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 7 – 11 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 herate the application equipment.	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 12 – 17 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 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 22 – 26 plus 39)
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 27 – 29 plus 39)
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 30 – 33 plus 39)
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 –	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 34 – 39)
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:		Dat	te:	Start Time:	Dura	atior	1:		
Candidate	В	Name:		Dat	te:	Start Time:	Dura	atior) :		
Candidate	C	Name:		Dat	te:	Start Time:	Dura	atior	1:		
Candidate	D	Name:		Dat	te:	Start Time:	Dura	atior	1:		
CRITERIA NUMBER		ASSESSMENT CRITERIA	ASSESSOR GUIDANCE			SSESSMENT ACTIVITIES		A	AND B	IDA1	ΓE
Unit 151 1.1	requ app 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 requirements		complies with le comply with The (Sustainable Us the operator mu	rds are in place and equipm gal requirements Plant Protection Products e) Regulations 2012 st hold the appropriate he equipment they are usin					
					continuation for t	Met√ Not	•				
Unit 151 1.2	pes han equ	cribe how to apply ticides safely using d held pedestrian ipment following istry best practice	Candidate to describe on operator safety regulation terms of using hand held pedestrian equipment		adopt industry bbe aware of any	sticides Codes of Practice lest practice safety implications impose ssessment and comply with					
			Candidate to describe the differences in technique fo overall treatment and spot treatment	r	consistent nozzlaccurate on/off matching of bour	ng speed g to maintain constant press le height points	sure				
			Three required for each technique		 spot treatment include use of a suitable maintaining a suitable timed treatment avoidance of un avoidance of off 	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 follow ground condition	wing: nas nargins/strips/areas s areas					

CRITERIA	ASSESSMENT	ASSESSOR	ASSESSMENT	_		IDA	
NUMBER	CRITERIA	GUIDANCE	ACTIVITIES	Α	В	С	D
Unit 151	Explain how to minimise risks to the environment	Candidate to explain how to minimise the risks identified	Explanation may include the following points:				
Oille 101	note to the environment	in 2.1	check and maintain application rate				
2.2			avoid spray drift				
			avoid off target application				
			observe buffer zones				
			inform neighbours				
			erect warning signs				
			use an appropriate pesticide (minimal			_	_
			environmental impact)	Ш			
			appropriate timing of application				
		Candidate to state the reason for minimising spray drift or off target application	avoidance of contamination to people and the environment				
		Candidate to check and	 use of an anemometer at suitable height or visual 				
		comment on wind speed and	signs				
		direction	wind direction				
		Condidate to atota five					
		Candidate to state five factors that affect spray drift	May include:				
		lactors that affect spray difft	weather conditions				
			direction of spraying				
			nozzle type and size				
			pressure				
			walking speed				
			nozzle height				
			rotary atomiser speed				
			defective equipment				
			Met ✓ Not Met X				
	Dead and deat information	The sea dideta is as suited to			Ц.		\Box
Unit 151	Read product information	The candidate is required to read and interpret the	To include the following:				
Oint 101	Interpret product	information on a product label	product nameactive substance(s) (ingredient(s))				
3.1	information	and provide relevant	active substance(s) (ingredient(s))				
Umit 454		information as requested by the Assessor	Important information:				
Unit 151		the Assessor	field of use				
3.2		Note to the Assessor: A	crop/target				
0.2		product label is required. It is	maximum individual dose				
		expected that the candidate will provide the product label	maximum total dose				
		will provide the product label	maximum number of treatments	П	П	П	
		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				
		Chadhon	environmental protection				
		Note to the Candidate	restrictions on use				
		(Assessor also to note): It is	One of the factor of the facto				
		acceptable for key information on the label to be	Crop specific information:				
		highlighted for use during the	crop/target				
		assessment	dose rate				
			water volume				
			• timing				
			Mixing and spraying:				
			filling				
			 reduced volume applications (if applicable) 				
			reduced volume applications (if applicable) recommended nozzles				
1							
1			recommended pressure				
1			spray quality				
			additional label information				
			compatibility				
			Met ✓ Not Met X	Ш	Ш		Ш
	•		•				

NUMBER CRITERIA GUIDANCE ACTIVITIES Unit 151 Carry out pre use checks to the sprayer/applicator to the sprayer/applicator being used for the assessment Carry out pre use checks to the sprayer/applicator being used for the assessment Candidate to carry out all pre-use checks relevant to the sprayer/applicator being used for the assessment Sprayer/applicator components to be inspected for serviceability and contamination that may include: ACTIVITIES To include: Sprayer/applicator de-pressurised Sprayer/applicator components to be inspected for serviceability and contamination that may include:			С	+
the sprayer/applicator being used for the assessment Sprayer/applicator components to be inspected for serviceability and contamination that may include:				1
serviceability and contamination that may include:				
a tauli				
• tank				
• lid				
• filters				
• hoses				
• connections				
seals on/off control				
Iance				
• straps				
pump, visual assessment only				
batteries (if applicable)				
engine (if applicable)				
Candidate to part fill the To include:				
sprayer/applicator and check for satisfactory • sprayer/applicator checked for leaks under pressure				
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				
Unit 151 Identify suitable operating pressure and select Candidate to identify and explain the use of two types Candidate to identify and explain the use of two types Candidate to identify and explain the use of two types				
of nozzles according to pressure and select explain the use of two types of nozzle Generally used to apply herbicides				
4.2 application requirements Note to the Assessor: One of these should be the nozzle air inclusion - medium/coarse spray quality. Good drift reduction properties				
intended for use • full cone - medium/coarse spray quality. Suitable				
for spot treatment and spraying around obstacles				
fan nozzle - fine, medium or coarse spray quality. General purpose				
hollow cone - fine spray quality. Generally used for insecticide and fungicide treatment				
Fit the required nozzle for To include:				
use and select the correct • suitable nozzle selected				
pressure pressure nozzle fitted correctly				
correct pressure selected				
Candidate to check nozzle condition and spray pattern				
using any appropriate method				
Met ✓ Not Met X	Ш	Ш	Ш	빝
Calibrate the The candidate is required to calibration to include: Unit 151 Calibrate the The candidate is required to calibrate the calculation of water volume rate				
record relevant data sprayer/applicator and record				Ш
4.3 **Cock Tolevant data** Sprayonapplicator and record 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 may include:				
calibration data • applicator used				
walking speed				
nozzle(s) fitted (spray width if appropriate)				
pressure setting				
• flow rate				
Met ✓ Not Met X				

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				
		Note to the Assessor: A rectangular area of approximately 200sq metre is required for the assessment which must involve multiple bouts					
Unit 151	Calculate the area to be treated	Candidate to 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 calculate quantities required for the specified area in 4.5 and a full tank	To include: amount of water required for specified area amount of pesticide required for specified area				
110			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				
			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]			
	Complete a tractor and	The condidate is required to	Met ✓ Not Met X		Ш		Ш
Unit 151	Complete a treatment record	The candidate is required to complete a treatment record Note to the Assessor: The	Completion of the treatment record must be: accurate legible (if handwritten)				
5.4		treatment record must be approved by the Assessor (or supplied by the Assessor if necessary)	Met ✓ Not Met X				

CRITERIA	ASSESSMENT	ASSESSOR	ASSESSMENT	C	AND	IDA ⁻	TE
NUMBER	CRITERIA	GUIDANCE	ACTIVITIES	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 surplus concentrate pesticide	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 neoriosa maste dispessal continuoter		_		
		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				
			 treated by specialist treatment facility on site (e.g. a lined bio bed) 				
			collected by a licensed waste disposal contractor				
			Met ✓ Not Met X				
	Evaluin how to along 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	 select and use appropriate PPE appropriate site 				
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:				=
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				
			mot - Not met A				

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

Atomise	is to apply I esticit	des to or inear wa	CI	(I AOATT)						
Candidate	A Name:		Dat	te:	Start Time:	Dura	ation	1:		
Candidate	B Name:		Dat	te:	Start Time:	Dura	ation	1:		
Candidate	C Name:		Dat	te:	Start Time:	Dura	ation	1:		
Candidate	D Name:		Dat	te:	Start Time:	Dura	atior	1:		
CRITERIA	ASSESSMENT	ASSESSOR		Δ.9	SSESSMENT		С	AND	IDA1	ΓF
NUMBER	CRITERIA	GUIDANCE			ACTIVITIES		A	В	С	D
Unit 152	Describe the legal requirements relating to applying pesticides to or near water using hand held	Candidate to describe two operator's obligations in terms of legal requirement		May include:	ds are in place and equipme	ent				
1.1	pedestrian equipment			(Sustainable Use	Plant Protection Products e) Regulations 2012					
					st hold the appropriate ne equipment they are using	g				
		Candidate to state two leg	gal	Both required:						
		requirements when applying		 ensure the pestic 	cide has aquatic approval					
		pesticides to or near water	•	· ·	ntal agency approval					
					Met√ Not I	Met X	Ш	Ш	Ш	Ш
Unit 152	Describe how to apply	Candidate to describe on		May include:						
Unit 152	pesticides safely to or near water using hand held	operator safety regulation terms of using hand held	ın	 comply with Pes 	ticide Codes of Practice					
1.2	pedestrian equipment	pedestrian equipment		 adopt industry be 	est practice					
	following industry best practice				safety implications imposed sessment and comply with					
		Candidate to describe the		Overall treatment incl	udes.					
		differences in technique fo		 consistent walkir 						
		overall treatment and spot			.	uro				
		treatment			to maintain constant pressi	ure				
		Three required for each		consistent nozzle	-					
		technique		accurate on/off p						
		toomiquo		 matching of bout 						
				 avoidance of off 	target application					
				Spot treatment include	es:					
				 use of a suitable 						П
				 maintaining a su 						
				timed treatment	itable fleight					
				avoidance of und	der/over dosina					
					target application					
				avolualito oi oii	ta.got approation				_	
		Define the term to or near		May include the follow	•					
		water		 wet or dry ditche 	S					
		Candidate to state four		 drainage channe 	els					
		examples		streams						
				rivers						
				• canals						
				ponds						
				lakes/lochs						
				 reservoirs 						
				and areas immed	diately adjacent					
		Describe two operator sat	fety	May include:					l '	
		considerations in terms of	юсу	May include:	ility hoforo annivira				_	
		using hand held pedestriar	n		ility before applying					
		equipment in the aquatic			econd person on site					
		environment		 availability of life 	ring/rescue devices					
					Met ✓ Not l	Met X		\Box		

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

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	C.	AND B	IDA ¹	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 relevant 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 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				
			• 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	C	AND B	IDA [*]	TE
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 check nozzle condition and spray pattern using any appropriate method	To include: 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:				
4.3	record relevant data	sprayer/applicator and record relevant data	calculation of water volume ratecheck water volume rate against product				
4.3		Note to the Assessor: Any method of calibration may be used providing it is capable of allowing for different walking speeds and spray widths	information recommendations				
		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 measure 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		On distants to a develop	Met ✓ Not Met X				
Unit 152 4.6	Calculate the quantities of pesticide and water required, if applicable	Candidate to calculate quantities required for the specified area in 4.5 and a full tank	To include: 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 152 5.1	Measure the required quantities and add to the applicator, or attach pesticide container	Candidate to measure and add quantities required for the area specified in 4.5	To include: correct selection and use of PPE (as required by the product label and/or COSHH Assessment)				
3.1		Note: This may be a simulated pesticide product supplied by the	observance of pesticide manufacturers instructions for mixing sequence and agitation (or other recommended method)				
		Assessor	suitable site selectedclean water supply				
			accurate measurement of water				
			accurate measurement of pesticide avoidance of spillage or				
			attach a pesticide container				
		document in whole or in part is forhidden with	Met ✓ Not Met X	Ш	Ш	Ш	

