Technical Evaluation Record V2 Aug19 **Qualification Code:** 0216-51 (Ind) Pesticides - PA3B Variable Geometry **QUALIFICATION:** Boom Sprayer with Air Assistance Units: 122 **Technical Verifier Assessor Name:** Name: **Assessor No: Technical Verifier No: NEW? DOB: Assessor Email:** Start Time: Invoice To: (Include **End Time:** Centre name if applicable) CRITERIA: (Please refer to the following pages and **PERFORMANCE** JUSTIFICATION: current Qualification Guidance) **EVALUATION** (Circle): M/C test paper to check PA1 knowledge and specific **1** = 12 or less/20 2 = 14/201 2 3 4 5 industry best practice (new assessors only) 3 = 16/204 = 18/205 = 20/20Knowledge of H&S regulations and industry best practice. 1 2 3 4 5 Carry out SSRA, COSHH and environmental assessment Knowledge of range of applicators (including pump types, 2 3 4 1 5 liquid/air flow, controls, components, induction systems) Knowledge of machine preparation and safe driving 1 2 3 4 5 considerations Knowledge of operator protection, sealed cab/open 1 2 3 4 5 platform and PPE requirements and standards Knowledge of a range of nozzles appropriate to 1 2 3 4 5 applicator and relevant nozzle chart interpretation Knowledge of nozzle body and fan adjustments, including 1 2 3 4 5 advantages and possible risks to crop/target 1 2 3 4 5 Interpretation of two appropriate product labels Calibrate the applicator (without use of calibration 1 2 3 4 5 sheet/aids). Complete calibration test paper Complete calibration test paper 1 5 2 3 4 Knowledge of drift reduction methods Measure, mix and fill applicator. Carry out an application. 1 3 2 4 5 Knowledge of site marking options Knowledge of cleaning/decontamination/disposals. 1 2 3 4 5 Complete a treatment record 1 2 3 5 Assessment techniques (new assessors only) 4 **PERFORMANCE EVALUATION COLUMN TOTALS:** = TOTAL SCORE: MET **TOTAL SCORE REQUIRED TO ACHIEVE ASSESSOR STATUS: Result of Technical** (NB. ACHIEVED IN PERFORMANCE EVALUATION COLUMNS 4 & 5 ONLY) 56 **NOT MET Evaluation (tick):** If an existing PA Assessor then please adjust total score required to 48 **ACTION PLAN FOR ASSESSOR:** Please continue on reverse if necessary ASSESSOR COMMENTS:

TECHNICAL VERIFIER SIGNATURE:

ASSESSOR SIGNATURE:

Please continue on reverse if necessary

DATE:

COST:

£200 Half Day £300 Full Day

TECHNICAL EVALUATION RECORD

0216-51 L2 Award in the Safe Application of Pesticides Using Variable Geometry Boom or Broadcast Sprayers (PA3)

Unit 122 Operating a Variable Geometry Boom Sprayer with Air Assistance (PA3B)

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

☐ Minimum score of 18/20 achieved.

Kno

(Please note: this paper only needs to be					
	completed by new PA assessors).				
owledge 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				
ry out COSHH assessment					
	Using template provided or an approved				

Carı

template

Carry out SSRA

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

system					
	Common pump types (must include Diaphragm and Piston) Liquid flow				
Knowledge of machine preparation and safe driving considerations					
	Compatibility and security Safe driving				
	cab/canopy/platform CE and EN markings-relevance				
	Glove specification Face shield				
applica	dge of a range of nozzles appropriate to tor and relevant nozzle chart interpretation Hollow cone Hollow cone air inclusion Flat fan TV to explain the 'rule of 4' in relation to calculating nozzle output (if unknown) (Please note: Assessor to identify nozzle, explain when it would be used and interpret the markings. Additional detail can be obtained / interpreted from an appropriate nozzle chart.				
	dge of nozzle body and fan adjustments, ng advantages and possible risks to crop/target				
	Nozzle body adjustments according to overall height of target or foliage density Fan pitch – larger volumes of air at lower fan				
	speeds Large volumes of air can assist with spray				
	penetrating canopy Low volumes of air may not allow for full coverage/penetration of canopy				
	Large volumes of air have potential to cause excessive drift				
	Large volumes of air could damage delicate				

fruit/berries.

Interpre	etation of two appropriate product labels	Knowledge of cleaning/decontamination/disposals
	Product label 1	☐ Surplus dilute, disposal
	Product label 2	Washing procedure explained
		☐ Washings, disposal
Calibrat	e the applicator (without use of calibration	☐ Empty container/packaging, washing, storage
sheet/a	ids).	and disposal (Crop Protection Association Best
	Calibration method (carried out):	Practice Guide 'Container Cleaning' 2012)
	 Application volume 	
	 Amount of water for area 	Complete a treatment record
	 Amount if pesticide for area 	☐ Treatment record correctly completed
	 Amount of pesticide for full tank 	
	·	Assessment techniques
Comple	te calibration test paper	☐ Clear and concise questions/instructions
-	Calibration test paper successfully completed	☐ Question/instruction relative to unit.
	Note to TV: The assessor is expected to correctly	(Please note: this section only needs to be
	complete all of the calibration test paper	completed by new PA assessors).
	exercises. A marking sheet range has been	completed by hew this discussion.
	produced to allow for variations in methods used	Note: If an existing PA assessor is adding this as a new
	and rounding up/down.	unit, the M/C test paper and assessment technique
	and rounding up, down.	sections do not need to be completed.
Vnoudo	dae of duift wadvistian month ada	sections do not need to be completed.
	dge of drift reduction methods	Total access as wined for front about the adjusted to
	Weather conditions	Total score required (on front sheet) can be adjusted to
	Canopy density	<mark>48.</mark>
	Presence of natural/living windbreaks	
	Direction of spraying	The calibration test paper must be completed by all
	Nozzle type and size	potential assessors.
	Boom geometry	
	Pressure	
	Forward speed	
	Fan speed	
	Fan pitch	
	Air flow direction	
Carry ou	ut 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.	
	Avoidance of spinage. Drip tray used.	
Carry or options	ut an application. Knowledge of site marking	
options		
	Site marking options (to ensure accurate	
	application)	
	Safe and accurate application carried out	
	Procedure for blocked nozzle during application	
	Procedure for refilling during application	