</li> <li>the operator must</li> </ul>	ds are in place and equipments Plant Protection Products P) Regulations 2012 St hold the appropriate the equipment they are using					
		requirements when applying	ng	Both required:  • ensure the pestic	cide has aquatic approval ntal agency approval Met√ Not I					
Unit 152   p	Describe how to apply pesticides safely to or near water using hand held pedestrian equipment following industry best practice	operator safety regulation terms of using hand held	andidate to <b>state two</b> legal uirements when applying ticides to or near water  andidate to <b>describe one</b> trator safety regulation in the sof using hand held lestrian equipment  andidate to <b>describe</b> the erences in technique for rall treatment and spot the them the transport of transport of the transport of transport	<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					
		differences in technique fo overall treatment and spot treatment  Three required for each	r	<ul> <li>regular pumping</li> <li>consistent nozzle</li> <li>accurate on/off p</li> <li>matching of bout</li> <li>avoidance of off</li> </ul>	ng speed to maintain constant pressue height points ts target application	ure				
				<ul><li>maintaining a su</li><li>timed treatment</li><li>avoidance of unc</li></ul>	nozzle itable height					
		water  Candidate to state four		May include the follow wet or dry ditche drainage channe streams rivers canals ponds lakes/lochs reservoirs and areas immedia	es els					
		considerations in terms of using hand held pedestriar equipment in the aquatic	1	availability of a s	ility before applying second person on site ring/rescue devices Met ✓ Not I	Met X				

	ASSESSMENT	ASSESSOR	ASSESSMENT	C	<u>AND</u>	IDA'	TE
NUMBER	CRITERIA	GUIDANCE	ACTIVITIES	Α	В	С	D
Unit 152	Identify risks to the aquatic		_				
Offic 152	environment						
2.1		site					
			1				
				ACTIVITIES  A B C  Ciclude the following: round conditions iidlifie on-target plants nvironmental margins/strips/areas edgerows ousing ublic access ensitive crops/areas ater courses oreholes vestock drinking points acceational use of water body/course ater extraction points e-oxygenation of water emoval of fish cover emoval of bankside vegetation leading to bank rosion ther risks specific to the site  Met ✓ Not Met X  Met ✓ Not Met X  Mation may include the following points: rork in an upstream direction heck weather suitability before treatment heck downstream uses before treatment heck downstream uses before treatment eek environmental agency approval se of an appropriate pesticide (minimal nnvironmental impact) ppropriate timing of treatment heck and maintain application rate void spray drift void off target application xclude livestock rect warning signs inform neighbours se of anemometer at suitable height or visual igns ind direction  voidance of contamination to people and the nvironment, including the aquatic environment  resather conditions irrection of spraying ozzle type and size ressure valking speed ozzle height baray atomiser speed			
			_				
			1				
					A       B       C         0		
				ACTIVITIES  A B C D  de the following: do conditions e e arget plants commental margins/strips/areas arows ing coacess citive crops/areas courses coles cock drinking points attional use of water body/course extraction points ygenation of water val of bankside wildlife habitat val of bankside wegetation leading to bank on risks specific to the site  Met < Not Met X  In may include the following points: in an upstream direction is weather suitability before treatment convironmental agency approval if an appropriate pesticide (minimal commental impact) priate timing of treatment and maintain application de livestock warning signs in neighbours  if anemometer at suitable height or visual differction ance of contamination to people and the comment, including the aquatic environment are reconditions ion of spraying et upe ang speed e height atomiser speed tive equipment			
		BRIA GUIDANCE  to the aquatic  Candidate to clearly all relevant environmental risks to the proposed treatment site  Nay include the following:  ground conditions  widilite  non-target plants  environmental margins/strips/areas  housing  public access  sensitive crops/areas  water courses  boreholes  ilvestock drinking points  recreational use of water body/course  water extraction points  recreational use of water body/course  water extraction points  de-oxygenation of water  removal of fish cover  removal of hist cover  removal of hankside vegletation leading to bank  erosion  other risks specific to the site  Met Y Not Met X					
			1				
			removal of bankside wildlife habitat				
						_	l
			other risks specific to the site		Ш	Ш	
			Met ✓ Not Met X				
	Explain how to minimise	Candidate to <b>explain</b> how to	Explanation may include the following points:				1
Unit 152	risks to the environment	minimise the risks identified					
0.0		in <b>2.1</b>					
2.2			<u> </u>				
			seek environmental agency approval	l			
			appropriate timing of treatment				
			check and maintain application rate				
			avoid spray drift				
			avoid off target application				
			exclude livestock				
			erect warning signs				
			inform neighbours				
		•					
			wind direction				
		Candidate to <b>state</b> the	avoidance of contamination to people and the				
		drift or off target application					
				_	_	_	
		iaciois inal allect spray drift					
			· ·				
			defective equipment				
			· ·				

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	C.	AND B	IDA <sup>1</sup>	TE D
HOMBEK	Read product information	The candidate is required to	To include the following:	^	В	C	<u> </u>
Unit 152	Troda product information	read and interpret the	product name				
3.1	Interpret product information	information on a product label and provide <b>relevant</b> information as requested by	active substance(s) (ingredient(s))				
3.2		the Assessor	Important information:				
3.2		Note to the Assessor: A	field of use (aquatic approval)				
		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 situation	specific product precautions/warnings				
		Situation	operator protection				
		Note to the Candidate	environmental protection				
		(Assessor also to note): It is acceptable for key	restrictions on use				
		information on the label to be highlighted for use during the	Crop specific information:				
		assessment	• target				
			dose rate				
			water volume				
			• timing				
			Mixing and spraying:  • filling				
			reduced volume applications (if applicable)				
			recommended nozzles				
			recommended pressure				
			spray quality				
			additional label information				
			• compatibility				
	Carry out pre use checks	Candidate to carry out all	Met ✓ Not Met X  To include:	Ш		Ш	$\sqcup$
Unit 152	to the sprayer/applicator	pre-use checks <b>relevant</b> to the sprayer/applicator being	sprayer/applicator de-pressurised				
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)      consider (if applicable)				
		Condidate to part fill the	engine (if applicable)  This shorts				
		Candidate to part fill the sprayer/applicator and	To include:  sprayer/applicator checked for leaks under				
		check for satisfactory operation	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				
			Met ≠ Not Met X				Ш

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	_	AND		
Unit 152	Identify suitable operating pressure and select	Candidate to identify and explain the use of two types	deflector - medium/coarse spray quality.     Generally used to apply herbicides				
4.2	nozzles according to application requirements	of nozzle  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 select the correct pressure	To include:     suitable nozzle selected     nozzle fitted correctly				
			correct pressure selected				
		Candidate to <b>check</b> nozzle condition and spray pattern using any appropriate method	nozzle undamaged     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:  calculation of water volume rate			П	
4.3	record relevant data	sprayer/applicator and record relevant data  Note to the Assessor: Any	check water volume rate against product information recommendations				
		method of calibration may be used providing it is capable of allowing for different walking speeds and spray widths					
		Candidate to record relevant calibration data	Calibration data may include:				
			applicator used     walking speed				
			nozzle(s) fitted (swath width if appropriate)     pressure setting				
			Met ✓ Not Met X				
Unit 152	Measure the area to be treated	Candidate to <b>measure</b> the area. The Assessor may	accurate measurement of dimensions				
4.4		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	Met ✓ Not Met X				
Unit 152	Calculate the area to be treated	Candidate to calculate the area	accurate calculation of area				
4.5	Calculate the quantities of	Candidate to calculate	Met ✓ Not Met X				
Unit 152 4.6	pesticide and water required, if applicable	quantities required for the specified area in 4.5 and a full tank	amount of water required for specified area     amount of pesticide required for specified area				
			Met ✓ Not Met X				
Unit 152 5.1	Measure the required quantities and add to the applicator, or attach pesticide container	Candidate to <b>measure</b> and <b>add</b> quantities required for the area specified in <b>4.5</b>	To include:				
3.1	position of the state of the st	Note: This may be a simulated pesticide product supplied by the	instructions for mixing sequence and agitation (or other recommended method)				
		Assessor	Calibration of include:   and record   calculation of water volume rate   calculation of area   calculation of pesticide required for specified area   calculation of water required for specified area   calculation of pesticide required for specified area   calculation of water required for specified area   calculation of pesticide required for full tank   calculation of pesticide required for full tank   calculation of pesticide required for specified area   calculation of pesticide required for full tank   calculation of manufacturers   calculation of minum sequence and agitation (or cosen the product label and/or COSH Assessment)   calculation of mixing sequence and agitation (or cosen the calculation of mixing sequence and agitation (or cosen calculation con mixing sequence and agitation (or cosen calculation con calculation con calculation con calculation con calculation calculation con calculation calculation calculation calculation calculation calculation				
				l			
			avoidance of spillage				
			attach a pesticide container				
		document in whole or in part is forhidden with		Ш	Ш	Ш	

