



Smart Spraying

Desires to increase efficiency and enhance worker safety have driven advances in agricultural spray technology. Features such as enclosed, temperature controlled and carbon filtered cabs provide for both improved worker safety and comfort. Nozzles specially designed for specific row width, or tree size allow for more precise applications using less chemical. Some designs even use lasers to “see” where trees are; turning the sprayer on only when it senses a tree. Extra guards are being used to prevent drift while directing sprays closer to the target. Electrostatic sprayers electrically charge the chemical being sprayed, enhancing the ability of the application to adhere to surfaces. The goal of these technologies is to increase the cost effectiveness and application efficiency of sprays while having less impact on workers and the environment.



Fruit and Nut

Category	Year	Harvested Acres	Per Acre	Total	Unit	Per Unit	Total Value
Almond Meats	2014	164,314	1.05	173,000	Ton	\$7,800	\$1,349,400,000
	2013	160,200	1.21	194,000	Ton	\$5,800	\$1,125,200,000
Almond Hulls	2014			346,000	Ton	\$150	\$51,900,000
	2013			404,000	Ton	\$140	\$56,560,000
Almond Shells	2014			173,000	Ton	\$22	\$3,806,000
	2013			202,000	Ton	\$22	\$4,444,000
Apples	2014	631	21.64	13,700	Ton	\$652	\$8,932,000
	2013	615	22.82	14,000	Ton	\$530	\$7,420,000
Apricots	2014	4,701	11.40	53,600	Ton	\$569	\$30,498,000
	2013	4,967	12.00	59,600	Ton	\$480	\$28,608,000
Cherries	2014	3,496	1.04	3,640	Ton	\$4,265	\$15,525,000
	2013	3,189	2.56	8,160	Ton	\$3,757	\$30,657,000
Citrus¹	2014	526					\$3,242,000
	2013	580					\$4,263,000
Grapes, All	2014	12,372					\$52,663,000
	2013	12,382					\$62,458,000
Red Varieties	2014	7,676	9.19	70,500	Ton	\$468	\$32,994,000
	2013	7,686	10.26	78,900	Ton	\$509	\$40,160,000
White Varieties	2014	4,696	9.50	44,600	Ton	\$441	\$19,669,000
	2013	4,696	10.41	48,900	Ton	\$456	\$22,298,000

¹Citrus includes: Grapefruit, Lemons, Oranges, Pomelos and Tangerines (all prices and yields averaged together)