CITY & GUILDS LEVEL 2 AWARD IN THE SAFE APPLICATION OF PESTICIDES USING BOAT MOUNTED EQUIPMENT (PA5) 601/5144/4



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 3	L2 Award in the Safe Application of Pesticides Using Boat Mounted Equipment (PA5)
Unit(s)	1 4 1	Operating Boat Mounted Sprayers fitted with Hydraulic Nozzles/Rotary Atomisers for Applying Pesticides to Water (PA5A) (K//505/7697)
	1 4 2	Operating Boat Mounted Granular Applicators for Applying Pesticides to Water (PA5B) (H/505/7701)
	1 4 3	Operating Boat Mounted Applicators for Applying Piscicides to Water (PA5P) (H/505/7715)
Guided Learning Hours (GLH)		54
Total Qualification Time (TQT)		60
Recommended Assessment Duration		1.5 – 3 hours per Candidate
Pre-Requisite Units	1 0 1	Principles of Safe Handling and Application of Pesticides (PA1)

Version and date	Change detail	Section
1.1 November 2017	Added TQT details Deleted QCF / Learning Time	Qualification at a glance, Structure Throughout
1.2 April 2022	GLH and TQT clarified and highlighted City & Guilds address updates	Qualification at a glance Pg 4

City & Guilds Level 2 Award in the Safe Application of Pesticides Using Boat Mounted Equipment (PA5) Qualification Guidance

Introduction

The scheme will be administered by City & Guilds

City & Guilds will:

Publish - Scheme regulations

- Qualification guidance
- Training material
- Trainers support material

Approve Centres to co-ordinate and administer the scheme Set standards for the training of Verifiers and Assessors Recruit, train and deploy Verifiers Manage verification Issue Certificates to successful Candidates

The Qualification

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

Training

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

Total Qualification Time

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

Access to Assessment

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

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

The assessment is divided in to three optional units:

Unit 141 - PA5A	(Optional)	(Credit Value 3)	(Print pages 5 – 11 plus 23)
Outcome 1. Outcome 2. Outcome 3. Outcome 4. Outcome 5. Outcome 6.	Be able to ass Be able to rea Be able to pre Be able to ope	ess the environmental factor d and interpret product infor pare and calibrate the appli- erate the application equipm	
Unit 142 - PA5B	(Optional)	(Credit Value 3)	(Print pages 12 – 16 plus 23)
Outcome 1. Outcome 2. Outcome 3. Outcome 4. Outcome 5. Outcome 6.	Be able to ass Be able to rea Be able to pre Be able to ope	ess the environmental factor d and interpret product infor pare and calibrate the appli- erate the application equipm	
Unit 143 - PA5P	(Optional)	(Credit Value 3)	(Print pages 17 – 23)
Outcome 1. Outcome 2. Outcome 3. Outcome 4. Outcome 5. Outcome 6.	Be able to ass Be able to rea Be able to pre Be able to ope	ess the environmental factor d and interpret product infor pare and calibrate the appli- erate the application equipm	

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

There are no endorsements for this Award.

Quality Assurance

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

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

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

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

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

Performance Evaluation

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

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

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

Appeals and Equal Opportunities

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

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

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

Validation of Equipment

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

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

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

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

Safe Practice

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

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

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

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

Before any assessments take place, Assessor & Candidate should 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 141 - Operating Boat Mounted Sprayers Fitted With Hydraulic Nozzles/Rotary Atomisers for Applying Pesticides to Water (PA5A)

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Unit 141 3.1 Unit 141 3.2 Read product information Interpret product information Interpret product information Interpret product information Interpret the information on a product label and provider relevant information information information as requested by the Assessor A product label is required. It is expected that the candidate will provide the product tabel. The label provided must be for a currently approved product and appropriate to the candidates normal work situation Note to the Candidate (Assessor also to note): It is acceptable for key information on the label to be highlighted for use during the assessment Note to the Candidate (Assessor also to note): It is acceptable for key information on the label to be highlighted for use during the assessment **May include the following: **product name** **active substance(s) (ingredient(s)) **Ingret** **ingret** **maximum individual dose** **maximum number of treatments **product name** **active substance(s) (ingredient(s)) **target** **maximum individual dose** **maximum individual dose** **maximum unmber of treatments **specific product precautions/warnings **operator protection **emaximum individual dose** **maximum individual dose** **m				•				
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Note to the Assessor: A product label is required. It is expected that the candidate will provide the product label. The label provided must be for a currently approved product and appropriate to the candidates normal work situation Note to the Candidate (Assessor also to note): It is acceptable for key information on the label to be highlighted for use during the assessment • field of use (aquatic) • target • maximum nounder of treatments • maximum number of treatments • product precautions/warnings • perator protection • environmental protection • target • dose rate • water volume • timing Mixing and spraying: • filling • reduced volume applications (if applicable) • recommended pressure • spray quality	3.1	Illomation	information as requested by	Important information:				
Note to the Assessor: A product label is required. It is expected that the candidate will provide the product label. The label provided must be for a currently approved product and appropriate to the candidates normal work situation Note to the Candidate (Assessor also to note): It is acceptable for key information on the label to be highlighted for use during the assessment Note to the Candidate (Assessor also to note): It is acceptable for key information on the label to be highlighted for use during the assessment target maximum individual dose maximum number of treatments maximum number of treatmen	Unit 141		the Assessor	· ·	П	П	П	П
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will provide the product label. The label provided must be for a currently approved product and appropriate to the candidates normal work situation Note to the Candidate (Assessor also to note): It is acceptable for key information on the label to be highlighted for use during the assessment **Crop specific information:* ** target* ** dose rate* ** water volume* ** timing* Mixing and spraying:* ** filling* ** reduced volume applications (if applicable)* ** recommended pressure* ** pray quality* ** maximum total dose* ** maximum total dose* ** maximum number of treatments* ** Specific product precautions/warnings* ** operator protection* ** environmental protection* ** restrictions on use* ** Crop specific information:* ** target* ** dose rate* ** water volume* ** it iming* ** maximum total dose* ** maximum number of treatments* ** operator protection* ** environmental protection* ** target* ** dose rate* ** water volume* ** it iming* ** maximum number of treatments* ** operator protection* ** environmental protection* ** environmental protection* ** target* ** dose rate* ** water volume* ** it iming* ** reduced volume applications (if applicable)* ** recommended nozzles* ** environmental protection* ** target* ** dose rate* ** water volume* ** prediction* ** recommended nozzles* ** pray quality* ** proving in the protection* ** proving in the proving i	3.2			1				
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product and appropriate to the candidates normal work situation Note to the Candidate (Assessor also to note): It is acceptable for key information on the label to be highlighted for use during the assessment Specific product precautions/warnings operator protection environmental protection restrictions on use				maximum number of treatments				
situation Note to the Candidate (Assessor also to note): It is acceptable for key information on the label to be highlighted for use during the assessment Crop specific information: • target • dose rate • water volume • timing Mixing and spraying: • filling • reduced volume applications (if applicable) • recommended nozzles • recommended pressure • spray quality			product and appropriate to	Specific product precautions/warnings				
Note to the Candidate (Assessor also to note): It is acceptable for key information on the label to be highlighted for use during the assessment Trestrictions on use Crop specific information: target dose rate water volume timing Mixing and spraying: filling reduced volume applications (if applicable) recommended nozzles restrictions on use								
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highlighted for use during the assessment odose rate			acceptable for key	Crop specific information:				
assessment				target				
 timing Mixing and spraying: filling reduced volume applications (if applicable) recommended nozzles recommended pressure spray quality 				dose rate				
Mixing and spraying: • filling • reduced volume applications (if applicable) • recommended nozzles • recommended pressure • spray quality				water volume				
filling reduced volume applications (if applicable) recommended nozzles recommended pressure spray quality				• timing				
reduced volume applications (if applicable) recommended nozzles recommended pressure spray quality				Mixing and spraying:				
recommended nozzles recommended pressure spray quality				9				
recommended pressure spray quality								
• spray quality					l			
				·				
				Spray quality				
additional label information				additional label information				
Met ✓ Not Met X □ □ □				Met ✓ Not Met X				

