

City & Guilds Level 2 Award in the Safe Mixing and Transferring of Pesticides (PA8) (0216-80)

Version 1.0 (January 2026)

Qualification Handbook

Candidates are **not** permitted to refer to this document during the practical observation and oral questioning.

Qualification at a glance

Subject area	Pesticides and Pest Control
City & Guilds number	0216-80
Age group approved	16+
Entry requirements	Learners must have achieved the Principles of Safe Handling and Application of Pesticides (PA1) (or equivalent) before being assessed for this qualification
Assessment	This is an independently assessed qualification. To gain this qualification, candidates must successfully achieve the following: one to one practical observation with oral questioning
Grading	Pass/Fail
Approvals	Full approval required
Support materials	Qualification handbook Practical assessment guidance (available via the Assessor secure area of www.nptc.org.uk)
Registration and certification	Consult Walled Garden for last dates

Title and level	City & Guilds qualification number	Regulatory reference number	GLH	TQT
City & Guilds Level 2 Award in the Safe Mixing and Transferring of Pesticides (PA8)	0216-80	610/6554/7	54	60

Version and date	Change detail	Section
1.0 January 2026	Initial version	All

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1 Introduction

This document tells you what you need to do to deliver the qualification.

Area	Description
Who is the qualification for?	The term “pesticides” is defined as any substance, preparation or organism that is prepared for or used to control any pest. The term “pesticide” is used to cover pesticides and Plant Protection Products (PPPs). This qualification is for those individuals whose job involves mixing and transferring professional pesticide products. It is a legal requirement under the Plant Protection Products (Sustainable Use) Regulations (2012) to hold an approved qualification. This qualification is designed specifically for those who wish to mix and transfer pesticides. Achievement of this qualification only permits the candidate to mix and transfer pesticides. Upon completion of this qualification a candidate is not legally able to apply pesticides until a further application of pesticides CoC has been successfully completed.
What does the qualification cover?	This qualification covers: • understanding the legislative, regulatory and Codes of Practice (CoP) requirements relating to mixing and transferring pesticides • reading and interpreting information on a product label • assessing the environmental risks relating to the mixing and transferring site • preparing the mixing and transferring equipment • operating the mixing and transferring equipment • knowing how to carry out post-operational procedures
What opportunities for progression are there?	This qualification will support progression into/sustainment in employment where mixing and transferring pesticides is part of the role. This qualification will also support progression into further learning in pesticides and pest control. City & Guilds offer a range of refreshers in pesticides and pest control. Under the Provision and Use of Work Equipment Regulations (PUWER) it is recommended that individuals have a refresher every 2–5 years.

Each refresher covers the appropriate practical skills required to meet legislation, industry technical standards and industry good practice.

The refresher encourages looking forward and identifying opportunities to learn something new, refresh existing knowledge, improve skills, and keep up to date with the latest developments in a profession or industry.

Who did we develop the qualification with?

Developed with City & Guilds NPTC stakeholders, associates and industry representatives.

Compliance with the requirements of the Health and Safety Executive, Chemical Regulation Division, Voluntary Initiative, Department for Environment, Food and Rural Affairs (DEFRA), and the relevant Environmental Agency.

Is it part of an apprenticeship framework or initiative?

No

Structure

To achieve the City & Guilds Level 2 Award in the Safe Mixing and Transferring of Pesticides (PA8) (0216-80), learners must achieve:

City & Guilds unit number	Unit title	GLH
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Mandatory unit:

Learners **must** achieve the following mandatory unit.

Unit 248	Mixing and transferring pesticides (PA8)	54
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Total Qualification Time (TQT)

TQT is the number of notional hours which represents an estimate of the total amount of time that could reasonably be expected for a learner to demonstrate the achievement of the level of attainment necessary for the award of a qualification.

TQT consists of the following two elements:

- the number of hours that an awarding organisation has assigned to a qualification for guided learning
- an estimate of the number of hours a learner will reasonably be likely to spend in preparation, study or any other form of participation in education or training, including assessment, which takes place as directed by – but, unlike guided learning, not under the immediate guidance or supervision of – a lecturer, supervisor, tutor or other appropriate provider of education or training.

Title and level	GLH	TQT
City & Guilds Level 2 Award in the Safe Mixing and Transferring of Pesticides (PA8) (0216-80)	54	60

2 Centre requirements

Approval

Full approval

To offer this qualification, centres will need to gain both centre and qualification approval. Please refer to the document **Centre Approval Process: Quality Assurance Standards** for further information.

Centre staff should familiarise themselves with the structure, content and assessment requirements of the qualification before designing a course programme.

Resource requirements

Centres

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

Centre Staffing

Staff delivering these qualifications must be able to demonstrate that they meet the following occupational expertise requirements. They must have:

Technical competence

- be occupationally competent or possess technical expertise equivalent to the level of training being delivered.
- experience should reflect current industry standards and practice.

Professional experience

- must have current and relevant experience in the specific subject area being delivered and assessed.

Training delivery

- proven track record of delivering training.

Assessors

Assessors must be approved Certificate of Competence (CoC) City & Guilds NPTC Assessors and **must be independent and cannot have been involved with the training of the candidate.**

Assessors must use the practical assessment guidance which is available via the assessor secure area of **www.nptc.org.uk**.

Assessors must:

- show competence and provide evidence of industry expertise in the qualification(s) they wish to assess
- hold the qualification as a candidate and have been technically evaluated as an assessor
- be up to date with their verification and relevant first aid training.

Demonstrating continuing technically relevant Continuing Professional Development (CPD) with these requirements is a pre-requisite for assessors to remain on the list of approved assessors.

Continuing Professional Development (CPD)

Centres are expected to support their staff in ensuring that their knowledge of the occupational area remains current and of best practice in delivery, mentoring, training, assessment and quality assurance, and that it takes account of any national or legislative developments.

Physical resources

Centres must be able to demonstrate that they have access to the physical resources required to deliver this qualification and its assessments:

Site requirements:

- a dry location for questioning and documentation completion
- a site for calculating and measuring pesticide and water and adding to the mixing and transferring equipment
- a specified area for transferring from the mixing equipment to the applicator

Equipment/Machinery:

Any equipment/machinery used for the delivery or assessment must comply with current legal requirements.

- mixing and transferring equipment and applicator
- Personal Protective Equipment (PPE)/Respiratory Protective Equipment (RPE)
- measuring jug(s)
- calculator
- drip tray
- spillage kit

Documentation:

- product label and/or appropriate EAMU provided by the candidate
- recommendation sheet for the pesticide mix provided by the candidate
- manufacturer's operator's handbook/literature

Consumables:

- first aid kit
- water supply
- simulated pesticide product or actual product may be used if required

Additional information:

Additional information may be sought from the relevant manufacturer's operator's manual, product information or database, or any other publication by the government or a government agency.

Quality assurance

Approved centres must have effective quality assurance systems to ensure optimal delivery and assessment of qualifications. Quality assurance includes initial centre approval, qualification approval and the centre's own internal procedures for monitoring quality. Centres are responsible for internal quality assurance and City & Guilds is responsible for external quality assurance. All external quality assurance processes reflect the minimum requirements for verified and moderated assessments, as detailed in the Centre Assessment Standards

Scrutiny (CASS), section H2 of Ofqual's General Conditions. For more information on both CASS and City & Guilds quality assurance processes visit the **What is CASS?** and **Quality Assurance Standards** documents on the City & Guilds website.

Standards and rigorous quality assurance are maintained by the use of:

- internal quality assurance
- City & Guilds external quality assurance.

In order to carry out the quality assurance role, Internal Quality Assurers (IQAs) must:

- have appropriate teaching and vocational knowledge and expertise
- have experience in quality management/internal quality assurance
- hold or be working towards an appropriate teaching/training/assessing qualification
- be familiar with the occupation and technical content covered within the qualification.

External quality assurance for the qualification will be provided by City & Guilds. External Quality Assurers (EQAs) are appointed by City & Guilds to approve centres, and to monitor the assessment and internal quality assurance carried out by centres. External quality assurance is carried out to ensure that assessment is valid and reliable, and that there is good assessment practice in centres.

The role of the EQA is to:

- provide advice and support to centre staff
- ensure the quality and consistency of assessments and marking/grading within and between centres by the use of systematic sampling
- provide feedback to centres and to City & Guilds.

Learner entry requirements

Learners must have achieved the Principles of Safe Handling and Application of Pesticides (PA1) (or equivalent) before being assessed for this qualification

Centres must ensure that learners have the potential and opportunity to gain the qualification successfully.

Age restrictions

This qualification is approved for learners aged 16 or above.

Access arrangements, reasonable adjustments and special consideration

City & Guilds has considered the design of this qualification and its assessments in order to best support accessibility and inclusion for all learners. City & Guilds understands however that individuals have diverse learning needs and may require reasonable adjustments to fully participate. Reasonable adjustments, such as additional time or alternative formats, may be provided to accommodate learners with disabilities and support fair access to assessment.

Access arrangements are adjustments that allow candidates with disabilities, special educational needs, and temporary injuries to access the assessment and demonstrate their skills and knowledge without changing the demands of the assessment. These arrangements must be made before assessment takes place.

The Equality Act 2010 requires City & Guilds to make reasonable adjustments where a disabled person would be at a substantial disadvantage in undertaking an assessment.

It is the responsibility of the centre to ensure at the start of a programme of learning that candidates will be able to access the requirements of the qualification.

Special consideration is a post examination adjustment to a candidate's mark or grade to reflect temporary injury, illness or other indisposition at the time of the examination/assessment.

Please refer to the documents 'Joint Council for Qualifications (JCQ) Access Arrangements and Reasonable Adjustments', 'JCQ – A Guide to the special consideration process' and 'Access arrangements – When and how applications need to be made to City & Guilds' for more information. All of these are available on the **City & Guilds website**

3 Delivering the qualification

Initial assessment and induction

An initial assessment of each learner should be made before the start of their programme to identify:

- if the learner has any specific training needs
- any support and guidance they may need when working towards their qualification
- any units they have already completed or credit they have accumulated which is relevant to the qualification
- the appropriate type and level of qualification.

We recommend that centres provide an induction programme, so the learner fully understands the requirements of the qualification, their responsibilities as a learner and the responsibilities of the centre. This information can be recorded on a learning contract.

Inclusion and diversity

City & Guilds is committed to improving inclusion and diversity within the way we work and how we deliver our purpose which is to help people and organisations develop the skills they need for growth. More information and guidance to support centres in supporting inclusion and diversity through the delivery of City & Guilds qualifications can be found here: **[Inclusion and diversity | City & Guilds \(cityandguilds.com\)](#)**

Sustainability

City & Guilds are committed to net zero. Our ambition is to reduce our carbon emissions by at least 50% before 2030 and develop environmentally responsible operations to achieve net zero by 2040 or sooner if we can. City & Guilds is committed to supporting qualifications that help our customers to consider sustainability and their environmental footprint.

More information and guidance to support centres in developing sustainable practices through the delivery of City & Guilds qualifications can be found here: **[Our Pathway to Net Zero | City & Guilds \(cityandguilds.com\)](#)**

Centres should consider their own carbon footprint when delivering this qualification and consider reasonable and practical ways of delivering this qualification with sustainability in mind. This could include:

- reviewing purchasing and procurement processes (such as buying in bulk to reduce the amount of travel time and energy and considering and investing in the use of resources that can be reused, instead of the use of disposable or single use consumables)
- waste procedures (ensuring that waste is minimised and recycling is in place wherever possible)
- minimising water use and considering options for reuse/salvage wherever possible.

Support materials

The following resources are available for this qualification:

Description	How to access
Qualification handbook	www.nptc.org.uk
Practical assessment guidance	Available only via the assessor secure area www.nptc.org.uk

4 Assessment

Assessment of the qualification

Candidates must successfully complete:

- one practical observation with oral questioning for **each** registered unit

Unit	Title	Assessment method	Where to obtain assessment materials
Unit 248	Mixing and transferring pesticides (PA8)	Practical observation with oral questioning Externally set, assessed by a City & Guilds NPTC approved assessor, externally verified	Assessors must use the materials provided by City & Guilds. Practical assessment guidance can be downloaded from the assessor secure area of www.nptc.org.uk

Assessment strategy

City & Guilds has written the following assessments to use with this qualification:

- live practical assessment guidance (practical observation with oral questioning) that can be downloaded from the assessor secure area of the NPTC website.

During the assessment the candidate may refer to operator manuals, training materials or safety publications, but they may not refer to the Qualification Handbook (QHB).

Time constraints

The following **must** be applied to the assessment of this qualification:

- Candidates must complete their assessment within 12 months of initial registration.
- Practical observation and oral questioning should take between 1–2 hours.

Summary of responsibilities in preparing for 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 and/or equipment and materials are available to enable assessment of all the activities to take place	To be familiar with the machinery and/or equipment being used for the assessment	Ensuring that the machinery and/or equipment and materials provided satisfy the assessment requirements
	To bring appropriate Personal Protective Equipment (PPE) and/or Respiratory Protective Equipment (RPE) to the assessment	Wearing appropriate PPE and/or RPE. Ensuring that candidate's PPE and/or RPE complies with the requirements of the assessment
	To bring relevant training materials (if applicable)	
	To bring a product label and recommendation sheet appropriate for the assessment	To ensure that the product label and recommendation sheet is appropriate for the assessment (or provide a suitable alternative)

5 Unit

Structure of the unit

The unit has the following:

- City & Guilds reference number
- title
- level
- Guided Learning Hours (GLH)
- credit value
- unit aim
- assessment method
- Learning Outcomes (LOs), which are comprised of a number of Assessment Criteria (ACs)
- supporting information

Guidance for delivery of the unit

This qualification comprises of one **unit**. A unit describes what is expected of a competent person in particular aspects of their job.

Each unit is divided into **Learning Outcomes (LOs)** which describe in further detail the skills and knowledge that an individual should possess.

Each Learning Outcome (LO) has a set of **Assessment Criteria (ACs)** (performance and knowledge and understanding) which specify the desired criteria that must be satisfied before an individual can be said to have performed to the agreed standard.

Supporting information provides guidance of the evidence requirement for the unit, specific guidance on safe practice, and suggested learning resources. Centres are advised to review this information carefully before delivering the unit.

Unit 248 Mixing and transferring pesticides (PA8)

Level:	2
GLH:	54
Assessment method:	Practical observation with oral questioning
Aim:	The purpose of this unit is for learners to safely mix and transfer pesticides

Learning Outcomes

- LO1 Understand the legislative, regulatory and Codes of Practice (CoP) requirements relating to mixing and transferring pesticides
- LO2 Read and interpret information on a product label
- LO3 Assess the environmental risks relating to the mixing and transferring site
- LO4 Prepare the mixing and transferring equipment
- LO5 Operate the mixing and transferring equipment
- LO6 Know how to carry out post-operational procedures

Assessment Criteria	Scope of study
AC1.1 Describe the legislative, regulatory and Codes of Practice (CoP) requirements relating to mixing and transferring pesticides	Assessment Criteria 1.1 Legislative, regulatory and Codes of Practice (CoP) requirements relating to mixing and transferring pesticides: a) Operator's responsibility under legislation: i) Follow product label requirements for correct mixing and transferring of pesticides. ii) Follow employer instructions and training for the mixing and transferring of pesticides. iii) Protect flora and fauna from harm when carrying out work. iv) Ensure public access on foot to area of land is not prohibited/restricted during work unless permission is granted. b) Operator's responsibility under regulations: i) Follow obligations on the use and disposal of Plant Protection Products (PPPs), including packaging. ii) Read, understand and comply with Control of Substances Hazardous to Health (COSHH)/risk assessments and adhere to the control measures put in place. iii) Use, maintain and store Personal Protective Equipment (PPE)/Respiratory Protective Equipment (RPE) as provided and instructed. iv) Follow instructions and training in the use and maintenance of mixing and transferring equipment.

- v) Follow compliance requirements for the management and disposal of waste.
- vi) Be prepared for inspection of PPPs record keeping and storage.
- vii) Know the company policy on how to report Reporting of Injuries, Diseases and Dangerous Occurrences Regulations (RIDDOR) to the HSE (Health and Safety Executive).
- c) Operator's responsibility under Pesticide Code of Practice (CoP) for using Plant Protection Products (PPPs):
 - i) Hold (or be under supervision of a holder of) a specified certificate directly related to mixing and transferring pesticides (Certificates of Competence (CoC)).
 - ii) Mix and transfer pesticides safely and effectively following product information and complying with current legislation.
- d) Work in accordance with the UK Pesticides National Action Plan (NAP):
 - i) Ensure storage, handling and disposal operations do not endanger human health or the environment, comply with inspections, enforcement and other official control activities.

AC1.2 State the requirements for protecting the operator from contamination and physical harm following industry best practice

Assessment Criteria 1.2

Requirements for protecting the operator from contamination and physical harm following industry best practice:

- a) Safety considerations when driving on a public highway:
 - i) Hold the correct category of license.
 - ii) Comply with operator age requirements.
 - iii) Adhere to road/vehicle speed limits.
 - iv) Comply with the highway code.
 - v) Independent brakes coupled together/locked.
 - vi) Instability of vehicle at high speeds.
- b) Safe driving on uneven/sloping terrain:
 - i) Assess ground conditions and slope.
 - ii) Select four-wheel drive (if fitted).
 - iii) Appropriate speed for the terrain.
 - iv) Correct gear selected for terrain to avoid changing gear on slope.
 - v) Effect of changing load on stability.
 - vi) Use of counterbalance weights for stability.
 - vii) Correct turning procedure.
 - viii) Keep centre of gravity as low as possible.

AC2.1 Read and interpret information on a product label

Assessment Criteria 2.1

Information on a product label:

- a) Product information:
 - i) Product name
 - ii) Active substance(s) (ingredients)
 - iii) Product group symbol
 - iv) Approval number
 - v) Reason for use
 - vi) Expiry date/shelf life.
- b) Important information:
 - i) Approved field of use
 - ii) Maximum individual dose.
- c) Safety precautions:
 - i) Operator protection
 - ii) Environmental protection
 - iii) Specific product precautions.
- d) Crop specific information:
 - i) Dose rate
 - ii) Water volume.

Assessment Criteria	Scope of study
	e) Mixing and transferring information: i) Appropriate for applicator ii) Filling iii) Compatibility iv) Label information unique to the product.
AC3.1 Identify environmental risks to the mixing and transferring site and explain how to minimise these risks	Assessment Criteria 3.1 Environmental risks to the mixing and transferring site and how to minimise these risks: a) Environmental factors at risk at the mixing and transferring site: i) Ground conditions. ii) Water courses. iii) Drains. iv) Boreholes. v) Environmental margins/strips/areas. vi) Wildlife. vii) Beneficial insects. viii) Non-target plants. ix) Sensitive crops/areas. x) Hedgerows. xi) Housing. xii) Public access. xiii) Other environmental factors relevant to the site. b) Minimise risks to the mixing and transferring site: i) Suitable mixing/transferring site selected. ii) Monitor weather conditions. iii) Observe environmental margins/strips/areas. iv) Inform neighbours. v) Safe filling procedure. vi) Containment of spillage. vii) Safe storage of pesticide. viii) Erect warning signs.
AC4.1 Identify mixing and transferring equipment components and controls	Assessment Criteria 4.1 Mixing and transferring equipment components and controls: a) Equipment components: i) Main tank ii) Pump iii) Ancillary power source iv) Filling devices v) Inlet and outlet pipes vi) Filters vii) Tank wash system viii) Clean water tank(s) ix) Other components specific to the equipment. b) Equipment controls: i) Filling control ii) Transferring control iii) Agitation control iv) Tank drain v) Other controls specific to the equipment.
AC4.2 Carry out pre-use and operational checks to the mixing and transferring equipment	Assessment Criteria 4.2 Pre-use and operational checks to the mixing and transferring equipment: a) Security of attachment of equipment mechanisms : i) Fasteners tight