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	A	AND B	C IDA	TE D
	Demonstrate safe and	The candidate is required to	To include:	1		Ť	Ť
Unit 152	accurate application	treat the area in 4.5 demonstrating safe and	bankside safety implemented				
5.2	procedures	accurate application	treatment area clearly identified				
0.2		procedures	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 152	Carry out all activities	Note to the Assessor: Assessor to be satisfied that	To include:				
OHIL 132	protecting human health and the environment	the candidate has carried out	 prevention of personal injury and contamination through correct selection and use of PPE (as 				
5.3		all activities protecting human	required by the product information, COSHH and				
0.0		health and the environment	Risk Assessment)				
			prevention of public/bystander contamination				
			safe filling procedure				
			avoidance of spray drift				
			avoidance of off target application/contamination				
			avoidance of over dosing/under dosing				
			crop/target/plant material				
			minimising the impact on the aquatic				
			environment				L
			Met ✓ Not Met X	Ш	Ш	Ш	Ш
Unit 152	Complete a treatment record	The candidate is required to complete a treatment record.	Completion of the treatment record must be:				
OHIL 132	record	complete a treatment record.	accurate				
5.4	Note to the Assessor: The	legible (if handwritten)					
	treatment record must be approved or if necessary	Met ✓ Not Met X					
		supplied by the Assessor					
	Explain how to manage	Candidate to explain one	May include:				
Unit 152	surplus pesticide and	method of dealing with	return to temporary mobile store				
	dispose of waste material	surplus concentrate pesticide	return to fixed store				
6.1		Candidate to explain two					
		methods of dealing with	Containers:				
		waste containers or	• triple rinsed				
		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				
			collected by a licensed waste disposal contractor				
		Candidate to explain two	May include:				
		methods of dealing with	back on to site as long as it is below the maximum				
		surplus dilute pesticide	dose rate				
			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				
			Met ✓ Not Met X				
	Explain how to clean and	Candidate to explain four	May include:				
Unit 152	decontaminate the	factors that need to be	select and use appropriate PPE				
6.2	sprayer/applicator	considered when cleaning and decontaminating the	appropriate site				
0.2		sprayer	thorough washing with water and suitable				
			cleaning agent (if recommended/required)				
			internal and external surfaces				
			care to ensure contamination 'hot-spots' are clean				
			thorough flushing of system				
			safe disposal of contaminated washings				
			when cleaning should take place				[
				1	1		
			safe procedures followed				
			safe procedures followed Met ✓ Not Met X				

CRITERIA	ASSESSMENT	ASSESSOR		ASSESSMENT	C	AND	IDA ⁻	ΓΕ
NUMBER	CRITERIA	GUIDANCE		ACTIVITIES	Α	В	C	D
	Describe the storage	Candidate to describe three	May	rinclude:				
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)

ialia (i A	100										
Candidate	A	Name:		Da	nte:	Start Time:	Dura	ation	1:		
Candidate	В	Name:		Da	nte:	Start Time:	Dura	ation	1:		
Candidate	С	Name:		Da	nte:	Start Time:	Dura	ation	1:		
Candidate	D	Name:		Da	nte:	Start Time:	Dura	atior	1:		
CRITERIA NUMBER		ASSESSMENT CRITERIA	ASSESSOR GUIDANCE			SSESSMENT ACTIVITIES		C.	AND B	IDA ⁻	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 describe two operator's obligations in terms of the legal requirements	o	complies with leg 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 describe on operator safety regulation terms of using hand held pedestrian equipment		adopt industry bebe aware of any	ticide Codes of Practice	d by				
			Candidate to describe 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		 wildlife non-target plants sensitive crops/a hedgerows housing public access other risks partice 	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 explain how minimise the risks identifie in 2.1 Candidate to state 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 ¹	TE D
Cont		Candidate to check and comment on wind speed and	use of an anemometer at suitable height or visual				
Unit 153		direction	signs wind direction				
2.2		Candidate to state five factors that affect uniformity of spread	May include: • weather conditions • direction of spreading • pellet/granule density and size • applicator height • applicator set level				
			defective equipment				
	Read product information	The candidate is required to	Met ✓ Not Met X To include the following:	Ш		Ш	Ш
Unit 153	Interpret product	read and interpret the information on a product label	product name				
3.1	information	and provide relevant information as requested by	active substance(s) (ingredient(s))				
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	maximum total dose maximum number of treatments				
		The label provided must be for a currently approved product and appropriate to the candidates normal work situation Note to the Candidate	May include the following: specific product precautions/warnings operator protection environmental protection restrictions on use				
		(Assessor also to note): It is acceptable for key information on the label to be highlighted for use during the assessment	Crop specific information:				
			additional label information Met ✓ Not Met X				
Unit 153 4.1	Carry out pre use checks to the applicator	Candidate to carry out all pre-use checks relevant to the applicator being used for the assessment Power unit isolated (if applicable)	Applicator components to be inspected for serviceability and contamination that may include: • hopper • lid • agitator • metering device • spinning disc condition • on/off control • straps or harness (if applicable) • wheels and tyres (if applicable) Met ✓ Not Met X				
Unit 153	Identify settings and adjustments	Candidate to identify any settings and adjustments	May include:				
	,	applicable to the applicator	height adjustmentspread width adjustment				
4.2			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 record relevant data Note to the Assessor: Any	Calibration may include: calculation of walking speed measure spread width				
Continued		method of calibration may be used providing it is capable of allowing for different walking speeds and spread widths	calculate application rate check rate against product information recommendations				