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	C.	AND B	IDA1	ΓE D
Unit 141 4.1	Identify sprayer components and controls	Candidate to identify all components and controls relating to the applicator being used for the assessment	May include: tank filters pump pressure gauge pulsation damper filling control and devices agitation control pressure or volume regulator/pressure relief valve on/off control boom isolators tank wash system valve positions boom pressure compensation other items specific to the applicator				
		Identify and explain the use of two types of nozzle, one of which could be that intended for use	To include: • flat fan – general purpose • air inclusion – reduces drift Met ✓ Not Met X				
Unit 141 4.2	Carry out pre use checks to the boat	Candidate to carry out all pre-use checks relevant to the boat being used for the assessment	May include: suitable for the situation accessibility of boat controls accessibility of sprayer controls even loading outboard motor applicator power source presence of personal flotation device no equipment on operator's back when operating from the boat				
			Met ✓ Not Met X				
Unit 141 4.3	Carry out pre-use and operational checks to the sprayer	Candidate to carry out all pre-use and operational checks to the sprayer/applicator Check security of attachment of applicator mechanisms	May include: fasteners tight straps inspected and adjusted if necessary				
		Check for mechanical defects	 seized, worn or damaged controls/components atomiser drives/electrical connectors 				
		Check that the applicator is lubricated correctly	 identification of lubrication points visual inspection of lubrication points visual inspection of levels 				
		Check boom settings, suspension and break-back devices	boom suspension operationalbreak-back efficiencyheight adjustment				
		Remove, clean and refit a filter	Candidate to: remove and clean using appropriate method contain spillage check for defects, replace if damaged refit				
Continued		Remove, clean/replace and refit a nozzle/restrictor	Candidate to: remove and clean using appropriate method contain spillage check for defects replace if worn/damaged refit				

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE		ASSESSMENT ACTIVITIES	C A	AND B	IDAT	TE D
HOMBER	OMILIMA	Explain how to use the	May ii	nclude:		Ľ	├	۲
Cont		control panel to ensure that		functions of control panel				
Unit 141		the applicator is functioning correctly (if applicable)	• r	recognition of malfunctions before and during				
		,, ,,		operation				
4.3				check accuracy of base settings				
			• 8	switch to manual/test mode where applicable				
		Part fill applicator	To inc	clude:				
			• 5	suitable site selected				
			• 5	safe, secure mooring when transferring pesticides				
			• f	fill by usual on-site method, following approved				
			ŗ	procedures				
			• (clean water supply				
		Check applicator for leaks	Mav ii	nclude:				
		and correct spray patterns		use higher than normal operating pressure				
				visual check of all nozzles/atomisers for correct				
			5	spray patterns, absence of blockages, streaking,				
				oulsing correct alignment				
				replace defective nozzles/atomisers/discs				
				ids and seals				
				pipe work and connections				
				control valves				
				filters				
				pressure gauge				
				diaphragm check valves				
		State one suitable action in	May ii	nclude:				
		the event of the control panel failing (if applicable)		stop pesticide application				
		railing (ii applicable)	• r	manual operation of controls if possible				
				Met ✓ Not Met X				
	Calibrate the sprayer and record relevant data	Candidate is required to calibrate the applicator and record relevant data	Calibr	ration may include the following:				
4.4		Select and record boat	• (direction of travel (upstream or downstream)				
		forward speed		suitable boat forward speed for target				
				appropriate engine speed established				
				accurate measurement of distance				
			• a	accurate measurement of time taken to cover				
			C	distance				
			• (correct use of formula to establish forward speed				
		Calculate required output/volume rate	• (correct use of formula				
		Select appropriate	• (use of manufacturers operators handbook				
		nozzle/atomiser using		use of nozzle/atomiser manufacturers literature				
		manufacturers literature (if available)	• (confirm requirements of product label				
		Set operating pressure/disc	• r	pressure as determined by nozzle chart				
		speed	-	disc speed as determined by manufacturers				
			I	iterature				
			• p	oressurise/purge appropriate to the system				
		Check nozzle/atomiser outputs	a	use a measuring jug check to check output from at least one nozzle/atomiser per boom section (minimum of three per applicator)				
				compare with target output				
				vary pressure to make small adjustments				
Continued			I	change nozzles/atomisers if required				
				Or any other acceptable method				
			• (Or any other acceptable method				

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	C.	AND B	IDA1 C	E D
Comt		State four pieces of	May include:				
Cont		calibration data that should be recorded	boat identificationboat engine speed				
Unit 141			boat engine speedsprayer engine speed				
4.4			boat forward speed				
			application volume				
			nozzle/restrictor/disc fitted				
			pressure/disc speed				
			flow rate				
			Met ✓ Not Met X	Ш	Ш	Ш	Ш
Unit 141	Calculate the quantities of pesticide and water	Candidate to calculate quantities required for both a	To include: amount of water required for specified area				
	required for a specified	specified area and full tank	amount of water required for specified area				
4.5	area		amount of pesticide required for full tank				
			Met ✓ Not Met X	П	П	П	П
	Measure the required	Candidate to measure and	To include:				
Unit 141	quantities and add to the applicator	add quantities required for the area specified in 4.5	safe, secure mooring when transferring pesticides				
5.1	αρριισαίοι	the area specified in 4.3	 and equipment correct selection and use of PPE (as required by 				
			the product label and/or COSHH/Risk				
			Assessment)				
			suitable site selected				
			 fill by usual on-site method, following approved procedures 				
			clean water supply				
			accurate measurement of water				
			accurate measurement of pesticide				
			correct filling procedureuse of filling device if fitted				
			avoidance of spillage				
			observance of pesticide manufacturers			_	
			instructions for mixing and agitation				
			Met ✓ Not Met X				
Unit 141	Demonstrate safe and accurate application	Candidate to describe two possible methods of marking	May include:]	-]
Omt 141	procedures	out the site to achieve	marker polesblob markers				
5.2		accurate application	• buoys				
			• GPS				
		Candidate to explain the	Explanation to include:				
		appropriate procedure to	mark the spot at which the applicator emptied				
		follow when the applicator needs refilling part way	refill applicator				
		through an application	continue spraying by accurately matching at the				
			appropriate point				
		Candidate to explain the	Explanation to include:				
		appropriate procedure to follow when a	mark the spot				
		nozzle/restrictor becomes	 select and use appropriate PPE clean or replace nozzle/restrictor as appropriate 				
		blocked during an application					
		Treat a specified area appropriate to the candidates	To include:				
		normal work situation and	 ensure boom is level or aligned to the target correct boom/nozzle height according to target 				
		sufficient to demonstrate safe and accurate application	operate controls to start and finish applying				
		procedures	accurately at the beginning and end of each bout				
			 correct forward speed and pressure for site conditions 				
i .	i		accurate matching of bouts/use of marking aids				
1							
			coping with obstacles				
			all of specified area treated, minimising overlaps				
			all of specified area treated, minimising overlaps and misses				
			all of specified area treated, minimising overlaps and misses				
			 all of specified area treated, minimising overlaps and misses awareness of changes in wind speed and 				

CRITERIA	ASSESSMENT	ASSESSOR	ASSESSMENT		AND		
NUMBER	CRITERIA	GUIDANCE	ACTIVITIES To include:	Α	В	С	D
Unit 141 5.3	Carry out all activities protecting human health and the environment	Note to the Assessor: Assessor to be satisfied that the candidate has carried out all activities protecting human health and the	To include: prevention of personal injury and contamination through correct selection and use of PPE (as required by the product information, COSHH/Risk Assessment)				
		environment	prevention of public/bystander contamination safe filling procedure				
			safe filling procedureavoidance of spray drift				
			 avoidance of spray drift avoidance of off target application/contamination 				
			avoidance of our dayer application/contamination avoidance of over dosing/under dosing				
			target/plant material				
			minimising the impact on the aquatic environment				
			Met ✓ Not Met X	Ы			
	Complete a tractment	Condidate in required to		╨	Ш		닏
Unit 141	Complete a treatment record	Candidate is required to complete a treatment record	Completion of the treatment record must be: accurate				
		·	legible (if handwritten)				
5.4		Note to the Assessor: The treatment record must be					
		approved by the Assessor (or supplied by the Assessor if necessary)	Met ✓ Not Met X				
I In:t 4 44	Explain how to manage	Candidate to explain one	May include:				
Unit 141	surplus pesticide and waste material	method of dealing with surplus concentrate pesticide	return to temporary mobile store				
6.1			return to fixed store				
		Candidate to explain two	containers:				
		methods of dealing with	triple rinsed				
		waste containers or packaging	placed in secure storage until disposal				
		paokaging	returned to supplier				
			collected by licensed waste 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 surplus dilute pesticide	back on to site as long as it is below the maximum dose rate				
			use on another approved target				
			treated by specialist treatment facility on site (e.g. a lined bio bed)				
			collected by a licensed waste disposal contractor				
			Met ✓ Not Met X				
	Explain how to clean and	Candidate to explain four	May include:	╬			F
Unit 141	decontaminate	factors that need to be	 select and use appropriate PPE 				
	the sprayer and the boat	considered when cleaning	appropriate site				
6.2		and decontaminating the sprayer and the boat	thorough washing with water and suitable				
			cleaning agent (if recommended/required)				
			internal and external surfaces				
			use of in-built wash systems if provided				
			care to ensure contamination 'hot-spots' are clean there are flushing of systems.				
			thorough flushing of systems				
			appropriate bio-security measures implemented safe disposal of contaminated washings				
			oalo alopooal of contaminatou macinings				
			when cleaning, ensure covers when under repairsafe procedures followed				
			Met ✓ Not Met X		Ш		Ш

