

CITY & GUILDS LEVEL 2 AWARD IN THE SAFE APPLICATION OF PESTICIDES USING SPECIALIST EQUIPMENT (PASC) 601/5153/5



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 - 6 2	L2 Award in the Safe Use of Pesticides Using Specialist Equipment (PASC)
Unit(s)	2 3 1	Operating Automated Equipment for Applying Pesticides (D/505/7793)
	2 3 2	Operation of Mounted, Trailed or Self Propelled Electrostatic Charged Sprayers for applying Pesticides to Crops (A/505/7803)
	2 3 3	Operation of Pesticide Applicators attached to Cultivating or Planting Equipment (F/505/7804)
	2 3 4	Operation of a Sprayer Mounted on a Train fitted with Hydraulic Nozzles for Applying Pesticides (K/505/7814)
	2 3 5	Operation of a Bankside Sprayer Mounted on a Train fitted with Hydraulic Nozzles for applying Pesticides (L/505/7837)
	2 3 6	Operating Other Specialist Equipment for Applying Pesticides (R/505/7838)
Guided Learning Hours (GLH)	2 3 1	GLH 28 (Credit Value 3)
	2 3 2	GLH 28 (Credit Value 3)
	2 3 3	GLH 28 (Credit Value 3)
	2 3 4	GLH 28 (Credit Value 3)
	2 3 5	GLH 28 (Credit Value 3)
	2 3 6	GLH 28 (Credit Value 3)
Total Qualification Time (TQT)		60 Hours

**Recommended
Assessment
Duration**

1.5 – 3 hours per Candidate

**Pre-Requisite
Units**

1	0	1
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Principles of Safe Handling and Application
of Pesticides (PA1)

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

City & Guilds Level 2 Award in the Safe Use of Pesticides Using Specialist Equipment (PASC) 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 **six** optional units:

Unit 231	(Optional)	(Credit Value 3)	(Print pages 7 – 11 plus 42)
Outcome 1.	Know the legislative and safety regulations relating to application equipment (Criteria 1.1 – 1.2)		
Outcome 2.	Be able to assess the environmental factors relating to mixing and application (Criteria 2.1 – 2.2)		
Outcome 3.	Be able to read and interpret product information (Criteria 3.1 – 3.2)		
Outcome 4.	Be able to prepare and calibrate the automated/robotic equipment (Criteria 4.1 – 4.7)		
Outcome 5.	Be able to operate the application equipment (Criteria 5.1 – 5.4)		
Outcome 6.	Know how to carry out post-operational procedures (Criteria 6.1 – 6.3)		
Unit 232	(Optional)	(Credit Value 3)	(Print pages 12 – 18 plus 42)
Outcome 1.	Know the legislative and safety regulations relating to application equipment (Criteria 1.1 – 1.2)		
Outcome 2.	Be able to assess the environmental factors relating to mixing and application (Criteria 2.1 – 2.2)		
Outcome 3.	Be able to read and interpret product information (Criteria 3.1 – 3.2)		
Outcome 4.	Be able to prepare and calibrate the applicator (Criteria 4.1 – 4.5)		
Outcome 5.	Be able to operate the application equipment (Criteria 5.1 – 5.4)		
Outcome 6.	Know how to carry out post-operational procedures (Criteria 6.1 – 6.3)		
Unit 233	(Optional)	(Credit Value 3)	(Print pages 19 – 24 plus 42)
Outcome 1.	Know the legislative and safety regulations relating to application equipment (Criteria 1.1 – 1.2)		
Outcome 2.	Be able to assess the environmental factors relating to the filling & application site (Criteria 2.1 – 2.2)		
Outcome 3.	Be able to read and interpret product information (Criteria 3.1 – 3.2)		
Outcome 4.	Be able to prepare and calibrate the applicator(s) (Criteria 4.1 – 4.4)		
Outcome 5.	Be able to operate the applicator(s) (Criteria 5.1 – 5.4)		
Outcome 6.	Know how to carry out post-operational procedures (Criteria 6.1 – 6.3)		
Unit 234	(Optional)	(Credit Value 3)	(Print pages 25 – 30 plus 42)
Outcome 1.	Know the legislative and safety regulations relating to application equipment (Criteria 1.1 – 1.2)		
Outcome 2.	Be able to assess the environmental factors relating to filling, mixing and application (Criteria 2.1 – 2.2)		
Outcome 3.	Be able to read and interpret product information (Criteria 3.1 – 3.2)		
Outcome 4.	Be able to prepare and calibrate the applicator (Criteria 4.1 – 4.4)		
Outcome 5.	Be able to operate the application equipment (Criteria 5.1 – 5.4)		
Outcome 6.	Know how to carry out post-operational procedures (Criteria 6.1 – 6.3)		

Unit 235	(Optional)	(Credit Value 3)	(Print pages 31 – 36 plus 42)
Outcome 1.	Know the legislative and safety regulations relating to application equipment (Criteria 1.1 – 1.2)		
Outcome 2.	Be able to assess the environmental factors relating to filling, mixing and application (Criteria 2.1 – 2.2)		
Outcome 3.	Be able to read and interpret product information (Criteria 3.1 – 3.2)		
Outcome 4.	Be able to prepare and calibrate the applicator (Criteria 4.1 – 4.4)		
Outcome 5.	Be able to operate the application equipment (Criteria 5.1 – 5.4)		
Outcome 6.	Know how to carry out post-operational procedures (Criteria 6.1 – 6.3)		
Unit 236	(Optional)	(Credit Value 3)	(Print pages 37 – 42)
Outcome 1.	Know the legislative and safety regulations relating to application equipment (Criteria 1.1 – 1.2)		
Outcome 2.	Be able to assess the environmental factors relating to filling, mixing and application (Criteria 2.1 – 2.2)		
Outcome 3.	Be able to read and interpret product information (Criteria 3.1 – 3.2)		
Outcome 4.	Be able to prepare and calibrate the applicator (Criteria 4.1 – 4.7)		
Outcome 5.	Be able to operate the application equipment (Criteria 5.1 – 5.4)		
Outcome 6.	Know how to carry out post-operational procedures (Criteria 6.1 – 6.3)		

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

There are no endorsements for this Award.

Quality Assurance

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

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

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

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

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

Performance Evaluation

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

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

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

Appeals and Equal Opportunities

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

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

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

Validation of Equipment

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

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

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

Summary of responsibilities in the assessment process

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

Safe Practice

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

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

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

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

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

Information

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

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

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

Assessment Guidance for the Assessor

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

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

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

Assessment Guidance for the Candidate

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

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

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

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

The Qualification Guidance contains criteria relating to:

- Observation of practical performance
- Assessment of underpinning knowledge

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

Unit 1 – Operating Automated Equipment for Applying Pesticides

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

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 231 1.1	Describe the legal requirements relating to applying pesticides using automated or robotic equipment	Candidate to describe two operator's obligations in terms of legal requirements	May include: <ul style="list-style-type: none"> all required guards are in place and equipment complies with legal requirements comply with The Plant Protection Products (Sustainable Use) Regulations 2012 the operator must hold the appropriate certification for the equipment they are using Met ✓ Not Met X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 231 1.2	Describe how to apply pesticides safely using automated or robotic equipment following industry best practice	Candidate to describe one operator safety regulation in terms of using automated or robotic equipment	May include: <ul style="list-style-type: none"> comply with Pesticide Codes of Practice adopt industry best practice be aware of any safety implications imposed by COSHH/Risk Assessment and comply with the requirements Met ✓ Not Met X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 231 2.1	Identify risks to the environment	Candidate to identify all relevant risks to the environment for the application site	May include: <ul style="list-style-type: none"> ground conditions water courses drains boreholes wildlife non-target plants sensitive crops/areas hedgerows housing public access other risks particular to the site Met ✓ Not Met X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 231 2.2	Explain how to minimise risks to the environment	Candidate to explain how to minimise the risks identified in 2.1	Explanation may include the following points: <ul style="list-style-type: none"> check and maintain application rate avoid spray drift avoid off target application observe buffer zones comply with LERAP requirements inform neighbours erect warning signs use an appropriate pesticide (minimal environmental impact) appropriate timing of application operate within any temperature parameters 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continued		Candidate to state the reason for minimising spray drift or off target application Candidate to check and comment on wind speed and direction	<ul style="list-style-type: none"> avoidance of contamination to people and the environment use of anemometer at suitable height or visible signs wind direction 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
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Cont... Unit 231 2.2		Candidate to state five factors that may affect spray drift (if applicable)	<p>May include:</p> <ul style="list-style-type: none"> wind speed and direction nozzle type and size pressure forward speed nozzle height defective equipment suction effect of wind <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 231 3.1 Unit 231 3.2	Read product information Interpret product information	<p>The candidate is required to read and interpret the information on a product label and provide relevant information as requested by the Assessor</p> <p>Note to the Assessor: A product label is required. It is expected that the candidate will provide the product label</p> <p>The label provided must be for a currently approved product and appropriate to the candidates normal work situation</p> <p>Note to the Candidate (Assessor also to note): It is acceptable for key information on the label to be highlighted for use during the assessment</p>	<p>May include the following:</p> <ul style="list-style-type: none"> product name active substance(s) (ingredient(s)) <p>Important information:</p> <ul style="list-style-type: none"> field of use crop/target maximum individual dose maximum total dose maximum number of treatments specific product precautions/warnings operator protection environmental protection restrictions on use <p>Crop specific information:</p> <ul style="list-style-type: none"> crop/target dose rate water volume timing <p>Mixing and spraying:</p> <ul style="list-style-type: none"> filling reduced volume applications (if applicable) recommended nozzles recommended pressure spray quality additional label information compatibility <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 231 4.1	Identify the components & controls on the equipment	<p>Candidate to identify all components and controls relating to the applicator being used for the assessment</p> <p>Identify and explain the use of two types of nozzle, one of which could be that intended for use (not applicable to Rotary Atomiser sprayers)</p>	<p>May include:</p> <ul style="list-style-type: none"> tank lid filters pipe work pump pressure control nozzles pressure gauge connections seals metering devices mechanical/electrical controls programming controls <p>May include:</p> <ul style="list-style-type: none"> flat fan – fine/medium/coarse spray air inclusion – medium/coarse spray, low-drift cone – fine spray. good coverage <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
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Unit 231 4.2	Carry out pre use checks to the prime mover (if applicable)	Candidate to carry out all pre-use checks relevant to the prime mover being used for the assessment (if applicable)	May include: <ul style="list-style-type: none"> integrity of power source fluid levels fail-safe systems <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 231 4.3	Carry out pre-use checks to the application equipment	Candidate to carry out all pre-use and operational checks to the sprayer/applicator Check security of attachment of applicator mechanisms	May include: <ul style="list-style-type: none"> metering & delivery systems drive systems condition & tension of belts boom suspension/break-back devices (if applicable) security of attachment to prime mover lubrication of components checking for leaks under pressure any problems identified to be rectified if within operators level of responsibility and ability <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 231 4.4	Calibrate the application equipment and record relevant data	Candidate is required to calibrate the applicator and record relevant data Note to the Assessor: Any appropriate method of calibration may be used State two pieces of calibration data that should be recorded	May include: <ul style="list-style-type: none"> accurate measurements accurate timings accurate calculations correct use of formulae Calibration data may include: <ul style="list-style-type: none"> equipment settings used product used for calibration application rate achieved <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 231 4.5	Measure the area to be treated	Candidate to measure the area, which should be typical of the candidate's normal work. The Assessor may assist under direction of the candidate	Must include: <ul style="list-style-type: none"> accurate measurements <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 231 4.6	Calculate the area to be treated	Candidate to calculate the area to be treated	Must include: <ul style="list-style-type: none"> accurate calculations <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 231 4.7	Calculate the quantities of pesticide and water required for a specified area	Candidate to calculate quantities required for the area calculated in 4.6	May include: <ul style="list-style-type: none"> amount of water required for specified area amount of pesticide required for specified area <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 231 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 or attach pesticide container Note: This may be a simulated pesticide product	To include all of the following: <ul style="list-style-type: none"> correct selection and use of PPE/RPE (as required by the product label, COSHH/Risk Assessment) suitable site selected fill following product recommendations and approved procedures correct use of water supply accurate measurement of water accurate measurement of pesticide avoidance of spillage or <ul style="list-style-type: none"> attach pesticide container <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 231 5.2	Demonstrate safe and accurate application procedures	Candidate to apply pesticide to treat a specified area appropriate to the candidates normal work situation and sufficient to demonstrate safe and accurate application procedures	To include: <ul style="list-style-type: none"> treatment area clearly identified constant speed maintained accurate switch on/off points accurate matching of bouts obstacles dealt with correctly (if applicable) area treated minimising overlaps and misses awareness of changing climatic conditions and appropriate action taken (if applicable) <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 231 5.3	Carry out all activities protecting human health and the environment	Note to the Assessor: Assessor to be satisfied that the candidate has carried out all activities protecting human health and the environment	To include: <ul style="list-style-type: none"> prevention of personal injury and contamination through correct selection and use of PPE/RPE (as required by the product information and/or COSHH/Risk Assessment) prevention of public/bystander contamination safe filling procedure avoidance of spray drift avoidance of off target application avoidance of over/under dosing crop/target/plant material <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 231 5.4	Complete a treatment record	Candidate is required to complete a treatment record Note to the Assessor: The treatment record must be approved by the Assessor (or supplied by the Assessor if necessary)	Completion of the treatment record must be: <ul style="list-style-type: none"> accurate legible (if handwritten) <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 231 6.1	Explain how to manage surplus pesticide and dispose of waste material	Candidate to explain one method of dealing with surplus concentrate pesticide Candidate to explain two methods of dealing with waste containers or packaging Candidate to explain two methods of dealing with surplus dilute pesticides	Explanation may include: <ul style="list-style-type: none"> return to temporary mobile store return to fixed store Containers: <ul style="list-style-type: none"> triple rinsed placed in secure storage until disposal returned to supplier collected by a licensed waste disposal contractor Packaging: <ul style="list-style-type: none"> thoroughly emptied placed in secure storage until disposal collected by a licensed waste disposal contractor Explanation may include: <ul style="list-style-type: none"> back on to target as long as it is below the maximum dose rate use on another approved crop/target treated by specialist treatment facility on site (e.g. a lined bio bed) collected by a licensed waste disposal contractor <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 231 6.2	Explain how to clean and decontaminate the application equipment	Candidate to explain four factors that need to be considered when cleaning the application equipment and, if applicable, the prime mover	May include: <ul style="list-style-type: none"> select and use correct PPE/RPE selection of an appropriate site for cleaning the application equipment triple rinse the applicator following product information recommendations through flushing of system safe disposal of contaminated washings in an appropriate manner following good practice safe procedures followed <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
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Unit 231 6.3	Describe the storage requirements for the application equipment	Candidate to describe three factors to consider prior to storing the sprayer/applicator	May include: <ul style="list-style-type: none"> • de-pressurisation • ensure the application equipment is clean and dry • inspect for wear or damage • repair or notify supervisor if not within operators level of responsibility and ability • lubricate if required • frost protection measures implemented • nozzles and filters removed prior to freezing conditions • store in a secure area • isolation of any electrical controls • store under cover and out of direct sunlight <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Unit 232 – Operation of Mounted, Trailed or Self Propelled Electrostatic Charged Sprayers for applying Pesticides to Crops