Assessment Criteria	Scope of study
	ii) Straps inspected and adjusted iii) Drawbar secure. b) Possible mechanical defects: i) Seized, worn or damaged controls/components. c) Equipment lubrication checks: i) Identification of lubrication points ii) Visual inspection of lubrication points iii) Visual inspection of levels. d) Remove, clean and refit a filter: i) Remove and clean ii) Contain spillage iii) Check for defects iv) Refit. e) Using the controls/control panel to ensure that the equipment is functioning correctly: i) Functions of controls/control panel ii) Recognition of malfunctions before and during operation iii) Switch to manual/test mode. f) Part fill the equipment: i) Suitable site selected ii) Part-fill using an appropriate method.
AC5.1 Measure the required quantities of pesticide and water and add to the mixing and transferring equipment	Assessment Criteria 5.1 Measure the required quantities of pesticide and water and add to the mixing and transferring equipment: a) Interpret instructions from the recommendation sheet for required quantities of pesticide and water: i) Identification of correct instructions from the recommendation sheet. ii) Correct interpretation of instructions. b) Measure quantities of pesticide and water and add to the equipment: i) Correct selection and use of Personal Protective Equipment (PPE)/Respiratory Protective Equipment (RPE) (as required by the product label and/or Control of Substances Hazardous to Health (COSHH)/risk assessment) ii) Manual handling considerations iii) Correct mixing sequence iv) Adequate agitation v) Suitable site selected with provision for containment and access to a spill kit vi) Accurate measurement of pesticide and water vii) Correct filling procedure viii) Avoidance of spillage ix) Return concentrate pesticide to secure storage.
AC5.2 Carry out safe and accurate transferring procedures	Assessment Criteria 5.2 Safe and accurate transferring procedures: a) Safe and accurate transferring procedures: i) Determine requirement from instructions ii) Correct amount transferred iii) Safe procedure iv) Avoidance of spillage. b) Confirmation of mixing and transferring as per the recommendation sheet must be: i) Accurate ii) Legible.

Assessment Criteria**Scope of study**

AC6.1 Explain how to manage and dispose of surplus dilute pesticide

Assessment Criteria 6.1

Managing and disposing of surplus dilute pesticide:

- a) Managing surplus dilute pesticide:
 - i) Below the maximum dose rate: apply to the original application target/site.
 - ii) At maximum dose rate: apply to another untreated approved target/site.
- b) Disposing of surplus dilute pesticide:
 - i) Treated by a specialist treatment facility on site.
 - ii) Collected by a licensed waste disposal contractor.

AC6.2 Explain how to clean, decontaminate and store the mixing and transferring equipment

Assessment Criteria 6.2

Cleaning, decontaminating and storing the mixing and transferring equipment:

- a) Cleaning and decontaminating the equipment:
 - i) Reducing the risk of personal contamination:
 - select and use appropriate Personal Protective Equipment (PPE)/Respiratory Protective Equipment (RPE).
 - ii) Reducing the risk of environmental contamination:
 - appropriate site.
 - transfer washings to applicator
 - safe disposal of contaminated washings.
 - iii) Effective cleaning and decontamination:
 - ensure the mixing and transferring system is made safe
 - care to ensure contamination 'hot spots' are clean.
 - thorough washing of internal and external surfaces with water and suitable cleaning agent.
 - thorough flushing of systems.
 - iv) When cleaning of the equipment should take place
 - after the mixing and transfer is completed.
 - if changing to a different product.
 - to avoid equipment damage from pesticide.
 - to carry out maintenance.
- b) Storage requirements for the equipment:
 - i) Refer to manufacturer's handbook.
 - ii) Clean and dry.
 - iii) Inspect for wear and damage.
 - iv) Replace any worn or damaged parts.
 - v) Frost protection measures implemented.
 - vi) Lubricate.
 - vii) Undercover and out of direct sunlight.
 - viii) Leave in a stable position.
 - ix) In a secure area.

Supporting information

Evidence requirements

Practical observation and oral questioning by a City & Guilds NPTC approved assessor.

A prepopulated Record Of Assessment (ROA) must be completed by the assessor following an assessment. **All** Assessment Criteria (AC) must be completed as either 'met' or 'not met' for each outcome on the ROA.

The assessment(s) can be achieved at **pass** only. **All** Assessment Criteria (AC) must be met to achieve a pass result, if any AC is not met the candidate is unsuccessful and will fail the assessment.

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.

Unit guidance

The delivery of this qualification should be carried out in a real-life working environment with a suitable site with crop and/or target.

Learners should be familiar with all equipment and machinery that they are going to operate.

Provision must be made to comply with environmental and sustainability regulations and standards; segregation of resources for reuse, recycling and disposal should be implemented.

New technologies should be included within delivery of this qualification to allow learners to practise without wasting products. Artificial intelligence (AI) and virtual reality (VR) could also be used to deliver knowledge and practical sessions.

