

Attachment 1 – December 2, 2005 Staff Report, “On-farm Management Practice Implementation: The Key to Water Quality Improvement”

Water and chemical applications for one broccoli crop and one strawberry crop in Monterey County

	400 acres broccoli	400 acre strawberry
Significant soil disturbance	7 times	14 times
Fertilizers and compost	832,000 lbs	340,000 lbs
Insecticides	1,100lbs	1,750 lbs
	212.5 gallons	315.6 gallons
Herbicides	800 lbs	
Fungicides		14,375 lbs
		112.5 gallons
Water	325, 682,733 gallons	390,818,400 gallons
Total number of chemicals used (fertilizer, pesticides and herbicides)	7	14

Numbers were derived from two Monterey County UC Cooperative Extension reports, entitled, “Sample Costs to Produce Fresh Market Broccoli, 2004”, and “Sample Costs to Produce Strawberries, 2004”.

Numbers from the Broccoli report were based on current economic and agronomic factors and represent a hypothetical 400-acre farm. Numbers for the strawberry report are based on an actual 50-acre farm. Numbers were scaled up. According to the author of these studies, this is appropriate. Numbers can vary by grower and region, and variations can be significant. However, the numbers used in these reports are considered typical for the crops studied in Monterey County.

The numbers in the table represent one crop. It is common for broccoli to have two crops per year. Strawberries are limited to one crop per year (harvesting of the berries occurs approximately seven months out of the year).

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