CRITERIA	ASSESSMENT	ASSESSOR	ASSESSMENT	C	AND	IDA1	ГΕ
NUMBER	CRITERIA	GUIDANCE	ACTIVITIES	Α	В	С	D
	Describe the storage	Candidate to describe three	May include:				
Unit 141	requirements for the	factors to consider prior to	ensure the applicator is clean and dry				
6.3	sprayer	storing the applicator	inspect for wear and damage				
6.3			replace any worn or damaged parts				
			controls left in appropriate positions				
			frost protection measures implemented				
			lubricate as required				
			store undercover and out of direct sunlight				
			store in a secure area				
			Met ✓ Not Met	П			

Unit 142 - Operating Boat Mounted Granular Applicators for Applying Pesticides to Water (PA5B)

(110-)											
Candidate	Α	Name:		Dat	te:	Start Time:	Dura	ation	1:		
Candidate	В	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	ation	1:		
CRITERIA NUMBER		ASSESSMENT CRITERIA	ASSESSOR GUIDANCE			SSESSMENT ACTIVITIES		C.	AND B	IDA1	ΓE D
Unit 142 1.1	requapp boa	pescribe the legal quirements relating to oplying pesticides using pat mounted granular oplicators Define the term "to or nea water". Candidate to state three examples			streams, rivers, į	n include drainage channels ponds, lakes, reservoirs, car and the banks or areas acent					
	Candidate to describe two legal requirements relating operating boat mounted granular applicators			complies with legcomply with The	ds are in place and equipme gal requirements Plant Protection Products e) Regulations 2012	ent					
						st hold the appropriate ne equipment they are using	J				
		Candidate to describe two legal requirements relating applying pesticides using boat mounted granular applicators				cide has aquatic approval ntal agency approval Met√ Not	Met X				
Unit 142 1.2	Describe how to apply pesticides safely using boat mounted granular applicators following industry best practice		Describe three operator safety requirements in term of using boat mounted granular applicators	ns	availability of lifepersonal flotationbe aware of any	vant codes of practice ring/rescue devices					
			State two factors which ma		May include: wind speed water flow weed obstruction	n Met ✔ Not I	Met X				
Unit 142 2.1		ntify risks to the aquatic ironment	Candidate to identify all relevant environmental factors for the application s	site		g points points of water over side wildlife habitat side vegetation leading to be] 00 0000000000000000		
	I					Met ✓ Not I	wet X	11	II I '	11	ш

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	C/ A	AND B	IDAT	ΓE
110111211	Explain how to minimise	Candidate to explain how to	May include:			•	
Unit 142	risks to the environment	minimise the risks identified	work in an upstream direction (if applicable)				
2.2		in 2.1	treat the permitted area only				
2.2			check weather suitability before treatment				
			check downstream uses before treatment				
			 inform neighbours/downstream users before application 				
			use an appropriate pesticide (minimal				
			environmental impact)				
			careful timing of treatment				
			check and maintain application rate				
			avoid spray drift				
			exclude livestock				
			erect warning signs				
		Candidate to check and	To include:				
		comment on wind speed and	use of anemometer or visible signs at suitable				
		direction	height				
			wind direction				
		Candidate to state five	May include:				
		factors that may affect	applicator levelled according to manufacturer's				
		uniformity of spread from the	recommendations				
		applicator	applicator at correct height				
			correct settings of spreading mechanism				
			consistency of disc speed				
			size/density of granules				
			• wind				
			boat forward speed				
			Met ✓ Not Met X				
	Read product information	The candidate is required to	May include the following:				F
Unit 142	, , , , , , , , , , , , , , , , , , ,	read and interpret the	product name				
0.4	Interpret product	information on a product label	 active substance(s) (ingredient(s)) 				
3.1	information	and provide relevant information as requested by					
3.2		the Assessor	Important information:				
3.2		Note to the Assessor: A	field of use (aquatic)				
		Note to the Assessor: A product label is required. It is	target maximum individual dose				
		expected that the candidate	maximum individual dose maximum total dose				_
		will provide the product label	maximum rotal dose maximum number of treatments				
		The label provided must be	Thaking in the differences				
		for a currently approved	specific product precautions/warnings				
		product and appropriate to the candidates normal work	operator protection				
		situation	environmental protection				
			restrictions on use				
		Note to the Candidate (Assessor also to note): It is	Crop specific information:				
		acceptable for key	target				
		information on the label to be	dose rate				
		highlighted for use during the assessment	• timing				
		assessment					
			filling recommendations				
			additional label information				
			Met ✓ Not Met X				
	Identify applicator	Candidate to identify all	May include:				
Unit 142	components and controls	components and controls	on/off control				
4.1		relating to the applicator being used for the	metering mechanism				
		assessment	bias mechanism				
			• hopper				
			• lid				
			emptying outlet/mechanism				
			agitator				
			disc speed control				
			spread width limiter other controls specific to the applicator				
			and common opening to the approach.				
			Met ✓ Not Met X	Ш	Ш	Ш	Ш
		•	•				