CRITERIA NUMBER	ASSESSMENT	ASSESSOR GUIDANCE	ASSESSMENT			IDA	
NUMBER	CRITERIA	Candidate to record relevant	ACTIVITIES Calibration data may include:	Α	В	С	D
Cont		calibration data	walking speed				
Unit 153			applicator used beight acting.				
4.3			height settingspread width				
4.0			metering device setting				
			pellet/granule used				
			Met ✓ Not Met X				
Unit 153	Measure the area to be	Candidate to measure the	To include:				
Unit 155	treated	area. The Assessor may assist under direction of the	accurate measurement of dimensions				
4.4		candidate	Met ✓ Not Met X	Ш	Ш	Ш	
		Note to the Assessor: A rectangular area of approximately 200sq metre is required for the assessment which must involve multiple bouts					
Unit 153	Calculate the area to be treated	Candidate to calculate the area	To include: accurate calculation of area				
		4.04					
4.5			Met ✓ Not Met X	Ш	Ш	Ш	Ш
Unit 153	Calculate the quantities of pesticide required	Candidate to calculate quantity required for the	To include: amount of pesticide required for specified area				
4.6		specified area calculated in 4.5	Met ✓ Not Met X				
4.6	Management was take the			Ш	Ш	\sqcup	
Unit 153	Measure/weigh the required quantities and add	Candidate to measure/weigh and add quantities required	To include all of the following: correct selection and use of PPE/RPE (as				
5.1	to the applicator	for the area specified in 4.5	required by the product label, COSHH and Risk				
3.1		Note: This may be a	Assessment) suitable site selected				
		simulated pesticide product	add product following product recommendations				
		•	and approved procedures				
			accurate measurement of pesticide product avoidance of spillage				
			Met ✓ Not Met X				
	Demonstrate safe and	The candidate is required to	To include:				
Unit 153	accurate application procedures	treat the area in 4.5 demonstrating safe and	treatment area clearly identified				
5.2	procedures	accurate application	walking speed maintained				
		procedures	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 153	Carry out all activities	Note to the Assessor: The Assessor to be satisfied that	To include:				
5.3	protecting human health and the environment	the candidate has carried out all activities protecting human	 prevention of personal injury and contamination through correct selection and use of PPE/RPE (as required by the product information, COSHH/Risk 				
		health and that of the environment	Assessment) • 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				
	Complete a treatment	The candidate is required to	Completion of the treatment record must be:	٣	Ш	ᆜ	٣
Unit 153	record	complete a treatment record.	accurate				
5.4		Note to the Assessor: the	legible (if handwritten)				
		treatment record must be approved or if necessary	Met ✓ Not Met X				
		supplied by the Assessor		L	L	L	L

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	Candidate to explain one method of recovering surplus pesticide pellets/granules	Explanation may include: careful return to packaging return to temporary mobile store return to fixed store				
		Candidate to explain one method of dealing with waste packaging	Packaging: thoroughly emptied placed in secure storage until disposal collected by licensed waste disposal contractor Met ✓ Not Met X				
	Explain how to clean and	Candidate to explain what	Explanation to include at least four of the following	Ľ	H	H	屵
Unit 153 6.2	decontaminate the applicator	factors that need to be considered when cleaning the applicator	points:				
Unit 153 6.3	Describe the storage requirements for the applicator	Candidate to describe three factors to consider when storing the sprayer/applicator	May include: • ensure the applicator is clean • inspect for wear or damage • replace any worn or damaged parts • lubricate if required • store in a secure area • store under cover and out of direct sunlight]

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

10 01 140	ai watei (i Aoow)									
Candidate	A Name:		Date:		Start Time:	Dura	tion	1:		
Candidate	B Name:		Date:	1	Start Time:	Dura	tion	1:		
Candidate	C Name:		Date:		Start Time:	Dura	tion	1:		
Candidate	D Name:		Date:	:	Start Time:	Dura	ition): 		
CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE			SSESSMENT ACTIVITIES		C/ A	AND B	IDA1	ΓE
Unit 154 1.1	Describe the legal requirements relating to applying pesticide pellets/granules to or near water using pedestrian hand held applicators	Candidate to describe two operator's obligations in terms of legal requirements	•	complies with leg comply with The (Sustainable Use the operator mus	Plant Protection Products e) Regulations 2012 st hold the appropriate					
		Candidate to state two leg requirements when applyir pesticides to or near water	ng •	oth required: ensure the pesti	ne equipment they are using cide has aquatic approval ntal Agency approval					
Unit 154	Describe how to apply pesticide pellets/granules	Candidate to describe one operator safety regulation is		lay include:	Met√ Not I	Met X				
1.2	to or near water using pedestrian hand held applicators following	terms of using hand held pedestrian equipment	•	adopt industry be be aware of any	est practice safety implications imposed					
	Describe how to apply pesticide pellets/granules to or near water using pedestrian hand held applicators following industry best practice Candidate to describe terms of using hand pedestrian equipment of using hand pedestrian	Candidate to describe the		Risk/COSHH As requirements	sessment and comply with	the				
		differences in technique for overall treatment and spot	r •	consistent walkir accurate switching	ng speed ng on/off points					
		Three required for each technique	•		target application					
			•	avoidance of und	itable applicator height					
		Define the term to or near water Candidate to state four examples	M:	lay include the follow wet or dry ditche drainage channe streams	s					
			•	rivers canals ponds lakes/lochs reservoirs and areas imme	diately adjacent					
		Describe two operator saf considerations in terms of using hand held pedestriar equipment in the aquatic environment		availability of a s	ility before applying econd person on site ring/rescue devices Met ✓ Not I	Met Y				
					INIGE 7 NOU	met A	ш		ш '	Ш

