

TECHNICAL BULLETIN

Bulletin No.: TB5039
Subject: BioSpray D2 and ZEP FS Amine Z ROI & Cost Benefit Analysis
Objective: Sanitation Level for Food Industries

Days Per Year Treated: 252
View Report Data as: Daily

Base Wage (Hr): \$15.00
Payroll Burden: 17.50%

Square Feet of Treated Area: 1000
Target Payoff Mos.: 18

Product	Zep FS Amine Z 5 Gallon Pail	BioSpray D2 5 Gal. Pail	BioSpray D2 5 Gal. Pail	BioSpray D2 5 Gal. Pail	BioSpray D2 5 Gal. Pail	BioSpray D2 5 Gal. Pail
Application Method	Trigger Sprayer Bottle	Commercial PSD-20RT	Commercial CN-80	Light Duty Healthcare LD-10H	Light Duty LD-10	Light Duty LD-5 Backpack
Cost per Square Foot	\$0.058	\$0.025	\$0.026	\$0.039	\$0.039	\$0.045
Rub Required	Yes	No	No	No	No	No
Sanitation Rinse Required	No	No	No	No	No	No
Facility Performs Food-Grade Level Sanitizing	No	No	No	No	No	No
Wipe Required	No	No	No	No	No	No
Wipe by Protocol	No	No	No	No	No	No
Chemicals						
Avg. Chemical Cost Per Oz.	\$0.00035	\$0.206	\$0.206	\$0.206	\$0.206	\$0.206
Daily Chemical Cost	\$0.11	\$7.45	\$7.45	\$9.31	\$9.31	\$9.31
CO2/Nitrogen Cost (Daily)	N/A	\$4.29	\$5.11	\$12.78	\$12.78	\$19.17
Labor						
Number of FTE's Daily (7-Hr Day)	0.5	0.1	0.1	0.1	0.1	0.1
Daily FTE Hours	3.3	0.8	0.8	1.0	1.0	1.0
Daily Labor Cost	\$58.06	\$13.51	\$13.51	\$16.89	\$16.89	\$16.89
Annual Totals	\$14,659	\$6,365	\$6,571	\$9,824	\$9,824	\$11,434

Number of BioSpray Power Packs Needed		1	1	1	1	1
Drive Cylinder Packages						
Package 1: Minimum Suggested Number Optional Extra Cylinders		0	1	1	1	2
Package 2: Suggested Number of Cylinders in Rotation Set		1	2	2	2	3
Pkg 1 & 2 Total Number Cylinders		1	3	3	3	5
BioSpray Power Packs Cost		\$9,800	\$5,900	\$4,995	\$4,100	\$3,500
Cylinder Package 1 Cost (Optional)	Included	\$0	\$169	\$134	\$134	\$198
Cylinder Package 2 Cost (Optional)	Included	\$169	\$229	\$268	\$268	\$297
Cylinder Re-Fill Kit (Optional)	Not Included	\$0	\$0	\$0	\$0	\$0
Commercial Atomizing Spray Gun: LD Exchange (Optional)	Not Included	Included	Included	\$0	\$0	\$0
Total Equipment		\$9,969	\$6,298	\$5,397	\$4,502	\$3,995

Return on Investment and Cost Benefit Analysis Zep FS Amine Z 5 Gallon Pail

Monthly Cost Benefit (Savings)	\$691	\$674	\$403	\$403	\$269
Months to Payoff	14.42	9.34	13.39	11.17	14.86
2-Yr Return on Investment (ROI)	\$6,620	\$6,208	\$4,275	\$5,170	\$2,457