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SH006

Practical & Accredited Training Solutions

Spray Safe and Save - "the name says it all"

Spray plan completed by:

Sprayer Set Up Record / Sprayer Operation Procdedure

Operator	Spray Hub Plan JTA	
Description of rig	JTA 6536	
Location, Date		Oct-25
Product or products	Summer	
Target pest(s)		
Droplet size recommendation per label or agronomist	XC-VC	
Water rate l/ha (minimum recommended)	75	L/ha
Determine:		
Minimum speed you wish to travel	13	km/hr
Constant speed you wish to travel	15	km/hr
Maximum speed you wish to travel	17	km/hr
Boom nozzle spacing (W) in metres	0.5	metre
Total boom width	36	metre
No. of nozzles on boom	72	nozzles

Step 1

Litres per minute per nozzle =km/hr xW(nozzle spacing in metres) xlitres/ha ÷ 600

L/min/nozzle

Total No. of Nozzles

Minimum	Constant	Maximum	efer to nozzle chart record selection
			Nozzle Size / Pressure
0.81	0.94	1.0625	• / •
			• / •
			• / •
Nozzle code selected			SELECT
			TTI11002 YELLOW
Droplet Size Pressure range			

Combination of Nozzles		
Twin cap	Nozzle 1	Nozzle 2
Dual Line	Line A	Line B
Spray quality		

W = nozzle spacing (in metres) for broadcast spraying **or** W= spray width (in metres) for single nozzle brand spraying or boomless spraying **or** W= row spacing (in metres) divided by the number of nozzles per row for directed spraying

Step 2

	Minimum	*Constant*	*Maximum*
Spray quality as per ISO 25358	XC	XC-VC	VC
Pressure as per nozzle chart	3.2	4.4	5.2
Litres per minute/nozzle	0.81	0.94	1.06
Duty cycle %			

Kilometres/hour

= Litres per minute per nozzle x 600 ÷ litres sprayed hectare ÷ width (nozzle spacing in metres)

Speed km/h	13	15	17

Litres/hectare

= Litres per minute per nozzle x 600 ÷ width (nozzle spacing in metres) ÷ kilometres per hou

Litres/hectare	75	75	75

Final Check

Sprayer Operation Rules

Pressure 1 bar = 100 kpa = 14.5psi

Panel Settings	*Minimum / Buffer Zone*	*Constant*	*Maximum*
Total litres per minute all nozzles Litres/minute/nozzle x number of nozzles	58.5	67.5	76.5
Speed km/h	13	15	17
Pressure in bar	3.2	4.4	5.2
Spray quality as per ISO 25358	XC	XC-VC	VC