



Data Entry Assumption

	Boom Width				
Number of Nozzles	4	6	8	10	12
Boom Length	6.7	10.0	13.3	16.7	20.0
Acres	30.0				

Boom Width and Spray Technology Comparison

	Rate Controller Only				
Time Savings per Application	6.7' Boom	10' Boom	13.3' Boom	16.7' Boom	20' Boom
	Rate Control	Rate Control	Rate Control	Rate Control	Rate Control
Enter Average Spraying Speed (mph)	4.0	4.0	4.0	4.0	4.0
Total Acres Sprayed Per Application	30.0	30.0	30.0	30.0	30.0
Acres per Hour	3.2	4.8	6.4	8.1	9.7
Hours Required to Spray	9.24	6.19	4.65	3.71	3.09
Spraying Time Reduction	Baseline	33%	50%	60%	67%

	Rate Controller plus PWM Tip Management				
Time Savings per Application	6.7' Boom	10' Boom	13.3' Boom	16.7' Boom	20' Boom
	PinPoint III	PinPoint III	PinPoint III	PinPoint III	PinPoint III
Enter Average Spraying Speed (mph)	7.5	7.5	7.5	7.5	7.5
Total Acres Sprayed Per Application	30.0	30.0	30.0	30.0	30.0
Acres per Hour	6.1	9.1	12.1	15.2	18.2
Hours Required to Spray	4.93	3.30	2.48	1.98	1.65
Spraying Time Reduction	20%	47%	60%	68%	73%