CRITERIA NUMBER	ASSESSMENT	ASSESSOR	CE souried to To include:    bankside safety implemented				
NUMBER	CRITERIA  Demonstrate safe and			A	B	U	ען
Unit 152	accurate application	treat the area in 4.5					
<b>5</b> 2	procedures		• •				
5.2		procedures	walking speed maintained				
		i ·	<ul> <li>accurate switching on/off points</li> </ul>				
			accurate matching of bouts				
			<ul> <li>obstacles dealt with correctly (if applicable)</li> </ul>				
			<ul> <li>area treated minimising overlaps and misses</li> </ul>				
			avoidance of off target application/contamination	Ш	Ш	Ш	Ш
			Met ✓ Not Met X				
	Carry out all activities	Note to the Assessor:	To include:				<u> </u>
Unit 152 5.3	protecting human health and the environment	Assessor to be satisfied that the candidate has carried out all activities protecting human health and the environment	ACTIVITIES  A B C  To include:  bankside safety implemented  treatment area clearly identified  walking speed maintained  accurate switching on/off points  accurate switching on/off points  accurate matching of bouts  obstacles dealt with correctly (if applicable)  area treated minimising overlaps and misses  awareness of changing weather conditions and appropriate action taken (if applicable)  avoidance of off target application/contamination through correct selection and use of PPE (as required by the product information, COSHH and Risk Assessment)  prevention of public/bystander contamination  safe filling procedure  avoidance of spray drift  avoidance of off target application/contamination  safe filling procedure  avoidance of off target application/contamination  safe filling procedure  avoidance of off target application/contamination  winimising the impact on the aquatic environment  Met Y Not Met X   Completion of the treatment record must be:  accurate  legible (if handwritten)  May include:  return to temporary mobile store  return to tixed store  Containers:  triple rinsed  placed in secure storage until disposal  returned to supplier  collected by a licensed waste disposal contractor  May include:  back on to site as long as it is below the maximum dose rate  use on another approved crop/target  throughly emptied  placed in secure storage until disposal  collected by a licensed waste disposal contractor  May include:  back on to site as long as it is below the maximum dose rate  use on another approved crop/target  treated by specialist treatment facility on site (e.g. a lined bio bed)  collected by a licensed waste disposal contractor  May include:  back on to site as long as it is below the maximum dose rate  use on another approved crop/target  back on to site as long as it is below the maximum dose rate  use on another approved crop/target  throughly emptied  collected by a licensed waste disposal contractor  May include:  back of the treatment facility on site (e.g. a lined bio bed)  collected				
		Candidate to explain two methods of dealing with surplus officers that record more procedures					
		Activities  and treat the area in 4.5 demonstrating safe and accurate application procedures  barkeide safety implemented treatment area clearly identified wasking speed maintained accurate activity of points accurate waitching of bottls accurate matching of bottls back dealt with correctly (if applicable) accurate matching of bottls accurate matching of bottls back dealt with correctly (if applicable) accurate matching of bottls back dealt with correctly (if applicable) accurate accurate matching of bottls browling accurate matching of bottls browledge and contamination betwoen the Assessor: browledge and contamination browling or operation of personal injury and contamination browling correct selection and use of PPE (as required by the product information, COSHH and Risk Assessment)  browling prevention of personal injury and contamination browling or operation of personal injury and contamination browling product information, COSHH and Risk Assessment)  browling prevention of personal injury and contamination browling producting producting or operation of personal injury and contamination browling producting producting prevention of personal injury and contamination browling producting producting prevention of personal injury and contamination browling producting producting producting product					
		INA CIUDANCE  and The candidate is required to treat the area in 4.5 demonstrating safe and accurate application procedures  Note to the Assessor: Assessor to be satisfied that nent exit the area of the accurate maching of bours and appropriate action taken (if applicable)  Assessor to be satisfied that nent exit the accurate maching of bours and appropriate action taken (if applicable)  Assessor to be satisfied that nent exit the accurate maching of the accurate maching of bours and appropriate action taken (if applicable)  Assessor to be satisfied that the entire of the accurate maching of the accurate maching the accurate maching of the accurate machine and use of PFE (as a wardiance of total propertion of personal injury and contamination through correct selection and use of PFE (as a wardiance of the accurate machine)  Assessor to be satisfied that the environment and the environment  The candidate is required to complete a treatment record.  Note to the Assessor: The treatment record must be approved or if necessary supplied by the Assessor the treatment record must be approved or if necessary supplied by the Assessor the treatment approved or if necessary supplied by the Assessor the treatment accord.  Candidate to explain two methods of dealing with waste containers or packaging  Candidate to explain two methods of dealing with waste containers or packaging  Candidate to explain two methods of dealing with waste containers or packaging  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with waste containers or packaging  Candidate to explain true candidate to explain the candidate to explain the packaging and decontaminating the sprayer  Candidate to explain true candidate to explain feur and decontaminating the sprayer  Candidate to explain true and the pack of the packaging and decontaminating the sprayer  Candidate to explain feur and decontaminating the sprayer and decontaminating the sprayer and decontaminating the sprayer.  Cand					
		ACTIVITIES  A CONDICATE  The candidate is required to complete a treatment record numbre appropriate provision of the acquaint town methods of dealing with surplus containters persider  The candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplu					
			Ш	Ш	Ш		
11-14 450	Complete a treatment		Completion of the treatment record must be:				
Unit 152	record	complete a treatment record.	accurate				
5.4			legible (if handwritten)				
			Met ✓ Not Met X				
	Explain how to manage		ACTIVITIES  A B C  To include:  bankside safety implemented  treatment area clearly identified  waking speed maintained  accurate switching on/off points  accurate switching on/off points  accurate matching of bouts  botstacles dealt with correctly (if applicable)  area treated minimising overlaps and misses  awareness of changing weather conditions and appropriate action laken (if applicable)  avoidance of off target application/contamination  Met ✓ Not Met X  To include:  that did that in though correct selection and use of PPE (as required by the product information, COSHH and Risk Assessment)  prevention of public/bystander contamination  asafe filling procedure  avoidance of orby drift  avoidance orby drift	-			
Unit 152	surplus pesticide and	method of dealing with					
6.4	dispose of waste material	surplus concentrate pesticide	return to fixed store				
6.1		Candidate to explain two	Containers:				
		The candidate is required to treat the area in 4.5 demonstrating safe and accurate application procedures  Note to the Assessor: Assessor to be satisfied that the candidate has carried out all activities protecting human health and the environment  The candidate is required to complete a treatment record. Note to the Assessor: The treatment record must be approved or if necessary supplied by the Assessor  Candidate to explain one method of dealing with surplus concentrate pesticide  Candidate to explain two methods of dealing with waste containers or packaging  Candidate to explain two methods of dealing with waste containers or packaging  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide					
			•				
		packaging					
		Interest the area in 4.5 demonstrating safe and accurate application procedures  Note to the Assessor: Assessor to be satisfied that the candidate has carried out all activities protecting human health and the environment  The candidate is required to complete a treatment record. Note to the Assessor: The treatment record must be approved or if necessary supplied by the Assessor  Candidate to explain one method of dealing with surplus concentrate pesticide  Candidate to explain two methods of dealing with waste containers or packaging  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain four factors that need to be considered when cleaning and decontaminating the sprayer  May  Candidate to explain four factors that need to be considered when cleaning and decontaminating the sprayer	• •				
		treat the area in 4.5 demonstrating safe and accurate application procedures  Note to the Assessor: Assessor to be satisfied that the candidate has carried out all activities protecting human health and the environment  The candidate is required to complete a treatment record. Note to the Assessor: Note to the Assessor:  The candidate is required to complete a treatment record. Note to the Assessor: Note to the Assessor:  Note to the Assessor: The treatment record. Note to the Assessor: Note to the Assessor: The treatment record must be approved or if necessary supplied by the Assessor  Candidate to explain one method of dealing with surplus concentrate pesticide Candidate to explain two methods of dealing with waste containers or packaging  Candidate to explain two methods of dealing with waste containers or packaging  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to e					
		es eath accurate application procedures  Note to the Assessor: Assessor to be satisfied that the candidate has carried out all activities protecting human health and the environment  The candidate is required to complete a treatment record. Note to the Assessor: The treatment record must be approved or if necessary supplied by the Assessor  Candidate to explain one method of dealing with surplus concentrate pesticide  Candidate to explain two methods of dealing with waste containers or packaging  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain two methods of dealing with surplus dilute pesticide  Candidate to explain four factors that need to be considered when cleaning and decontaminating the sprayer  The candidate to explain four factors that need to be considered when cleaning and decontaminating the sprayer					
			collected by a licensed waste disposal contractor				
		methods of dealing with	back on to site as long as it is below the maximum	ACTIVITIES  A B C D			
1			<ul> <li>use on another approved crop/target</li> </ul>				
1							
			•				
			To include:  be candidate is required to explain two ethods of dealing with urpus concentrate pasticidate to explain two ethods of dealing with urpus concentrate pasticide on ocidadate to explain two ethods of dealing with urpus concentrate pasticide on ocidadate to explain two ethods of dealing with urpus collected by a licensed waste disposal contractor May include:  • archidate to explain two ethods of dealing with urpus collected by a licensed waste disposal contractor May include:  • anadidate to explain two ethods of dealing with urpus concentrate pesticide  • anadidate to explain two ethods of dealing with urpus concentrate pesticide  • anadidate to explain two ethods of dealing with urpus concentrate pesticide  • anadidate to explain two ethods of dealing with urpus concentrate pesticide  • anadidate to explain two ethods of dealing with urpus concentrate pesticide  • anadidate to explain two ethods of dealing with urpus concentrate pesticide  • anadidate to explain two ethods of dealing with urpus concentrate pesticide  • anadidate to explain two ethods of dealing with urpus concentrate pesticide  • anadidate to explain two ethods of dealing with urpus concentrate pesticide  • anadidate to explain two ethods of dealing with urpus concentrate pesticide  • anadidate to explain two ethods of dealing with urpus concentrate pesticide  • anadidate to explain two ethods of dealing with urpus concentrate pesticide  • anadidate to explain two ethods of dealing with urpus concentrate pesticide  • anadidate to explain two ethods of dealing with urpus concentrate pesticide  • anadidate to explain two ethods of dealing with urpus concentrate pesticide  • anadidate to explain two ethods of dealing with urpus concentrate pesticide  • anadidate to explain two ethods of dealing with urpus concentrate pesticide  • anadidate to explain two ethods of dealing with urpus concentrate pesticide  • anadidate to explain two ethods of dealing with urpus concentrate pesticide  • anadidate to explain two ethods of dealing with ur				
	Explain how to clean and		May include:	implemented learly identified			
Unit 152	decontaminate the		a bankside safety implemented treatment area clearly identified walking speed maintained accurate matching of bouts obstacles dealt with correctly (if applicable) area treated minimising overlaps and misses awareness of changing weather conditions and appropriate action taken (if applicable) area treated minimising overlaps and misses awareness of changing weather conditions and appropriate action taken (if applicable) area treated minimising overlaps and misses awareness of changing weather conditions and appropriate action taken (if applicable) area treated minimising overlaps and misses awareness of changing weather conditions and appropriate action taken (if applicable) area treated minimising overlaps and misses awareness of changing weather conditions and appropriate action taken (if applicable) area treated minimising overlaps and misses awareness of changing weather conditions and appropriate action taken (if applicable) area treated and used of personal injury and contamination through correct selection and use of PPE (as required by the product information, COSHH and Risk Assessment) prevention of personal injury and contamination as for filling procedure avoidance of opera dirition of personal injury and contamination as for filling procedure avoidance of opera dirition and use of PPE (as required to avoidance of opera doing under dosing under dosin				
6.2	sprayer/applicator	The candidate is required to treat the area in 4.5 demonstrating sale and accurate application procedures  Note to the Assessor: Assessor to be satisfied that the candidate protective pr					
J.2					П		
1		The candidate is required to treat the area in 4.5 demonstrating sate and accurate application procedures    Value					
1							
1							
1							
1							
1		constacles dealt with correctly (if applicable)   area treated minimising overlaps and misses   awareness of changing weather conditions and appropriate action taken (if applicable)   avoidance of off target application/contamination   dealing with the candidate has carried out all activities protecting human health and the environment   To include:    Prevention of personal injury and contamination through correct selection and use of PPE (as a required by the product information, COSHH and Risk Assessment)   prevention of publicibystander contamination   safe filling procedure   avoidance of spray drift   avoidance of over dosing/under dosing crophrage/plant material   minimising the impact on the aquatic environment   Met < Not Met X					
			the area in 4.5 on constrating safe and rate application edures  • bankside safety implemented				
Î.				ACTIVITIES  A B C D			

CRITERIA	ASSESSMENT	ASSESSOR		ASSESSMENT	C	AND	IDA1	ΓΕ
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	•	ensure the applicator is clean and dry				
6.3	Sprayer/applicator	storing the applicator	•	inspect for wear and damage				
0.3			•	replace any worn or damaged parts				
			•	frost protection measures implemented				
			•	lubricate as required				
			•	store undercover and out of direct sunlight				
			•	store in a secure area				
				Met ✓ Not Met X				

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

Candidate	A	Name:		Da	ate:	Start Time:	Dura	ation	1:		
Candidate	В	Name:		Da	ate:	Start Time:	Dura	ation	1:		
Candidate	С	Name:		Da	ate:	Start Time:	Dura	ation	1:		
Candidate	D	Name:		Da	ate:	Start Time:	Dura	atior	1:		
CRITERIA NUMBER		ASSESSMENT CRITERIA	ASSESSOR GUIDANCE			SSESSMENT ACTIVITIES		C.	AND B	IDA <sup>-</sup>	TE D
Unit 153 1.1	requapple pelle	line the legal uirements relating to lying pesticide ets/granules using estrian hand held licators	Candidate to <b>describe two</b> operator's obligations in terms of the legal requirements	0	complies with let comply with The (Sustainable Use the operator must	ds are in place and equipm gal requirements Plant Protection Products e) Regulations 2012 st hold the appropriate the equipment they are using	g				
Unit 153 1.2	pest usin app	cribe how to apply ticide pellets/granules g pedestrian hand held licators following sstry best practice	Candidate to <b>describe on</b> operator safety regulation terms of using hand held pedestrian equipment		<ul><li>adopt industry be</li><li>be aware of any</li></ul>	ticide Codes of Practice	d by				
			Candidate to <b>describe</b> the differences in technique fo overall treatment and spot treatment	r	Overall treatment incl	ng speed ng on/off points					
			Three required for each technique		avoidance of unclasses.	itable applicator height	Met X				
Unit 153 2.1	envi	ntify risks to the ironment	Candidate to identify all relevant risks to the environment for the application site		<ul> <li>wildlife</li> <li>non-target plants</li> <li>sensitive crops/a</li> <li>hedgerows</li> <li>housing</li> <li>public access</li> <li>other risks partice</li> </ul>	nargins/strips/areas sareas cular to the site  Met ✓ Not	Met X				
Unit 153 2.2 Continued		lain how to minimise s to the environment	Candidate to <b>explain</b> how minimise the risks identifie in <b>2.1</b> Candidate to <b>state</b> the reason for minimising off target application		check and maint avoid off target a observe buffer z inform neighbou erect warning sig use an appropriate environmental in appropriate timir	ones rs gns ate pesticide (minimal npact)	he				

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

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR	ASSESSMENT				
NUMBER	CRITERIA	Candidate to record relevant	Calibration data may include:	A	В	C	ט
Cont		calibration data	walking speed				
Unit 153			applicator used				
4.2			1				
4.3			·				
			<u> </u>				
					П		
	Measure the area to be	Candidate to <b>measure</b> the					
Unit 153	treated	area. The Assessor may	accurate measurement of dimensions				
4.4		candidate	Met ✓ Not Met X				
		Note to the Assessor: A					
		rectangular area of					
		which must involve multiple					
Unit 153	Calculate the area to be treated						
	"outou	aroa					
4.5			Met ✓ Not Met X	Ш	Ш		
Unit 450	Calculate the quantities of	Candidate to calculate	To include:				
Unit 153	pesticide required	specified area calculated in	amount of pesticide required for specified area				
4.6		4.5	Met ✓ Not Met X				
	Measure/weigh the	Candidate to measure/weigh	To include all of the following:				
Unit 153	required quantities and add to the applicator		correct selection and use of PPE/RPE (as				
5.1	to the apphoalor		Assessment)				
			suitable site selected				
		product	ACTIVITIES  A B C D  walking speed  applicator used  height setting speed width metering device setting pellet/granule used  Met ✓ Not Met X  To include:  accurate measurement of dimensions  t  To include:  accurate calculation of area  Met ✓ Not Met X  To include:  accurate calculation of area  Met ✓ Not Met X  D  To include:  To				
			' '				
	Demonstrate safe and	The candidate is required to	11101				
Unit 153	accurate application procedures	treat the area in 4.5	treatment area clearly identified				
5.2	procedures	accurate application	1				
		procedures	1	l			
			_				
				l _	_	l _	
			1				
	Cormy out all activities	Note to the Assessor: The		ᆜ	Ш	Ш	Ш
Unit 153	Carry out all activities protecting human	Assessor to be satisfied that					
F 2	health and the environment	the candidate has carried out	through correct selection and use of PPE/RPE (as				
5.3		health and that of the			П	П	П
		environment	A B C D  d relevant  Calibration data may include:  walking speed applicator used height setting spread width metering device setting pellet/granule used  Met ✓ Not Met X  grametre is sessment multiple mure the rmay on of the  To include:  accurate measurement of dimensions  Met ✓ Not Met X  Isage metre is sessment multiple multiple  To include:  accurate measurement of area  Met ✓ Not Met X  Isage metre is sessment multiple multiple  To include:  accurate measurement of area  Met ✓ Not Met X  Isage metre is accurate measurement of dimensions  Met ✓ Not Met X  Isage accurate measurement of pesticide area  Met ✓ Not Met X  Isage accurate measurement of pesticide area  Met ✓ Not Met X  Isage accurate measurement of pesticide product adapt product following product recommendations and approved procedures  accurate measurement of pesticide product  adapt product following product recommendations and approved procedures  accurate measurement of pesticide product  adapt product following product recommendations and approved procedures  accurate measurement of pesticide product  adapt product following product recommendations and approved procedures  accurate measurement of pesticide product  accurate matching of botts  better of treatment area clearly identified  walking speed maintained  accurate matching of botts  better of treatment area clearly identified  accurate matching of botts  accurate matching of bott				
		Candidate to record relevant calibration data may include:  walking speed applicator used height setting speed with metering device setting pellet/granule used  Met Y Not Met X  To include: accurate measurement of dimensions accurate measurement of dimensions  Met Y Not Met X  To include: accurate measurement of dimensions  A rectangular area of approximately 200sq metre is required for the assessment which must involve multiple bouts  Candidate to calculate the area  Candidate to calculate the area calculated in 4.5  Candidate to calculate the appetited for the assessment with the difference of the appetited for the area specified in 4.5  Note: This may be a simulated pesticide product  To include all of the following:  correct selection and use of PPE/RPE (as required by the product label, COSHH and Risk Assessment)  suitable site selected add product following product recommendations and approved procedures  accurate measurement of pesticide product accurate measurement of pesticide product  accurate measurement of pesticide product accurate application procedures  To include:  accurate measurement of pesticide product accurate witching on/off points accurate measurement of pesticide product accurate witching on/off points accurate measurement of pesticide product accurate witching on/off points accurate activities of pesticide product accurate witching on/off points accurate activities of pesticide product accurate witching on/off points accurate activities of pesticide product accurate activities of point product produc					
			ACTIVITIES    A				
	Complete a treatment	The candidate is required to		屵	Ш		Ш
Unit 153	record						
5.4		Note to the Assessor: the	legible (if handwritten)				
		treatment record must be	Met ✓ Not Met X				
		11 11 17 1111 1130000.		Щ_			

CRITERIA	ASSESSMENT	ASSESSOR	ASSESSMENT	C	AND	IDA.	TE
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	te how to recover and re surplus ets/granules and how lispose of waste terial  Candidate to explain one method of recovering surplus pesticide pellets/granules  Candidate to explain one method of dealing with waste packaging  Candidate to explain one method of dealing with waste packaging  Candidate to explain one method of dealing with waste packaging  Candidate to explain one method of dealing with waste packaging  Candidate to explain one method of dealing with waste packaging  Candidate to explain what factors that need to be considered when cleaning the applicator  Candidate to explain what factors that need to be considered when cleaning the applicator  Candidate to explain what factors that need to be considered when cleaning the applicator  Candidate to explain what factors that need to be considered when cleaning the applicator  Candidate to explain what factors that need to be considered when cleaning the applicator  Candidate to explain what factors that need to be considered when cleaning the applicator  Candidate to explain what factors that need to be considered when cleaning the applicator  Secribe the storage uirements for the blicator  Candidate to explain what factors that need to be considered when cleaning the applicator  Candidate to explain what factors that need to be considered when cleaning the applicator  Candidate to explain what factors that need to be considered when cleaning the applicator  Secribe the storage uirements for the uirements for the storage uirements for the					
		method of dealing with waste	Plain one dering surplus /granules  Explanation may include:  careful return to packaging return to temporary mobile store  Packaging:  thoroughly emptied placed in secure storage until disposal collected by licensed waste disposal contractor  Met ✓ Not Met ✓  Plain what do be no cleaning the  Explanation to include at least four of the following points:  select and use correct PPE selection of an appropriate site for cleaning the applicator clean the applicator following product information and manufacturer's recommendations safe disposal of contaminated waste in an appropriate manner following good practice safe procedures followed  Met ✓ Not Met ✓  Scribe three der when yer/applicator replace any worn or damage replace any worn or damaged parts lubricate if required store under cover and out of direct sunlight				
	Explain how to clean and	Candidate to <b>explain</b> what	Explanation to include at least four of the following				一
Unit 153 6.2	decontaminate the applicator	GUIDANCE Candidate to explain one method of recovering surplus pesticide pellets/granules  Candidate to explain one method of dealing with waste packaging  Candidate to explain one method of dealing with waste packaging  Candidate to explain what factors that need to be considered when cleaning the applicator  Candidate to explain what factors that need to be considered when cleaning the applicator  Candidate to explain what factors that need to be considered when cleaning the applicator  Candidate to explain what factors that need to be considered when cleaning the applicator  Candidate to explain what factors that need to be considered when cleaning the applicator  Candidate to explain what factors that need to be considered when cleaning the applicator  Candidate to explain what factors that need to be considered when cleaning the applicator  Candidate to explain what factors that need to be considered when cleaning the applicator  Candidate to explain what factors that need to be considered when cleaning the applicator  Candidate to explain what factors that need to be considered when cleaning the applicator  Candidate to explain what factors that need to be considered when cleaning the applicator  Candidate to explain what factors that need to be considered when cleaning the applicator  Candidate to explain what factors that need to be considered when cleaning the applicator  Candidate to explain what factors that need to be considered when cleaning the applicator  Candidate to explain what factors that need to be collected by licensed waste disposal con the following product infinite applicator  Candidate to explain what factors that need to be collected by licensed waste disposal con the following product infinite applicator  Candidate to explain what factors that need to be collected by licensed waste disposal con the following product infinite applicator  Candidate to explain what factors that need to be collected by licensed waste disposal con the following product infinite applicator  Candidate to e	points:  select and use correct PPE  selection of an appropriate site for cleaning the applicator  clean the applicator following product information and manufacturer's recommendations  safe disposal of contaminated waste in an appropriate manner following good practice				
			Met ✓ Not Met X				
Unit 153 6.3	Describe the storage requirements for the applicator	factors to consider when	ACTIVITIES  ACTIVITES  ACTIVITIES  ACTIVITIES  ACTIVITES  ACTIVI				
			Met ✓ Not Met X				