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				
			water courses				
			boreholes				
			livestock drinking points				
			recreational use of water body/course				
			water extraction points				
			de-oxygenation of water				
			removal of fish cover				
			removal of bankside wildlife habitat				
			removal of bankside vegetation leading to bank				l _
			erosion				
			other risks specific to the site				
			Met ✓ Not Met X				
	Candidate to explain how to	Explanation may include the following points:					
Unit 154	it 154 risks to the environment n	minimise the risks identified	work in an upstream direction				
2.2		in 2.1	check weather suitability before treatment				
2.2			check downstream uses before treatment				
			seek Environmental Agency approval				
			use of an appropriate pesticide (minimal				
			environmental impact)				
			appropriate timing of treatment				
			check and maintain application rate				
			avoid off-target application				
			exclude livestock				
			erect warning signs				
			inform neighbours				
			Inform neighbours				
		Candidate to state the reason for minimising off target application	avoidance of contamination to people and the environment				
		Candidate to check and comment 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				
		of spread	direction of spreading				
			 pellet/granule density and size 	l			
			1				
			- applicator holght				
			applicator set level				
		1	defective equipment				

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	C.	AND B	IDA1	TE D
HOMBER	Read product information	Note to the Assessor: A	Important information:				
Unit 154	Interpret product	product label is required. It is expected that the candidate	field of use (aquatic approval)				
3.1	information	will provide the product label	target				
			maximum individual dose				
Unit 154		The label provided must be for a currently approved	maximum total dose				
3.2		product and appropriate to	maximum number of treatments				
		the candidates normal work situation	May include the following:				
		Situation	specific product precautions/warnings				
		Note to the Candidate (Assessor also to note): It is	operator protection				
		acceptable for key	environmental protection				
		information on the label to be	restrictions on use				
		highlighted for use during the assessment	Crop specific information:				
			target				
			dose rate				
			• timing				
			additional label information		П		
			Met ✓ Not Met X				
	Corm, out are use abooks	Condidate to service at all	Applicator components to be inspected for	Ш	ш	닏	닏
Unit 154	Carry out pre use checks to the applicator	Candidate to carry out all pre-use checks relevant to	serviceability and contamination that may include:				
		the applicator being used for	hopper				
4.1		the assessment	• lid				
		Equipment to be isolated (if	agitator				
		applicable)	metering device				
			spinning disc condition				
			• on/off control				
			straps or harness (if applicable)wheels and tyres (if applicable)				
			, , , , ,				
	I don't for a stiff on a seed	One didn't to identify and	Met ✓ Not Met X	Ш	Ш	ᆜ	ᆜ
Unit 154	Identify settings and adjustments	Candidate to identify any settings and adjustments	May include: • height adjustment		ln		
	,	applicable to the applicator	spread width adjustment				
4.2			disc speed adjustment				
			metering device				
			Met ✓ Not Met X	П	П		
	Calibrate the applicator	The candidate is required to	Calibration to include:				
Unit 154	and record relevant data	calibrate the	measure spread width				
4.3		sprayer/applicator and record relevant data	calculate application rate				
4.3		Note to the Assessor: Any	check rate against product information	_			
		method of calibration may be	recommendations				
		used providing it is capable of allowing for different walking					
		speeds and spread widths					
		Condidate to recent relevant	Calibratian data maninalisda				
		Candidate to record relevant calibration data	Calibration data may include: walking speed				
			applicator used				
			height setting				
			spread width				
			metering device setting				
			pellet/granule used				
			Met ✓ Not Met X				
	Measure the area to be	Candidate to measure the	To include:				
Unit 154	treated	area. The Assessor may assist under direction of the	accurate measurement of dimensions				
4.4		candidate	Met ✓ Not Met X				
-71-7							
		Note to the Assessor: An area of bank/target of					
		approximately 50m length					
		typical of the candidates normal work situation					
		HOITHAI WORK SILUALION				<u> </u>	

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	C	AND B	IDA.	TE
	Calculate the area to be	Candidate to calculate the	to include:	-		Ŭ	<u> </u>
Unit 154	treated	area	accurate calculation of area				
4.5			Met ✓ Not Met X				
Unit 154	Calculate the quantities of pesticide required	Candidate to calculate quantity required for the specified area calculated in	To include: amount of pesticide required for specified area				
4.6		4.5	Met ✓ Not Met X				
Unit 154	Measure/weigh the required quantities and add to the applicator	Candidate to measure and add quantities required for the area specified in 4.5	To include all of the following: • correct selection and use of PPE/RPE (as				
5.1	to the applicate.	Note: This may be a simulated pesticide	required by the product label, COSHH/Risk Assessment) suitable site selected				
		product	add product following product recommendations and approved procedures				
			accurate measurement of pesticide product avoidance of spillage				
			Met ✓ Not Met X	Ш	Ш	Ш	Ш
Unit 154	Demonstrate safe and accurate application	The candidate is required to treat the area in 4.5	To include: • bankside safety implemented				
	procedures	demonstrating safe and	treatment area clearly identified				
5.2		accurate application procedures	walking speed maintained				
		F	accurate switching on/off points				
			obstacles dealt with correctly (if applicable)				
			all of specified area treated				
			 awareness of changing weather conditions and appropriate action taken (if applicable) avoidance of off target application/contamination 				
	Carry out all activities	Note to the Assessor: The	Met ✓ Not Met X To include:	Ш	Ш	Ш	닏
Unit 154 5.3	protecting human health and the environment	Assessor to be satisfied that the candidate has carried out all activities protecting human health and that of the environment	prevention of personal injury and contamination through correct selection and use of PPE/RPE (as required by the product information, COSHH/Risk Assessment)				
		environment	prevention of public/bystander contaminationsafe filling procedure				
			avoidance of off target application				
			avoidance of over dosing/under dosing target				
			minimising the impact on the aquatic environment				
			Met ✓ Not Met X	Ш	Ш	Ш	Ш
Unit 154	Complete a treatment record	The candidate is required to complete a treatment record.	Completion of the treatment record must be:				
	100014	Note to the Assessor: the	accurate legible (if handwritten)				
5.4		treatment record must be approved or if necessary supplied by the Assessor	Met ✓ Not Met X				
	State how to recover and	Candidate to explain one	Explanation may include:				T
Unit 154	store surplus pellets/granules and how	method of recovering surplus pesticide pellets/granules	careful return to packaging				
6.1	to dispose of waste	, ,	return to temporary mobile store				
	material		return to fixed store				
		Candidate to explain one method of dealing with waste	Packaging: thoroughly emptied				
		packaging	thoroughly emptied placed in secure storage until disposal				
			collected by a licensed waste disposal contractor				
			Met ✓ Not Met X				
Unit 154	Explain how to clean and decontaminate the	Candidate to explain what factors that need to be	Explanation to include at least four of the following points:				
6.2	applicator	considered when cleaning the applicator	 select and use correct PPE/RPE selection of an appropriate site for cleaning the 				
			applicatorclean the applicator following product information				
			and manufacturer recommendations safe disposal of contaminated waste in an				
			 sare disposal or contaminated waste in an appropriate manner following good practice safe procedures followed 				
			Met ✓ Not Met X				
0.01: 4		locument in whole or in part is forbidden with		Ш		Ш	<u> </u>

