

Disproportionate Use of Hazardous Pesticides in Latinx Communities in California

According to the most recent US and California government data, an average person who lives in the eleven California counties with a majority Latinx population as compared to the twenty-five counties with the smallest Latinx proportions (less than 24% -- those who live in the 11 most Latinx counties are 3 times as likely to be Latinx)¹ lives where there are nine times (900%) more pesticides applied per person.

<i>CA County-High Latinx</i>	<i>% Latinx²</i>	<i>Pounds of pesticides, 2018³</i>	<i>Population, All Races⁴</i>
Imperial	84.6	5,088,287	181,215
Tulare	65.2	19,132,300	466,195
San Benito	60.6	637,360	62,808
Colusa	60.3	2,903,505	21,547
Merced	60.2	9,451,786	277,680
Monterey	59.1	7,967,672	464,061
Madera	58.3	10,101,551	157,327
Kings	55.0	8,239,299	152,940
Kern	54.0	29,489,295	900,202
San Bernardino	54.0	482,273	2,180,085
Fresno	53.5	35,682,274	999,101
>50% Latinx	11 counties	129,175,602	5,863,161
Per person		22.03	
<i>CA County-Low Latinx</i>	<i>% Latinx</i>	<i>Pounds of pesticides, 2018</i>	<i>Population, All Races</i>
Sacramento	23.4	5,080,119	1,552,058
San Luis Obispo	22.8	3,055,467	283,111
Inyo	22.7	17,871	18,039
Alameda	22.4	285,779	1,671,329
Lake	21.3	737,441	64,386
Del Norte	20.0	206,514	27,812
Lassen	19.2	90,953	30,573
Butte	16.7	2,947,123	219,186
Marin	16.1	63,984	258,826
San Francisco	15.2	20,401	881,549
Amador	14.4	102,065	39,752
Placer	14.3	433,453	398,329
Modoc	14.2	172,037	8,841
El Dorado	12.9	159,895	192,843
Siskiyou	12.9	1,390,673	43,539
Tuolumne	12.7	39,876	54,478
Calaveras	12.4	73,856	45,905
Sierra	12.1	3,465	3,005
Humboldt	11.8	42,273	135,558
Mariposa	11.6	6,826	17,203
Alpine	11.4	890	1,129
Shasta	10.3	281,895	180,080
Nevada	9.7	56,542	99,755
Plumas	9.2	31,071	18,807
Trinity	7.5	22,014	12,285
<24% Latinx	25 counties	15,322,483	6,258,378
Per person		2.45	
High-Latinx v Low-Latinx		9 times or 900%	

¹ The cutoff point for the least Latinx counties was determined by a roughly equivalent total population size to the most Latinx counties. Had the 11 least Latinx counties been compared, that would only have accounted for a mere population of 611,744.

² <https://www.indexmundi.com/facts/united-states/quick-facts/california/hispanic-or-latino-population-percentage#table>

³ https://www.cdpr.ca.gov/docs/pur/pur18rep/18_pur.htm

⁴ https://www.california-demographics.com/counties_by_population

Monterey and Santa Cruz County Total Pesticide Use in Pounds, 2005 – 2018:

Decrease in 2018, but 7-year trends show average annual increases.

<i>Year</i>	<i>Pounds of Pesticides Monterey County⁵</i>	<i>Pounds of Pesticides Santa Cruz County</i>
2018	7,967,672	1,251,897
2017	8,944,225	1,551,410
2016	9,284,495	1,550,094
2015	8,905,055	1,811,436
2014	9,389,183	1,907,983
2013	8,536,773	1,743,406
2012	9,214,278	1,693,000
Annual Average 2012 - 2018	8,891,669	1,644,175
2011	8,592,403	1,682,416
2010	8,727,282	1,028,209
2009	7,788,548	1,585,810
2008	7,893,327	1,653,785
2007	8,543,087	1,843,778
2006	8,209,012	1,722,369
2005	8,674,310	1,684,259
Annual Average 2005 - 2011	8,346,853	1,600,089
Percent increase in 7-year average	6.5 %	2.8 %

⁵ The California Department of Pesticide Regulation's annual Pesticide Use Reporting Executive Summaries for the years 2006 to 2016 (offline) and online reports from 2017 and 2018 at https://www.cdpr.ca.gov/docs/pur/pur18rep/18_pur.htm