

## Effect of UV-C Decontamination on Fruit

UV-C Trial Data	UV-C at 30°C CFU/g	E. coli CFU/g	Limnocytophages CFU/g	Enterobacteriaceae CFU/g	Yeasts CFU/g	Moulds CFU/g	S. aureus CFU/g	Salmonellas CFU/g
Raspberry control	17000	<10	<10	40	2400	98000	<10	-
Raspberry UV-C Treated	100	<10	<10	<10	18	76	<10	-
Log Kill	<b>2.2</b>	-	-	<b>1.0</b>	<b>2.1</b>	<b>3.1</b>	-	-
Raspberry Challenged Control	-	140000	490000	23000	-	-	590000	64000
Raspberry Challenged UV-C Treated	-	30	24	25	-	-	36	17
Log Kill	-	<b>3.7</b>	<b>4.3</b>	<b>3.0</b>	-	-	<b>4.2</b>	<b>3.6</b>
Strawberry control	1400	<10	<10	<20	2600	600	<10	-
Strawberry UV-C Treated	12	<10	<10	<20	33	28	<10	-
Log Kill	<b>2.1</b>	-	-	-	<b>1.9</b>	<b>1.3</b>	-	-
Strawberry Challenged Control	-	136000	420000	28000	-	-	52000	51000
Strawberry Challenged UV-C Treated	-	9	66	18	-	-	40	12
Log Kill	-	<b>4.2</b>	<b>3.8</b>	<b>3.2</b>	-	-	<b>3.1</b>	<b>3.6</b>
Grape Control	2500	<10	<10	<20	7800	3900	<10	-
Grape UV-C Treated	<10	<10	<10	<20	24	10	<10	-
Log Kill	<b>3.0</b>	-	-	-	<b>2.5</b>	<b>2.6</b>	-	-
Grape UV-C Challenged Control	-	128000	490000	31000	-	-	56000	53000
Grape Challenged UV-C Treated	-	23	50	11	-	-	22	19
Log Kill	-	<b>3.7</b>	<b>4.0</b>	<b>3.4</b>	-	-	<b>3.4</b>	<b>3.4</b>
Blackberry Control	900	<10	<10	<20	4400	2100	<10	-
Blackberry UV-C Treated	<10	<10	<10	<20	12	15	<10	-
Log Kill	<b>2.0</b>	-	-	-	<b>2.6</b>	<b>2.1</b>	-	-
Blackberry Challenged Control	-	116000	430000	31000	-	-	60000	61000
Blackberry Challenged UV-C Treated	-	23	50	11	-	-	30	<10
Log Kill	-	<b>3.7</b>	<b>3.9</b>	<b>3.4</b>	-	-	<b>3.3</b>	<b>4.0</b>