



Spray plan completed by: _____

Sprayer Set Up Record / Sprayer Operation Procedure

Operator	Spray Hub Plan 4430 PWM	
Description of rig	Case Patriot 4430	
Location, Date		Oct-25
Product or products	Xtendimax 2 Dicamba	
Target pest(s)	Irrigated row crop	
Droplet size recommendation per label or agronomist	VC	
Water rate l/ha (minimum recommended)	100	L/ha
Determine average speed you wish to travel	19	km/hr
Spray zone awareness hazards of a sensitive nature/buffer zone		
Boom nozzle spacing (W) in metres	0.508	metre
Total boom width	36.5	metre
No. of nozzles on boom	72	nozzles
Litres per minute per nozzle = km/hr x W (nozzle spacing in metres) x litres/ha ÷ 600		
	L/min/nozzle	
1.608666667	Refer to nozzle chart record selection	
	Nozzle Size	Pressure
	•	•
	•	•
	•	•
Nozzle code selected	TTI60-11004 RED	
	SELECT	
Droplet Size		
Pressure range		

Step 1



Adapter from Wilger to TeeJet

Total No. of Nozzles _____

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

Minimum**Constant****Maximum**

Spray quality as per ISO 25358	VC		VC		VC	
Pressure as per nozzle chart	4		4		4	
Litres per minute/nozzle	0.91	1.09	1.27	1.46	1.64	1.82
Duty cycle %	50%	60%	70%	80%	90%	100%

Step 2

Kilometres/hour

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

Speed km/h	10.748031	12.897638	15.04724409	17.19685039	19.34645669	21.49606299
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Litres/hectare

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

Litres / hectare	100	100	100	100	100	100
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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	65.52	78.624	91.728	104.832	117.936	131.04
Speed km/h	10.748031	12.897638	15.04724409	17.19685039	19.34645669	21.49606299
Pressure in bar	4		4		4	
Spray quality as per ISO 25358	VC		VC		VC	