

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2026  
 DateRun: 06/15/2026  
 Experimenters: Ashar Khan, Evan Hebert  
 ClientType: Cleaner Manufacturer  
 ProjectNumber: Project #1  
 Substrates: Food  
 PartType: Coupon  
 Contaminants: Dirt, Oil  
 Cleaning Methods: Immersion/Soak  
 Analytical Methods: Gravimetric

Purpose: To evaluate the effectiveness of Rebel Green's Fruit and Veggie Clean product against the comparative product, Beaumont Product's Veggie Wash, in removing a soil-and-oil mixture from produce.

Experimental Procedure: Initial weights were recorded for six snow peas and six cherry tomatoes, with three replicate substrates tested per cleaner. Produce samples were contaminated by placing them in a container with a soil mixture of five teaspoons of Miracle-Gro Organic Potting Soil, 500 mL of water, and one milliliter of mineral oil, then shaking the container for 30 seconds. Dirty weights were recorded after contamination. The contaminated snow peas and cherry tomatoes were then cleaned in a 1:10 dilution of each cleaner for 30 seconds using immersion and mild agitation with a stir bar to simulate swishing. The produce air dried at room temperature (68F) before final weights were recorded, and percent soil removal was calculated.

Results:

Product	Substrate	Initial wt. of cont.	Final wt. of cont.	%Cont. Removed	Average % Removal	Overall % Removal
Rebel Green	Snow Peas	0.5645	0.0319	94.3490	96.19	95.74
		0.5595	0.0239	95.7283		
		0.6134	0.0092	98.5002		
	Cherry Tomatoes	0.141	0.0069	95.1064	95.28	
		0.2051	0.0101	95.0756		
		0.1339	0.0058	95.6684		
Veggie Wash	Snow Peas	0.5929	0.0319	94.6197	95.32	95.32
		0.6206	0.0223	96.4067		
		0.5295	0.0269	94.9197		
	Cherry Tomatoes	0.1659	0.0079	95.2381	95.33	
		0.1972	0.0092	95.3347		
		0.1873	0.0086	95.4084		

Summary:

<b>Substrates:</b>	Food				
<b>Contaminants:</b>	Dirt, Oil				
<b>Company Name:</b>	<b>Product Name:</b>	<b>Conc.:</b>	<b>Efficiency:</b>	<b>Effective:</b>	<b>Observations:</b>
Rebel Green	Fruit and Veggie Clean	1:10 Dilution	95.74	<input checked="" type="checkbox"/>	
Beaumont Products	Veggie Wash Fruit and Vegetable Wash	1:10 Dilution	95.32	<input checked="" type="checkbox"/>	

Conclusion: Rebel Green was as effective as the comparative product Veggie Wash at removing the contaminant from snow peas and cherry tomatoes.