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	C.	AND B	IDAT	TE D
Unit 142	Carry out pre use checks to the boat	Candidate to carry out all pre-use checks relevant to	May include: suitable for the situation				
4.2		the boat being used for the assessment	accessibility of boat controls				
7.2			accessibility of applicator controls				
			even loading				
			outboard motor applicator power source				
			applicator power sourcepresence of personal flotation device				
		On all late to a sum and all	Met ✓ Not Met X	Ш	Ш	Ш	ഥ
Unit 142 4.3	Carry out pre-use and operational checks to the applicator	Candidate to carry out all pre-use and operational checks to the applicator					
7.5		Check security of attachment	May include:				
		of applicator mechanisms	fasteners tight				
			straps inspected and adjusted if necessary				
		Check for mechanical	seized, worn or damaged controls/components				
		defects	electrical connectors				
			Clostifical commodition				
		Check that the applicator is	identification of lubrication points				
		lubricated correctly	visual inspection of lubrication points				
			visual inspection of levels				
			any problems identified to be rectified if within operators level of responsibility and ability	L			П
		Explain how to use the control panel to ensure that	May include:	l _	_	_	
		the applicator is functioning	• functions of control panel				
		correctly (if applicable)	recognition of malfunctions before and during operation				
			check accuracy of base settings				
			switch to manual/test mode where applicable				
		Dort fill amplicator	To include:				
		Part fill applicator	suitable site selected				
			 safe, secure mooring when transferring pesticides 				
			fill by usual on-site method, following approved				
			procedures				
		State one suitable action in	May include:				
		the event of the control panel	stop pesticide application				
		failing	 manual operation of controls if possible 				
			Met ✓ Not Met X				
Unit 142	Calibrate the applicator and record relevant data	Candidate is required to calibrate the applicator and record relevant data					
4.4		Select and record boat	May include:				
		forward speed	May include: direction of travel (upstream or downstream)				
			 suitable boat forward speed for target 				
			appropriate engine speed established				
			accurate measurement of distance				
			accurate measurement of time taken to cover				
			distance				
			correct use of formula to establish forward speed				
		Calculate required output	use of manufacturers handbook/application charts				
			correct use of formula				
		Set applicator to achieve required application rate	use of manufacturers handbook/application charts				
		Carry out check of	follow recommendations given in manufacturers				
		application rate and adjust	operator handbook				
		applicator to achieve the correct application rate	run applicator for specific period of time or distance.	_	_	_	_
		οσποσι αρριισαιίστι ταισ	distance care to avoid moving parts				
			collect product distributed (if applicable)				
			accurate weighing of output				
			compare with target rates (check product label)				
Continued			repeat until target rates achieved				
			, , ,				\perp

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	C.	AND B	IDA1	TE D
		Candidate to state four items	May include:				
Cont		of data that should be recorded for future reference	applicator settings				
Unit 142			granule used for calibrationapplication rate achieved				
4.4			spreading width				
			engine speed				
			boat forward speed				
			Met ✓ Not Met X				
Unit 440	Calculate the quantities of	Candidate to calculate the	To include:				
Unit 142	pesticide required for a specified area/volume	quantity of granules required for a specified area or volume	the correct amount required for the specified area or volume				
4.5			Met ✓ Not Met X				
	Measure the required	Candidate to measure and	To include:				屵
Unit 142	quantities and add to the applicator	add quantities required for the area/volume specified in	safe, secure mooring when transferring pesticides				
5.1	арріїсатої	4.5	 and equipment correct selection and use of PPE/RPE (as 				
			required by the product label and/or COSHH/Risk				
			Assessment) • suitable site selected				
			suitable site selected fill by usual on-site method, following approved				
			procedures				
			accurate measurement of pesticide				
			correct filling procedure avoidance of spillage				
			, ,				
	Demonstrate safe and	Candidate to describe two	Met ✓ Not Met X May include:	Ш	Ш	Ш	닏
Unit 142	accurate application	possible methods of marking	marker poles				
5.2	procedures	out the site to achieve accurate application	blob markers				
5.2		accurate application	buoys				
			• GPS				
		Candidate to explain the	Explanation to include:				
		appropriate procedure to follow when the applicator	mark the spot at which the applicator emptied				
		needs refilling part way	refill applicator				
		through an application	continue applying by accurately matching at the appropriate point				
		Treat a specified area	To include:				
		appropriate to the candidates	ensure applicator is level				
		normal work situation and sufficient to demonstrate safe	applicator set at the correct height				
		and accurate application	operate controls to start and finish applying accurately at beginning and end of each bout				
		procedures	maintain correct boat forward speed				
			accurate matching of bouts				
			awareness of techniques to counteract wholeneed applicator performance				
			unbalanced applicator performancecoping with obstacles				
			correct application rate				
			check uniformity of spread				
			all areas treated, minimising overlaps or misses awareness of changes in wind speed and				
			awareness of changes in wind speed and direction				
			Met ✓ Not Met X				
	Carry out all activities	Note to the Assessor:	To include:				
Unit 142	protecting human health and the environment	Assessor to be satisfied that the candidate has carried out	prevention of personal injury and contamination				
5.3	and the environment	all activities protecting	through correct selection and use of PPE/RPE (as required by the product information, COSHH/Risk				
		human health and the environment	Assessment)				
			 prevention of public/bystander contamination safe filling procedure 				
			 safe filling procedure avoidance of off target application/contamination 				
			avoidance of over dosing/under dosing				
			target/plant material				
			minimising the impact on the aquatic environment				
			Met ✓ Not Met X	Ш	Ш	Ш	\square

CRITERIA	ASSESSMENT	ASSESSOR	ASSESSMENT	С	AND	IDA	TE
NUMBER	CRITERIA	GUIDANCE	ACTIVITIES	Α	В	С	D
Unit 142	Complete a treatment record	Candidate is required to complete a treatment record	Completion of the treatment record must be:				
OIII 142	record	complete a treatment record	• accurate				
5.4		Note to the Assessor: The	legible (if handwritten)				
		treatment record must be approved by the Assessor (or	Met ✓ Not Met X	Ш	Ш	Ш	Ш
		supplied by the Assessor if					
		necessary)					
	Explain how to manage	Candidate to state three	May include:				1
Unit 142	surplus pesticide and waste material	factors to consider when recovering surplus granules	avoid personal contamination				
6.1	waste material	from the applicator	select appropriate PPE/RPE				
-			 ensure that the applicator is made safe (engine stopped, power isolated) 				
			select appropriate site				
			appropriate container used				
			correct product information attached				1 -
		Candidate to state one	May include:				
		method of storing surplus granules	return to temporary mobile store				
		grandios	return to fixed storage facility				L
		Condidate to state two	May include:				
		Candidate to state two methods of dealing with	packaging thoroughly emptied				
		waste packaging	placed in secure storage until disposal				
			collection via a licensed waste disposal				
			contractor				
			Met ✓ Not Met X				
	Explain how to clean and	Candidate to explain four	May include:				
Unit 142	decontaminate the applicator and the boat	factors that need to be considered when cleaning	danger of personal contamination				
6.2	applicator and the boat	and decontaminating the	select appropriate PPE				
V. <u>–</u>		applicator and the boat	select an appropriate containment site				
			appropriate containers for contaminated material				
			follow manufacturers cleaning procedure				
			 ensure that the applicator is made safe (engine stopped, power isolated) 				
			suitable containment/disposal of granules or				
			contaminated arisings from cleaning operation				
			appropriate bio-security measures implemented				
			when the applicator should be cleaned, ensure covers when under repair				
			'				L
			Met ✓ Not Met X	Ш	Ш	Ш	
11-2-2-440	Describe the storage	Candidate to describe three	May include:				
Unit 142	requirements for the applicator	factors to consider prior to storing the applicator	refer to manufacturers handbook				
6.3	applicator	storing the applicator	ensure applicator is clean and decontaminated				
-			inspect for wear and damage				
			replace any worn or damaged parts				
			carry out lubrication procedures store under cover and out of direct cuplight.				
			store under cover and out of direct sunlight store in a secure area				
				Ľ	Ľ		
			Met ✓ Not Met X	Ш		Ш	

