

**Table 38. Machinery and Equipment on Operation: 2002 and 1997**

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Item	Hawaii	Hawaii	Honolulu	Kauai	Maui
<b>VALUE OF MACHINERY AND EQUIPMENT</b>					
Estimated market value of all machinery and equipment .....					
farms, 2002	5,234	3,127	790	555	762
1997	5,471	3,319	880	468	804
\$1,000, 2002	186,163	74,990	29,659	36,671	44,843
1997	211,775	73,008	29,260	37,960	71,547
Average per farm .....	dollars, 2002	35,568	23,981	37,543	66,074
	1997	38,709	21,997	33,250	81,111
Farms by value group:					
\$1 to \$9,999 .....	2002	3,105	2,052	418	243
	1997	2,523	1,590	373	371
\$10,000 to \$19,999 .....	2002	834	439	140	147
	1997	1,217	746	203	108
\$20,000 to \$29,999 .....	2002	378	204	67	48
	1997	680	401	103	71
\$30,000 to \$49,999 .....	2002	361	172	80	34
	1997	514	289	111	42
\$50,000 to \$69,999 .....	2002	136	51	15	18
	1997	191	120	27	24
\$70,000 to \$99,999 .....	2002	137	57	26	27
	1997	124	60	18	20
\$100,000 to \$199,999 .....	2002	149	74	20	22
	1997	133	74	27	33
\$200,000 to \$499,999 .....	2002	89	61	15	13
	1997	65	32	13	5
\$500,000 or more .....	2002	45	17	9	2
	1997	24	7	5	6
<b>SELECTED MACHINERY AND EQUIPMENT</b>					
Tractors .....	farms, 2002	2,896	1,392	574	477
	1997	2,837	1,490	551	354
number, 2002	5,220	2,182	1,335	822	442
	1997	4,793	2,240	950	689
Less than 40 horsepower (PTO) .....	farms, 2002	2,149	1,001	466	347
	1997	2,047	1,127	364	231
number, 2002	3,111	1,342	848	421	500
	1997	2,767	1,425	553	343
40 to 99 horsepower (PTO) .....	farms, 2002	962	413	215	168
	1997	935	440	196	138
number, 2002	1,715	720	381	309	305
	1997	1,450	680	279	220
100 horsepower (PTO) or more .....	farms, 2002	230	100	40	45
	1997	288	120	83	47
number, 2002	394	120	106	92	76
	1997	576	135	118	126
Grain and bean combines (see text) .....	farms, 2002	6	1	2	2
	1997	17	8	(D)	6
number, 2002	8	(D)	(D)	(D)	(D)
	1997	25	10	-	4
Cotton pickers and strippers .....	farms, 2002	-	-	-	-
	1997	-	-	-	-
number, 2002	-	-	-	-	-
	1997	-	-	-	-
Forage harvesters, self-propelled (see text) .....	farms, 2002	4	1	2	1
	1997	(NA)	(NA)	(NA)	(NA)
number, 2002	4	(D)	(D)	(D)	(NA)
	1997	(NA)	(NA)	(NA)	(NA)
Hay balers .....	farms, 2002	14	11	1	2
	1997	15	12	2	1
number, 2002	16	(D)	(D)	-	(D)
	1997	19	14	(D)	(D)
<b>2002 INVENTORY</b>					
Manufactured 1998 to 2002:					
Tractors .....	farms	835	425	176	95
	number	1,229	538	368	115
Less than 40 horsepower (PTO) .....	farms	649	317	133	78
	number	858	380	238	80
40 to 99 horsepower (PTO) .....	farms	198	114	46	16
	number	279	138	78	20
100 horsepower (PTO) or more .....	farms	54	19	18	13
	number	92	20	52	15
Grain and bean combines .....	farms	1	-	1	-
	number	(D)	-	(D)	-
Cotton pickers and strippers .....	farms	-	-	-	-
	number	-	-	-	-
Forage harvesters, self-propelled (see text) .....	farms	1	-	-	1
	number	(D)	-	-	(D)
Hay balers .....	farms	9	9	-	-
	number	9	9	-	-
Manufactured prior to 1998:					
Tractors .....	farms	2,359	1,049	543	400
	number	3,991	1,644	967	707
Less than 40 horsepower (PTO) .....	farms	1,693	736	444	278
	number	2,253	962	610	341
40 to 99 horsepower (PTO) .....	farms	817	323	187	156
	number	1,436	582	303	289
100 horsepower (PTO) or more .....	farms	185	82	25	35
	number	302	100	54	77
Grain and bean combines .....	farms	6	1	2	2
	number	(D)	(D)	(D)	(D)