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

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 232 1.1	Describe the legal requirements relating to applying pesticides using electrostatic equipment	Candidate to describe two operator's obligations in terms of legal requirements	<p>May include:</p> <ul style="list-style-type: none"> all required guards are in place and equipment complies with legal requirements comply with all relevant road traffic regulations when operating or transporting on the public highway comply with The Plant Protection Products (Sustainable Use) Regulations 2012 the operator must hold the appropriate certification for the equipment they are using <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 232 1.2	Describe how to apply pesticides safely using electrostatic equipment following industry best practice	<p>Candidate to describe one operator safety regulation in terms of using electrostatic equipment</p> <p>Candidate to describe two precautions operators may take to protect self from pesticide contamination when operating the prime mover</p> <p>When preparing the prime mover and electrostatic sprayer, the candidate is to describe three checks which the operator may carry out to protect self from physical danger during operation</p> <p>Candidate to state four aspects of safe practice to be considered when driving on uneven/sloping terrain</p>	<p>May include:</p> <ul style="list-style-type: none"> comply with Pesticide Codes of Practice adopt industry best practice be aware of any safety implications imposed by COSHH/Risk Assessment and comply with the requirements awareness of possible electro-hazards <p>Sealed cab:</p> <ul style="list-style-type: none"> fit carbon filter use of in-cab controls ensure ventilation system is functional close all windows contaminated PPE stored in external locker awareness of the siting of pressurised components within confines of cab <p>Open cab/canopy/platform:</p> <ul style="list-style-type: none"> use of appropriate PPE awareness of the siting of pressurised components within confines of cab/canopy/platform <p>May include:</p> <ul style="list-style-type: none"> compatibility of prime mover and sprayer front weights wheel track width correct tyre pressures condition of tyres brake function circuit integrity <p>May include:</p> <ul style="list-style-type: none"> assess conditions select four wheel drive (if fitted) appropriate speed correct gear selection effect of changing load on stability use of weights to stabilise prime mover correct turning procedure <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 232 2.1	Identify risks to the environment	Candidate to identify all relevant risks to the environment for the application site	<p>May include:</p> <ul style="list-style-type: none"> ground conditions water courses environmental margins/strips/areas drains boreholes wildlife non-target plants sensitive crops/areas hedgerows housing public access other risks particular to the site <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 232 2.2	Explain how to minimise risks to the environment	<p>Candidate to explain how to minimise the risks identified in 2.1</p> <p>Candidate to state the reason for minimising off target application and spray drift</p> <p>Candidate to check and comment on wind speed and direction</p> <p>Candidate to state five factors that may affect spray drift</p>	<p>May include the following:</p> <ul style="list-style-type: none"> use of an appropriate pesticide careful timing of application check and maintain application rate avoid spray drift observe buffer zones erect warning signs notify neighbours before application avoidance of contamination to people and the environment use of anemometer at suitable height or visible signs wind direction <p>May include:</p> <ul style="list-style-type: none"> wind speed and direction nozzle type and size pressure forward speed nozzle height defective equipment <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 232 3.1 Unit 232 3.2 Continued	Read product information Interpret product information	<p>The candidate is required to read and interpret the information on a product label and provide relevant information as requested by the Assessor</p> <p>Note to the Assessor: A product label is required. It is expected that the candidate will provide the product label</p> <p>The label provided must be for a currently approved product and appropriate to the candidates normal work situation</p> <p>Note to the Candidate (Assessor also to note): It is acceptable for key information on the label to be highlighted for use during the assessment</p>	<p>May include the following:</p> <ul style="list-style-type: none"> product name active substance(s) (ingredient(s)) suitability for electrostatic applications <p>Important information:</p> <ul style="list-style-type: none"> field of use crop/target maximum individual dose maximum total dose maximum number of treatments specific product precautions/warnings operator protection environmental protection restrictions on use <p>Crop specific information:</p> <ul style="list-style-type: none"> crop/target dose rate water volume timing 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Cont... Unit 232 3.1 3.2			Mixing and spraying: <ul style="list-style-type: none"> filling reduced volume applications (if applicable) recommended nozzles recommended pressure spray quality additional label information compatibility <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 232 4.1	Identify sprayer components and controls	Candidate to identify all components & controls relevant to the equipment being used Identify and explain the use of two types of nozzle, one of which could be that intended for use (not applicable to Rotary Atomiser sprayers)	May include: <ul style="list-style-type: none"> main spray tank pump pulsation damper filling control and devices agitation control pressure adjustment control pressure gauge on/off control boom isolators boom section pressure compensation controls filters tank wash system clean water tank(s) nozzles/atomisers diaphragm check valves tank drain earthing system other components/controls specific to the applicator May include: <ul style="list-style-type: none"> flat fan – fine/medium/coarse spray air inclusion – medium/coarse spray, low-drift cone – fine spray. good coverage <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 232 4.2	Carry out pre use checks to the prime mover	Candidate to carry out all pre-use checks relevant to the prime mover being used for the assessment	May include: <ul style="list-style-type: none"> guards in place and in good condition visual inspection of the wheels and tyres tyre pressures fuel level adequate engine oil level is within acceptable limits hydraulic oil level is within acceptable limits (if accessible) transmission oil level is within acceptable limits (if accessible) coolant level is adequate engine air filter is clean <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 232 4.3 Continued	Carry out pre-use and operational checks to the sprayer	Candidate to carry out all pre-use and operational checks to the sprayer Check for mechanical & electrical defects Check the sprayer is lubricated correctly Check security of attachment of sprayer	May include all/some of the following as applicable to the sprayer: <ul style="list-style-type: none"> seized, worn or damaged controls/components integrity of electrostatic circuitry identification of lubrication points visual inspection of lubrication points visual inspection of oil levels fasteners tight straps inspected and adjusted if necessary linkage secure sideways movement restricted drawbar pin secured 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Cont... Unit 232 4.4		<p>Check nozzle outputs</p> <p>Candidate to record relevant calibration data</p>	<ul style="list-style-type: none"> electrostatic system disabled use measuring jug to check output from at least one nozzle per boom section compare with target output vary pressure to make small adjustments change nozzles if required <p>Calibration data may include:</p> <ul style="list-style-type: none"> registration number of vehicle tyre size & pressure gear selected engine speed forward speed application volume nozzle fitted operation pressure flow rate <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 232 4.5	Calculate the quantities of pesticide and water required for a specified operation	Candidate to calculate quantities required for both a specified area and full tank	<p>May include:</p> <ul style="list-style-type: none"> amount of water required for specified area amount of pesticide required for specified area amount of pesticide required for full tank <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 232 5.1	Measure the required quantities and add to sprayer	<p>Candidate to measure and add quantities required for the area specified in 4.5</p> <p>Note: This may be a simulated pesticide product</p>	<p>To include all of the following:</p> <ul style="list-style-type: none"> correct selection and use of PPE/RPE (as required by the product label, COSHH/Risk Assessment) suitable site selected fill following product recommendations and approved procedures correct use of water supply accurate measurement of water accurate measurement of pesticide avoidance of spillage observance of pesticide manufacturer's instructions for mixing & agitation <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 232 5.2	Demonstrate safe and accurate application procedures	<p>Candidate to describe two possible methods to achieve accurate application</p> <p>Candidate to explain the appropriate procedure to follow when the applicator needs refilling part way through an application</p> <p>Candidate to explain the appropriate procedure to follow when a nozzle/restrictor becomes blocked during an application</p>	<p>May include any of the following:</p> <ul style="list-style-type: none"> tramlines crop rows blob markers marker poles use of GPS <p>Explanation to include:</p> <ul style="list-style-type: none"> avoid contact with contaminated crop mark the spot at which the sprayer emptied refill sprayer continue spraying by accurately matching at the appropriate point <p>Explanation to include:</p> <ul style="list-style-type: none"> select and use appropriate PPE/RPE care not to walk in contaminated crop clean or replace nozzle as appropriate 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continued				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Cont... Unit 232 5.2		Candidate to apply pesticide to treat a specified area appropriate to the candidate's normal work situation and sufficient to demonstrate safe and accurate application procedures	To include: <ul style="list-style-type: none"> ensure boom is level or aligned to the target correct boom height according to the target and type of nozzle treatment area clearly identified constant speed maintained accurate switch 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) <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 232 5.3	Carry out all activities protecting human health and the environment	Note to the Assessor: The Assessor to be satisfied that the candidate has carried out all activities protecting human health and that of the environment	To include: <ul style="list-style-type: none"> prevention of personal injury and contamination through correct selection and use of PPE/RPE (as required by the product information and/or COSHH/Risk Assessment) prevention of public/bystander contamination safe filling procedure avoidance of spray drift avoidance of off target application avoidance of over/under dosing crop/target <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 232 5.4	Complete a treatment record	Candidate is required to complete a treatment record Note to the Assessor: The treatment record must be approved by the Assessor (or supplied by the Assessor if necessary)	Completion of the treatment record must be: <ul style="list-style-type: none"> accurate legible (if handwritten) <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 232 6.1	Explain how to manage surplus pesticide and dispose of waste material	Candidate to explain one method of dealing with surplus concentrate pesticide Candidate to explain two methods of dealing with waste containers or packaging Candidate to explain two methods of dealing with surplus dilute pesticide	Explanation may include: <ul style="list-style-type: none"> return to temporary mobile store return to fixed store Containers: <ul style="list-style-type: none"> triple rinsed (if applicable) placed in secure storage until disposal returned to supplier collected by a licensed waste disposal contractor Packaging: <ul style="list-style-type: none"> thoroughly emptied placed in secure storage until disposal collected by a licensed waste disposal contractor Explanation may include: <ul style="list-style-type: none"> back on to target as long as it is below the maximum dose rate use on another approved crop/target treated by specialist treatment facility on site (e.g. a lined bio bed) collected by a licensed waste disposal contractor <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 232 6.2	Explain how to clean and decontaminate the applicator and prime mover (if applicable)	Candidate to explain four factors that need to be considered when cleaning the sprayer and, if applicable, the prime mover	May include: <ul style="list-style-type: none"> select and use correct PPE/RPE selection of an appropriate site for cleaning the application equipment triple rinse the applicator following product information recommendations through flushing of system safe disposal of contaminated washings in an appropriate manner following good practice safe procedures followed <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 232 6.3	Describe the storage requirements for the sprayer	Candidate to describe three factors to consider when storing the sprayer	May include: <ul style="list-style-type: none"> • ensure the application equipment is clean and dry • inspect for wear or damage • repair or notify supervisor if not within operators level of responsibility and ability • lubricate if required • frost protection measures implemented • store in a secure area • isolation of any electrical controls/components • store under cover and out of direct sunlight <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Unit 3 – Operation of Pesticide Applicators attached to Cultivating or Planting Equipment

