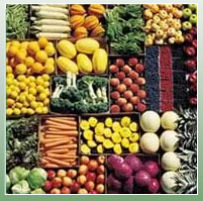
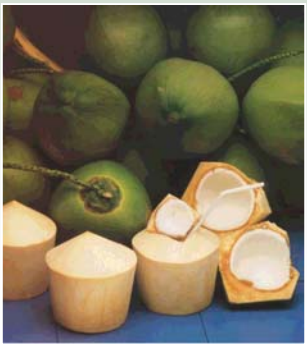


CROPS STATISTICS OF THE PHILIPPINES 1990 - 2004



Department of Agriculture
BUREAU OF AGRICULTURAL STATISTICS

MAY 2005

FOREWORD

This is the second issue of **Crops Statistics of the Philippines**, which updates the annual data series to 2004. It contains the revisions made on the data on a few crops for 2003 to account for the results of data validation activities and latest available information. Statistics for earlier years are presented in selected points only, i.e. 1990, 1995 and 2000. Thereafter, the data are presented yearly up to 2004.

As in the previous issue, this publication presents statistics of 21 major crops which collectively account for 95 percent of total crop production. More than 20 minor priority crops are also included. These crops are sub-divided into Cereals, Fruit Crops, Non-Food and Industrial Crops and Vegetable and Rootcrops.

The Bureau of Agricultural Statistics (BAS) would welcome comments and suggestions for the improvement of this report.

ROMEO S. RECIDE
Director

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EXPLANATORY TEXT

Scope and Coverage

Crop production statistics are generated for all regions and provinces except Batanes. Quarterly crop surveys and monitoring activities are focused on the following forty five (45) major and priority crops:

	MAJOR CROPS	PRIORITY CROPS
CEREALS	Palay and corn	
FRUIT CROPS	Banana, calamansi, Mango, pineapple	Durian, mandarin, mangosteen, lanzones, papaya, rambutan, watermelon
INDUSTRIAL & NON-FOOD CROPS	Abaca, coconut, coffee, rubber, sugarcane tobacco	Cacao, cashew, cotton
VEGETABLES & ROOTCROPS	Cabbage, camote, cassava, onion, eggplant, garlic, mongo, peanut, tomato	Ampalaya, asparagus, broccoli, carrots, cauliflower, chayote, gabi, ginger, gourd, white potato, habitchuelas lettuce, okra, ubi

Sampling Methodology

The sampling design of rice and corn production survey is still based on the results of 1991 Census of Agriculture (CAF). The survey domain is the province. It employs a replicated two-stage stratified sampling design. The barangay is the primary sampling unit (psu) which is selected using a probability proportional to size (pps) scheme. The farming household serves as the secondary sampling unit (ssu) which is selected systematically.

For crops other than palay and corn, a “5 x 5” design is used in the selection of samples with the province as the domain. The top five producing municipalities are chosen from each province. From each of these municipalities, five sample farmers are selected as respondents.

Data Collection

For cereals, data collection is done quarterly during the first twelve days of the month after the reference quarter. For crops other than palay and corn, quarterly data collection is conducted simultaneously with the Farm Prices Survey during the last ten days of February, May, August and November.

Each round of the Rice and Corn Production Survey generates the following: (1) Final estimate of production for the immediate past quarter of the current survey round; (2) Forecast production for the current quarter based on standing crop; and (3) Forecast production for the next quarter based on planting intentions of farmers.

Data Review and Analysis

Data review and analysis are conducted quarterly to ascertain the accuracy of the data collected from probability surveys and monitoring activities. These activities start at the Provincial Operations Center after data processing using prescribed review materials. All provincial estimates undergo further data review at the regional level. All validated regional and provincial estimates are brought to the Central Office for final review. The BAS Director presides over the National Data Review which is participated in by the Assistant Director and Division Chiefs.

Concepts and Definitions

The following concepts and definitions are used in the generation of statistics for crops.

Area Harvested - The actual area from which harvests are realized. This excludes crop area totally damaged. It maybe smaller than area planted. In crop statistics, this applies to temporary crops.