CRITERIA	ASSESSMENT	ASSESSOR		ASSESSMENT	C	AND	IDA ⁻	ΓЕ
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 application	•	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 illee c	lui	iipa (i Aui i)						
Candidate	A	Name:		Dat	te:	Start Time:	Dura	atior):		
Candidate	В	Name:		Dat	te:	Start Time:	Dura	atior):		
Candidate	C	Name:		Dat	te:	Start Time:	Dura	atior	1:		
Candidate	D	Name:		Dat	te:	Start Time:	Dura	atior):		
CRITERIA NUMBER		ASSESSMENT CRITERIA	ASSESSOR GUIDANCE		1	SSESSMENT ACTIVITIES		C.	AND B	IDA ¹	TE D
Unit 155 1.1 Unit 155	requinsta insta	cribe the legal irements relating to alling pesticide plugs cribe how to install icide plugs safely wing industry best	Candidate to describe two operator's obligations in terms of legal requirements Describe one operator saf regulation in terms of installing pesticide plugs	S	complies with le- comply with The (Sustainable Use the operator must certification for the May include; comply with Pes	rds are in place and equipm gal requirements Plant Protection Products e) Regulations 2012 st hold the appropriate he equipment they are using Met ✓ Not	g				
1.2	prac		installing pesticide plugs		 adopt industry b be aware of any Risk/COSHH As requirements 	est practice safety implications imposed sessment and comply with Met ✓ Not	the				
Unit 155 2.1	envi	tify risks to the ronment from installing icide plugs	Candidate to identify all relevant risks to the environment for the application site		May include: water courses Tree Preservation conservation are wildlife non-target speci leaving hazardor housing public access other risks speci	eas es us standing dead wood	Met X				
Unit 155 2.2		ain how to minimise to the environment	Candidate to explain how minimise the risks identified in 2.1		body (if requireduse an appropriacareful timing of	ate pesticide					
Unit 155 3.1 Unit 155	Inter	d product information pret product mation	The candidate is required to read and interpret the information on a product late and provide relevant information as requested by the Assessor	bel	The following to be te product name active substance Important information field of use	e(s) (ingredient(s))					
3.2			Note to the Assessor: A product label is required. It expected that the candidat will provide the product lab. The label provided must be for a currently approved product and appropriate to the candidates normal wor	e el e	 crop/situation maximum individed maximum total of May include the follow specific product 	dose wing: precautions/warnings					
Continued			Note to the Candidate (Assessor also to note): lacceptable for key information on the label to highlighted for use during t	It is be	 operator protection environmental prestrictions on use 	rotection					

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 4.1	Carry out pre use checks to the application equipment	Candidate to carry out all pre-use checks relevant to the application equipment being used for the	May include:				
		assessment	battery sufficiently charged (if applicable)				
			adequate fuel (if applicable)air filter clean and in good condition (if applicable)				
			cooling fins clean/vents clean and clear (if applicable)				
			drill bit securely fitted in chuckdepth gauge secure and set correctly				
			hammer head securely fitted to shaft (if applicable)				
			any other checks specific to the equipment used				
			Met ✓ Not Met X				
Unit 155	Measure the diameter of the tree or stump to be	Candidate to measure the diameter of the stump or	To include: accurate measurement				
4.2	treated	standing tree to be treated	accurate calculation (if required)				
			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	Demonstrate safe and	Candidate to install a	Met ✓ Not Met X		Ш	\sqcup	
Unit 155 5.1	accurate installation procedures	minimum of six 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 				
			 plugs installed in to the correct part of the stump/tree plugs installed to the correct depth 				
	Corm, out all activities	Assessor to be satisfied that	Met ✓ Not Met X To include:	Ш	Ш	Ш	Ш
Unit 155 5.2	Carry out all activities protecting human health and the environment	the candidate has carried out all activities protecting human health and the environment	 prevention of personal injury and contamination through correct selection and use of PPE (as required by the product information, COSHH/Risk Assessment) prevention of public/bystander contamination safe installation procedure avoidance of non-target species application avoidance of over dosing/under dosing Met ✓ Not Met X 				
Unit 155	Complete a treatment record	The candidate is required to complete a treatment record.	Completion of the treatment record must be:				
5.3	Toolu	Note to the Assessor: The treatment record must be approved by the Assessor (or	 accurate legible (if handwritten) Met ✓ Not Met X 				
	State how to deal with	supplied by the Assessor if necessary) Candidate to explain one	Explanation may include:				
Unit 155	unused pesticide	method of dealing with	 careful return to packaging 				
6.1	plugs and packaging	unused pesticide plugs and packaging	return to temporary mobile store				
			return to fixed store packaging thoroughly emptied				
			packaging thoroughly emptiedplaced in secure storage until disposal				
			collected by licence waste disposal contractor				
			Met ✓ Not Met X				

