Return

SH007

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 Stoll S8	
Description of rig	Stoll S8	
Location, Date		
Product or products	Summer	
Target pest(s)		
Droplet size recommendation per label or agronomist	XC-VC	
Water rate l/ha (minimum recommended)	80	L/ha
Determine:		
Minimum speed you wish to travel	17.1	km/hr
Constant speed you wish to travel	19.2	km/hr
Maximum speed you wish to travel	21	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
1.14	1.28	1.4	• / •
			• / •
			• / •

Nozzle code selected	SELECT
	TTI110025 PURPLE
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	VC	VC
Pressure as per nozzle chart	4	5	6
Litres per minute/nozzle	1.14	1.28	1.40
Duty cycle %			

Kilometres/hour

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

Speed km/h	17.1	19.2	21

Litres/hectare

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

Litres/hectare	80	80	80

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	82.08	92.16	100.8
Speed km/h	17.1	19.2	21
Pressure in bar	4	5	6
Spray quality as per ISO 25358	XC	VC	VC