CITY & GUILDS LEVEL 2 AWARD IN THE SAFE TREATMENT OF SEEDS WITH **PESTICIDES (PA11) 601/5150/X**



QUALIFICATION GUIDANCE

Independently Assessed

Essential Qualification Information

Not to be used by the Candidate during Assessment

You will require some of this information to accurately complete the Record of Assessment (ROA)

Qualification Group No	0 2 1 6	Pesticides
Qualification Programme No	0 2 1 6 - 5 9	L2 Award in the Safe Treatment of Seeds with Pesticides (PA11)
Unit(s)	2 0 1	Treating Seeds with Pesticides (PA11) (D/505/7762)
Guided Learning Hours-(GLH)	2 0 1	GLH 28 (Credit Value 3)
Total Qualification Time (TQT)		30 Hours
Recommended Assessment Duration		1.5 – 3 hours per Candidate
Pre-Requisite Units	1 0 1	Principles of Safe Handling and Application of Pesticides (PA1)

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

City & Guilds Level 2 Award in the Safe Treatment of Seeds with Pesticides (PA11) 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 consists of one compulsory unit:

Unit 201 (PA11) (Mandatory) (Credit Value 3)

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 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 the treatment equipment (Criteria 4.1 – 4.6)

Outcome 5. Be able to use the equipment (Criteria 5.1 – 5.3)

Outcome 6. Know how to carry out post-operational procedures (Criteria 6.1 – 6.3)

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.

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

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

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

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

Validation of Equipment

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

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

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

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

Safe Practice

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

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

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

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

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

Information

During the assessment the candidate may refer to operator manuals, training materials or safety publications, but they 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 candidates capabilities and judging whether that evidence is sufficient to attribute competence.

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

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

The Qualification Guidance contains criteria relating to:

- Observation of practical performance
- Assessment of underpinning knowledge

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Unit 201 – Treating Seeds with Pesticides (PA11)

		•	•								
Candidate	A Name:		Date	e:		Start Time:	Dura	ation	1:		
Candidate	B Name:		Date	e:		Start Time:	Dura	ation	1:		
Candidate	C Name:		Date	e:		Start Time:	Duration:				
Candidate	e D Name:		Date	e :		Start Time:	Dura	ation	1:		
CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE				SSESSMENT ACTIVITIES		C/	ANDI B	IDA1 C	ΓE
Unit 201	Describe the legal requirements relating to treating seeds with pesticide	Candidate to describe two operator's obligations in terms of legal requirement	s	•	include: all required guar complies with leg	ds are in place and equipmo gal requirements elevant road traffic regulatio					
					when operating on the contraction of the contraction with the contraction of the contract	or transporting on the public					
					(Sustainable Use	Plant Protection Products a) Regulations 2012 st hold the appropriate					
						ne equipment they are usinç Met√ Not I					
	Describe how to treat	Candidate to describe on	_	Mayri	include:	INIGET NOT	MICLY	ᆜ	Ш	닏	닏
Unit 201	Describe how to treat seeds with pesticides safely following industry	operator safety regulation terms of using seed treatm	in (•	comply with Pes	ticide Codes of Practice					
1.2	best practice	equipment				est practice including the Treatment Assurance scher	me				
		Candidate to state two factors that need to be	•			safety implications imposed sessment and comply with					
		considered when selecting site for mobile plant	•	•	include: level site						
					ground condition						
			'		access for suppo	ort vehicles/equipment					
						Met ✓ Not I	Met X	Ш	Ш	Ш	Ш
Unit 201	Identify risks to the environment	Candidate to identify all relevant risks to the		•	include:						
		environment for the			water courses drains						
2.1		application site			boreholes						
				•	wildlife/livestock/	domestic animals					
			•	•	hedgerows						
			•		housing						
					public access/co						
					wind speed & dir						
			'	•	other risks speci						
			.			Met ✓ Not I	Met X	닏	Ш	닏	닏
Unit 201	Explain how to minimise risks to the environment	Candidate to explain how minimise the risks identifie	٦	-	anation to include use of an approp	e the following points:					
		in 2.1	'			ain application rate					
2.2					avoid 'exhaust' d	• •					
					erect warning sig						
						e neighbours/co-workers					
				•	check wind spee	d & direction					
						Met ✓ Not I	Met X				

CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	C.	AND B	IDA1	TE D
11	Read product information	The candidate is required to	The following to be tested:				
Unit 201	Interpret product	read and interpret the information on a product label	product name				
3.1	information	and provide relevant	active ingredient(s)				
Unit 201		information as requested by the Assessor	Important information:				
		Note to the Assessment A	field of use				
3.2		Note to the Assessor: A product label is required. It is	crop/variety maximum individual dose				
		expected that the candidate	maximum individual dose				
		will provide the product label	specific product precautions/warnings				
		The label provided must be	operator protection				
		for a currently approved product and appropriate to	environmental protection				
		the candidates normal work	restrictions on use				
		situation	Crop specific information:				
		Note to the Candidate	• crop				
		(Assessor also to note): It is	dose rate				
		acceptable for key information on the label to be	water addition (if applicable)				
		highlighted for use during the	(чр-р)				
		assessment	Met ✓ Not Met X	Ш	Ш	Ш	
	Identify the treatment	Candidate to identify all	May include:				
Unit 201	equipment components & controls	components & controls relating to the treatment	pesticide containers				
4.1	CONTROIS	equipment being used for the	• pumps				
		assessment	• filters				
			• hoses				
			connectionsmetering devices				
			batch/flow controls				
			mixer/incorporation system				
			engineering controls to minimise contamination				
			control panel (including isolation controls)				
			Met ✓ Not Met X				
	Carry out pre-use checks	Candidate to carry out all	May include:				
Unit 201	to the equipment	pre-use checks relevant to the treatment equipment	guards in place and in good condition				
4.2		being used	visual inspection of pipe work				
			checking of electrical safety devices (microswitches)				
			free rotation of mixing bowls/application discs				
			free adjustment of metering devices				
			exhaust system functioning correctly				
			testing function of all control panel witches (verying lights)				
			switches/warning lights				
	A P 4 40 41	T	Met ✓ Not Met X	Ш	Ш	Ш	닏
Unit 201	Adjust settings on the equipment	The candidate is required to adjust settings on the	May include: • adjusting metering devices				
		equipment	setting of timers				
4.3			settings of pressure/vacuum				
			setting equipment into test mode				
			Met ✓ Not Met X				
	Calibrate the equipment	Candidate is required to	May include:				
Unit 201	and record relevant data	calibrate the treatment	setting dose rate				
4.4		equipment	setting batch or flow rate				
			 running equipment in test mode (Engineer's settings do not need proving) 				
			proving of correct dose				
		Ormalidate to at 4 th					
		Candidate to state three items of calibration data that	May include:				
		should be recorded	pesticide product being used crop/variety being treated				
			batch timings				
			metering device setting(s)				
			• flow rate				
			Met ✓ Not Met X				
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CRITERIA NUMBER	ASSESSMENT CRITERIA	ASSESSOR GUIDANCE	ASSESSMENT ACTIVITIES	C	AND B	IDA ⁻	TE D
Unit 201	Calculate the quantities of	Candidate to calculate the	May include:				
4.5	pesticide and water required	amount of pesticide and water (if applicable) required for a stated quantity of seed	amount of pesticide required for stated quantity of seed				
4.5		(if applicable) added	amount of water required for stated quantity of seed				
		(ii applicable) added	Met ✓ Not Met X				
Unit 201 4.6	Measure or weigh the required quantities and add to the treatment equipment	Candidate to measure or weigh quantities required for the quantity stated in 4.5 (normally only appropriate for	To include: correct selection and use of PPE/RPE (as required by the product label and/or COSHH/Risk Assessment)				
		small trials equipment)	observance of pesticide manufacturers instructions for mixing sequence				
			suitable site selected				
			clean water supplyaccurate measurement of water				
			accurate measurement of pesticide				
			use of filling device (if fitted)				
			avoidance of spillage				
	Damanaturata arta 0	0	Met ✓ Not Met X	Ш	Ш	Ш	Ш
Unit 201	Demonstrate safe & accurate treatment procedures	Candidate to operate and monitor the treatment equipment	May include: operate controls to apply the product accurately correct use of PPE/RPE				
5.1			safe handling of treated seed				
			avoidance of spillage				
			maintain application rate appropriate to seed variety correct labelling				
	Carry out all activities	Note to the Assessor:	Met ✓ Not Met X To include:		Ш	Ш	
Unit 201 5.2	protecting human health & the environment	Assessor to be satisfied that the candidate has carried out all activities protecting human health and the environment	prevention of personal injury and contamination through correct selection and use of access equipment, PPE/RPE (as required by the product information and/or COSHH/Risk Assessment)				
			 prevention of public/co-worker contamination safe filling procedure 				
			avoidance of over dosing/under dosing seed				
			Met ✓ Not Met X				
Unit 204	Complete a treatment	Candidate is required to	Completion of the treatment record must be:				
Unit 201	record	complete a treatment record	accurate legible (if handwritten)				
5.3		Note to the Assessor: The treatment record must be approved by the Assessor (or supplied by the Assessor if necessary)	Met ✓ Not Met X				
Unit 201	Explain how to manage surplus pesticide and	Candidate to explain one method of dealing with	May include: return to temporary mobile store				
6.1	dispose of waste material	surplus concentrate pesticide	return to fixed store				
		Candidate to explain two methods of dealing with	Containers: triple rinsed (if applicable)				
		waste containers or packaging	placed in secure storage until disposal				
			returned to supplier collected by a licensed waste disposal contractor				
			Packaging:				
			thoroughly emptied				
			 placed in secure storage until disposal collected by a licensed waste disposal contractor 				
		Candidate to explain one method of dealing with	May include: use on another approved seed				
		surplus dilute pesticide	treated by specialist treatment facility on site (e.g. a lined bio bed)		_		
			collected by a licensed waste disposal contractor				
			Met ✓ Not Met X				
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CRITERIA	ASSESSMENT	ASSESSOR	ASSESSMENT	C	AND	IDAT	ſΕ
NUMBER	CRITERIA	GUIDANCE	ACTIVITIES	Α	В	С	D
	Explain how to clean and	Candidate to explain what	May include:				
Unit 201	decontaminate the	factors need to be considered	 when cleaning should take place 				
6.2	treatment equipment	when cleaning the treatment equipment	 selection and use of correct PPE 				
0.2		oquipmoni	 method(s) of de-contamination 				
			 contaminated cleanings suitably packaged & labelled 				
			 thorough flushing of pipe work 				
			frequency of cleaning				
			dealing with spillages				
			safe procedures followed				
			Met ✓ Not Met X				
	Describe the storage	Candidate to describe two	May include:				
Unit 201	requirements for the seed	factors to consider when	 ensuring equipment is made mechanically safe 				
6.3	treatment equipment	'storing' the equipment	 ensuring equipment is electrically isolated 				
0.5			 frost protection measures implemented 				
			Met ✓ Not Met X				

Summary of Assessment	(The Asse	ssor is to co	mplete the	following as	appropriate
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Candidate A	Candidate has met all of the assessment criteria	Tick ✓	The Candidate has not met all of the assessment criteria; (state reason(s))	Tick ✓				
	Signed: D	ate:						
Candidate B	Candidate has met all of the assessment criteria	Tick ✓	The Candidate has not met all of the assessment criteria; (state reason(s))	Tick ✓				
	Signed: D	ate:						
Candidate C	Candidate has met all of the assessment criteria	Tick ✓	The Candidate has not met all of the assessment criteria; (state reason(s))	Tick ✓				
	Signed: D	Date:						
Candidate D	Candidate has met all of the assessment criteria	Tick ✓	The Candidate has not met all of the assessment criteria; (state reason (s))	Tick ✓				
	Signed:	Date:						
For (Int	For use by Internal Verifier ONLY if the assessment process was internally verified (Internal Verifier to complete ONE of the boxes below)							
I ob	I observed an assessment process taking place and I am satisfied that the assessment was conducted in line with the qualification requirements.							
l ob	I observed an assessment process taking place. The following were noted as areas of concern.							
Signed: Date:								