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

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 233 1.1	Describe the legal requirements relating to applying pesticides using equipment attached to cultivators or planters	Candidate to describe two operator's obligations in terms of legal requirements	<p>May include:</p> <ul style="list-style-type: none"> all required guards are in place and equipment complies with legal requirements comply with all relevant road traffic regulations when operating or transporting on the public highway comply with The Plant Protection Products (Sustainable Use) Regulations 2012 the operator must hold the appropriate certification for the equipment they are using <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 233 1.2	Describe how to apply pesticides safely using equipment attached to cultivators or planters following industry best practice	<p>Candidate to describe one operator safety regulation in terms of using multi-modal equipment</p> <p>Candidate to describe two precautions operators may take to protect self from pesticide contamination when operating the prime mover</p> <p>When preparing the prime mover and application equipment, the candidate is to describe three checks which the operator may carry out to protect self from physical danger during operation</p> <p>Candidate to state four aspects of safe practice to be considered when driving on uneven/sloping terrain</p>	<p>May include:</p> <ul style="list-style-type: none"> comply with Pesticide Codes of Practice adopt industry best practice be aware of any safety implications imposed by COSHH/Risk Assessment and comply with the requirements <p>Sealed cab:</p> <ul style="list-style-type: none"> fit carbon filter use of in-cab controls ensure ventilation system is functional close all windows contaminated PPE stored in external locker awareness of the siting of pressurised components within confines of cab <p>Open cab/canopy/platform:</p> <ul style="list-style-type: none"> use of appropriate PPE awareness of the siting of pressurised components within confines of cab/canopy/platform <p>May include:</p> <ul style="list-style-type: none"> compatibility of prime mover and sprayer front weights wheel track width correct tyre pressures condition of tyres brake function <p>May include:</p> <ul style="list-style-type: none"> assess conditions select four wheel drive appropriate speed correct gear selection effect of changing load on stability use of weights to stabilise prime mover correct turning procedure <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 233 2.1	Identify risks to the environment	Candidate to identify all relevant risks to the environment for the application site	<p>May include the following:</p> <ul style="list-style-type: none"> • water courses • ground conditions • drains • boreholes • wildlife • non-target plants • sensitive crops/areas • housing • public/co-worker access • environmental margins/strips/areas • other risks specific to the site <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 233 2.2	Explain how to minimise risks to the environment	<p>Candidate to explain how to minimise the risks identified in 2.1</p> <p>Candidate to check and comment on wind speed and direction</p> <p>Candidate to state the reason for minimising off target application with the pesticide products being applied</p> <p>Candidate to state five factors that may affect off target application</p>	<p>May include the following:</p> <ul style="list-style-type: none"> • use of appropriate pesticides • careful timing of application • check and maintain application rate • avoid spray drift • observe buffer zones • erect warning signs • notify neighbours before application • use of anemometer at suitable height or visible signs • wind direction • avoidance of contamination to people and the environment <p>May include:</p> <ul style="list-style-type: none"> • wind speed and direction • nozzle type and size • pressure • forward speed • nozzle height • defective delivery mechanisms <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 233 3.1 3.2 Continued	Read product information Interpret product information	<p>For each product being used:</p> <p>The candidate is required to read and interpret the information on a product label and provide relevant information as requested by the Assessor</p> <p>Note to the Assessor: A product label is required. It is expected that the candidate will provide the product label. The label provided must be for a currently approved product and appropriate to the candidates normal work situation</p> <p>Note to the Candidate (Assessor also to note): It is acceptable for key information on the label to be highlighted for use during the assessment</p>	<p>May include the following:</p> <ul style="list-style-type: none"> • product name • active substance(s) (ingredient(s)) <p>Important information:</p> <ul style="list-style-type: none"> • field of use • crop/target • maximum individual dose • maximum total dose • maximum number of treatments • specific product precautions/warnings • operator protection • environmental protection • restrictions on use <p>Crop specific information:</p> <ul style="list-style-type: none"> • crop/target • dose rate • water volume (if applicable) • timing 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Cont... Unit 233 3.1 3.2			Mixing and spraying: <ul style="list-style-type: none"> filling reduced volume applications (if applicable) recommended nozzles recommended pressure spray quality recommended aperture settings soil incorporation requirements <ul style="list-style-type: none"> additional label information compatibility <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 233 4.1	Identify applicator components and controls	Candidate to identify all components & controls relevant to each item of the application equipment being used	May include: <ul style="list-style-type: none"> tank/hopper lid filters pipe work connections filling controls and devices pressure adjustment control pressure gauge diaphragm check valves tank wash system clean water tank(s) seals pump mechanical/electrical controls nozzles/delivery mechanisms aperture controls <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 233 4.2	Carry out pre use and operational checks to the prime mover	Candidate to check the prime mover for safe operation	May include: <ul style="list-style-type: none"> visual inspection of the wheels & tyres tyre pressures fuel level adequate engine oil within acceptable limits hydraulic oil within acceptable limits (if accessible) transmission oil level within acceptable limits (if accessible) coolant level is adequate engine air filter is clean <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 233 4.3	Carry out pre-use checks to the applicator(s)	Candidate to carry out all pre-use checks to each item of application equipment Check for mechanical defects Check the application mechanisms are lubricated correctly Check security of attachment application equipment to cultivator or planter Remove, clean & refit a filter	May include all/some of the following as applicable to the application equipment: <ul style="list-style-type: none"> seized, worn or damaged controls/components identification of lubrication points visual inspection of lubrication points visual inspection of oil levels fasteners tight linkage secure sideways movement restricted drawbar pin secured Candidate to: <ul style="list-style-type: none"> remove & clean using appropriate method contain spillage check for defects refit 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continued				