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

		(1110011)									
Candidate	e A	Name:		Date	<b>)</b> :	Start Time:	Dura	atior	<b>):</b>		
Candidate	e B	Name:		Date	<b>)</b> :	Start Time:	Dura	atior	<b>)</b> :		
Candidate	e C	Name:		Date	):	Start Time:	Dura	atior	):		
Candidate	e D	Name:		Date	):	Start Time:	Dura	atior	):		
CRITERIA NUMBER		ASSESSMENT CRITERIA	ASSESSOR GUIDANCE			SSESSMENT ACTIVITIES		C.	AND B	IDAT	ΓE
Unit 154 1.1	requapp pell wat	scribe the legal uirements relating to lying pesticide ets/granules to or near er using pedestrian id held applicators	Candidate to <b>describe two</b> operator's obligations in terms of legal requirements		complies with leg comply with The (Sustainable Use	ds are in place and equipments Plant Protection Products P) Regulations 2012 St hold the appropriate	ent				
			Candidate to <b>state two</b> leg requirements when applyir pesticides to or near water	ng	certification for the Both required:  ensure the pestion	the equipment they are using the equipment they are using cide has aquatic approval the first they are using the equipment the equipme					
Unit 154	pes to o ped app	scribe how to apply ticide pellets/granules or near water using lestrian hand held dicators following ustry best practice	Candidate to <b>describe one</b> operator safety regulation iterms 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 imposed sessment and comply with					
			Candidate to <b>describe</b> the differences in technique for overall treatment and spot treatment  Three required for each technique	r	<ul><li>accurate switching</li><li>matching of bout avoidance of off</li></ul>	ng speed ng on/off points ts target application					
					<ul><li>avoidance of uno avoidance of off</li></ul>	itable applicator height der/over dosing target application					
			Define the term to or near water  Candidate to state four examples  Describe two operator safe		drainage channels streams rivers canals ponds lakes/lochs reservoirs	es els					
			considerations in terms of using hand held pedestriar equipment in the aquatic environment	Í .	<ul><li>check bank stab</li><li>availability of a s</li></ul>	econd person on site ring/rescue devices	<b>M</b> ar V				

CRITERIA	ASSESSMENT	ASSESSOR	ASSESSMENT	C	AND	IDA'	TE
NUMBER	CRITERIA	GUIDANCE	ACTIVITIES	Α	В	С	D
	Identify risks to the aquatic	Candidate to identify all	May include the following:				
Unit 154	environment	relevant risks to the environment for the	ground conditions				
2.1		application site	wildlife				
2.1		application site	non-target plants				
			environmental margins/strips/areas				
			hedgerows				
			housing				
			public access				
			sensitive crops/areas	Ιп			
			water courses	rse  t adding to bank  et  Not Met X  oints:  catment atment val inimal  e  ple and the  height or visual			
			boreholes				
			livestock drinking points				
			recreational use of water body/course				
			water extraction points				
			de-oxygenation of water				
			removal of fish cover				
			removal of bankside wildlife habitat				
			removal of bankside vegetation leading to bank		_		l _
			erosion				
			other risks specific to the site		Ш	Ш	
			Met ✓ Not Met X				
	Explain how to minimise	Candidate to explain how to	Explanation may include the following points:				
Unit 154	risks to the environment	minimise the risks identified	work in an upstream direction				
2.2		in <b>2.1</b>	check weather suitability before treatment				
2.2			check downstream uses before treatment				
			seek Environmental Agency approval				
			use of an appropriate pesticide (minimal				
			environmental impact)	A B C  A A B C  A C  A			
			appropriate timing of treatment				
			check and maintain application rate				
			avoid off-target application		A B C C C C C C C C C C C C C C C C C C		
			exclude livestock				
			erect warning signs	l			
			inform neighbours		l		
			Inform Heighbours				
		Candidate to <b>state</b> the reason for minimising 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 state five	May include:				
		factors that affect uniformity	weather conditions		$\Box$	Ιп	
		of spread	direction of spreading	l			
			pellet/granule density and size	l			
			1	_			
			applicator holgh	l			
			applicator set level		l _		
			defective equipment				

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES				
HOMBER	Read product information	Note to the Assessor: A	Important information:				
Unit 154	Interpret product	product label is required. It is	field of use (aquatic approval)				
3.1	information		target				
•							
Unit 154			Thanking total door				
3.2		product and appropriate to	maximum number of treatments			Ш	
0.2			May include the following:				
		Situation	specific product precautions/warnings				
		Note to the Candidate	operator protection				
		,	environmental protection				
		information on the label to be	restrictions on use			Ш	
		highlighted for use during the	Crop specific information:				
		assessment	target				
			dose rate				
			• timing				
			additional label information				
			Met ✓ Not Met X				
Unit 454	Carry out pre use checks	Candidate to carry out all	Applicator components to be inspected for				
Unit 154	to the applicator		,				
4.1		the assessment					
		Faviament to be included (if					
			1				
		opprositely					
			on/off control				
			straps or harness (if applicable)				
			wheels and tyres (if applicable)				
			Met ✓ Not Met X			П	
	Identify settings and	Candidate to <b>identify</b> any			H		F
Unit 154	adjustments	settings and adjustments	height adjustment				
4.2		applicable to the applicator	spread width adjustment				
4.2			disc speed adjustment				
			metering device				
			May include:				
	Calibrate the applicator	The candidate is required to	Calibration to include:	ACTIVITIES mation: e (aquatic approval) individual dose total dose number of treatments a following: oduct precautions/warnings rotection intal protection so nuse  Idabel information  Met ✓ Not Met X  Met ✓ Not			
Unit 154	and record relevant data		measure spread width	A B C D  In: Luatic approval)  Idual dose dose Deer of treatments Diving: It precautions/warnings It precautions/warnings It treatments Diving: It precautions/warnings It pre			
4.3		relevant data	ore to the Assessor: A control of the control of th				
4.0		Note to the Assessor: A product label is required. It is expected that the candidate will provide the product label or a currently approved product and appropriate to he candidate or maximum individual dose					
		method of calibration may be	A Saesesor: A chaseseor: A chas				
			ANCE  Sesessor: Any sessest of the applicator of the applicator of the applicator of the applicator and record filtered walking speed width adjustment to recommendations.  A B C D  A				
			Important information:   field of use (aquatic approval)				
			Sesor: A important information:				
		calibration data					
		product label is required. It is expected that the candidate will provide the product label provided must be for a currently approved product and appropriate to the candidates normal work situation  Note to the Candidate (Assessor also to note): It is acceptable for key information on the label to be highlighted for use during the assessment    Candidate to carry out all pre-use checks relevant to the applicator being used for the assessment    Candidate to carry out all pre-use checks relevant to the applicator being used for the assessment   Candidate to identify any settings and adjustments applicable to the applicator or relevant data   Candidate to the applicator or system of calibrate he sprayer/applicator and record relevant data   Candidate to record relevant calibration data   Calibration data   Calibration or the candidate to record relevant calibration data   Calibration or the candidate to record relevant calibration data   Calibration or the candidate to record relevant calibration data   Calibration or the candidate to record relevant calibration data   Calibration or the candidate to record relevant calibration data   Calibration or the candidate to record relevant calibration data   Calibration or the candidate to record relevant calibration data   Calibration or the candidate to record relevant calibration data   Calibration or the candidate to record relevant calibration data   Calibration or the candidate to record relevant calibration or the candidate to reassure the area. The Assessor: An area of bank/arget of applicator or the candidate to the Assessor: An area of bank/arget of applicator or the candidate to the Assessor: An area of bank/arget of applicator or the candidate to the Assessor: An area of bank					
		expected that the candidate will provide the product label The label provided must be for a currently approved product and appropriate to the candidates normal work situation  Note to the Candidate (Assessor also to note): It is acceptable for key information on the label to be highlighted for use during the assessment  Candidate to carry out all pre-use checks relevant to the applicator being used for the applicator on the providing it is capable of allowing for different waiking speeds and spread widths  Candidate to record relevant calibration data  The candidate to measure the area. The Assessor and y aspiculate to candidate to the Assessor: Any meta of bankfuraged of approximately 50m length youngled for the applicator and record relevant data  Candidate to measure the area. The Assessor and y aspiculate to the Assessor: Any meta of bankfuraged of approximately 50m length yopical of the candidates  Note to the Assessor: Any meta of bankfuraged of approximately 50m length yopical of the candidates  Note to the Assessor: Any meta of bankfuraged of approximately 50m length yopical of the candidates  Note to the Assessor: Any meta of bankfuraged of approximately 50m length yopical of the candidates  Note to the Assessor: Any meta of bankfuraged of approximately 50m length yopical of the candidates  To include:  **Candidate to measure the area. The Assessor any accurate measurement of dimensions  **The Candidate to measure the area. The Assessor: Any meta of	l				
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			Met ✓ Not Met X				
	Measure the area to be	Candidate to measure the			屵		
Unit 154	treated	area. The Assessor may					
4.4		candidate	Met ✓ Not Met X	$\mathbb{H}$			Ш
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RITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE			AND B	IDA.	TE
	Calculate the area to be	Candidate to calculate the	to include:	<u> </u>	<u> </u>	Ĭ	$\dagger$
Unit 154	treated	area	accurate calculation of area				
4.5			Met ✓ Not Met X				I
-1.0	Calculate the quantities of	Candidate to calculate	To include:		Ë		ť
Jnit 154	pesticide required	quantity required for the					
4.0			, , , , ,				
4.6				닏	빋	닏	
Jnit 154			-				
Jilit 134	to the applicator	the area specified in <b>4.5</b>					
5.1		CRITERIA at the area to be if  Candidate to calculate the area  Candidate to calculate the area  Candidate to calculate the area  Candidate to calculate the apacified area calculated in 4.5  Candidate to measure and add quantities required for the area specified area  Candidate to measure and add quantities required for the area specified in 4.5  Note: This may be a simulated pesticide product  To include:  Candidate to measure and add quantities required for the area specified in 4.5  Note: This may be a simulated pesticide product  To include:  Candidate to especified in 4.5  Note: This may be a simulated pesticide product  To include:  Suitable site selected  add product following:  add product following product recommendations and approved procedures  Caucurate application  The candidate is required to treat the area in 4.5  the sepace of the sepace of pesticide product  avoidance of spillage  Met Y Not Met X  To include:  To include:  Suitable site selected  add product following product recommendations and approved procedures  Caucurate application  procedures  To include:  To include:  To include:  Suitable site selected  add product following product recommendations and approved procedures  Caucurate application  and carcurate assurbing on/off points  Caucurate application  procedures  To include:  To					
	Calculate the area to be treated  Calculate the quantities of pesticide required or calculate the quantities of pesticide required for the specified area (acludated in 4.5  Measure/weigh the required quantities and add quantities required for the specified area (acludated in 4.5  Measure/weigh the required quantities and add quantities required for the specified area (acludated in 4.5  Note: This may be a simulated pesticide product  To include:  Acardidate to required to the specified area (acludated in 4.5  Note: This may be a simulated pesticide product  The candidate is required to treat the area in 4.5  donorate application procedures  The candidate is required to treat the area in 4.5  donorated application procedures  The candidate is required to treat the area in 4.5  donorated application procedures  The candidate is required to treat the area in 4.5  donorated application procedures  The candidate is required to treat the area in 4.5  donorated application procedures  The candidate is required to treat the area in 4.5  donorated application procedures  The candidate is required to treat the area in 4.5  donorated application procedures  The candidate is required to treat the area in 4.5  Assessor to be satisfied that the anytrorment and the environment and						
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		and add add add quantities required for the area specified in 4.5  Note: This may be a simulated pesticide product  and add accurate application procedures  To include:  amount of pesticide required for specified area aspecified in 4.5  Note: This may be a simulated pesticide product  and accurate application procedures  To include:  amount of pesticide required for the area specified in 4.5  Note: This may be a simulated pesticide product  and accurate application procedures  To include:  and accurate application procedures  accurate measurement of pesticide product  avoidance of spillage  Met ✓ Not Met X  To include:  and accurate application procedures  accurate application procedures  accurate application procedures  accurate application procedures  basith the acadidate has candidate has been been has candidate					
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5.3	and the environment						
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	Complete a treatment	CRITERIA  Calculate the area to be led  Candidate to calculate the area to be led  Candidate to calculate the area (and the led)  Candidate to calculate the accordance area (and the led)  Candidate to measure and add quantities required to the area specified area (and the led)  Asserbance)  Note: This may be a simulate posticide product  The candidate is required to the activate and add product following:  Note: This may be a simulate opticide product  The candidate is required to the activate and accourate measurement of pesticide product  The candidate is required to the activate application proceedings in 4.5 demonstrate safe and accourate application proceedings in 4.5 demonstrate safe and product and product (application)  The candidate is required to the activate application proceedings in the activate application and appropriate administration.  Note to the Assessor: The Assessor is the activate product in the ac					
Jnit 154	Calculate the quantities of pestiode required or pestiode required and pestiode product    Demonstrate safe and add control procedures   The candidate is required to the application procedures						
5.4			legible (if handwritten)				
<b>0.</b> 1			Met ✓ Not Met X				
luit 454		CRITERIA   Calculate to calculate the area to be and calculate the area to be and calculate the area and calculate the area and to the assessing the application of the assessing the environment of the environment of candidate is required to the carea spoilcation of a spillage and appropriate and accurate application procedures    Note to the Assessor: The assessing to the environment of t				1	
Jnit 154	Calculate the area to be treated and care and control of the care and care and care area to be treated and care area to be positive required by the care and care area to include:  Calculate the quantities of positive required for the specified area calculated to a specified area calculated of the applicator and add quantities required for the assessment and add quantities required for the applicator.  Measura/weigh the required and add quantities required for the applicator.  Measura/weigh the required and add quantities required for the applicator.  Measura/weigh the care and add quantities required for the applicator.  Note: This may be a simulated pesticide product.  The candidate is required to treat the area in 4.5 and accurate application procedures.  The candidate is required to treat the area in 4.5 and accurate application procedures.  The candidate is required to treat the area in 4.5 and accurate application procedures.  Note to the Assessor: The Assessor: The Assessor to be assisted that the area in the environment and the environment and the environment area calculated as candidate has candidate has candidate to accurate switching onotif points and appropriate after taking (is application) and appropriate after taking (is application). And the environment area calculated to accurate a polication and the environment and the						
6.1							
	material	candidate to calculate the area to be farea.  Candidate to calculate the accurate calculation of area.  Met ✓ Not Met X  To include:  amount of pesticide required for specified area calculated to experiment of the pacified area calculated in 4.5  Note: This may be a simulated pesticide product.  This may be a simulated pesticide product as and add particulation and appropriate product following:  This may be a simulated pesticide product as a sequired by the product label, COSHH/Risk Assessment).  **Season of the area in 4.5 demonstrate safe and procedures  accurate measurement of pesticide product application procedures  **Comment of the area in 4.5 demonstrate safe and procedures  **Comment of the area in 4.5 demonstrate safe and procedures  **Comment of the area in 4.5 demonstrate safe and procedures  **Comment of the area in 4.5 demonstrate safe and procedures  **Comment of the area in 4.5 demonstrate safe and procedures  **Comment of the area in 4.5 demonstrate safe and procedures  **Comment of the area in 4.5 demonstrate safe and procedures  **Comment of the area in 4.5 demonstrate safe and procedures  **Comment of the area in 4.5 demonstrate safe and procedures  **Comment of the area in 4.5 demonstrate safe and procedures  **Comment of the area in 4.5 demonstrate safe and procedures  **Comment of the area in 4.5 demonstrate safe and procedures  **Comment of the area in 4.5 demonstrate safe and procedures area the area in 4.5 demonstrate safe and procedures area the area in 4.5 demonstrate and procedures  **To include:					
		Set the area to be   Candidate to calculate the area in Assessor to be statisfied has procedures   Candidate to calculate the area in Assessor to be statisfied has proving number to the convincent and activities protecting human health are environment					
	Calculate the quantities of pestiode required series  Calculate the quantities of pestiode required series  Calculate the quantities of pestiode required series  Candidate to calculate the quantities of pestiode required for the applicator  Measure/weigh the required for the application of the applicator  Measure/weigh the required for the application of the applicator  Demonstrate safe and accurate application procedures  The candidate is required to the application procedures  Note to the Assessor: The Assessor is the service of the providence of						
		te safe and product informent of the area in 4.5  discriptions and add quantities required for the area in 4.5  the safe and product informent of the area in 4.5  despited area calculated in 4.5  Note: This may be a simulated pesticide product  The candidate is required to the area specified area product  The area specified in 4.5  Note: This may be a simulated pesticide product  The candidate is required to the area specified in 4.5  Assessment)  The candidate is required to the area the area in 4.5  demonstrating safe and add current application procedures  The candidate is required to the area that area in 4.5  demonstrating safe and polication procedures  The candidate is required to the area in 4.5  demonstrating safe and proceedures  To include:  • accurate measurement of pesticide product  • avoidance of spillage  Met ✓ Not Met X  To include:  • avoidance of spillage  Met ✓ Not Met X  To include:  • avoidance of spillage  Met ✓ Not Met X  To include:  • avoidance of off target applicable)  • all activities human health wirrorment  all activities human health virrorment  all activities human health virrorment of the envirorment					
	Calculate the area to be treated  Calculate the great to be treated  Calculate the quantities of pestioide required for the succurate quantities and add quantities and add to the supplication of the supplicator  Calculate the quantities of pestioide to established the supplicator  Calculate the quantities of pestidide to established to the supplicator  Calculate the quantities of pestidide to established to the supplicator  Calculate the quantities of and add quantities required for the supplicator  Cardidate to explain one method of relating with waste pestidide product  Cardidate to explain one method of relating with waste pestidide to explain one method of relating with waste pestidide to explain one method of relating with waste pestidide to explain one method of relating with waste pestidide to explain one method of relating with waste pestidide to explain one method of relating with waste material  Explain how to clean and coordinate to explain one method of relating with waste pestidide to explain one method of relating with waste pestidide to explain one method of relating with waste pestidide to explain one method of relating with waste pestidide to explain one method of relating with waste pestidide to explain one method of relating with waste pestidide to explain one method of relating with waste pestidide to explain one method of relating with waste pestidide to explain one method of relating with waste pestidide policator.  Candidate to explain one method of relating with waste pestidide policator.  Candidate to explain one method of relating with waste pestidide policator.  Candidate to explain one method of relating with waste pestidide policator.  Candidate to explain one method of relating with waste pestidide policator.  Candidate to explain one method						
	Candidate to calculate the area to be readed   Candidate to calculate the area	Ш	Ш	Ш			
Jnit 154	4 Cardulate the quantities of pesticide required or pesticide required for specified area calculated in the specified product area of the area specified in 4.5 and department of pesticide product accurate application procedures  Demonstrate safe and accurate application procedures  The candidate is required to the specified product accurate application procedures  The candidate is required to the specified product accurate specified product accurates application procedures  The candidate is required to the specified product accurates without product information and accurates without product information and the specified product accurates without product information and the specified product accurates without product accurates without product accurates accurated a waveness of changing weather conditions and appropriate action taken (if applicable) and of specified product accurates accurate accur				Ī		
JIII 134	Carbulate the quantities of pesticide required summittees of contents of the specified area calculated in describe required summittees and add to the applicator  Demonstrate safe and course application procedures  Demonstrate safe and accurate application procedures safe and accurate application procedures  Demonstrate safe and accurate application procedures  Demonstrate safe and accurate application procedures area developed accurate application procedure safe and accurate application procedures and accurate application procedures area developed accurat						
6.2	Calculate the quantities of pestioide required for the specified rerear calculated has guarantity required for the specified rerear calculated has for the specified rerear calculated has for the specified rerear calculated has formation and and to the specified respecified in 4.5  Candidate to measure and to the applicator  Candidate to measure and to the applicator  Demonstrate safe and accurate application procedures  Demonstrate safe and accurate application procedures  The candidate is required to the same and approcedures are altered to the same and approcedures are altered to the same and approcedures  The candidate is required to the same and approcedures  The candidate is required to the same and approcedures  The candidate is required to the same and approcedures  To include:  T						
	Calculate the quantities of pestioide required or the specified area calculated quantity required for the specified area calculated in the specified area calculated by the product label, COSH+VRIsk Assessment).  Dimonstrate safe and specified area calculated in the specified area calculated by the product label, COSH+VRIsk Assessment).  Dimonstrate safe and specified area calculated in the specified area calculated by the product label, COSH+VRIsk Assessment).  The candidate is equired to reach a specified area calculated in the specified area calculated by the product label, COSH+VRIsk Assessment).  The candidate is equired to reach a calculated to the specified area calculated in t						
	Calculate the quantities of pesticide required superstriction required grammatics and add quantities equired for the required quantities and add quantities required for the application area specified and as accurate measure and add quantities required for the application procedures		-				
	Calculate the areas to be treated to calculate the area and to the equantities of pestiode required of the spiritation of the s						
	Cardidate the area to be treated  Cardidate the area to be area  Cardidate to calculate the area to be treated  Cardidate to calculate the area to be available the area to be pestided required to the applicator  Measure/weigh the required particle and add to the applicator  Measure/weigh the required particle and add to the applicator  Measure/weigh the required particle and add to the applicator  Measure/weigh the required particle and add to the applicator  Measure/weigh the required to repetite area solutiated in the applicator  Measure/weigh the required to the applicator of the area specified in 4.5  Memoratrate safe and accurate application procedures  Demonstrate safe and accurate safe and accurate application procedures  Demonstrate safe and accurate safe and accurate application procedures  Demonstrate safe and accurate safe and accurate safe and accurate application procedures  Demonstrate safe and accurate safe and accurate application procedures  Demonstrate safe and accurate safe and accurate safe and accurate application procedures  Demonstrate safe and accurate safe and accurate safe and accurate application procedures  Demonstrate safe and accurate safe and accurate safe and accurate safe and accurate application procedures  Demonstrate safe and accurate	1	1		1		
	Calculate the area to be treated  Calculate the area to be calculated to accurate calculated on the specified area calculated in 4.5  Measure/weigh the required guarattices and add to the application  Measure/weigh the required guarattices and add to the applicator  Measure/weigh the required guarattices and add to the applicator  Mote: This may be a simulated positicide product  The candidate is required for the applicator and use of PERFE (as required to treat the area in 4.5 demonstrating safe and accounter application procedures  Demonstrate safe and accounter application procedures  Demonstrate safe and accounter application procedures  The candidate is required to treat the area in 4.5 demonstrating safe and accounter application procedures  The candidate is required to treat the area in 4.5 demonstrating safe and accounter application procedures  Note to the Assessor: The Assessor to be satisfied that the environment and the environment and the environment and the environment  The candidate is required to complete a treatment record.  Note to the Assessor: The Assessor to be satisfied that the environment and the environment and the environment and the environment  The candidate is required to complete a treatment record.  Note to the Assessor or the satisfied that the environment and the environment				ı		
	Calculate the area to be treated  Calculate the quantities of pesticide required for the associated equantity required for the associated in 4.5  Measure/weigh the required quantities and add to the applicator  Demonstrate safe and accurate application procedures  Demonstrate safe and accurate application procedures  The candidate is required to treat the area in 4.5  demonstrating safe and accurate application procedures  The candidate is required to treat the area in 4.5  demonstrating safe and accurate application procedures  The candidate is required to treat the area in 4.5  demonstrating safe and accurate application procedures  The candidate is required to treat the area in 4.5  demonstrating safe and accurate application procedures  The candidate is required to treat the area in 4.5  demonstrating safe and accurate application procedures  The candidate is required to treat the area in 4.5  demonstrating safe and accurate application procedures  The candidate is required to treat the area in 4.5  demonstrating safe and accurate application procedures  The candidate is required to treat the area in 4.5  demonstrating safe and accurate application procedures  The candidate is required to treat the area in 4.5  demonstrating safe and accurate application procedures  The candidate is required to treat the area in 4.5  demonstrating safe and accurate application accurate ac						
			<ul> <li>appropriate manner following good practice</li> <li>safe procedures followed</li> </ul>				

CRITERIA	ASSESSMENT	ASSESSOR		ASSESSMENT	C	AND	IDA <sup>-</sup>	ГΕ
NUMBER	CRITERIA	GUIDANCE		ACTIVITIES	Α	В	C	D
Unit 154	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	αρριισαίοι	otoming the oping on applicator	•	repair or notify supervisor if not within operators				
0.0				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)

Offic 133	, - 11	istailing i estici	de i lugs ili i lee c	lui	iiba (i voi i	,					
Candidate	A	Name:		Da	te:	Start Time:	Dura	atior	1:		
Candidate	В	Name:		Da	te:	Start Time:	Dura	atior	1:		
Candidate	C	Name:		Da	te:	Start Time:	Dura	atior	1:		
Candidate	D	Name:		Da	te:	Start Time:	Dura	atior	1:		
CRITERIA		ASSESSMENT	ASSESSOR			ASSESSMENT		С	AND	IDAT	ГΕ
NUMBER		CRITERIA	GUIDANCE			ACTIVITIES		Α	В	С	D
Unit 155	requ	cribe the legal irements relating to alling pesticide plugs	Candidate to describe two operator's obligations in terms of legal requirements		complies with	guards are in place and equipm h legal requirements The Plant Protection Products	nent				
					,	Use) Regulations 2012					
						must hold the appropriate for the equipment they are using	ıg				
						Met√ Not	Ū				
	Das	ovih o hove to install	December one encuetor and		Marriaghrala	Wety Not	Met v	닏	닏	$\bigsqcup$	Ш
Unit 155		cribe how to install icide plugs safely	<b>Describe one</b> operator safe regulation in terms of	ету	May include;  comply with l	Pesticide Codes of Practice					
		wing industry best	installing pesticide plugs			ry best practice					
1.2	prac	tice			be aware of a	any safety implications impose I Assessment and comply with					
						Met ✓ Not	Met X				
	Iden	tify risks to the	Candidate to identify all		May include:			μ_			
Unit 155		ronment from installing	relevant risks to the		<ul> <li>water course</li> </ul>	es					
	pest	icide plugs	environment for the			vation Orders					
2.1			application site		<ul> <li>conservation</li> </ul>						
					wildlife						
					<ul> <li>non-target sp</li> </ul>	pecies					
					• .	irdous standing dead wood					
					housing	radad starrarrig adda wood					
					<ul> <li>public access</li> </ul>	s					
					•	pecific to the site					
					outer tisks sp		Marx				
						Met ✓ Not	Met X	Ш	Ш	Ш	Ш
Unit 155		ain how to minimise to the environment	Candidate to <b>explain</b> how minimise the risks identified in <b>2.1</b>		May include:  • permission s body (if requi	sought from appropriate regulat ired)	ory				
2.2					<ul> <li>use an appro</li> </ul>	opriate pesticide					
					<ul> <li>careful timing</li> </ul>	g of application					
					check and m	aintain application rate					
						Met ✓ Not	Met X				
	Rea	d product information	The candidate is required t	0	The following to be	e tested:		F	F		
Unit 155		•	read and interpret the		<ul> <li>product name</li> </ul>						
3.1		pret product mation	information on a product la and provide <b>relevant</b>		•	ance(s) (ingredient(s))					
Unit 155			information as requested be the Assessor	У	Important informa	tion:					
			Note to the Assessor: A		field of use						
3.2			product label is required. It		crop/situation						
			expected that the candidat			dividual dose					
			will provide the product lab		<ul> <li>maximum tot</li> </ul>	tal dose					
			The label provided must be for a currently approved	9	May include the fo	ollowing:					
			product and appropriate to		•	luct precautions/warnings					
			the candidates normal wor		<ul> <li>operator prot</li> </ul>	,					
			situation		<ul> <li>environmenta</li> </ul>						
			Note to the Candidate (Assessor also to note): l acceptable for key	lt is	<ul> <li>restrictions o</li> </ul>						
Continued			information on the label to highlighted for use during t assessment								

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	C.	AND B	IDA1	TE D
Cont			Crop specific information:				
Unit 155			target     dose rate				
			• timing				
3.1			additional label information				
Unit 155			Met ✓ Not Met X				
3.2							
Unit 155	Carry out pre use checks to the application equipment	Candidate to carry out all pre-use checks relevant to the application equipment being used for the	May include:				
		assessment	battery sufficiently charged (if applicable)				
			<ul><li>adequate fuel (if applicable)</li><li>air filter clean and in good condition (if applicable)</li></ul>				
			cooling fins clean/vents clean and clear (if applicable)				
			drill bit securely fitted in chuck				
			<ul> <li>depth gauge secure and set correctly</li> <li>hammer head securely fitted to shaft (if applicable)</li> </ul>				
			any other checks specific to the equipment used				
			Met ✓ Not Met X				
	Measure the diameter of	Candidate to <b>measure</b> the	To include:				
Unit 155 4.2	the tree or stump to be treated	diameter of the stump or standing tree to be treated	<ul><li>accurate measurement</li><li>accurate calculation (if required)</li></ul>				
			Met ✓ Not Met X				
Unit 155	Calculate the number of plugs required	Candidate to calculate the number of plugs required for the tree diameter in 4.2	To include:  • accurate calculations				
4.3			Met ✓ Not Met X				
Unit 155 5.1	Demonstrate safe and accurate installation procedures	Candidate to <b>install</b> a minimum of <b>six</b> pesticide plugs or sufficient to treat one tree	correct selection and use of PPE (as required by the product label, COSHH/Risk Assessment)     plugs installed at correct spacing     plugs installed in to the correct part of the				
			<ul> <li>stump/tree</li> <li>plugs installed to the correct depth</li> </ul>				
	Carry out all activities	Assessor to be satisfied that	Met ✓ Not Met X  To include:	Ш	ᆜ	닏	ᆜ
Unit 155 5.2	protecting human health and the environment	the candidate has carried out all activities protecting human health and the environment	<ul> <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 installation procedure</li> <li>avoidance of non-target species application</li> <li>avoidance of over dosing/under dosing</li> <li>Met ✓ Not Met X</li> </ul>				
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				
5.3		Note to the Assessor: The treatment record must be approved by the Assessor (or supplied by the Assessor if necessary)	legible (if handwritten)  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 unused pesticide plugs and	careful return to packaging     return to temporary mobils store				
6.1		packaging	return to temporary mobile store     return to fixed store				
			packaging thoroughly emptied				
			placed in secure storage until disposal				
			collected by licence waste disposal contractor				
			Met ✓ Not Met X	Ш	Ш	Ш_	Ш

