

NPTC
by City & Guilds

QUALIFICATION:	Pesticides – PA13 Sub-Surface Application	Qualification Code:	0216-61				
		Units:	275				
Assessor Name:		Technical Verifier Name:					
Assessor BP No: NEW? DOB:		Technical Verifier BP No:					
Assessor Email:		Start Time:					
Invoice To: (Include Centre name if applicable)		End Time:					
CRITERIA: (Please refer to the following pages and current Qualification Guidance)		PERFORMANCE EVALUATION (Circle):		JUSTIFICATION:			
M/C test paper to check PA1 knowledge and specific industry best practice <i>(new assessors only)</i>		1		4	5	5 = Pass with 20/20 4 = Pass with 18/20 or 19/20 1 = Fail	
Knowledge of H&S regulations and industry best practice. Carry out SSRA, COSHH and environmental assessment		1	2	3	4	5	
Knowledge of range of applicators (including pump types, controls & components)		1	2	3	4	5	
Knowledge of machine preparation & safe driving considerations, including immediate area contamination		1	2	3	4	5	
Knowledge of operator protection and PPE standards		1	2	3	4	5	
Preparation & maintenance of soil engaging components		1	2	3	4	5	
Interpretation of an appropriate product label		1	2	3	4	5	
Carry out a calibration appropriate to the applicator (without use of calibration sheet/aids)		1	2	3	4	5	
Read a range of different measuring vessels		1	2	3	4	5	
Measure, mix and fill applicator. Carry out an application. Knowledge of site marking options		1	2	3	4	5	
Knowledge of soil sealing options		1	2	3	4	5	
Knowledge of cleaning/decontamination/disposals. Complete an application record		1	2	3	4	5	
Assessment techniques <i>(new assessors only)</i>		1	2	3	4	5	
PERFORMANCE EVALUATION COLUMN TOTALS:							= TOTAL SCORE:
Result of Technical Evaluation (tick):	MET	TOTAL SCORE REQUIRED TO ACHIEVE ASSESSOR STATUS:					52
	NOT MET	(NB. ACHIEVED IN PERFORMANCE EVALUATION COLUMNS 4 & 5 ONLY) <i>If an existing PA Assessor then please adjust total score required to 44</i>					
ACTION PLAN FOR ASSESSOR:							
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ASSESSOR COMMENTS:							
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TECHNICAL VERIFIER SIGNATURE:						COST: £200 Half Day £300 Full Day	DATE:
ASSESSOR SIGNATURE:							

TECHNICAL EVALUATION RECORD

0216-61 L2 Award in the Safe Sub Surface Application of Liquid Pesticides (PA13)

Unit 221 Operating Sub Surface Equipment for Application of Pesticides (PA13)

M/C test paper to check PA1 knowledge and specific industry best practice

- ☐ Minimum score of 18/20 achieved.

(Please note: this paper only needs to be completed by new PA assessors).

Knowledge of H&S regulations and industry best practice

Key principles and practical relevance:

- ☐ Health and Safety at Work etc. Act 1974 (HASAWA)
- ☐ Management of Health and Safety at Work Regulations 1999 (MHSWR)
- ☐ Provision and Use of Work Equipment Regulations 1998 (PUWER)
- ☐ Personal Protective Equipment at Work Regulations 1992 (PPE Regs)
- ☐ Control Of Substances Hazardous to Health Regulations (COSHH)
- ☐ The Health and Safety (First Aid) Regulations 1992
- ☐ Reporting of Injuries Diseases Dangerous Occurrence Regulations (RIDDOR)
- ☐ Wildlife and Countryside Act 1981
- ☐ Countryside and Rights of Way Act 2000

- ☐ Sustainable Use (PPP) regulations
- ☐ Pesticides Code of Practice
- ☐ 2 sources of industry best practice
- ☐ Operator certification
- ☐ Risk assessments
- ☐ Condition and guarding of equipment

Carry out COSHH assessment

- ☐ Using template provided or an approved template

Carry out SSRA

- ☐ Assessor to complete a Site Specific Risk Assessment, using provided template.
- ☐ Header and footer.
- ☐ Hazards and controls relative to site, task and equipment.

Carry out environmental assessment

- ☐ Environmental risks to site identified
- ☐ Methods to minimise risks explained.
- ☐ Additional risks not identified on site, (that may occur in typical assessment situations) to be discussed.

Knowledge of a range of MMA (including pump types, liquid/air flow, controls, components, induction systems)

Applicable to equipment used for the TE and questioning to cover knowledge of variations:

- ☐ Operating controls
- ☐ Applicator components
- ☐ Common pump types
- ☐ Liquid delivery system
- ☐ Liquid flow
- ☐ Operating differences between fixed forward speed and variable forward speed (rate controller) applicators

Knowledge of machine preparation and safe driving considerations

- ☐ Pre-use checks to prime mover
- ☐ Compatibility and security
- ☐ Safe driving
- ☐ Contact with obstacles
- ☐ Ways to avoid contamination of the immediate area.

Knowledge of operator protection, sealed cab/open platform and PPE requirements and standards

- ☐ Operator protection – sealed cab
- ☐ Operator protection – open cab/canopy/platform
- ☐ CE and EN markings-relevance
- ☐ Coverall specifications –Type 4/5/6
- ☐ Glove specification
- ☐ Face shield
- ☐ Boot specification
- ☐ RPE – types and reasons

Preparation & maintenance of soil engaging components

- ☐ Tines/shares serviceable
- ☐ Correct attachment
- ☐ Spacing

Interpretation of one appropriate product label

- ☐ Product label 1

Carry out a calibration appropriate to the applicator (without use of calibration sheet/aids)

- ☐ Calibration method 1 (carried out):
 - Application volume
 - Amount of water for area
 - Amount of pesticide for area
 - Amount of pesticide for full tank

Read a range of different measuring vessels

To be read in millilitres and litres.

- ☐ Large jug (water).
- ☐ Small jug (chemical).
- ☐ Cylinder.
- ☐ Knowledge of how to accurately measure powders/granules.

Measure, mix and fill applicator

- ☐ Suitable site selected
- ☐ Correct PPE used
- ☐ Safe use of water supply
- ☐ Accurate measurement of water (allowing for pesticide volume) and pesticide.
- ☐ Correct cleaning procedure of pesticide measuring vessel.
- ☐ Avoidance of spillage. Drip tray used.

Carry out an application. Knowledge of site marking options

- ☐ Site marking options (to ensure accurate application)
- ☐ Safe and accurate application carried out
- ☐ Procedure for blocked delivery system during application
- ☐ Procedure for refilling during application

Knowledge of soil sealing options

- ☐ Securely attached
- ☐ Pressure adjustment
- ☐ Roller speed adjustment
- ☐ Film dispenser (if fitted)

Knowledge of cleaning/decontamination/disposals ☐

Surplus dilute, disposal

- ☐ Washing procedure explained
- ☐ Washings, disposal
- ☐ Empty container/packaging, washing, storage and disposal (Crop Protection Association Best Practice Guide 'Container Cleaning' 2012)

Complete an application record

- ☐ Application record correctly completed

Assessment techniques

- ☐ Clear and concise questions/instructions
- ☐ Question/instruction relative to unit.

(Please note: this section only needs to be completed by new PA assessors).

Note: If an existing PA assessor is adding this as a new unit, the M/C test paper and assessment technique sections do not need to be completed.

Total score required (on front sheet) can be adjusted to 44.