

Technical Evaluation Record V3 Jan22



QUALIFICATION:	Pesticides – PA7 Aerial Application	Qualification Code:	0216-55 (Ind)			
		Units:	161			
Assessor Name:		Technical Verifier Name:				
Assessor No: NEW? DOB:		Technical Verifier 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 pesticide 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 differing aircraft application equipment		1	2	3	4	5
Knowledge of differing aircraft lift capacities		1	2	3	4	5
Knowledge of CAA license requirements. Knowledge of pre-flight clearances required		1	2	3	4	5
Familiarity with neighbour notification requirements		1	2	3	4	5
Knowledge of operator protection, PPE requirements and standards		1	2	3	4	5
Interpretation of two appropriate product labels		1	2	3	4	5
Ability to read range of differing measuring vessels		1	2	3	4	5
Calibrate the applicator (without use of calibration sheet/aids)		1	2	3	4	5
Knowledge of appropriate nozzles for aerial application & related information charts		1	2	3	4	5
Ability to provide robust ground crew safety briefing		1	2	3	4	5
Knowledge of drift reduction methods		1	2	3	4	5
Carry out measuring and mixing		1	2	3	4	5
Carry out/observe an application. Knowledge of site marking options		1	2	3	4	5
Knowledge of cleaning/decontamination/disposals. Complete a treatment 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:				68
	NOT MET	(NB. ACHIEVED IN PERFORMANCE EVALUATION COLUMNS 4 & 5 ONLY) <i>If an existing PA Assessor then please adjust total score required to 60</i>				
ACTION PLAN FOR ASSESSOR:						

ASSESSOR COMMENTS:

Please continue on reverse if necessary

TECHNICAL VERIFIER SIGNATURE:

COST:

DATE:

£200 Half Day

£300 Full Day

ASSESSOR SIGNATURE:

TECHNICAL EVALUATION RECORD

0216-55 L2 Award in the Safe Application of Pesticides from the Air (PA7)

Unit 161 Operation of Aircraft Mounted Sprayers to Apply Pesticides from the Air (PA7)

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
- Using best available drift reducing technology
- Aircraft lift capacity
- Permitted load weight
- CAA licence

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.
- statutory notification of neighbours before application
- Additional risks not identified on site, (that may occur in typical assessment situations) to be discussed.

Knowledge of differing aircraft application equipment

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

- Operating controls
- Applicator components
- Common pump types
- Liquid flow
- Air flow (if applicable)
- Emergency dump valve

Knowledge of differing aircraft lift capacities

- Information from manufacturer

Knowledge of CAA license requirements. Knowledge of pre-flight clearances required

- CRD permit
- Local authority
- Natural England
- Scottish Natural Heritage
- Natural Resources Wales
- Appropriate Environmental Agency
- Water supply companies
- National Air Traffic Control

Familiarity with neighbour notification requirements

- State who must be notified

Knowledge of operator protection, PPE requirements and standards

- CE and EN markings – relevance
- Coverall specifications – Type 4/5/6
- Glove specification
- Face shield
- Boot specification
- RPE – types and reasons

Interpretation of two appropriate product labels

- Product label 1
- Product label 2

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.

Calibrate the applicator (without use of calibration sheet/aids).

- Calibration method (carried out):
 - Application volume
 - Amount of water for area
 - Amount of pesticide for area
 - Amount of pesticide for full tank
- Knowledge of differing calibration procedures – particularly in view of possible use of Imperial/US units of measurement

Knowledge of appropriate nozzles for aerial application & related information charts

- Pencil jet – coarse spray quality. Generally used to apply herbicides
- Rain-drop – coarse spray quality. Good drift reduction properties
- Spinning Disc (CDA) – ultra fine spray quality. Suitable for insecticide application

Ability to provide robust ground crew safety briefing

- Ground crew briefed according to standard operating procedures

Knowledge of drift reduction methods

- Weather conditions
- Direction of spraying
- Nozzle type and size
- Pressure
- Flight speed
- Operating height

Carry out measuring and mixing.

- 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/observe an application. Knowledge of site marking options

- Site marking options (to ensure accurate application)
- Safe and accurate application carried out – minimum 3 bouts
- Procedure for blocked nozzle during application
- Procedure for refilling during application
- If observation carried out then full observational report to be provided to Technical Verifier

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 a treatment record

- Treatment 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 60.