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Cont... Unit 233 4.3		<p>Part fill tank/hoppers</p> <p>Explain how to use the control panel(s) to ensure the application equipment is functioning correctly</p> <p>State one suitable action in the event of the control panel(s) failing</p>	<ul style="list-style-type: none"> suitable site selected fill by usual on-site method, following approved procedures clean water supply functions of control panel recognition of malfunctions before and during operation check accuracy of calibration switch to manual/test mode where applicable stop pesticide application manual operation of controls if possible <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 233 4.4	Calibrate the application equipment and record relevant data	<p>The candidate is required to calibrate each item of application equipment</p> <p>Select & record forward speed</p> <p>Note to the Assessor: Any appropriate methods of calibration may be used</p> <p>Calculate required outputs</p> <p>Select appropriate nozzle/adjust delivery mechanisms using manufacturer's literature</p> <p>Set operating pressure</p> <p>Check nozzle outputs/check delivery of powders/granules (as appropriate)</p> <p>Candidate to record relevant calibration data</p>	<p>Calibration may include the following:</p> <ul style="list-style-type: none"> select suitable forward speed for crop & ground conditions appropriate gear selected and engine speed established accurate measurement of distance accurate measurement of time taken to cover distance correct use of formula to determine forward speed correct use of formula use of manufacturer's/operator's handbooks use of nozzle manufacturer's literature confirm requirements of product label pressure as determined from nozzle chart pressurise/purge appropriate to the system use measuring jug to check liquid outputs use weighing equipment to check powder/granule outputs compare with target outputs vary settings to make appropriate adjustments <p>Calibration data may include:</p> <ul style="list-style-type: none"> registration number of prime mover tyre size & pressure gear selected engine speed forward speed applicator settings flow rate <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 233 5.1	Measure the required quantities of pesticide and add to the applicator(s)	Candidate to measure and add quantities of pesticides required for the area specified	<p>To include all of the following:</p> <ul style="list-style-type: none"> correct selection and use of PPE/RPE (as required by the product label, COSHH/Risk Assessment) suitable site selected fill following product recommendations and approved procedures correct use of water supply accurate measurement of water accurate measurement/weighing of pesticide avoidance of spillage observance of pesticide manufacturer's instructions for mixing and agitation (if applicable) <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 233 5.2	Demonstrate safe and accurate application procedures	<p>Candidate to describe one possible method of marking out the site to achieve accurate application</p> <p>Candidate to explain the appropriate procedure to follow when the applicators need filling part way through an application</p> <p>The candidate is required to treat the area specified demonstrating safe and accurate application procedures</p>	<p>May include any of the following:</p> <ul style="list-style-type: none"> crop rows marker poles use of GPS <p>Explanation to include:</p> <ul style="list-style-type: none"> avoid contact with contaminated crop mark the spot at which the tank/hopper emptied refill tank/hopper continue application by accurately matching at the appropriate point <p>To include:</p> <ul style="list-style-type: none"> constant speed maintained accurate switch 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) <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 233 5.3	Carry out all activities protecting human health and the environment	<p>Note to the Assessor: Assessor to be satisfied that the candidate has carried out all activities protecting human health and the environment</p>	<p>To include:</p> <ul style="list-style-type: none"> prevention of personal injury and contamination through correct selection and use of PPE/RPE (as required by the product information and/or COSHH/Risk Assessment) prevention of public/bystander contamination safe filling procedure avoidance of spray drift avoidance of off target application avoidance of over/under dosing crop/target <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 233 5.4	Complete a treatment record	<p>Candidate is required to complete a treatment record</p> <p>Note to the Assessor: The treatment record must be approved by the Assessor (or supplied by the Assessor if necessary)</p>	<p>Completion of the treatment record must be:</p> <ul style="list-style-type: none"> accurate legible (if handwritten) <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 233 6.1	Explain how to manage surplus pesticide(s) and dispose of waste material	<p>Candidate to explain one method of dealing with surplus concentrate pesticide</p> <p>Candidate to explain two methods of dealing with waste containers or packaging</p> <p>Candidate to explain one method of dealing with surplus dilute pesticide</p>	<p>Explanation may include:</p> <ul style="list-style-type: none"> return to temporary mobile store return to fixed store <p>Containers:</p> <ul style="list-style-type: none"> triple rinsed (if applicable) placed in secure storage until disposal returned to supplier collected by a licensed waste disposal contractor <p>Packaging:</p> <ul style="list-style-type: none"> thoroughly emptied placed in secure storage until disposal collected by a licensed waste disposal contractor <p>Explanation may include:</p> <ul style="list-style-type: none"> use on another approved crop/target treated by specialist treatment facility on site (e.g. a lined bio bed) collected by a licensed waste disposal contractor <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 233 6.2	Explain how to clean and decontaminate the applicator(s) and prime mover (if applicable)	Candidate to explain four factors that need to be considered when cleaning/ decontaminating the applicator(s) and, if applicable, the prime mover	<p>May include:</p> <ul style="list-style-type: none"> select and use correct PPE/RPE selection of an appropriate site for cleaning the application equipment triple rinse the liquid applicator following product information recommendations through flushing of system safe disposal of contaminated washings in an appropriate manner following good practice thorough (dry) cleaning of powder/granule mechanisms following product manufacturer's guidelines safe disposal of contaminated (dry) arisings following product manufacturer's guidelines <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 233 6.3	Describe the storage requirements for the applicator(s)	Candidate to describe three factors to consider when storing the application equipment	<p>May include:</p> <ul style="list-style-type: none"> ensure the application equipment is clean and dry inspect for wear or damage repair or notify supervisor if not within operators level of responsibility and ability lubricate if required frost protection measures implemented rust protection applied as appropriate store in a secure area isolation of any electrical controls store under cover and out of direct sunlight <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Unit 234 – Operation of a Sprayer Mounted on a Train fitted with Hydraulic Nozzles for Applying Pesticides

