



Spray plan completed by: Craig Day (ALWAYS) read and follow all label requirements and restraints

Sprayer Set Up Record / Sprayer Operation Procedure

Operator	Spray Hub plan PWM 616	
Description of rig	John deere 616	
Location, Date		Oct-25
Product or products	Summer Spray	
Target pest(s)		
Droplet size recommendation per label or agronomist	XC-VC	
Water rate l/ha (minimum recommended)	70	L/ha
Determine average speed you wish to travel	26	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	
1.540933333	Refer to nozzle chart record selection	
	Nozzle Size	Pressure
	•	•
	•	•
	•	•
Nozzle code selected	TTI60-11004 RED	
Droplet Size		
Pressure range		

Step 1



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	15.354331	18.425197	21.49606299	24.56692913	27.63779528	30.70866142
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Litres/hectare

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

Litres / hectare	70	70	70	70	70	70
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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	15.354331	18.425197	21.49606299	24.56692913	27.63779528	30.70866142
Pressure in bar	4		4		4	
Spray quality as per ISO 25358	VC		VC		VC	