

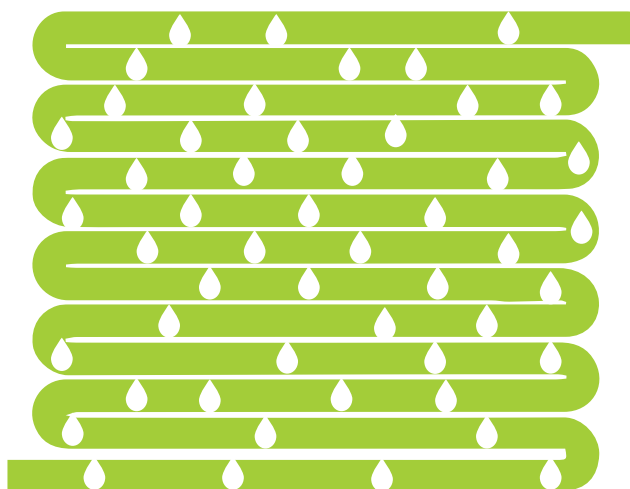


SPRAYER COMPARISON - CANE BERRIES

On Target Conventional Sprayers



VS



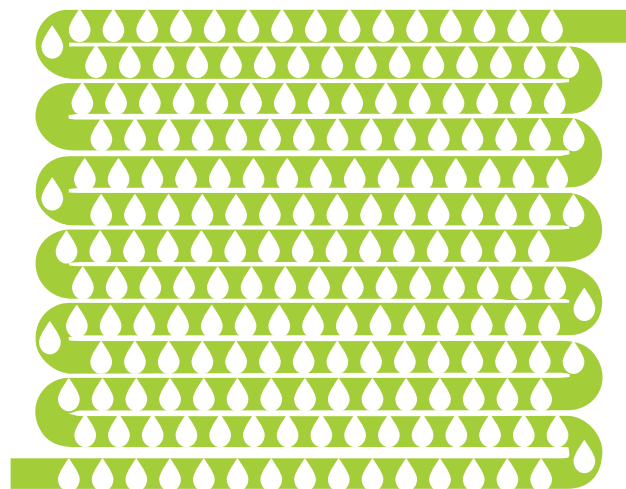
ON TARGET GPA

50 TANK REFILLS (rounded)

100 acres x 17.5 GPA = 1,750 gallons of water
1,750 gallons of water/35 gallon tank = 50 tank refills

TANK SIZE	MPH	# OF ROWS	ROW WIDTH
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35 gal.	3	1	7 ft
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CONVENTIONAL GPA

200 TANK REFILLS (rounded)

100 acres x 100 GPA = 10,000 gallons of water
10,000 gallons of water/50 gallon tank = 200 tank refills

TANK SIZE	MPH	# OF ROWS	ROW WIDTH
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50 gal.	2.5	1	7 ft
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On Target vs Conventional Sprayers

		TANK SIZE	MPH	ROWS	WIDTH	ACRES	APPLICATIONS	WATER GPA	
MODEL		On Target	35 gal.	3	1	7 ft	100	12	17.5
		Conventional	50 gal.	2.5	1	7 ft	100	12	100

		GALLONS	TANK FILLS	ON TARGET TOTAL SAVINGS:		
WATER		On Target	21,000	50	One Season 99,000 gallons 150 fewer refills	Five Seasons 495,000 gallons 750 fewer refills
		Conventional	120,000	200		

LABOR 		HOURS (Rate)	COST	ON TARGET TOTAL SAVINGS:		
		On Target	1,068 (\$20)	\$21,360	One Season	Five Seasons
		Conventional	2,964 (\$20)	\$59,280	\$37,920	\$189,600

		GALLONS	COST	ON TARGET TOTAL SAVINGS:	
DIESEL		On Target	1,740	\$6,096	
		Conventional	5,292	\$18,528	
				One Season	Five Seasons
				\$12,432	\$62,160
				3,552 gallons	17,760 gallons

TOTAL SAVINGS:

One Season	Five Seasons
\$50,352	\$251,760

Labor Savings Details	On Target	Conventional
Labor per row	5 mins.	6 mins.
Labor required to spray field once	39.3 hrs.	47.1 hrs.
Tank Fills required to spray field once	50	200
Labor required to fill tank once	30 mins.	30 mins.
Total fill time	25 hrs.	100 hrs.
Acres sprayed per hour	1.6 acres/hr	0.7 acres/hr
Labor required to spray one acre	0.64 hrs.	1.47 hrs.
Total acrea sprayed per season	1,200 acres	1,200 acres
Total labor spent filling per season	300 hrs.	1,200 hrs.
Total labor to spray field once, including filling	64.3 hrs.	147.1 hrs.
Total labor spraying per season	768 hrs.	1,764 hrs.

Water Savings Details	On Target	Conventional
Sprayer tank fills required	50	200
Water required for one field pass	1,750 gal.	10,000 gal.

Diesel Savings Details	On Target	Conventional
Gallons of fuel required for field	145 gal.	441 gal.
Cost of fuel per acre	\$5.08	\$15.44
Total cost of diesel for one field pass	\$508	\$1,544
Total acres sprayed per season	1,200 acres	1,200 acres
Total cost of diesel per season	\$6,096	\$18,528

Materials Savings Details	On Target	Conventional
Total acres sprayed per season	1,200 acres	1,200 acres
Average material cost per season	\$72,000	\$72,000