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

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 234 1.1	Describe the legal requirements relating to applying pesticides using rail track application equipment	Candidate to describe two operator's obligations in terms of legal requirements	<p>May include:</p> <ul style="list-style-type: none"> all required guards are in place and equipment complies with legal requirements comply with all relevant trackside safety regulations and protocols comply with The Plant Protection Products (Sustainable Use) Regulations 2012 the operator must hold the appropriate certification for the equipment they are using <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 234 1.2	Describe how to apply pesticides safely using rail track application equipment following industry best practice	<p>Candidate to describe one operator safety regulation in terms of using rail track application equipment</p> <p>When preparing the rail track application equipment, the candidate is to describe two checks which the equipment operator may carry out to protect self from physical danger during operation</p> <p>NB. it is imperative (with even the simplest application equipment) that the safe operation of the train remains the sole responsibility of the train driver, and the application equipment operator's responsibilities will always be secondary to that of the train driver</p>	<p>May include:</p> <ul style="list-style-type: none"> comply with Pesticide Codes of Practice adopt industry best practice be aware of any safety implications imposed by Risk/COSHH Assessment and comply with the requirements <p>May include:</p> <ul style="list-style-type: none"> trackside safety protocols safe access from ground level to spraying platform safe travel along spraying platform <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 234 2.1	Identify risks to the environment	Candidate to identify all relevant risks to the environment for the application site	<p>May include the following:</p> <ul style="list-style-type: none"> water courses drains wildlife viaducts station platforms non-target plants sensitive crops/areas trackside housing public/co-worker access other risks specific to the site <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 234 2.2	Explain how to minimise risks to the environment	<p>Candidate to explain how to minimise the risks identified in 2.1</p> <p>Candidate to check and comment on wind speed and direction</p> <p>Candidate to state the reason for minimising off target application and spray drift</p> <p>Candidate to state five factors that may affect spray drift</p>	<p>May include the following:</p> <ul style="list-style-type: none"> • use of an appropriate pesticide • careful timing of application • check and maintain application rate • avoid spray drift • observe buffer zones <ul style="list-style-type: none"> • use of anemometer at suitable height or visible signs • wind direction <ul style="list-style-type: none"> • avoidance of contamination to people and the environment <p>May include:</p> <ul style="list-style-type: none"> • wind speed and direction • nozzle type and size • pressure • forward speed • nozzle height & angle • defective equipment <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 234 3.1 Unit 234 3.2	Read product information Interpret product information	<p>The candidate is required to read and interpret the information on a product label and provide relevant information as requested by the Assessor</p> <p>Note to the Assessor: A product label is required. It is expected that the candidate will provide the product label</p> <p>The label provided must be for a currently approved product and appropriate to the candidate's normal work situation</p> <p>Note to the Candidate (Assessor also to note): It is acceptable for key information on the label to be highlighted for use during the assessment</p>	<p>May include the following:</p> <ul style="list-style-type: none"> • product name • active substance(s) (ingredient(s)) <p>Important information:</p> <ul style="list-style-type: none"> • field of use • crop/target • maximum individual dose • maximum total dose • maximum number of treatments <ul style="list-style-type: none"> • specific product precautions/warnings • operator protection • environmental protection • restrictions on use <p>Crop specific information:</p> <ul style="list-style-type: none"> • crop/target • dose rate • water volume • timing <p>Mixing and spraying:</p> <ul style="list-style-type: none"> • filling • reduced volume applications (if applicable) • recommended nozzles • recommended pressure • spray quality <ul style="list-style-type: none"> • additional label information • compatibility <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 234 4.1	Identify sprayer components and controls	Candidate to identify all components & controls relevant to the equipment being used Candidate to identify and explain the use of two types of nozzle, one of which could be that intended for use	May include: <ul style="list-style-type: none"> tank(s) transfer systems filters pipe work connections filling controls and devices pressure adjustment control pressure gauge clean water tank seals pumps mechanical/electrical controls May include: <ul style="list-style-type: none"> flat fan – standard boom nozzle radial – standard spraytrain nozzle extended reach nozzle Met ✓ Not Met X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 234 4.2	Carry out pre-use and operational checks to the sprayer	Candidate to carry out all pre-use and operational checks to the sprayer Check for mechanical defects Check the sprayer is lubricated correctly Check security of attachment of sprayer Check boom settings, suspension & break-back devices (if applicable) Remove, clean & refit a filter Remove, clean/replace & refit a nozzle Part fill sprayer Check sprayer for leaks and spray pattern Explain how to use the control panel to ensure the sprayer is functioning correctly	May include all/some of the following as applicable to the sprayer: <ul style="list-style-type: none"> seized, worn or damaged controls/components identification of lubrication points visual inspection of lubrication points visual inspection of oil levels (if applicable) fasteners tight linkage secure (if applicable) boom suspension operational break-back efficiency height adjustment Candidate to: <ul style="list-style-type: none"> remove & clean using appropriate method contain spillage check for defects refit Candidate to: <ul style="list-style-type: none"> remove & clean using appropriate method contain spillage check for defects replace if worn/damaged refit <ul style="list-style-type: none"> suitable site selected fill by usual on-site method, following approved procedure clean water supply <ul style="list-style-type: none"> use higher than normal operating pressure visual check of all nozzles for correct spray patterns absence of blockages, streaking, pulsing & correct alignment replace defective nozzles/diaphragm check valves <ul style="list-style-type: none"> functions of control panel recognition of malfunctions before and during operation check accuracy of calibration switch to manual/test mode where applicable 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
continued				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Cont... Unit 234 4.2		State one suitable action in the event of the control panel failing	<ul style="list-style-type: none"> stop pesticide operation manual operation of controls if possible <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 234 4.3	Calibrate the sprayer and record relevant data	<p>The candidate is required to calibrate the application equipment</p> <p>Note to the Assessor: Any appropriate method of calibration may be used</p> <p>Select and record forward speed</p> <p>Calculate required output/volume rate</p> <p>Select appropriate nozzle using manufacturer's literature</p> <p>Set operating pressure</p> <p>Check nozzle outputs</p> <p>Candidate to record relevant calibration data</p>	<p>Calibration may include the following:</p> <ul style="list-style-type: none"> request suitable forward speed accurate measurement of distance accurate measurement of time taken to cover distance correct use of formula to determine forward speed correct use of formula use of manufacturer's operators handbook use of nozzle manufacturer's literature confirm requirements of product label pressure as determined from nozzle chart pressurise/purge appropriate to the system use measuring jug to check output from at least one nozzle compare with target output vary pressure to make small adjustments change nozzles if required <p>Calibration data may include:</p> <ul style="list-style-type: none"> identification number of spray train forward speed application volume nozzle fitted operation pressure flow rate <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 234 4.4	Calculate the quantities of pesticide and water required for a specified operation	Candidate to calculate quantities required for the track length & width specified and a full tank (if applicable)	<p>May include:</p> <ul style="list-style-type: none"> amount of pesticide required for specified area amount of water required for specified area amount of pesticide required for full tank <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 234 5.1	Determine that there are sufficient quantities of water and pesticide on board for the task	Candidate to measure and add quantities required for the area specified (if applicable) or confirm that quantities are sufficient	<p>To include all of the following;</p> <ul style="list-style-type: none"> correct selection and use of PPE (as required by the product label, COSHH/Risk Assessment) suitable site selected fill following product recommendations and approved procedures correct use of water supply accurate measurement of water accurate measurement of pesticide avoidance of spillage observance of pesticide manufacturer's instructions for mixing and agitation <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 234 5.2	Demonstrate safe and accurate application procedures	<p>Candidate to describe one possible method of marking out the site to achieve accurate application</p> <p>Candidate to explain the appropriate procedure to follow when the sprayer needs filling part way through an application</p> <p>Candidate to explain the appropriate procedure to follow when a nozzle becomes blocked during spraying</p> <p>The candidate is required to treat the area specified demonstrating safe and accurate application procedures</p>	<p>May include any of the following:</p> <ul style="list-style-type: none"> track markers use of GPS <p>Explanation to include:</p> <ul style="list-style-type: none"> avoid contact with contaminated target mark the spot at which the sprayer emptied refill sprayer continue spraying by accurately matching at the appropriate point <p>Explanation to include:</p> <ul style="list-style-type: none"> select and use appropriate PPE care not to walk in contaminated target clean or replace nozzle as appropriate <p>To include:</p> <ul style="list-style-type: none"> correct boom height and attitude according to the target and type of nozzle treatment area clearly identified constant speed maintained accurate switch on/off points obstacles dealt with correctly (if applicable) awareness of changing climatic conditions and appropriate action taken (if applicable) <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 234 5.3	Carry out all activities protecting human health and the environment	<p>Note to the Assessor: Assessor to be satisfied that the candidate has carried out all activities protecting human health and the environment</p>	<p>To include:</p> <ul style="list-style-type: none"> prevention of personal injury and contamination through correct selection and use of PPE (as required by the product information and/or COSHH/Risk Assessment) prevention of public / bystander contamination safe filling procedure avoidance of off target application avoidance of over/under dosing target <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 234 5.4	Complete a treatment record	<p>Candidate is required to complete a treatment record</p> <p>Note to the Assessor: The treatment record must be approved by the Assessor (or supplied by the Assessor if necessary)</p>	<p>Completion of the treatment record must be:</p> <ul style="list-style-type: none"> accurate legible (if handwritten) <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 234 6.1	Explain how to manage surplus pesticide and dispose of waste material	<p>Candidate to explain one method of dealing with surplus concentrate pesticide</p> <p>Candidate to explain two methods of dealing with waste containers or packaging</p> <p>Candidate to explain two methods of dealing with surplus dilute pesticide</p>	<p>Explanation may include:</p> <ul style="list-style-type: none"> return to temporary mobile store return to fixed store <p>Containers:</p> <ul style="list-style-type: none"> triple rinsed (if applicable) placed in secure storage until disposal returned to supplier collected by a licensed waste disposal contractor <p>Packaging:</p> <ul style="list-style-type: none"> thoroughly emptied placed in secure storage until disposal collected by a licensed waste disposal contractor <p>Explanation may include:</p> <ul style="list-style-type: none"> back on to target as long as it is below the maximum dose rate use on another approved target collected by a licensed waste disposal contractor <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 234 6.2	Explain how to clean and decontaminate the applicator and prime mover (if applicable)	Candidate to explain four factors that need to be considered when cleaning the sprayer and, if applicable, the prime mover	May include: <ul style="list-style-type: none"> • select and use correct PPE • selection of an appropriate site for cleaning the application equipment • triple rinse the applicator following product information recommendations • through flushing of system • safe disposal of contaminated washings in an appropriate manner following good practice • safe procedures followed <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 234 6.3	Describe the storage requirements for the applicator	Candidate to describe three factors to consider when storing the sprayer	May include: <ul style="list-style-type: none"> • de-commissioning • ensure the application equipment is clean and dry • inspect for wear or damage • repair or notify supervisor if not within operators level of responsibility and ability • lubricate if required • frost protection measures implemented • store in a secure area <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Unit 5 – Operation of a Bankside Sprayer Mounted on a Train fitted with Hydraulic Nozzles for applying Pesticides

