Table 19.19-- AGRICULTURAL CHEMICALS USED, INCLUDING FERTILIZER: 2002 AND 2007

Chemicals used	Unit	2002	2007
Any fertilizer, manure, or chemicals used 1/	farms	(NA)	5,742
Manure used	farms	730	705
	acres on which used	3,812	3,859
Any fertilizer or chemical expense 2/ 3/	farms	(NA)	6,158
	$1,000	(NA)	47,046
Commercial fertilizer, lime and soil conditioners used 2/	farms	(NA)	4,785
	acres on which used	127,996	116,530
Commercial fertilizer, lime and soil conditioners expenses	farms	4,326	5,653
	$1,000	17,791	29,807
Chemical expenses	farms	3,627	4,207
	$1,000	16,134	17,238
Chemicals used to control			
Insects	farms	1,840	2,012
	acres on which used	41,616	33,474
Nematodes	farms	275	253
	acres on which used	8,169	6,889
Diseases in crops and orchards	farms	800	836
	acres on which used	30,824	9,716
Weeds, grass, or brush	farms	2,820	3,053
	acres on which used	101,258	98,108
Chemicals used on crops to control growth, thin fruit, ripen, or defoliate	farms	216	255
	acres on which used	26,378	15,677

NA Not available.

1/ 2002 data are based on a sample of farms.

2/ 2002 farm count data are not comparable due to calculation change.

3/ 2002 expense data are not comparable due to calculation change.

Source: U.S. Department of Agriculture, *2002 Census of Agriculture, Hawaii,* (June 2004), p. 32 and U.S. Department of Agriculture, *2007 Census of Agriculture, Hawaii,* (February 2009), p. 34.