CRITERIA	ASSESSMENT	ASSESSOR	ASSESSMENT	C	AND	IDA.	TE
NUMBER	CRITERIA	GUIDANCE	ACTIVITIES	Α	В	С	D
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:				
		considered when cleaning the	select and use correct PPE				
6.2		application equipment	selection of an appropriate site for cleaning the applicator				
			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				
	State how to store	Candidate to describe three	May include:				
Unit 155	application equipment	factors to consider when	ensure the applicator is clean				
6.2		storing the application equipment	inspect for wear or damage				
6.3		equipment	replace any worn or damaged parts				
			lubricate if required				
			store in a secure area				
			Met ✓ Not Met X				

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

Candidate	Α	Name:		Dat	te:		Start Time:		Dura	tior	1:		
Candidate	В	Name:		Dat	te:		Start Time:		Dura	tior	<b>)</b> :		
Candidate	C	Name:		Dat	te:		Start Time:		Dura	tior	):		
Candidate	D	Name:		Dat	te:		Start Time:		Dura	tior	<b>)</b> :		
CRITERIA NUMBER		ASSESSMENT CRITERIA	ASSESSOR GUIDANCE				SSESSMENT ACTIVITIES			C.	AND B	C IDA	TE D
Unit 156 1.1	requapp	scribe the legal uirements relating to lying pesticides using ction equipment	Candidate to describe two operator's obligations in terms of legal requirements		May •	(Sustainable Use the operator mus	Plant Protection P e) Regulations 201 st hold the appropr he equipment they	2 riate					
Unit 156 1.2	pes	scribe how to inject ticides safely following ustry best practice	Candidate to describe one operator safety regulation iterms of using pesticide injection equipment	_	May • •	adopt industry be be aware of any	ticide Codes of Pra est practice safety implications sessment and com	s imposed					
			Candidate to <b>describe</b> the method for injecting the tar		May • •	include: injection site on growth stage time of year marking system	to avoid misses/ov	/erdosing et <b>√ Not N</b>	/let X				
Unit 156 2.1		ntify risks to the ironment	Candidate to identify all relevant risks to the environment for the application site		May	wildlife non-target plants conservation are	nargins/strips/areas seas us standing dead wareas		Лet X				
Unit 156 2.2		lain how to minimise s to the environment	Candidate to <b>explain</b> how minimise the risks identified in <b>2.1</b>		May	body (if required use an appropria environmental in careful timing of check and maint erect warning sig	ht from appropriate )  ate pesticide(miniment) application ain application rate gns s before application	nal e					

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	C A	AND B	IDA <sup>-</sup>	TE
Unit 156	Read product information	The candidate is required to read and interpret the	The following to be tested:				
3.1	Interpret product information	information on a product label and provide relevant	<ul><li>product name</li><li>active substance(s) (ingredient(s))</li></ul>				
Unit 156		information as requested by the Assessor	Important information:				
3.2		Note to the Assessor: A	<ul><li>field of use</li><li>target</li></ul>				
3.2		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 product and appropriate to	<ul><li>specific product precautions/warnings</li><li>operator protection</li></ul>				
		the candidates normal work	environmental protection				
		situation	restrictions on use				
		Note to the Candidate (Assessor also to note): It is	Crop specific information:				
		acceptable for key	• target				
		information on the label to be highlighted for use during the	<ul><li>dose rate</li><li>dilution rate if applicable</li></ul>				
		assessment	• timing				
			Mixing and spraying:				
			• filling				
			additional label information				
			Met ✓ Not Met X				
	Identify and select	Candidate to identify and	May include:				
Unit 156	equipment according to application requirements	<b>explain</b> the use of <b>two</b> types of needle (if applicable)	long needle for initial treatment or thicker stems				
4.1		Note to the Assessor: One	short needle for repeat treatment or thinner stems				
		of these should be the needle	Met ✓ Not Met X				
		intended for use (if applicable)					
	Carry out pre use checks	Candidate to carry out all	Applicator components to be inspected for				
Unit 156	to the applicator	pre-use checks <b>relevant</b> to the applicator being used for	serviceability and contamination that may include:  tank/bottle/container				
4.2		the assessment	• lid				
			• filters				
			<ul><li>hoses</li><li>connections</li></ul>				
			• seals				
			on/off control				
			• straps				
			To include:				
			<ul> <li>applicator checked for leaks</li> <li>any problems identified to be rectified if within</li> </ul>				
			operators level of responsibility and ability				
			condition confirmed as suitable for operation				
		Fit the required needle for use (if applicable)	To include:				
		use (ii applicable)	<ul> <li>suitable needle selected</li> <li>needle fitted correctly</li> </ul>				
		Candidate to <b>check</b> needle	,				
		condition	To include:  • needle undamaged				
			Met ✓ Not Met X			П	
	Calibrate the applicator	The candidate is required to	Calibration to include:				Ħ
Unit 156 4.3		calibrate the applicator and record relevant data	delivery rate checked against applicator setting and required volume				
4.3		Candidate to record relevant calibration data	Calibration data may include:			_	_
		candianon data	<ul><li>applicator used</li><li>needle fitted</li></ul>				
			applicator setting				
			pesticide used				
			Met ✓ Not Met X				
	1	1			1		

CRITERIA	ASSESSMENT	ASSESSOR	ASSESSMENT		AND		
NUMBER	CRITERIA Calculate quantities	GUIDANCE Candidate to calculate	ACTIVITIES  May include:	Α	В	С	D
Unit 156	required	quantities required for the	amount of water required for specified targets				
		targets to be treated and a	amount of pesticide required for specified targets				
4.4		full tank/bottle/container	amount of pesticide required for full				
			tank/bottle/container				
			Met ✓ Not Met X				
	Measure the pesticide, mix	Candidate to <b>measure</b> and	To include all of the following;				H
Unit 156	with water and fill the	add quantities required for	correct selection and use of PPE (as required by				
	applicator and/or attach	the area specified in 4.4	the product information and/or COSHH				
5.1	pesticide container	Note: This may be a	Assessment)				
		simulated pesticide	suitable site selected				
		product supplied by the Assessor	observance of pesticide manufacturers instructions for mixing				
		Assessor	correct use of water supply				
			accurate measurement of water				
			accurate measurement of pesticide				
			avoidance of spillage				
			and/or				
			attach pesticide container				
			Met ✓ Not Met X				
	Demonstrate safe and	The candidate is required to	To include:				
Unit 156	accurate injection	treat the targets in 4.4	targets clearly identified				
5.0	procedures	demonstrating safe and	targets treated avoiding misses and overdosing				
5.2		accurate injection procedures	awareness of changing weather conditions and				
			appropriate action taken (if applicable)				
			Met ✓ Not Met X		П	П	
	Carry out all activities	Note to the Assessor: The	To include:				
Unit 156	protecting human health	Assessor to be satisfied that	prevention of personal injury and contamination				
	and the environment	the candidate has carried out	through correct selection and use of PPE (as				
5.3		<b>all</b> activities protecting human health and that of the	required by the product information, COSHH/ Risk				
		environment	Assessment)  • prevention of public/bystander contamination				
			safe filling procedure				
			avoidance of off target application/contamination				
			avoidance of over dosing/under dosing				
			target/plant material				
			Met ✓ Not Met X		П	П	
	Complete a treatment	The candidate is required to	Completion of the treatment record must be:				
Unit 156	record	complete a treatment record	accurate				
E 4		Note to the Assessor: The	legible (if handwritten)				
5.4		treatment record must be	Met ✓ Not Met X				
		approved by the Assessor (or	Wet ₹ Not wet X	Ш	ш	ш	Ш
		supplied by the Assessor if					
	Evoloin housts assess	necessary)	Evalenation may include:				<u> </u>
Unit 156	Explain how to manage surplus pesticide and	Candidate to <b>explain one</b> method of managing surplus	Explanation may include:				
	dispose of waste material	concentrate pesticide	<ul> <li>return to temporary mobile store</li> <li>return to fixed store</li> </ul>				
6.1			- TEIGITI TO TIXEU STOTE				
		Candidate to explain one	Containers:				
		method of dealing with waste containers and packaging	triple rinsed if applicable				
		Containers and packaging	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 explain two	Explanation may include:				
		methods of managing surplus	use on another approved target				
		dilute pesticides (if applicable)	treated by specialist treatment facility on site (e.g.				
		αρριισασίο <i>)</i>	a lined bio bed)				
			collected by a licensed waste disposal contractor				
			Met ✓ Not Met X				
				Ц_		ш_	ഥ

CRITERIA	ASSESSMENT	ASSESSOR	ASSESSMENT	С	AND	IDA.	TE
NUMBER	CRITERIA	GUIDANCE	ACTIVITIES	Α	В	С	D
	Explain how to clean the	Candidate to explain four	May include:				
Unit 156	injection equipment	factors that need to be	select and use correct PPE				
6.2		considered when cleaning the injection equipment	<ul> <li>selection of an appropriate site for cleaning the applicator</li> </ul>				
			<ul> <li>triple rinse the applicator following product information recommendations</li> </ul>				
			thorough flushing of system				
			<ul> <li>safe disposal of contaminated washings in an appropriate manner following good practice</li> </ul>				
		safe procedures followed					
			Met ✓ Not Met X				
	Explain how to store the	Candidate to describe three	May include:				
Unit 156	injection equipment	factors to consider when	ensure the injection equipment is clean and dry				
6.3		storing the injection equipment	inspect for wear or damage				
0.5		oquipmont	<ul> <li>repair or notify supervisor if not within operators level of responsibility and ability</li> </ul>				
			lubricate if required				
			needle covered/removed to protect operator				
			store in a secure area				
			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:		Da	ite:		Start Time:	Dura	ation	):		
Candidate	В	Name:		Da	ite:		Start Time:	Dura	atior	):		•
Candidate	C	Name:		Da	ite:		Start Time:	Dura	atior	<b>)</b> :		
Candidate	D	Name:		Da	ite:		Start Time:	Dura	ation	):		
CRITERIA NUMBER		ASSESSMENT CRITERIA	ASSESSOR GUIDANCE				SESSMENT CTIVITIES		C.	AND B	IDA <sup>*</sup>	ΓE D
Unit 157 1.1	req app	scribe the legal uirements relating to lying pesticides using d held equipment	Candidate to <b>describe one</b> operator's obligations in terms of legal requirements		<ul><li>(Sustainable the operato)</li></ul>	le Use) or must	Plant Protection Products ) Regulations 2012 t hold the appropriate e equipment they are using Met√ Not					
Unit 157	pes han follo	scribe how to apply ticides safely using d held equipment owing industry best ctice	Candidate to <b>describe one</b> operator safety regulation iterms of using hand held pedestrian equipment		<ul><li>adopt indus</li><li>be aware of</li></ul>	stry bes of any s HH Ass	cide Codes of Practice st practice safety implications imposed essment and comply with					
			Candidate to <b>describe</b> the differences in technique fo overall treatment and spot treatment (if applicable)  Three required for each technique	r	<ul><li>consistent r</li><li>accurate on</li><li>matching of</li></ul>	walking mping to nozzle n/off poor	g speed to maintain constant pressi height pints	ure				
						iitable r g a suit ment of unde	nozzle	Mat Y				
Unit 157 2.1		ntify risks to the ironment	Candidate to identify all relevant risks to the environment for the application site		May include the ground cone water cours drains boreholes environmen wildlife non-targets sensitive cre hedgerows housing public acces other risks s	nditions ses ntal ma s rops/ard	ing: s argins/strips/areas reas					
Unit 157 2.2 Continued		lain how to minimise s to the environment	Candidate to <b>explain</b> how minimise the risks identified in <b>2.1</b>		<ul> <li>use of an all environments</li> <li>careful timints</li> <li>check and respondents</li> <li>avoid spraystole</li> <li>avoid off tall observe buts</li> <li>erect warning</li> </ul>	approprintal impling of a maintally drift arget apuffer zon	application  iin application rate  pplication  nes					