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

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 235 1.1	Describe the legal requirements relating to applying pesticides using rail track bankside application equipment	Candidate to describe two operator's obligations in terms of legal requirements	<p>May include:</p> <ul style="list-style-type: none"> all required guards are in place and equipment complies with legal requirements comply with all relevant trackside safety regulations and protocols comply with The Plant Protection Products (Sustainable Use) Regulations 2012 the operator must hold the appropriate certification for the equipment they are using <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 235 1.2	Describe how to apply pesticides safely using rail track bankside application equipment following industry best practice	<p>Candidate to describe one operator safety regulation in terms of using rail track application equipment</p> <p>When preparing the rail track application equipment, the candidate is to describe two checks which the equipment operator may carry out to protect self from physical danger during operation</p> <p>NB: It is imperative that the safe operation of the train remains the sole responsibility of the train driver, and the application equipment operator's responsibilities will always be secondary to that of the train driver</p>	<p>May include:</p> <ul style="list-style-type: none"> comply with Pesticide Codes of Practice adopt industry best practice be aware of any safety implications imposed by COSHH/Risk Assessment and comply with the requirements <p>May include:</p> <ul style="list-style-type: none"> trackside safety protocols safe access from ground level to spraying platform safe travel along spraying platform <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 235 2.1	Identify risks to the environment	Candidate to identify all relevant risks to the environment for the application site	<p>May include the following:</p> <ul style="list-style-type: none"> water courses drains wildlife viaducts station platforms non-target plants sensitive crops/areas trackside housing public/co-worker access other risks specific to the site <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 235 2.2	Explain how to minimise risks to the environment	<p>Candidate to explain how to minimise the risks identified in 2.1</p> <p>Candidate to check and comment on wind speed and direction</p> <p>Candidate to state the reason for minimising off target application and spray drift</p> <p>Candidate to state five factors that may affect spray drift</p>	<p>May include the following:</p> <ul style="list-style-type: none"> • use of an appropriate pesticide • careful timing of application • check and maintain application rate • avoid spray drift • observe buffer zones <ul style="list-style-type: none"> • use of anemometer at suitable height or visible signs • wind direction <ul style="list-style-type: none"> • avoidance of contamination to people and the environment <p>May include:</p> <ul style="list-style-type: none"> • wind speed and direction • nozzle type and size • pressure • forward speed • nozzle height & angle • defective equipment <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 235 3.1 Unit 235 3.2	Read product information Interpret product information	<p>The candidate is required to read and interpret the information on a product label and provide relevant information as requested by the Assessor</p> <p>Note to the Assessor: A product label is required. It is expected that the candidate will provide the product label</p> <p>The label provided must be for a currently approved product and appropriate to the candidates normal work situation</p> <p>Note to the Candidate (Assessor also to note): It is acceptable for key information on the label to be highlighted for use during the assessment</p>	<p>May include the following:</p> <ul style="list-style-type: none"> • product name • active substance(s) (ingredient(s)) <p>Important information:</p> <ul style="list-style-type: none"> • field of use • crop/target • maximum individual dose • maximum total dose • maximum number of treatments • specific product precautions/warnings • operator protection • environmental protection • restrictions on use <p>Crop specific information:</p> <ul style="list-style-type: none"> • crop/target • dose rate • water volume • timing <p>Mixing and spraying:</p> <ul style="list-style-type: none"> • filling • reduced volume applications (if applicable) • recommended nozzles • recommended pressure • spray quality • additional label information • compatibility <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 235 4.1	Identify sprayer components and controls	<p>Candidate to identify all components and controls relevant to the equipment being used</p> <p>Candidate to identify and explain the use of two types of nozzle, one of which could be that intended for use</p>	<p>May include:</p> <ul style="list-style-type: none"> • tank(s) • transfer systems • filters • pipe work • connections • filling controls and devices • pressure adjustment control • pressure gauge • clean water tank • operating pod • nozzle directional controls • seals • pumps • mechanical/electrical controls <p>May include:</p> <ul style="list-style-type: none"> • flat fan – standard boom nozzle • radial – standard spraytrain nozzle • extended reach nozzle <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 235 4.2	Carry out pre-use and operational checks to the sprayer	<p>Candidate to carry out all pre-use and operational checks to the sprayer</p> <p>Check for mechanical defects</p> <p>Check the sprayer is lubricated correctly</p> <p>Check security of attachment of sprayer</p> <p>Check all directional controls and guidance systems</p> <p>Remove, clean & refit a filter</p> <p>Remove, clean/replace & refit a nozzle</p> <p>Part fill sprayer</p> <p>Check sprayer for leaks & spray pattern</p> <p>Explain how to use the control panel to ensure the sprayer is functioning correctly</p>	<p>May include all/some of the following as applicable to the sprayer:</p> <ul style="list-style-type: none"> • seized, worn or damaged controls/components • identification of lubrication points • visual inspection of lubrication points • visual inspection of oil levels (if applicable) • fasteners tight • linkage secure (if applicable) • free movement throughout range of operation <p>Candidate to:</p> <ul style="list-style-type: none"> • remove & clean using appropriate method • contain spillage • check for defects • refit <p>Candidate to:</p> <ul style="list-style-type: none"> • remove & clean using appropriate method • contain spillage • check for defects • replace if worn/damaged • refit <ul style="list-style-type: none"> • suitable site selected • fill by usual on-site method, following approved procedure • clean water supply • use higher than normal operating pressure • visual check of all nozzles for correct spray patterns • absence of blockages, streaking, pulsing and correct alignment • replace defective nozzles • functions of control panel • recognition of malfunctions before and during operation • check accuracy of calibration • switch to manual/test mode where applicable 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continued				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Cont... Unit 235 4.2		State one suitable action in the event of the control panel failing	<ul style="list-style-type: none"> stop pesticide operation manual operation of controls if possible <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 235 4.3	Calibrate the sprayer and record relevant data	<p>The candidate is required to calibrate the application equipment</p> <p>Note to the Assessor: Any appropriate method of calibration may be used</p> <p>Select and record forward speed</p> <p>Calculate required output/volume rate</p> <p>Select appropriate nozzle using manufacturer's literature</p> <p>Set operating pressure</p> <p>Check nozzle outputs</p> <p>Candidate to record relevant calibration data</p>	<p>Calibration may include the following:</p> <p>May include:</p> <ul style="list-style-type: none"> request suitable forward speed accurate measurement of distance accurate measurement of time taken to cover distance correct use of formula to determine forward speed correct use of formula use of manufacturer's operators handbook use of nozzle manufacturer's literature confirm requirements of product label pressure as determined from nozzle chart pressurise/purge appropriate to the system use measuring jug to check output from at least one nozzle compare with target output vary pressure to make small adjustments change nozzles if required <p>Calibration data may include:</p> <ul style="list-style-type: none"> identification number of spray train forward speed application volume nozzle fitted operation pressure flow rate <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 235 4.4	Calculate the quantities of pesticide and water required for a specified operation	Candidate to calculate quantities required for the track length and bank width specified and a full tank (if applicable)	<p>May include:</p> <ul style="list-style-type: none"> amount of water required for specified area amount of pesticide required for specified area amount of pesticide required for full tank <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 235 5.1	Determine that there are sufficient quantities of water and pesticide on board for the task	Candidate to measure and add quantities required for the area specified (if applicable) or confirm that quantities are sufficient	<p>To include all of the following:</p> <ul style="list-style-type: none"> correct selection and use of PPE (as required by the product label, COSHH/Risk Assessment) suitable site selected fill following product recommendations and approved procedures correct use of water supply accurate measurement of water accurate measurement of pesticide avoidance of spillage observance of pesticide manufacturer's instructions for mixing and agitation <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 235 5.2	Demonstrate safe and accurate application procedures	<p>Candidate to describe one possible method of marking out the site to achieve accurate application</p> <p>Candidate to explain the appropriate procedure to follow when the sprayer needs filling part way through an application</p> <p>Candidate to explain the appropriate procedure to follow when a nozzle becomes blocked during spraying</p> <p>The candidate is required to treat the area specified demonstrating safe and accurate application procedures</p>	<p>May include any of the following:</p> <ul style="list-style-type: none"> track markers use of GPS <p>Explanation to include:</p> <ul style="list-style-type: none"> avoid contact with contaminated target mark the spot at which the sprayer emptied refill sprayer continue spraying by accurately matching at the appropriate point <p>Explanation to include:</p> <ul style="list-style-type: none"> select and use appropriate PPE care not to walk in contaminated target clean or replace nozzle as appropriate <p>To include:</p> <ul style="list-style-type: none"> correct angle/alignment according to the target and type of nozzle treatment area clearly identified constant speed maintained accurate switch on/off points obstacles dealt with correctly (if applicable) awareness of changing weather conditions and appropriate action taken (if applicable) <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 235 5.3	Carry out all activities protecting human health and the environment	<p>Note to the Assessor: Assessor to be satisfied that the candidate has carried out all activities protecting human health and the environment</p>	<p>To include:</p> <ul style="list-style-type: none"> prevention of personal injury and contamination through correct selection and use of PPE (as required by the product information and/or COSHH/Risk Assessment) prevention of public/bystander contamination safe filling procedure avoidance of spray drift avoidance of off target application avoidance of under/over dosing target <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 235 5.4	Complete a treatment record	<p>Candidate is required to complete a treatment record</p> <p>Note to the Assessor: The treatment record must be approved by the Assessor (or supplied by the Assessor if necessary)</p>	<p>Completion of the treatment record must be:</p> <ul style="list-style-type: none"> accurate legible (if handwritten) <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 235 6.1	Explain how to manage surplus pesticide and dispose of waste material	<p>Candidate to explain one method of dealing with surplus concentrate pesticide</p> <p>Candidate to explain two methods of dealing with waste containers or packaging</p> <p>Candidate to explain two methods of dealing with surplus dilute pesticide</p>	<p>Explanation may include:</p> <ul style="list-style-type: none"> return to temporary mobile store return to fixed store <p>Containers:</p> <ul style="list-style-type: none"> triple rinsed (if applicable) placed in secure storage until disposal returned to supplier collected by a licensed waste disposal contractor <p>Packaging:</p> <ul style="list-style-type: none"> thoroughly emptied placed in secure storage until disposal collected by a licensed waste disposal contractor <p>Explanation may include:</p> <ul style="list-style-type: none"> back on to target as long as it is below the maximum dose rate use on another approved target collected by a licensed waste disposal contractor <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 235 6.2	Explain how to clean and decontaminate the applicator and prime mover (if applicable)	Candidate to explain four factors that need to be considered when cleaning the sprayer and, if applicable, the prime mover	May include: <ul style="list-style-type: none"> • select and use correct PPE • selection of an appropriate site for cleaning the application equipment • triple rinse the applicator following product information recommendations • through flushing of system • safe disposal of contaminated washings in an appropriate manner following good practice • safe procedures followed <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 235 6.3	Describe the storage requirements for the applicator	Candidate to describe three factors to consider when storing the sprayer	May include: <ul style="list-style-type: none"> • de-commissioning • ensure the application equipment is clean and dry • inspect for wear or damage • repair or notify supervisor if not within operators level of responsibility and ability • lubricate if required • frost protection measures implemented • store in a secure area <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Unit 6 – Operating ‘any other’ Equipment for Applying Pesticides