Unit 143 - Operating Boat Mounted Applicators for Applying Piscicides to Water (PA5P)

Candidate	A Name:		Date:		Start Time:	Dura	ation	1:				
Candidate	B Name:		Date:		Start Time:	Dura	ation	1:				
Candidate	C Name:		Date:		Start Time:	Dura	ation	1:				
Candidate	D Name:		Date:		Start Time:	Dura	ration:					
CRITERIA	ASSESSMENT	ASSESSOR			SSESSMENT			AND				
Unit 143	CRITERIA Describe the legal requirements relating to applying piscicides using boat mounted applicators	GUIDANCE Define the term "to or near water". Candidate to state three examples		y include: any areas, whicl streams, rivers,	n include drainage channels ponds, lakes, reservoirs, car and the banks or areas acent		A	В	С	D		
		Candidate to describe tw legal requirements relating operating boat mounted applicators		complies with le comply with The (Sustainable Us the operator mu	ds are in place and equipme gal requirements Plant Protection Products e) Regulations 2012 st hold the appropriate he equipment they are using							
		Candidate to describe tw legal requirements relating applying piscicides using b mounted applicators	g to •		cide has aquatic approval ntal agency approval Met√ Not	Met X						
Unit 143 1.2	Describe how to apply piscicides safely using boat mounted applicators following industry best practice	Describe three operator safety requirements in term of using boat mounted applicators		availability of life personal flotation be aware of any	vant codes of practice ring/rescue devices							
		State two factors which m affect the speed of the box	,	y include: wind speed water flow weed obstruction	n Met ✔ Not l	Met X						
Unit 143 2.1	Identify risks to the aquatic environment	Candidate to identify all relevant environmental factors for the application s	•	y include: wildlife housing public access water courses boreholes livestock drinking recreational use water extraction de-oxygenation other risks speci	points of water fic to the site]					
					Met ✓ Not	Met X			Ш	Ш		

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	C/	AND B	IDA1	ΓE D
11-21-440	Explain how to minimise	Candidate to explain how to	May include:				
Unit 143	risks to the environment	minimise the risks identified in 2.1	work in an upstream direction (if applicable)				
2.2			treat the permitted area only				
			check weather suitability before treatment check downstream uses before treatment				
			inform neighbours/downstream users before				
			application				
			use an appropriate piscicide (minimal environmental impact)				
			careful timing of treatment				
			check and maintain application rate				
			exclude livestock				
			erect warning signs				
		Candidate to check and comment on wind speed and	To include:				
		direction	use of anemometer or visible signs at suitable height				
			wind direction				
			Met ✓ Not Met X				
11 1/ 440	Read product information	The candidate is required to	May include the following:				
Unit 143	Interpret product	read and interpret the information on a product label	product name				
3.1	information	and provide relevant	active substance(s) (ingredient(s))				
		information as requested by the Assessor	Important information:				
3.2			field of use (aquatic)				
		Note to the Assessor: A product label is required. It is	• target				
		expected that the candidate	maximum individual dose				
		will provide the product label. The label provided must be	maximum total dose maximum number of treatments				
		for a currently approved	Thanham hamber of treatments				
		product and appropriate to the candidates normal work	specific product precautions/warnings				
		situation	operator protection				
		Note to the Candidate	environmental protection restrictions on use				
		(Assessor also to note): It is	restrictions on use				
		acceptable for key information on the label to be	Crop specific information:			_	
		highlighted for use during the	• target				
		assessment	dose rate water volume				
			water volume timing				
			Mixing and spraying: • filling				
			filling recommended pressure				
			Teconimended pressure				
			additional label information				
			Met ✓ Not Met X				
Unit 143	Identify applicator components and controls	Candidate to identify all components and controls	May include: tank				
		relating to the applicator	• filters				
4.1		being used for the assessment	• pump				
			pressure gauge				
			filling control and devices				
			agitation control				
			pressure or volume regulator/pressure relief valve op/off control				
			on/off control boom isolators				
			tank wash system				
			valve positions				
			boom pressure compensation				
			distribution outlet				
			other items specific to the applicator				
			Met ✓ Not Met X				

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	C A	AND B	IDAT	TE D
Unit 143	Carry out pre use checks to the boat	Candidate to carry out all pre-use checks relevant to	May include:				
	to the boat	the boat being used for the	suitable for the situationaccessibility of boat controls				
4.2		assessment	accessibility of applicator controls				
			even loading				
			outboard motor				
			applicator power source				
			presence of personal flotation device				
			 no equipment on operator's back when operating from the boat 				
			Met ✓ Not Met X				
Unit 143 4.3	Carry out pre-use and operational checks to the applicator	Candidate to carry out all pre-use and operational checks to the applicator/applicator					
		Check security of attachment	May include:				
		of applicator mechanisms	• fasteners tight				
			straps inspected and adjusted if necessary				
		Check for mechanical defects	seized, worn or damaged controls/components atomiser drives/electrical connectors				
		Check that the applicator is	identification of lubrication points				
		lubricated correctly	visual inspection of lubrication points				
			visual inspection of levels				
		Check boom settings,	boom suspension operational				
		suspension and break-back	break-back efficiency				
		devices	height adjustment				
		Remove, clean and refit a					
		filter	Candidate to:				
			contain spillage				
			check for defects, replace if damaged				
			refit				
		Explain how to use the	May include:				
		control panel to ensure that	functions of control panel				
		the applicator is functioning correctly (if applicable)	recognition of malfunctions before and during		_	l _	l _
			operationcheck accuracy of base settings				
			switch to manual/test mode where applicable				
		Part fill applicator	To include: • suitable site selected				
			safe secure mooring when transferring piscicides				
			fill by usual on-site method, following approved				
			procedures				
		Check applicator for leaks	clean water supply				
			May include:				
			use higher than normal operating pressure				
			lids and seals pipe work and connections				
			pipe work and connectionscontrol valves				
			• filters				
		Otata ana substitut di di	pressure gauge				
		State one suitable action in the event of the control panel	May include:				
		failing	stop piscicide application				
			manual operation of controls if possible				
			Met ✓ Not Met X				
			MIGE, MOLIMELY				<u>ш</u>

ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	C.	AND B	IDA1	E D
Calibrate the applicator and record relevant data	Candidate is required to calibrate the applicator and	Calibration may include the following:				
		direction of travel (upstream or downstream)	П	П	П	
	forward speed	suitable boat forward speed for target				
		appropriate engine speed established				
		accurate measurement of distance				
		accurate measurement of time taken to cover				
		correct use of formula to establish forward speed				
	Calculate required output/volume rate	correct use of formula				
	Set operating pressure	pressure as determined by manufacturers literature				
		·				
	outputs					
				Ш	Ш	
	State four pieces of	1 7	l	_	_	_
	be recorded					
		application volume				
		pressure				
		flow rate				
		Met ✓ Not Met X				
Calculate the quantities of	Candidate to calculate	To include:				
required for a specified	quantities required for both a specified area and full tank	 amount of water required for specified area/volume 				
area		amount of piscicide required for specified area/volume			П	
		amount of piscicide required for full tank				
		Met ✓ Not Met X	Ш	Ш	Ш	Ш
Measure the required quantities and add to the applicator	Candidate to measure and add quantities required for the area specified in 4.5	To include: safe, secure mooring when transferring piscicides and equipment			П	
		correct selection and use of PPE/RPE (as required by the product label and/or COSHH/Risk				
		Assessment) suitable site selected				
		fill by usual on-site method, following approved				
		·				
		·				
		use of filling device if fitted				
		avoidance of spillage				
		observance of piscicide manufacturer's instructions for mixing and agitation				
		Met ✓ Not Met X				
Demonstrate safe and	Candidate to describe two					
accurate application	possible methods of marking	Met ✓ Not Met X				
	possible methods of marking out the site to achieve	Met ✓ Not Met X May include:				
accurate application	possible methods of marking	Met ✓ Not Met X May include: • marker poles • blob markers • buoys				
accurate application	possible methods of marking out the site to achieve	Met ✓ Not Met X May include: • marker poles • blob markers				
accurate application	possible methods of marking out the site to achieve accurate application Candidate to explain the	Met ✓ Not Met X May include: • marker poles • blob markers • buoys				
accurate application	possible methods of marking out the site to achieve accurate application Candidate to explain the appropriate procedure to	Met ✓ Not Met X May include: • marker poles • blob markers • buoys • GPS Explanation to include: • mark the spot at which the applicator emptied				
accurate application	possible methods of marking out the site to achieve accurate application Candidate to explain the	Met ✓ Not Met X May include: • marker poles • blob markers • buoys • GPS Explanation to include:				
	Calculate the quantities of piscicide and water required for a specified area Measure the required quantities and add to the	Calculate the quantities of piscicide and water required for a specified area Calculate the quantities of piscicide and water required for a specified area Measure the required quantities and add to the Calculate to measure and add quantities required for a specified area Candidate is required to calculate record relevant data Select and record boat forward speed Calculate required output/volume rate Set operating pressure Check distribution outlet outputs State four pieces of calibration data that should be recorded Candidate to calculate quantities required for both a specified area and full tank Candidate to measure and add quantities required for Candidate to measure and add quantities required for add quantities add quantities required for add quantities add quan	Calibrate the applicator and record relevant data septicator and record relevant data septicator and record relevant data select and record boat forward speed of the calibrate the applicator and record toward speed of the calibrate the applicator and speed of the calibrate the calibrate of the calibrate o	Calibrate the applicator and record relevant data septimate the applicator and record relevant data select and record boat forward speed Calculate the applicator and select and record boat forward speed appropriate engine speed stablished accurate measurement of distance accurate measurement of measure and add quantities and add to the application accurate measurement of state accurate measurement of water accurate measurement of water accurate measurement of psicicide acc	Calibrate the applicator and record relevant data Calibrate the applicator and record relevant data Select and record beast forward speed of calibrate the applicator and second relevant data Select and record beast forward speed of calibrate the applicator and second relevant data Select and record beast forward speed of target appropriate engine speed established accurate measurement of direct distance correct use of formula to establish forward speed of carget correct use of formula to establish forward speed of carget correct use of formula to establish forward speed of target accurate measurement of time taken to cover distance correct use of formula to establish forward speed of target correct use of formula to establish forward speed of target correct use of formula to establish forward speed of target correct use of formula correct use of formula	Calibrate the applicator and record relevant data select and record relevant data select and record boat forward speed Calibrate the applicator and a select and record boat forward speed or target appropriate engine speed established accurate measurement of time taken to cover distance accurate measurement of direction of travel (upstream or downstream)