Area Planted - The actual physical area planted to a permanent crop. This generally applies to area reported for permanent fruit crops.

Bearing Trees/Hills/Vines - Trees/hills/vines where harvesting has been made in the past but may or may not have borne fruits during the reference period due to cyclical production pattern of the crop. Hills applies to banana.

Effective Crop Area Harvested - The actual area from which harvests are realized which is counted as many times as it was planted and harvested to same crops or different crops during the reference period. This concept applies to the harvest area reported for temporary crops such as rice, corn, vegetables, rootcrops and tubers and temporary fruit crops.

High Yielding Variety - An improved cultivated variety with significantly higher yield and better quality under specific environment and improved farming conditions and practices than the traditional seed varieties being used; or any agricultural crop variety that can equal or exceed the yield of the current commercially grown variety in a particular locality. HYV may be locally or foreign bred.

Industrial Crops - Crops which are used as inputs to other industries. Examples are: rubber, castor beans, abaca and oil palm.

Irrigated Palay - Palay which needs standing water for its normal growth. It is one that requires irrigation water made available through artificial means (gravity, force, power pumps, etc.) It is not confined to lowlands but also to higher places where paddies are built for planting palay.

Major Crops - The top 21 crops including palay and corn which collectively account for about 95 percent of the total agricultural crop production. These include coconut, sugarcane, banana, pineapple, coffee, mango, tobacco, abaca, peanut, mongo, cassava, camote, tomato, garlic, onion, cabbage, eggplant, calamansi and rubber.

Minor Crops - All the crops other than the major crops monitored by the Bureau. This group accounts for about 5% of the total crop production.

Non-Food Crops - Crops other than for food consumption. Examples are: fibers, grasses and cutflowers.

Permanent/Perennial Crops - Crops which occupy the land for a long period of time and do not need to be replaced after each harvest such as fruit trees, shrubs, nuts, etc. These crops may be productive, i.e., have already borne fruits or capable of bearing fruits. Examples are: avocado, coffee, coconut and other fruit trees.

Priority Crops - The identified national banner crops and various regional priority crops of the Key Commercial Crops Development Program (KCCDP), High Value Commercial Crops (HVCC) Program and now the Key Commodity Road Maps of the Department of Agriculture, which are being developed because of their industrial and commercial potentials. Examples are: cashew, durian, highland vegetables, papaya, lanzones, ginger, etc.

Production - The quantity produced and actually harvested for a particular crop during the reference period. It includes those harvested but damaged, stolen, given away, consumed, given as harvester's share, reserved etc. Excluded are those produced but not harvested due to low price, lack of demand and force majeure or fortuitous events, etc.

Rainfed Palay - Consists of lowland and upland palay. Lowland palay requires standing water for its normal growth but depends only on rainfall. Paddies were built to hold water. Upland palay does not require standing water for its normal growth and is usually grown on soil usually dry on the surface. It also depends only on rainfall. Both are not necessarily confined to lowlands but also to higher places or hillsides.

Root crops	-	Crops with well developed underground edible roots. They are classified into tubers and roots. Roots which are more starchy and rich in carbohydrates include gabi, ubi and white potato. Tubers include beets, radish, carrots and turnips.
Temporary Crops	-	Crops which are grown seasonally and whose Growing cycle is less than one year and which must be sown and planted again for production after each harvest.
Vegetable Crops	-	Mostly temporary crops which are either classified agronomically as such or based on purpose for which they are used, like jackfruit which on their young stage, are classified as vegetables.
White Corn	-	Corn kernels of white color with no more than two percent (2%) of other colors.
Yellow Corn	-	Yellow corn kernels with not more than two percent (2%) of other colors. A slight tinge of other colors, other than yellow, shall not affect their qualification as yellow corn.
Yield	-	An indicator of productivity derived by dividing total production by the area harvested for temporary crops or by the total bearing trees among permanent crops. Unit is in metric ton per hectare or kilos per bearing tree.

