

CITY & GUILDS LEVEL 2 PRINCIPLES OF SAFE HANDLING AND APPLICATION OF PESTICIDES (PA1)



PA1 GUIDANCE

Assessed via E-volve

Essential Information

Not to be used by the Candidate during Assessment

Qualification Group No	0 2 1 6	Pesticides
Qualification Programme No	0 2 1 6 - 4 9	L2 Principles of Safe Handling and Application of Pesticides (PA1)
Unit(s)	1 0 1	Principles of Safe Handling and Application of Pesticides (A/506/8297)
Guided Learning Hours (GLH)	1 0 1	GLH 26 (Credit Value 3)
Total Qualification Time (TQT)		30 Hours
Maximum Assessment Duration		1 hour per Candidate

City & Guilds Level 2 Principles of Safe Handling and Application of Pesticides (PA1) 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.

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.

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.

Access to Assessment

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

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

The assessment consists of **one** compulsory unit:

Unit 101	(Mandatory)	(Credit Value 3)
Outcome 1.	Know the legislative requirements and codes of practice relating to the use of pesticides	(Criteria 1.1 – 1.2)
Outcome 2.	Understand the relevance of product information	(Criteria 2.1 – 2.1)
Outcome 3.	Know how to minimise the risk of human contamination and implement emergency procedures	(Criteria 3.1 – 3.4)
Outcome 4.	Know how to store and transport pesticides safely	(Criteria 4.1 – 4.2)
Outcome 5.	Know how to manage and dispose of surplus pesticide and waste materials	(Criteria 5.3 – 5.4)
Outcome 6.	Know the record keeping requirements	(Criteria 6.1 – 6.1)
Outcome 7.	Know how to minimise the risk of environmental contamination and implement emergency procedures	(Criteria 7.1 – 7.3)

Candidates must successfully achieve **all** assessment activities in the above unit.

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.

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

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.

Assessment Guidance for the Assessor

This qualification can only be assessed by an Assessor or Invigilator 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.

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 their 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.

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

Unit 101 – Principles of Safe Handling and Application of Pesticides

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES
Unit 101 1.1	Identify an operators responsibilities under current legislation		<p>May include:</p> <ul style="list-style-type: none"> comply with a COSHH Assessment that has been carried out keep up to date with pesticide related legislation receive adequate training for the task follow the Pesticide Code of Practice for using Plant Protection Products Certificate of Competence is required for anyone who is going to apply professional products unless under direct supervision from a certificate holder reasonable precautions must be taken to protect human health and that of the environment application must be confined to the intended target preference should be given to products not classified to be harmful to the environment the amount of pesticide used and frequency of use is as low as reasonably practicable on: roads, railways, very permeable surfaces and sealed surfaces where there is a greater risk of run off or contamination of surface and groundwater equipment must be inspected/tested in line with current legislative requirements
Unit 101 1.2	Identify an operators responsibilities under current codes of practice		<p>May include:</p> <ul style="list-style-type: none"> use pesticides in a safe manner following product information carry out and comply with an Environmental Assessment on the application site ensure that equipment is in good condition and correctly calibrated
Unit 101 2.1	Explain the relevance of product information		<p>May include:</p> <ul style="list-style-type: none"> current approval number – evidence of approval product group symbol i.e. H, I, F, P important information – must be strictly complied with active substance(s) (ingredient(s)) – relevant to the operator in the event of an emergency approved field of use – the industry sector for which the product is approved maximum dose rate – must not be exceeded timing of application(s) – manufacturer's recommendations must be followed approved adjuvants – only approved adjuvants can be used as recommended Extension of Authorisation for Minor Use (EAMU) – use additional to label approvals
Unit 101 3.1	Identify possible routes of contamination		<p>May include:</p> <ul style="list-style-type: none"> absorption inhalation ingestion injection
Unit 101 3.2	Identify appropriate Personal Protective Equipment (PPE)		<p>Quality standard marks e.g. CE Mark. Type, condition and features of:</p> <ul style="list-style-type: none"> gloves coverall face shield footwear respirator
Unit 101 3.3	Identify the symptoms of contamination		<p>May include:</p> <ul style="list-style-type: none"> headache nausea stomach pains rashes/blistering of skin

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES
Unit 101 3.4	Explain appropriate procedures for dealing with contamination		Appropriate procedures for dealing with pesticide contamination include: <ul style="list-style-type: none"> self – identify contamination, decontaminate, remove contaminated PPE and clothing, seek medical advice if needed third parties – protect yourself, relocate to safe area, decontaminate if possible, remove contaminated PPE and clothing, contact Emergency Services third party information access – product information and the Material Safety Data Sheet (MSDS) made available
Unit 101 4.1	State how pesticides should be stored		May include: <ul style="list-style-type: none"> maintain stock security to avoid theft and misuse adequate containment facilities careful handling to reduce risk of spillage product segregation to avoid dangerous occurrences
Unit 101 4.2	State how pesticides should be transported		<ul style="list-style-type: none"> maintain stock security to avoid theft and misuse careful handling to reduce risk of spillage adequate containment facilities return unused concentrated pesticide to the store mobile storage is secure and meets current Codes of Practice
Unit 101 5.1	Identify appropriate methods of reducing waste		May include: <ul style="list-style-type: none"> accuracy of all calculations correct calibration of sprayer/applicator correct measuring and mixing of pesticides accurate application
Unit 101 5.2	State how to manage and dispose of surplus pesticides		May include: <ul style="list-style-type: none"> back on to the site/target as long as it is below the maximum dose rate treated by a specialist treatment facility on site (e.g. a lined biobed) collected by a licensed waste disposal contractor returned to supplier if currently approved
Unit 101 5.3	State how to manage and dispose of waste materials		May include: <ul style="list-style-type: none"> dealing appropriately with empty packaging and containers packaging - licensed waste disposal contractor triple rinse containers secure storage until disposal container disposal - licensed waste disposal contractor return to the supplier collected by a licensed waste disposal contractor for disposal if out of approval or suspect in any other way (e.g. counterfeit)
Unit 101 6.1	Identify the records required to comply with legislation and best practice		May include: <ul style="list-style-type: none"> training records environmental assessment records COSHH Assessment records control measure records (RPE) stock records pesticide treatment records waste transfer notes
Unit 101 7.1	Identify the risks to the environment from pesticides		Risks may include: <ul style="list-style-type: none"> pollution of water and the aquatic environment pollution of specially designated areas pollution and destruction of wildlife habitats effect on wildlife from off target application/contamination

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES
Unit 101 7.2	Describe how to carry out pesticide application to minimise the risk to the environment		May include: <ul style="list-style-type: none"> reasonable precautions must be taken to protect the environment application must be confined to the intended target preferred time of day protection of human health and the environment apply only in suitable weather conditions informing neighbours/other interested parties
Unit 101 7.3	Explain appropriate procedures for dealing with environmental contamination		May include: <ul style="list-style-type: none"> dealing with minor spillages – containment , collection and disposal dealing with major spillages – contain if possible, Inform appropriate Environmental Agency and the emergency services dealing with suspected animal/fish poisoning – phone Wildlife Incident Investigation Scheme/appropriate Environment Agency

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 and that the judgement of the Assessor was appropriate.	Tick ✓ <input type="checkbox"/>
I observed an assessment process taking place. The following were noted as areas of concern.	Tick ✓ <input type="checkbox"/>
Signed:	Date: