

## Ratio of Utility Patents Per Employee By Cluster

**Based on SIC Code of Company Holding Utility Patents**

**Total Utility Patents = 10,984**

Cluster	Patents		Employees in 2000		Ratio
	Number	Shares	Number	Shares	Patents Per
	90 to 99				1,000 Employee
Biotechnology & Pharmaceuticals	1,629	34.7%	23,056	7.8%	70.7
Defense & Transportation Mfg	970	20.6%	18,149	6.1%	53.4
Computer & Electronics Mfg	907	19.3%	24,169	8.2%	37.5
Communication	631	13.4%	24,878	8.4%	25.4
Biomedical Products	362	7.7%	6,256	2.1%	57.9
Environment Technology	82	1.7%	4,580	1.5%	17.9
Software & Computer Services	63	1.3%	21,290	7.2%	3.0
Recreational Goods Mfg	39	0.8%	4,939	1.7%	7.9
Business Services	10	0.2%	97,062	32.8%	0.1
Medical Services	5	0.1%	71,889	24.3%	0.1
<b>Total</b>	<b>4,698</b>	<b>100.0%</b>	<b>296,268</b>	<b>100.0%</b>	<b>15.9</b>
<b>Patents Accounted For =</b>	<b>42.8%</b>				

## Ratio of Plant Patents Per Employee By Cluster

**Based on SIC Code of Company Holding Plant Patents**

**Total Plant Patents = 125**

Cluster	Patents		Employees in 2000		Ratio
	Number	Shares	Number	Shares	Patents Per
	90 to 99				1,000 Employee
Horticulture	56	100.0%	6,644	100.0%	8.4
<b>Patents Accounted For =</b>	<b>44.8%</b>				

**Source:** All patent data from the Office of Patent and Trademark  
All employment data from the California State Employment  
Development Department

**Notes:** For utility patents, there are 2,800 patents assigned to individuals leaving 8,184 assigned to 1,463 organizations. Of this total, we are able to assign SIC codes to 267 organizations with 5,420 patents. Of that total, 86% are found in clusters [4,698 / 5,420].  
For plant patents, there are 33 patents assigned to individuals leaving 92 assigned to 8 companies. Of this total, we are able to assign SIC codes to 8 companies with 92 patents. Of that total, 61% are found in the horticulture cluster [56 / 92].