



Spray plan completed by: _____

Sprayer Set Up Record / Sprayer Operation Procedure

Operator	Spray Hub Plan Nitro	
Description of rig	Nitro 6333	
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)	85	L/ha
Determine:		
Minimum speed you wish to	9.6	km/hr
Constant speed you wish to	22	km/hr
Maximum speed you wish to	25	km/hr
Boom nozzle spacing (W) in metres	0.5	metre
Total boom width	36.5	metre
No. of nozzles on boom	73	nozzles
Litres per minute per nozzle = km/hr x W (nozzle spacing in metres) x litres/ha ÷ 600 L/min/nozzle		
Minimum	Constant	Maximum
0.68	1.56	1.77083
Refer to nozzle chart record selections Nozzle Siz Pressure		
• • • • • •		
Nozzle code selected	SELECT	SELECT
	TTI11001! SELECT	TTI11002 YELLOW
Droplet Size		
Pressure range		



Total No. of Nozzles _____

Combination of Nozzles		
3TS	Nozzle 1 Quantity 73	Nozzle 2 Quantity 74
Dual Line	Line A	Line B
Spray quality		

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

	Tier 1			Tier 2			Tier 3		
	Minimum	Constant	Maximum	Minimum	Constant	Maximum	Minimum	Constant	Maximum
Spray quality as per ISO 25358	XC	VC	VC	XC	VC	VC	XC	XC	VC
Pressure as per nozzle chart	4	5	6	4	5	6	3	4	5
Litres per minute/nozzle	0.68	0.76	0.83	0.91	1.02	1.12	1.38	1.59	1.78
Duty cycle %									

Kilometres/hour

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

Speed km/h	9.60	10.73	11.72	12.85	14.40	15.8118	19.48	22.45	25.13
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Litres/hectare

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

Litres/hectare	85	85	85	85	85	85	85	85	85
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Final Check**Sprayer Operation Rules**

Pressure 1 bar = 100 kpa = 14.5psi

Panel Settings	Tier 1			Tier 2			Tier 3		
Total litres per minute all nozzles	49.64	55.48	60.59	67.34	75.48	82.88	100.74	116.07	129.94
Litres/minute/nozzle x number of nozzles									
Speed km/h	9.60	10.73	11.72	12.85	14.40	15.8118	19.4824	22.4471	25.1294
Pressure in bar	4	5	6	4	5	6	3	4	5
Spray quality as per ISO 25358	XC	VC	VC	XC	VC	VC	XC	XC	VC