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

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 236 1.1	Describe the legal requirements relating to applying pesticides using selected application equipment	Candidate to describe two operator’s obligations in terms of legal requirements	May include: <ul style="list-style-type: none"> all required guards are in place and equipment complies with legal requirements comply with The Plant Protection Products (Sustainable Use) Regulations 2012 the operator must hold the appropriate certification for the equipment they are using Met ✓ Not Met X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 236 1.2	Describe how to apply pesticides safely using selected application equipment following industry best practice	Candidate to describe one operator safety regulation in terms of using selected application equipment	May include: <ul style="list-style-type: none"> comply with Pesticide Codes of Practice adopt industry best practice be aware of any safety implications imposed by COSHH/Risk Assessment and comply with the requirements Met ✓ Not Met X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 236 2.1	Identify risks to the environment	Candidate to identify all relevant risks to the environment for the application site	May include: <ul style="list-style-type: none"> ground conditions water courses drains boreholes wildlife non-target plants sensitive crops/areas hedgerows housing public access other risks particular to the site Met ✓ Not Met X	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 236 2.2	Explain how to minimise risks to the environment	Candidate to explain how to minimise the risks identified in 2.1	Explanation may include the following points: <ul style="list-style-type: none"> check and maintain application rate avoid spray drift avoid off target application observe buffer zones comply with LERAP requirements inform neighbours erect warning signs use an appropriate pesticide (minimal environmental impact) appropriate timing of application operate within any temperature parameters 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Continued		Candidate to state the reason for minimising spray drift or off target application Candidate to check and comment on wind speed and direction	<ul style="list-style-type: none"> avoidance of contamination to people and the environment use of anemometer at suitable height or visible signs wind direction 	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
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Cont... Unit 236 2.2		Candidate to state five factors that may affect spray drift	<p>May include:</p> <ul style="list-style-type: none"> wind speed and direction nozzle type and size pressure forward speed nozzle height defective equipment suction effect of wind <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 236 3.1 3.2	Read product information Interpret product information	<p>The candidate is required to read and interpret the information on a product label and provide relevant information as requested by the Assessor</p> <p>Note to the Assessor: A product label is required. It is expected that the candidate will provide the product label</p> <p>The label provided must be for a currently approved product and appropriate to the candidates normal work situation</p> <p>Note to the Candidate (Assessor also to note): It is acceptable for key information on the label to be highlighted for use during the assessment</p>	<p>May include the following:</p> <ul style="list-style-type: none"> product name active substance(s) (ingredient(s)) <p>Important information:</p> <ul style="list-style-type: none"> field of use crop/target maximum individual dose maximum total dose maximum number of treatments specific product precautions/warnings operator protection environmental protection restrictions on use <p>Crop specific information:</p> <ul style="list-style-type: none"> crop/target dose rate water volume timing <p>Mixing and spraying:</p> <ul style="list-style-type: none"> filling reduced volume applications (if applicable) recommended nozzles recommended pressure spray quality additional label information compatibility <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 236 4.1	Identify the components & controls on the equipment	<p>Candidate to identify all components and controls relating to the applicator being used for the assessment</p> <p>Identify and explain the use of two types of nozzle, one of which could be that intended for use</p>	<p>May include:</p> <ul style="list-style-type: none"> tank lid filters pipe work pump pressure control nozzles pressure gauge connections seals metering devices mechanical/electrical controls programming controls <p>May include:</p> <ul style="list-style-type: none"> flat fan – fine/medium/coarse spray air inclusion – medium/coarse spray, low-drift cone – fine spray, good coverage <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 236 4.2	Carry out pre use checks to the prime mover (if applicable)	Candidate to carry out all pre-use checks relevant to the prime mover being used for the assessment (if applicable)	May include: <ul style="list-style-type: none"> integrity of power source fluid levels fail-safe systems <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 236 4.3	Carry out pre-use checks to the selected application equipment	Candidate to carry out all pre-use and operational checks to the selected application equipment Check security of attachment of applicator mechanisms	May include: <ul style="list-style-type: none"> metering & delivery systems drive systems condition & tension of belts boom suspension/break-back devices (if applicable) security of attachment to prime mover lubrication of components checking for leaks under pressure any problems identified to be rectified if within operators level of responsibility and ability <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 236 4.4	Calibrate the selected application equipment and record relevant data	Candidate is required to calibrate the selected applicator and record relevant data Note to the Assessor: Any appropriate method of calibration may be used State two pieces of calibration data that should be recorded	May include: <ul style="list-style-type: none"> accurate measurements accurate timings accurate calculations correct use of formulae <p>Calibration data may include:</p> <ul style="list-style-type: none"> equipment settings used product used for calibration application rate achieved <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 236 4.5	Measure the area/volume to be treated	Candidate to measure the area/volume, which should be typical of the candidate's normal work. The Assessor may assist under direction of the candidate	Must include: <ul style="list-style-type: none"> accurate measurements <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 236 4.6	Calculate the area/volume to be treated	Candidate to calculate the area/volume to be treated	Must include: <ul style="list-style-type: none"> accurate calculations <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 236 4.7	Calculate the quantities of pesticide and water required for a specified area/volume	Candidate to calculate quantities required for the area/volume calculated in 4.6	May include: <ul style="list-style-type: none"> amount of water required for specified area/volume amount of pesticide required for specified area/volume <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 236 5.1	Measure the required quantities and add to the selected applicator	Candidate to measure and add quantities required for the area/volume specified in 4.5 Note: This may be a simulated pesticide product	To include all of the following: <ul style="list-style-type: none"> correct selection and use of PPE/RPE (as required by the product label, COSHH/Risk Assessment) suitable site selected fill following product recommendations and approved procedures correct use of water supply accurate measurement of water accurate measurement of pesticide avoidance of spillage <p>or</p> <ul style="list-style-type: none"> attach pesticide container <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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Unit 236 5.2	Demonstrate safe and accurate application procedures	Candidate to apply pesticide to treat a specified area/volume appropriate to the candidates normal work situation and sufficient to demonstrate safe and accurate application procedures	To include: <ul style="list-style-type: none"> treatment area clearly identified constant speed maintained accurate switch on/off points accurate matching of bouts (if applicable) obstacles dealt with correctly (if applicable) area/volume treated minimising overlaps and misses (if applicable) awareness of changing climatic conditions and appropriate action taken (if applicable) <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 236 5.3	Carry out all activities protecting human health and the environment	Note to the Assessor: Assessor to be satisfied that the candidate has carried out all activities protecting human health and the environment	To include: <ul style="list-style-type: none"> prevention of personal injury and contamination through correct selection and use of PPE/RPE (as required by the product information and/or COSHH/Risk Assessment) prevention of public/bystander contamination safe filling procedure avoidance of spray drift avoidance of off target application avoidance of over/under dosing crop/target/plant material <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 236 5.4	Complete a treatment record	Candidate is required to complete a treatment record Note to the Assessor: The treatment record must be approved by the Assessor (or supplied by the Assessor if necessary)	Completion of the treatment record must be: <ul style="list-style-type: none"> accurate legible (if handwritten) <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 236 6.1	Explain how to manage surplus pesticide and dispose of waste material	Candidate to explain one method of dealing with surplus concentrate pesticide Candidate to explain two methods of dealing with waste containers or packaging Candidate to explain two methods of dealing with surplus dilute pesticides	Explanation may include: <ul style="list-style-type: none"> return to temporary mobile store return to fixed store Containers: <ul style="list-style-type: none"> triple rinsed placed in secure storage until disposal returned to supplier collected by a licensed waste disposal contractor Packaging: <ul style="list-style-type: none"> thoroughly emptied placed in secure storage until disposal collected by a licensed waste disposal contractor Explanation may include: <ul style="list-style-type: none"> back on to target as long as it is below the maximum dose rate use on another approved crop/target treated by specialist treatment facility on site (e.g. a lined bio bed) collected by a licensed waste disposal contractor <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Unit 236 6.2	Explain how to clean and decontaminate the selected application equipment	Candidate to explain four factors that need to be considered when cleaning the application equipment and, if applicable, the prime mover	May include: <ul style="list-style-type: none"> select and use correct PPE/RPE selection of an appropriate site for cleaning the application equipment triple rinse the applicator following product information recommendations through flushing of system safe disposal of contaminated washings in an appropriate manner following good practice safe procedures followed <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	CANDIDATE			
				A	B	C	D
Unit 236 6.3	Describe the storage requirements for the selected application equipment	Candidate to describe three factors to consider prior to storing the selected application equipment	<p>May include:</p> <ul style="list-style-type: none"> • de-pressurisation • ensure the application equipment is clean and dry • inspect for wear or damage • repair or notify supervisor if not within operators level of responsibility and ability • lubricate if required • frost protection measures implemented • nozzles and filters removed prior to freezing conditions • store in a secure area • isolation of any electrical controls • store under cover and out of direct sunlight <p style="text-align: right;">Met ✓ Not Met X</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

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

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

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

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

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

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

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