



Spray plan completed by: Craig Day (ALWAYS follow label requirements)

Sprayer Set Up Record / Sprayer Operation Procedure

Operator	SPRAY HUB PLAN 616 PWM	
Description of rig	John Deere PWM 616	
Location, Date		Oct-25
Product or products	Xtendimax2 Dicamba	
	Dryland Cotton	
Target pest(s)		
Droplet size recommendation per label or agronomist	VC	
Water rate l/ha (minimum recommended)	100	L/ha
Determine average speed you wish to travel	24	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		
2.032	Refer to nozzle chart record selection Nozzle Size Pressure • • • • • •	
Nozzle code selected	TTI60-11005 BROWN	
	SELECT	
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	1.14	1.36	1.59	1.82	2.04	2.27
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	13.405512	16.086614	18.76771654	21.4488189	24.12992126	26.81102362
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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	81.72	98.064	114.408	130.752	147.096	163.44
Speed km/h	13.405512	16.086614	18.76771654	21.4488189	24.12992126	26.81102362
Pressure in bar	4		4		4	
Spray quality as per ISO 25358	VC		VC		VC	