HIGHLIGHTS

The years 2000 through 2004 witnessed a generally blooming trend in palay production with annual growth of 3.6 percent following the expansion in harvest area by 0.3 percent and increment in yield by 3.3 percent. Production of irrigated and rainfed palay farms increased by 3.5 percent and 3.8 percent, respectively during the same period. In 2004, irrigated farms accounted for 75 percent of total palay production with the remainder attributed to rainfed farms. The top five producing regions – Central Luzon, Western Visayas, Cagayan Valley, Ilocos Region and SOCCSKSARGEN contributed 60 percent to the national palay output.

From 2000 to 2004, corn production went up by 3.8 percent yearly as a result mainly of annual increase in corn yield by 4.0 percent. Production of white and yellow corn increased yearly by 4.0 and 3.7 percent, respectively. The increase in yields was attributed to the sustained use of quality seeds and the favorable weather conditions which boosted productivity.

Yellow corn accounted for 59 percent of total corn production but contributed only 38 percent of total corn area. Yellow corn yield was more than double the yield of white corn. The top four producing regions – Cagayan Vallley, SOCCSKSARGEN, Northern Mindanao and ARMM accounted for a combined 70 percent of total national corn output for the year 2004.

Banana production grew annually by 3.4 percent over the last 5 years. Davao Region, the top banana producing region in the country, contributed 41 percent to the total volume of production and shared 16 percent to the total area planted.

National mango production decreased by about 4 percent in 2004 despite the 3 percent increment in Ilocos, the top mango producing region which shared 45 percent of the total mango production. In terms of area planted, the largest was recorded in Central Luzon with 30,609 hectares, which was about 19 percent of the total national area planted.

Pineapple production in the country went up by 3.6 percent from 2003 to 2004. Northern Mindanao produced the biggest volume, which was 51 percent of output. Volume of production in the region amounting to 889,593 metric tons in 2004 was 6 percent higher compared to its previous year's level. The region shared 38 percent of the total area planted, the largest among all regions.

For the last 5 years, calamansi production slightly declined annually by 0.3 percent. About 61 percent of the total calamansi production were produced in MIMAROPA. The region shared the largest area of about 40 percent of the total area planted in the country.

A significant 16 percent increase in watermelon production was observed in 2004. The said growth was attributed largely to the 29 percent increase in Western Visayas which shared 33 percent of the total production. Watermelon production in Ilocos Region, the top producing region with 37 percent contribution to the total production, grew only by 3 percent.

Production of cotton, rubber, sugarcane and coconut grew yearly by 25.1, 6.3, 3.5 and 2.8 percent, respectively from 2000 to 2004. Output gains were attributed mainly to yield increase. Cashew and tobacco had minimal output increases of 1.2 percent and 0.2 percent, respectively. On the other hand, cacao, abaca and coffee recorded annual declines of 4.6, 2.5 and 1.8 percent, respectively during the same period.

Western Visayas and Davao Region, were the top producing regions for sugarcane and coconut. In 2004, they recorded increases in production of sugarcane by 7.5 percent (Western Visayas) and coconut by 1.63 percent (Davao Region. Likewise, SOCCSKSARGEN, the number one producing region of rubber and cotton had remarkable growth rates in rubber (399%) and cotton (15%) for the same year. However, the top producing region of coffee which was Davao posted a drop in output by 7.8 percent for the same period.

Of the total area devoted to non-food and industrial crops, coconut accounted for 78 percent; sugarcane, 38 percent; rubber, 2 percent; and other crops, 11 percent.