CRITERIA	ASSESSMENT	ASSESSOR	ASSESSMENT		AND	IDA	
NUMBER	CRITERIA	GUIDANCE	ACTIVITIES	Α	В	С	D
Cont Unit 157		Candidate to <b>check</b> and <b>commen</b> t on wind speed and direction	<ul><li>use of anemometer at suitable height or visible signs</li><li>wind direction</li></ul>				
2.2		Candidate to <b>state</b> the reason for minimising off target application and spray drift	avoidance of contamination to people and the environment				
		Candidate to <b>state five</b> factors that may affect spray drift (if applicable)	May include:  • weather conditions  • direction of spraying  • nozzle type and size (if applicable)  • pressure (if applicable)  • disc type  • disc speed  • nozzle/disc height  • forward speed  • defective equipment				
		Candidate to <b>state two</b> factors that may affect off target application (if applicable)	May include:  ■ wick too low  ■ wick over saturated and dripping  Met ✓ Not Met X				
	Read product information	The candidate is required to	To include the following:		Ш	닏	쁘
Unit 157 3.1	Interpret product information	read and interpret the information on a product label and provide relevant	<ul> <li>product name</li> <li>active substance(s) (ingredient(s))</li> </ul>				
Unit 157		information as requested by the Assessor	Important information:  • field of use				
3.2		Note to the Assessor: A product label is required. It is expected that the candidate will provide the product label. The label provided must be for a currently approved	crop/target     maximum individual dose     maximum total dose     maximum number of treatments  Maximum total the following:				
		product and appropriate to the candidates normal work situation  Note to the Candidate (Assessor also to note): It is	May include the following:				
		acceptable for key information on the label to be highlighted for use during the assessment	Crop specific information:				
			<ul><li>timing</li><li>Mixing and spraying:</li><li>filling</li></ul>				
			<ul> <li>recommended nozzles</li> <li>recommended pressure</li> <li>spray quality</li> </ul>				
			<ul> <li>additional label information</li> <li>compatibility</li> <li>Met ✓ Not Met X</li> </ul>				
		<u> </u>	Mict. Hot Met X	Ш	Ш	Ш	Ц_

CRITERIA A	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	C.	AND B	IDA <sup>1</sup>	ΓE
	out pre use checks	Candidate to carry out all	May include:	_	В	C	U
Unit 157 to the	applicator	pre-use checks relevant to the sprayer/applicator being	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)				
			- origino (ii applicabio)				
		Candidate to part fill the	May include:				
		applicator and check for	applicator checked for leaks under pressure				
		satisfactory operation	any problems identified to be rectified if within				
			operators level of responsibility and ability				
			condition confirmed as suitable for operation				
			Met ✓ Not Met X				
	y any controls or	Candidate to identify all	May include:				
	onents applicable to	components and controls	● tank				
4.2 the ap	plicator	relating to the applicator being used for the	• pump				
4.2		assessment	on/off				
			filters				
			nozzle(s)/disc(s)/distribution system				
			other components/controls specific to the				
			applicator				
			Met ✓ Not Met X				
	ate the applicator	The candidate is required to calibrate the applicator and	Calibration may include:		_	_	_
Unit 157 and re	cord relevant data	record relevant data	calculation of water volume rate				
4.3		1000ra 1010 varie data	check water volume rate against product				
			information recommendations				
			flow rate adjusted to distribution system				
		Candidate to record relevant	Calibration data may include:				
		calibration data	applicator used				
			walking speed				
			nozzle(s) fitted (swath width if appropriate)				
			<ul> <li>disc(s) fitted (swath width if appropriate)</li> </ul>				
			pressure setting				
			wick priming time				
			Met ✓ Not Met X				
Measi	ure and calculate the	Candidate to <b>calculate</b> the	To include:				Ш
	arget to be treated	area/target to be treated	Accurate calculation of area/target		П		
4.4			Met ✓ Not Met X				
	ate the quantities of	Candidate to calculate	To include if applicable:				
i caicii	ide and water	quantities required for the	amount of water required for specified area				
Unit 157 pestici			annount of water reduired for specified area			. —	. –
Unit 157 pestici require	ed, if applicable	area calculated in <b>4.4</b> and full					
Unit 157 pestici		area calculated in <b>4.4</b> and full tank	amount of pesticide required for specified area				
Unit 157 pestici require							
Unit 157 pestici require			<ul> <li>amount of pesticide required for specified area</li> <li>amount of pesticide required for full</li> </ul>				

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	C A	AND B	IDA <sup>1</sup>	E D
	Measure the required	Candidate to measure and	To include all of the following:	, ·			_
Unit 157 5.1	quantities and add to the applicator, or attach pesticide container	add quantities required for the area/target specified in 4.4 or attach pesticide container	<ul> <li>correct selection and use of PPE(as required by the product label, COSHH/Risk Assessment)</li> <li>suitable site selected</li> </ul>				
			add product following product recommendations and approved procedures				
			correct use of water supply     accurate measurement of water				
			accurate measurement of water     accurate measurement of pesticide				
			avoidance of spillage				
			or  attach pesticide container				
			Met ✓ Not Met X			$\Box$	$\Box$
	Demonstrate safe and	The candidate is required to	May include:				
Unit 157	accurate application	treat the area/target in 4.4	treatment area/target clearly identified				
5.2	procedures	demonstrating safe and accurate application	walking speed maintained				
5.2		procedures	accurate switch on/off points				
			accurate matching of bouts				
			obstacles dealt with correctly (if applicable)				
			walking direction				
			area treated minimising overlaps and misses				
			awareness of changing weather conditions and				
			appropriate action taken (if applicable)				
			Met ✓ Not Met X				
	Carry out all activities	Note to the Assessor: The	To include:				
Unit 157	protecting human health and the environment	Assessor to be satisfied that the candidate has carried out	prevention of personal injury and contamination				
5.3	and the environment	all activities protecting human	through correct selection and use of PPE (as required by the product information, COSHH/Risk				
3.3		health and that of the	Assessment)				
		environment	prevention of public/bystander contamination				
			safe filling procedure				
			avoidance of off target application				
			avoidance of over dosing/under dosing				
			crop/target/plant material				
			Met ✓ Not Met X				
Unit 157	Complete a treatment record	The candidate is required to <b>complete</b> a treatment record	Completion of the treatment record must be:			]	]
O.I.I. 107	Tocord	complete a acamera record	accurate     logible (if handwritten)				
5.4		Note to the Assessor: the	legible (if handwritten)	L			
		treatment record must be approved or if necessary supplied by the Assessor	Met ✓ Not Met X	Ш		Ш	
	Explain how to manage	Candidate to explain one	Explanation may include:				
Unit 157	surplus pesticide and	method of managing surplus	return to temporary mobile store				
	dispose of waste material	concentrate pesticide	return to temporary mobile store     return to fixed store				
6.1			Tetum to fixed store				
		Candidate to explain one	Containers:				
		method of dealing with waste containers or packaging	triple rinsed				
		Containers or packaging	placed in secure storage until disposal				
			returned to supplier				
			collected by licensed waste contractor				
			Packaging:				
			thoroughly emptied				
			placed in secure storage until disposal				
			collected by licensed waste disposal contractor				
	I	Candidate to <b>explain two</b>	Explanation may include:				
			r Explanation may moluto.	1	1	l	
		methods of managing surplus	,				
		methods of managing surplus	back on to area/target as long as it is below the				
		methods of managing surplus	<ul> <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.</li> </ul>				
		methods of managing surplus	<ul> <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>				
		methods of managing surplus	<ul> <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.</li> </ul>				

CRITERIA	ASSESSMENT	ASSESSOR	ASSESSMENT		CANDIDATE		
NUMBER	CRITERIA	GUIDANCE	ACTIVITIES	Α	В	С	D
	in how to clean and ntaminate the cator	Candidate to explain four factors that need to be considered when cleaning the applicator	May include:  select and use correct PPE  selection of an appropriate site for cleaning the applicator  triple rinse the applicator following product information recommendations  through flushing of system  safe disposal of contaminated washings in an appropriate manner following good practice  safe procedures followed				
			Met ✓ Not Met X				
	ribe the storage rements for the cator	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				

Su	ımmary of Assessment (The Assessor is to complete the follow	ing as a <sub>l</sub>	opropriate)					
Candidate A	Candidate has met all of the assessment criteria	Tick ✓	The Candidate has not met all of the assessment criteria; (state reason(s))	Tick				
	Signed:	Date:						
Candidate B	Candidate has met all of the assessment criteria	Tick	The Candidate has not met all of the assessment criteria; (state reason(s))	Tick ✓				
	Signed: Date:							
Candidate C	Candidate has met all of the assessment criteria	Tick ✓	The Candidate has not met all of the assessment criteria; (state reason(s))	Tick				
	Signed:	Date:						
Candidate D	Candidate <b>has met</b> all of the assessment criteria	Tick /	The Candidate has not met all of the assessment criteria; (state reason(s))	Tick ✓				
	Signed:	Date:						
Foi (Int	r use by Internal Verifier ONLY if the assessment process was ternal Verifier to complete ONE of the boxes below)	internally	/ verified					
I ob	I observed an assessment process taking place and I am satisfied that the assessment was conducted in line with the qualification requirements.							

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:	