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	C A	AND B	IDAT	TE D
Cont Unit 143		Treat a specified area appropriate to the candidates normal work situation and sufficient to demonstrate safe	To include:				
5.2		and accurate application procedures	 correct forward speed and pressure for site conditions accurate matching of bouts/use of marking aids coping with obstacles 				
			 all of specified area treated awareness of changes in wind speed and direction 				
			Met ✓ Not Met X				
Unit 143 5.3	Carry out all activities protecting human health and the environment	Note to the Assessor: Assessor to be satisfied that the candidate has carried out all activities protecting human health and the environment	To include: prevention of personal injury and contamination through correct selection and use of PPE (as required by the product information, COSHH/Risk Assessment) provention of public/bustender contamination.				
			 prevention of public/bystander contamination safe filling procedure 				
			avoidance of off target application/contamination				
			 avoidance of over dosing/under dosing target minimising the impact on the aquatic environment 				
			Met ✓ Not Met X				
	Complete a treatment	Candidate is required to	Completion of the treatment record must be:				
Unit 143	record	complete a treatment record	accurate legible (if handwritten)				
5.4		Note to the Assessor: The treatment record must be approved by the Assessor (or supplied by the Assessor if necessary)	Met ✓ Not Met X				
Unit 143 6.1	Explain how to manage surplus piscicide and waste material	Candidate to explain one method of dealing with surplus concentrate piscicide	May include: return to temporary mobile store return to fixed store				
		Candidate to explain two methods of dealing with waste containers or packaging	containers: triple rinsed 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 a licensed waste disposal contractor				
		Candidate to explain one method of dealing with surplus dilute piscicide	May include:				
			Met ✓ Not Met X				
Unit 143	Explain how to clean and decontaminate the applicator and the boat	Candidate to explain four factors need to be considered when cleaning and	May include: • select and use appropriate PPE				
6.2		decontaminating the applicator and the boat	appropriate site thorough washing with water and suitable cleaning agent (if recommended/required) internal and external surfaces				
			use of in-built wash systems if provided care to ensure contamination 'hot-spots' are clean				
			 thorough flushing of systems appropriate bio-security measures implemented safe disposal of contaminated washings 				
			when cleaning should take placesafe procedures followed				
			Met ✓ Not Met X				
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CRITERIA	ASSESSMENT	ASSESSOR	ASSESSMENT	C	AND	IDA'	TE
NUMBER	CRITERIA	GUIDANCE	ACTIVITIES	Α	В	С	D
	Describe the storage	Candidate to describe three	May include:				
Unit 143	requirements for the	factors to consider prior to	ensure the applicator is clean and dry				
6.2	applicator	storing the applicator	inspect for wear and damage				
6.3			replace any worn or damaged parts				
			controls left in appropriate positions				
			frost protection measures implemented				
			lubricate as required				
			store undercover and out of direct sunlight				
			store in a secure area				
			Met ✓ Not Met X				

Summary of Asses	ssment (The Asses	sor is to complete	the following as	annronriate

	Candidate has met all of the assessment criteria	Tick ✓	The Candidate has not met all of the assessment criteria; (state reason(s))	Tick ✓
∢			7-00-01/(5))	
date				
Candidate				
Ö				
	Signed:	ate:		
	Candidate has met all of the assessment criteria	Tick	The Candidate has not met all of the assessment criteria; (state	Tick
В		✓	reason(s))	✓
Candidate				
Car				
	Signed: D	ate:		
	Candidate has met all of the assessment criteria	Tick	The Candidate has not met all of the assessment criteria; (state	Tick
	Candidate has met all of the assessment enterla	√	reason(s))	√
e C				
Candidate				
Can				
	Signed: D	ate:		
		Tick	The Candidate has not met all of the assessment criteria: (state	Tick
	Candidate has met all of the assessment criteria	Tick	The Candidate has not met all of the assessment criteria; (state reason(s))	Tick
ie D			The Candidate has not met all of the assessment criteria; (state reason(s))	
		✓	The Candidate has not met all of the assessment criteria; (state reason(s))	
Candidate D		✓	The Candidate has not met all of the assessment criteria; (state reason(s))	
	Candidate has met all of the assessment criteria	✓	The Candidate has not met all of the assessment criteria; (state reason(s))	
		✓	The Candidate has not met all of the assessment criteria; (state reason(s))	
Candidate	Candidate has met all of the assessment criteria Signed: use by Internal Verifier ONLY if the assessment process was in	Date:	reason(s))	
Candidate	Candidate has met all of the assessment criteria Signed:	Date:	reason(s))	
Candidate (Internal	Candidate has met all of the assessment criteria Signed: use by Internal Verifier ONLY if the assessment process was internal Verifier to complete ONE of the boxes below)	Date:	verified	· -
Candidate (Internal	Candidate has met all of the assessment criteria Signed: use by Internal Verifier ONLY if the assessment process was internal Verifier to complete ONE of the boxes below)	Date:	reason(s))	
Candidate (Internal	Candidate has met all of the assessment criteria Signed: use by Internal Verifier ONLY if the assessment process was internal Verifier to complete ONE of the boxes below)	Date:	verified	Tick
For (Internal of the Landidate	Candidate has met all of the assessment criteria Signed: use by Internal Verifier ONLY if the assessment process was internal Verifier to complete ONE of the boxes below)	Date:	verified sessment was conducted in line with the qualification requirements.	Tick
For (Internal of the Landidate	Candidate has met all of the assessment criteria Signed: use by Internal Verifier ONLY if the assessment process was internal Verifier to complete ONE of the boxes below) served an assessment process taking place and I am satisfied that	Date:	verified sessment was conducted in line with the qualification requirements.	Tick
For (Internal of the Landidate	Candidate has met all of the assessment criteria Signed: use by Internal Verifier ONLY if the assessment process was internal Verifier to complete ONE of the boxes below) served an assessment process taking place and I am satisfied that	Date:	verified sessment was conducted in line with the qualification requirements.	Tick
For (Internal of the Landidate	Candidate has met all of the assessment criteria Signed: use by Internal Verifier ONLY if the assessment process was internal Verifier to complete ONE of the boxes below) served an assessment process taking place and I am satisfied that	Date:	verified sessment was conducted in line with the qualification requirements.	Tick
For (Internal of the Landidate	Candidate has met all of the assessment criteria Signed: use by Internal Verifier ONLY if the assessment process was internal Verifier to complete ONE of the boxes below) served an assessment process taking place and I am satisfied that	Date:	verified sessment was conducted in line with the qualification requirements.	Tick