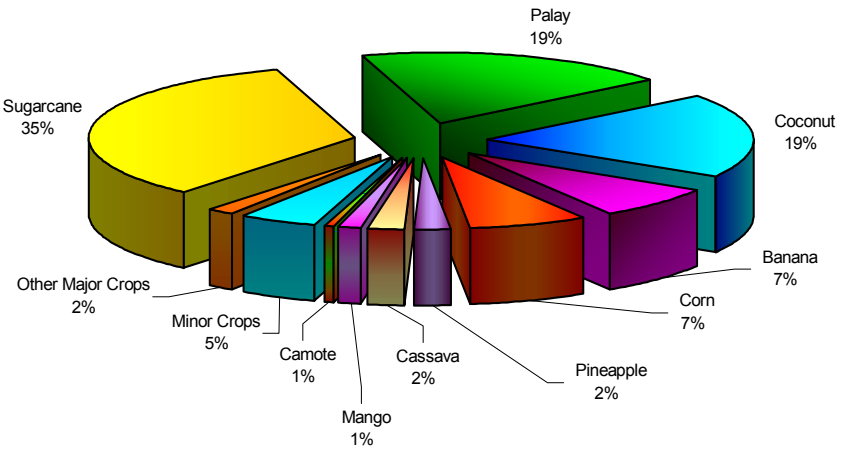
From 2000 to 2004, output of major crops like camote, cassava and mongo declined yearly by 0.3 percent, 1.6 percent and 1.4 percent, respectively. These crops accounted for 49.6 percent of the total production of vegetables and rootcrops.

The decline in camote production was due to reduction in area harvested in Camarines Sur resulting from stoppage in operation of a processing plant in this province in 2003. Similarly, production of cassava declined as a result of unfavorable peace and order situation in the top producing provinces of Lanao Sur and Sulu.

Gourd and asparagus production grew by 36.9 percent and 30.7 percent, respectively. These crops led the growth performance of minor priority crops. High production of asparagus was attributed to the booming export production to Japan by the Bukidnon Highland Produce Inc. (BHPI) and the Lapanday Dole group of companies. From 2000 to 2004, outputs of highland vegetables were growing - lettuce, by 4.5 percent; broccoli, by 2.6 percent and irish potato by 2.1 percent. The shift from traditional to more profitable cash crops accounted for the marked increases in production among the rest of the priority crops.