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**Table 38. Machinery and Equipment on Operation: 2002 and 1997 - Con.**

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Item	Hawaii	Hawaii	Honolulu	Kauai	Maui
<b>2002 INVENTORY - Con.</b>					
Manufactured prior to 1998 - Con.					
Cotton pickers and strippers .....	-	-	-	-	-
farms number					
Forage harvesters, self-propelled (see text) .....	3	1	2	-	-
farms number	(D)	(D)	(D)		
Hay balers .....	5	2	1	-	2
farms number	7	(D)	(D)		(D)

**Table 39. Fertilizers and Chemicals Applied: 2002 and 1997**

[Data are based on a sample of farms. For meaning of abbreviations and symbols, see introductory text]

Item	Hawaii	Hawaii	Honolulu	Kauai	Maui
Commercial fertilizer, lime, and soil conditioners <sup>1</sup> .....					
farms, 2002	4,042	2,578	628	315	521
1997	3,974	2,585	623	278	488
acres treated, 2002	127,996	43,697	17,864	14,790	51,645
1997	133,927	32,936	16,242	32,415	52,334
Cropland fertilized, except cropland pastured .....					
farms, 2002	3,941	2,518	617	307	499
1997	3,900	2,540	621	271	468
acres treated, 2002	116,609	40,988	15,614	(D)	(D)
1997	130,267	(D)	(D)	32,285	52,168
Pastureland and rangeland fertilized .....					
farms, 2002	134	77	22	9	26
1997	105	67	3	12	23
acres treated, 2002	11,387	2,709	2,250	(D)	(D)
1997	3,660	(D)	(D)	130	166
Manure .....					
farms, 2002	730	468	80	31	151
1997	(NA)	(NA)	(NA)	(NA)	(NA)
acres treated, 2002	3,812	2,136	951	412	313
1997	(NA)	(NA)	(NA)	(NA)	(NA)
Chemicals used to control-insects <sup>2</sup> .....					
farms, 2002	1,840	958	407	114	361
1997	1,604	867	394	104	239
acres treated, 2002	41,616	14,536	13,575	3,604	9,901
1997	34,673	8,939	14,615	3,174	7,945
Weeds, grass, or brush .....					
farms, 2002	2,820	1,831	405	226	358
1997	2,685	1,844	342	198	301
acres treated, 2002	101,258	29,117	13,986	17,222	40,933
1997	122,576	30,378	15,246	33,849	43,103
Nematodes .....					
farms, 2002	275	145	42	23	65
1997	350	226	43	25	56
acres treated, 2002	8,169	879	4,861	699	1,730
1997	11,086	1,540	(D)	(D)	4,581
Diseases in crops and orchards .....					
farms, 2002	800	404	138	62	196
1997	1,033	589	211	66	167
acres treated, 2002	30,824	16,290	6,749	4,620	3,165
1997	33,343	4,868	6,575	(D)	(D)
Chemicals used to control growth, thin fruit, or defoliate .....					
farms, 2002	216	140	45	25	6
1997	184	116	26	19	23
acres on which used, 2002	26,378	1,396	306	(D)	(D)
1997	15,184	916	(D)	(D)	(D)

<sup>1</sup> Data for 1997 exclude lime.

<sup>2</sup> Data for 1997 include treatment of crops, including hay, but not other land.