

# Technical Evaluation Record

V4 Sept25



<b>QUALIFICATION:</b>	Pesticides - PA2C Air/Fluid Nozzle Horizontal Boom Sprayer	<b>Qualification Code:</b>	0216-50			
		<b>Units:</b>	234			
<b>Assessor Name:</b>		<b>Technical Verifier Name:</b>				
<b>Assessor BP No:</b> <b>NEW? DOB:</b>		<b>Technical Verifier BP No:</b>				
<b>Assessor Email:</b>		<b>Start Time:</b>				
<b>Invoice To:</b> (Include Centre name if applicable)		<b>End Time:</b>				
<b>CRITERIA: (Please refer to the following pages and current Qualification Guidance)</b>		<b>PERFORMANCE EVALUATION (Circle):</b>	<b>JUSTIFICATION</b>			
M/C test paper to check PA1 knowledge and specific industry best practice <i>(new assessors only)</i>		1 <input type="checkbox"/> <input type="checkbox"/> 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, liquid/air flow, controls, components, induction systems)		1   2   3   4   5				
Knowledge of machine preparation and safe driving considerations		1   2   3   4   5				
Knowledge of operator protection, sealed cab/open platform and PPE requirements and standards		1   2   3   4   5				
Knowledge of a range of nozzles/restrictors appropriate to applicator and relevant chart interpretation		1   2   3   4   5				
Interpretation of two appropriate product labels		1   2   3   4   5				
Calibrate the applicator (without use of calibration sheet/aids).		1   2   3   4   5				
Complete calibration test paper		1 <input type="checkbox"/> <input type="checkbox"/> 4   5	5 = Pass with 100% 4 = Pass with <100%   1 = Fail			
Knowledge of drift reduction methods		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 cleaning/decontamination/disposals. Complete an application record.		1   2   3   4   5				
Assessment techniques <i>(new assessors only)</i>		1   2   3   4   5				
<b>PERFORMANCE EVALUATION COLUMN TOTALS:</b>					<b>= TOTAL SCORE:</b>	
<b>Result of Technical Evaluation (tick):</b>	<b>MET</b>	<b>TOTAL SCORE REQUIRED TO ACHIEVE ASSESSOR STATUS:</b> <b>(NB. ACHIEVED IN PERFORMANCE EVALUATION COLUMNS 4 &amp; 5 ONLY)</b> <i>If an existing PA Assessor then please adjust total score required to 44</i>				<b>52</b>
	<b>NOT MET</b>					
<b>ACTION PLAN FOR ASSESSOR:</b>   <div style="text-align: right;"><i>Please continue on reverse if necessary</i></div>						
<b>ASSESSOR COMMENTS:</b>   <div style="text-align: right;"><i>Please continue on reverse if necessary</i></div>						
<b>TECHNICAL VERIFIER SIGNATURE:</b>				<b>COST:</b> £200 Half Day £300 Full Day	<b>DATE:</b>	
<b>ASSESSOR SIGNATURE:</b>						

## **TECHNICAL EVALUATION RECORD**

**0216-50** Level 2 Award in the Safe Application of Pesticides Using Self Propelled, Mounted, Trailed Horizontal Boom Sprayers (PA2)

**Unit 112** Operating Mounted, Trailed and Self Propelled Air / Fluid Nozzle Horizontal Boom Sprayers (PA2C)

### **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 applicators (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 flow
- ☐ Air flow

### **Knowledge of machine preparation and safe driving considerations**

- ☐ Pre-use checks to prime mover
- ☐ Compatibility and security
- ☐ Safe driving
- ☐ Contact with obstacles (e.g. overhead power lines)

### **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 -Type4/5/6
- ☐ Glove specification
- ☐ Face shield
- ☐ Boot specification
- ☐ RPE – types and reasons

### **Knowledge of a range of nozzle restrictors appropriate to applicator and relevant nozzle chart interpretation**

- ☐ Green (35) - 50-120 l/ha. Low volume application
- ☐ Blue (40) - 60-150 l/ha. Medium volume application
- ☐ Yellow (50) - 90-250 l/ha. High volume application
- ☐ Flood jets  
(Please note: Assessor to identify nozzle restrictor, explain when it would be used and interpret the markings. Additional detail can be obtained / interpreted from an appropriate nozzle chart.

### **Interpretation of two appropriate product labels**

- ☐ Product label 1
- ☐ Product label 2

### **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

### Complete calibration test paper

- ☐ Calibration test paper successfully completed  
*Note to TV: The assessor is expected to complete all the calibration test paper exercises. A marking sheet range has been produced to allow for variations in methods used and rounding up/down.*

### Knowledge of drift reduction methods

- ☐ Weather conditions
- ☐ Direction of spraying
- ☐ Restrictor size
- ☐ Air pressure
- ☐ Fluid pressure
- ☐ Forward speed
- ☐ Boom 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.
- ☐ 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
- ☐ 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 nozzle restrictor/flood jet during application
- ☐ Procedure for refilling during application

### 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.**

The calibration test paper must be completed by all potential assessors.