It is recommended that the delivery integrates visits/engagement with local industry and employers to ensure that the implementation of legislation, policies, codes of practice and industry best practice are up to date.

Safe practice

The assessor and candidate must wear Personal Protective Equipment (PPE) and, if required, Respiratory Protective Equipment (RPE) during the practical activities.

Assessors must ensure a site-specific risk assessment is carried out and sufficient control measures are implemented.

A First Aid kit meeting current regulations, of the appropriate size for the number of persons on site, must be available.

All equipment and/or machinery used in the delivery and assessment of the qualification must comply with manufacturer's guidelines and the relevant requirements of the Provision and Use of Work Equipment Regulations (PUWER) 1998. Equipment and/or machines must be used/operated in such a way that the learner, assessor, other persons and/or equipment and/or machinery are not endangered.

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.

Suggested learning resources

Health and Safety Executive (HSE) information sheet AIS16 & AIS22 Available via:
<https://www.hse.gov.uk/pubns/ais16.htm>

National Sprayer Testing Scheme (NSTS). Available via:
<https://www.nsts.org.uk/Documents-Links>

Pesticides Code of Practice. Available via: **<https://www.hse.gov.uk/pesticides/using-pesticides/codes-of-practice/code-of-practice-for-using-plant-protection-products.htm>**

The Official Controls (Plant Protection Products) Regulations 2020. Available via:
<https://www.legislation.gov.uk/uksi/2020/552/contents>

UK Pesticides National Action Plan 2025: Working for a more sustainable future. Available via:
<https://www.gov.uk/government/publications/uk-pesticides-national-action-plan-2025/uk-pesticides-national-action-plan-2025-working-for-a-more-sustainable-future>

Voluntary Initiative. Available via: **<https://voluntaryinitiative.org.uk/>**

Additional information may be sought from the relevant manufacturer's operator's manual, product information or database, or any other publication by the government or a government agency.

Appendix 1 Sources of general information

The following documents contain essential information for centres delivering City & Guilds qualifications. They should be referred to in conjunction with this handbook. To download the documents and to find other useful documents, go to www.cityandguilds.com or click on the links below:

Centre handbook: quality assurance standards

This document is for all approved centres and provides guidance to support their delivery of our qualifications. It includes information on:

- centre quality assurance criteria and monitoring activities
- administration and assessment systems
- centre-facing support teams at City & Guilds/ILM
- centre quality assurance roles and responsibilities.

The centre handbook should be used to ensure compliance with the terms and conditions of the centre contract.

Centre assessment: quality assurance standards

This document sets out the minimum common quality assurance requirements for our qualifications that feature centre-assessed components.

It incorporates our expectations for centre internal quality assurance and the external quality assurance methods we use to ensure that assessment standards are met and upheld. It also details the range of sanctions that may be put in place when centres do not comply with our requirements or actions that will be taken to align centre marking/assessment to required standards. Additionally, it provides guidance on administering portfolios and controlled assessments, including a definition of supervised conditions.

Access arrangements: when and how applications need to be made to City & Guilds

This provides full details of the arrangements that may be made to facilitate access to assessments and qualifications for candidates who are eligible for adjustments in assessment.

The **centre document library** also contains useful information on such things as:

- conducting examinations
- registering learners
- appeals and malpractice.

Useful contacts

Please visit the **contact us** section of the City & Guilds website.

City & Guilds

City & Guilds is the global skills partner, empowering people, organisations and economies to develop the skills they need for growth. With almost 150 years of trusted expertise, we support people into work, help them develop on the job and move into the next job.

We work with Governments, employers, training providers, colleges and industry stakeholders to design and deliver high-quality training, qualifications, assessments and credentials that lead to meaningful career progression. We understand the life changing link between skills development, social mobility and success. Our solutions span critical sectors including construction, engineering, transport, energy and electrical, serving over 1 million learners annually.

Through our comprehensive portfolio of brands and trusted global network, we set industry-wide standards for technical, behavioural and commercial skills to improve performance and productivity. We believe you can achieve your potential - and we're here to help make it happen.

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City & Guilds
Giltspur House
5–6 Giltspur Street
London
EC1A 9DE

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