CRITERIA	ASSESSMENT	ASSESSOR	ASSESSMENT	C	AND	IDA ¹	ΓE
NUMBER	CRITERIA	GUIDANCE	ACTIVITIES	Α	В	С	D
Unit 155	State how to clean application equipment	Candidate to explain 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				
			 safe disposal of contaminated waste in an appropriate manner following good practice 				
			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				
C 2		storing the application	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	A	Name:		Da	te:	Start Time:	Dura	atior	1:		
Candidate	B	Name:		Da	te:	Start Time:	Dura	atior	1:		
Candidate	e C	Name:		Da	te:	Start Time:	Dura	atior	1:		
Candidate	e D	Name:		Da	te:	Start Time:	Dura	atior	1 :		
CRITERIA NUMBER		ASSESSMENT CRITERIA	ASSESSOR GUIDANCE			SSESSMENT ACTIVITIES		C.	AND B	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		(Sustainable Usthe operator mu	e Plant Protection Products ie) Regulations 2012 ist hold the appropriate the equipment they are usir Met ✓ Not	ng				
Unit 156 1.2	pes	scribe how to inject ticides safely following ustry best practice	Candidate to describe on operator safety regulation terms of using pesticide injection equipment		adopt industry bbe aware of any	sticide Codes of Practice	ed by]	
			Candidate to describe the method for injecting the tar		May include: injection site on growth stage time of year marking system	plant/target to avoid misses/overdosing Met ✓ Not	_				
Unit 156 2.1		ntify risks to the ironment	Candidate to identify all relevant risks to the environment for the application site		wildlifenon-target plantconservation are	wing: nargins/strips/areas ss eas eas sus standing dead wood areas					
Unit 156 2.2		lain how to minimise s to the environment	Candidate to explain how minimise the risks identifie in 2.1		 permission soug body (if required use an approprisenvironmental ir careful timing of check and main erect warning si 	ate pesticide(minimal mpact) f application tain application rate					

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	C A	AND B	IDA ⁻	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 information as requested by	product nameactive substance(s) (ingredient(s))				
Unit 156		the Assessor	Important information: • field of use				
3.2		Note to the Assessor: A	target				
3.2		product label is required. It is expected that the candidate	maximum individual dose				
		will provide the product label	maximum total dose				
		The label provided must be	May include the following: specific product precautions/warnings			L	
		for a currently approved product and appropriate to	specific product precautions/warningsoperator protection				
		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 dose rate				
		information on the label to be highlighted for use during the	dilution rate if applicable				
		assessment	• timing				
			Mixing and spraying:				
			• filling				
			additional label information				
			Met ✓ Not Met X				
Unit 156	Identify and select equipment according to	Candidate to identify and explain the use of two types	May include:				
	application requirements	of needle (if applicable)	 long needle for initial treatment or thicker stems short needle for repeat treatment or thinner 				
4.1		Note to the Assessor: One	stems				
		of these should be the needle	Met ✓ Not Met X				
		intended for use (if applicable)					
11 11 450	Carry out pre use checks	Candidate to carry out all	Applicator components to be inspected for				
Unit 156	to the applicator	pre-use checks relevant to the applicator being used for	serviceability and contamination that may include: tank/bottle/container				
4.2		the assessment	• lid				
			• filters				
			hosesconnections				
			• seals				
			on/off control				
			• straps				
			To include:				
			 applicator checked for leaks any problems identified to be rectified if within 				
			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)	 suitable needle selected needle fitted correctly 				
		Candidate to check needle	,				
		condition	To include: • needle undamaged				
			Met ✓ Not Met X				
	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				
7.5		Candidate to record relevant calibration data	Calibration data may include:				
		Samplation data	applicator usedneedle fitted				
			applicator setting				
			pesticide used				
			Met ✓ Not Met X				
					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 measure and	To include all of the following;		H		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		П		
	Demonstrate safe and	The candidate is required to	To include:		H		H
Unit 156	accurate injection	treat the targets in 4.4	targets clearly identified				
	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	
	Carry out all activities	Note to the Assessor: The	To include:		F		H
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		all 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	
	Complete a treatment	The candidate is required to	Completion of the treatment record must be:				Ľ
Unit 156	record	complete a treatment record	accurate				
		Note to the Assessment	legible (if handwritten)				
5.4		Note to the Assessor: The treatment record must be	Met ✓ Not Met X				
		approved by the Assessor (or	Met → Not Met X	Ш	Ш	Ш	Ш
		supplied by the Assessor if					
		necessary)					
Unit 156	Explain how to manage	Candidate to explain one	Explanation may include:		_	_	
Unit 156	surplus pesticide and dispose of waste material	method of managing surplus concentrate pesticide	return to temporary mobile store				
6.1		,	return to fixed store				
		Candidate to explain one	Containers:				
		method of dealing with waste	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	 treated by specialist treatment facility on site (e.g. 				
		applicable)	a lined bio bed)				
			collected by a licensed waste disposal contractor				
			Met ✓ Not Met X				
		İ	MICE - NOT MEET	ı	ı	-	السار

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	 selection of an appropriate site for cleaning the applicator 				
			 triple rinse the applicator following product information recommendations 				
			thorough flushing of system				
			 safe disposal of contaminated washings in an appropriate manner following good practice 				
		safe procedures followed					
			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		oquipmoni	 repair or notify supervisor if not within operators level of responsibility and ability 				
			lubricate if required				
			needle covered/removed to protect operator				
			store in a secure area				
			store under cover and out of direct sunlight				
			Met ✓ Not Met X				

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

Candidate	Α	Name:		Da	ite:	;	Start Time:	Dura	ition	1:		
Candidate	В	Name:		Da	ite:	;	Start Time:	Dura	ition	1:		•
Candidate	C	Name:		Da	ite:	;	Start Time:	Dura	ition	1:		
Candidate	D	Name:		Da	ite:	;	Start Time:	Dura	ition	1:		
CRITERIA NUMBER		ASSESSMENT CRITERIA	ASSESSOR GUIDANCE				SESSMENT CTIVITIES		C/ A	AND B	IDAT C	ΓE D
Unit 157 1.1	req app	scribe the legal uirements relating to lying pesticides using d held equipment	Candidate to describe one operator's obligations in terms of legal requirements		(Sustainable the operato	le Use) or must	Plant Protection Products Regulations 2012 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 describe one operator safety regulation iterms of using hand held pedestrian equipment		adopt indusbe aware of	stry bes of any sa HH Asse	cide Codes of Practice st practice afety implications imposed essment and comply with					
			Candidate to describe the differences in technique fo overall treatment and spot treatment (if applicable) Three required for each technique	r	consistent raccurate ormatching of	walking mping to nozzle n/off po of bouts	g speed o maintain constant pressi height vints	ure				
						uitable n g a suita ment of unde	nozzle	Mot 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 con water cours drains boreholes environmer wildlife non-targets sensitive cr hedgerows housing public acce other risks s	nditions ses ntal ma s rops/are	ng: rgins/strips/areas eas					
Unit 157 2.2 Continued		lain how to minimise s to the environment	Candidate to explain how minimise the risks identified in 2.1		 use of an all environmer careful timin check and relation avoid spray avoid off tander observe bute erect warning 	approprintal impling of apmaintail maintail y drift arget apuffer zoring sign	pplication in application rate pplication nes					

CRITERIA	ASSESSMENT	ASSESSOR	ASSESSMENT		AND	IDA	
NUMBER	CRITERIA	GUIDANCE	ACTIVITIES	Α	В	С	D
Cont Unit 157		Candidate to check and commen t on wind speed and direction	use of anemometer at suitable height or visible signswind direction				
2.2		Candidate to state the reason for minimising off target application and spray drift	avoidance of contamination to people and the environment				
		Candidate to state five 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 state two 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	Ш	닏	쁘
Unit 157 3.1	Interpret product information	read and interpret the information on a product label and provide relevant	 product name active substance(s) (ingredient(s)) 				
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 dose				
		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: crop/target dose rate water volume				
			timingMixing and spraying:filling				
			 recommended nozzles recommended pressure spray quality 				
			additional label information compatibility Met ✓ Not Met X				
		<u> </u>	mot Frot met X	Ш	Ш	Ш	Ц_

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	A	AND B	IDA ⁻	ΓE
NOMBER	Carry out pre use checks	Candidate to carry out all	May include:	^	В	U	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 applicable)				
		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				
	Identify any controls or	Candidate to identify all	May include:				
Unit 157	components applicable to	components and controls	tank				
4.2	the applicator	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				
Unit 157	Calibrate the applicator	The candidate is required to calibrate the applicator and	Calibration may include:	_			_
Unit 157	and record relevant data	record relevant data	calculation of water volume rate				
4.3		1000ra 1010 vaint 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) 				
			 disc(s) fitted (swath width if appropriate) 				
			pressure setting				
			wick priming time				
			Met ✓ Not Met X		П	П	
	Measure and calculate the	Candidate to calculate the	To include:				Ш
Unit 157	area/target to be treated	area/target to be treated	Accurate calculation of area/target		Ιп		
4.4			Met ✓ Not Met X		П		
7.7	Calculate the quantities of	Candidate to calculate	To include if applicable:				
Unit 157	pesticide and water	quantities required for the	amount of water required for specified area				
	required, if applicable	area calculated in 4.4 and full	amount of pesticide required for specified area				
4.5		tank		1	1		
7.0			 amount of pesticide required for full 	I			
7.0			amount of pesticide required for full tank/container				
7.0							

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	C.	AND B	IDA1	ΓE
	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	 correct selection and use of PPE(as required by the product label, COSHH/Risk Assessment) suitable site selected 				
		oonano.	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				
	Demonstrate safe and	The candidate is required to	May include:	H			
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				
3.2		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	Ш	Ш	Ш	Ш
Unit 157	Carry out all activities protecting human health	Note to the Assessor: The Assessor to be satisfied that	To include:				
Oliit 137	and the environment	the candidate has carried out	 prevention of personal injury and contamination through correct selection and use of PPE (as 				
5.3		all activities protecting human	required by the product information, COSHH/Risk				
		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				
	Complete a transfer and	The condidate is required to	Met ✓ Not Met X	Ш	Ш		닏
Unit 157	Complete a treatment record	The candidate is required to complete a treatment record	Completion of the treatment record must be: accurate	Ιп	lп		П
- 4		Note to the Assessments	legible (if handwritten)				
5.4		Note to the Assessor: the treatment record must be					
		approved or if necessary	Met ✓ Not Met X				
	Explain how to manage	supplied by the Assessor Candidate to explain one	Explanation may include:	<u> </u>			
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			Totali to fixed store				
		Candidate to explain one	Containers:				
		method of dealing with waste containers or packaging	triple rinsed				
		oontainers of paokaging	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				
		Candidate to explain two	Explanation may include:				
	1	methods of managing surplus	back on to area/target as long as it is below the				
			maximum dose rate				
		dilute pesticides					
		dilute pesticides	use on another approved area/target				
		unite pesticides	 use on another approved area/target treated by specialist treatment facility on site (e.g. 			_	_
		unite pesticides	 use on another approved area/target treated by specialist treatment facility on site (e.g. a lined bio bed) 				
		unute pesticides	 use on another approved area/target treated by specialist treatment facility on site (e.g. 			_	_

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 describe three 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				

Sı	ummary of Assessment (The Assessor is to complete the followi	ing as a _l	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 has met all of the assessment criteria	Tick ✓	The Candidate has not met all of the assessment criteria; (state reason(s))	Tick			
	Signed:	Date:					
	r use by Internal Verifier ONLY if the assessment process was a ternal Verifier to complete ONE of the boxes below)	internally	verified				
l ol	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:	