I. SUMMARY

Distribution of Crop Production, Philippines, 2004



Distribution of Crop Area, Philippines, 2004

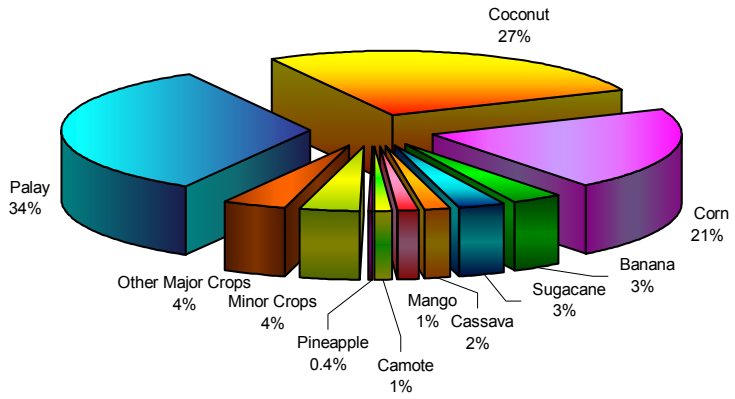


TABLE 1.0: PRODUCTION IN METRIC TONS OF SELECTED CROPS, PHILIPPINES, 1990-2004

CROP	1990	1995	2000	2001	2002	2003R	2004P
Cereals							
Palay	9,319,276	10,540,649	12,389,412	12,954,870	13,270,653	13,499,884	14,496,784
Irrigated	6,604,826	7,598,555	9,412,676	9,790,260	9,949,173	10,250,223	10,941,836
Rainfed	2,714,450	2,942,094	2,976,736	3,164,610	3,321,480	3,249,661	3,554,948
Corn	4,853,891	4,128,510	4,511,104	4,525,012	4,319,262	4,615,625	5,413,386
White	2,965,557	1,862,423	1,889,338	1,917,654	1,796,929	2,052,684	2,227,430
Yellow	1,888,334	2,266,087	2,621,766	2,607,358	2,522,333	2,562,941	3,185,956
Fruit Crops							
Banana	3,539,616	4,236,253	4,929,570	5,059,360	5,274,826	5,368,977	5,631,250
Calamansi	154,728	161,454	180,844	181,747	180,999	180,923	179,020
Durian	26,323	28,525	25,764	27,037	31,638	39,817	40,907
Lanzones	168,947	113,299	43,417	45,903	47,752	51,790	50,172
Mandarin	22,532	20,657	19,084	19,626	20,423	20,266	19,898
Mango	453,986	697,066	848,328	881,710	956,033	1,006,191	967,473
Mangosteen	5,588	4,906	4,610	4,780	5,018	4,901	4,863
Orange	9,223	8,270	8,021	8,243	7,804	7,432	6,293
Papaya	84,855	108,409	121,304	127,787	127,680	130,764	133,876
Pineapple	1,421,663	1,646,268	1,559,563	1,617,906	1,639,161	1,697,952	1,759,813
Rambutan	11,168	12,126	11,894	13,099	11,606	11,901	12,088
Tamarind	12,484	14,464	12,507	13,596	13,878	14,964	13,408
Watermelon	87,506	82,435	59,382	58,284	78,935	92,498	107,057
Non Food & Industrial Crops							
Abaca	59,418	64,833	77,180	72,861	63,028	69,765	74,465
Cacao	9,848	7,927	6,628	6,531	5,803	5,693	5,648
Cashew	97,674	153,567	111,019	111,153	111,223	111,291	116,910
Coconut	11,941,960	12,790,840	12,994,654	13,146,052	14,068,495	14,294,203	14,366,184
Coffee	125,659	127,412	107,557	112,271	107,080	106,388	102,865
Cotton	12,520	8,093	1,114	2,489	4,541	2,231	4,297
Rubber	185,392	181,619	216,309	264,042	267,712	273,979	311,294
Sugarcane	18,666,861	17,774,401	21,223,438	21,708,722	21,417,288	23,978,373	25,579,214
Tobacco	81,723	63,705	49,529	48,173	50,174	52,903	48,308
Vegetables, Root Crops & Tubers							
Asparagus	1,908	10,842	6,429	8,577	12,566	15,211	22,367
Brocolli	197	2,126	1,571	1,607	1,634	1,669	1,757
Cabbage	117,202	129,989	87,576	89,542	91,368	91,982	92,782
Camote	643,797	667,946	554,003	545,409	549,392	546,971	545,147
Carrots	36,985	31,953	34,600	33,793	34,512	34,666	35,784
Cassava	1,853,385	1,905,903	1,765,712	1,652,036	1,625,739	1,622,242	1,640,520
Cauliflower	3,282	6,302	12,180	12,298	12,284	12,324	12,007
Eggplant	112,704	130,702	166,146	169,819	179,659	176,991	182,753
Gabi	107,092	104,931	95,932	96,861	101,155	100,705	102,274
Garlic	17,849	17,227	13,688	15,364	16,257	15,529	14,999
Ginger	21,811	22,704	22,679	23,424	23,022	22,616	24,063
Gourd	40,085	30,304	37,113	34,980	33,926	128,387	124,251
Habitchuelas	9,490	11,289	11,757	11,603	11,847	11,549	11,856
Lettuce	1,514	1,775	1,421	1,475	1,495	1,579	1,721
Mongo	26,655	26,651	27,465	27,757	27,351	25,985	26,472
Okra	23,913	28,886	25,452	25,160	25,254	22,992	24,913
Onion	61,470	88,427	84,216	82,606	96,358	93,842	86,741
Peanut	34,875	36,200	26,827	26,151	26,246	26,125	27,087
Pechay-Chinese	26,129	38,344	34,220	35,307	34,885	34,894	35,432
Pechay-Native	29,304	28,012	37,365	37,400	39,684	41,288	41,339
Tomato	183,962	155,823	148,101	146,031	149,259	150,055	172,344
Ubi	21,576	26,176	25,611	24,287	26,238	27,884	28,526
White Potato	58,286	85,302	63,524	66,016	67,540	68,050	69,456

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TABLE 2.0: AREA HARVESTED IN HECTARES OF SELECTED CROPS, PHILIPPINES, 1990-2004

CROP	1990	1995	2000	2001	2002	2003R	2004P
Cereals							
Palay	3,318,720	3,758,691	4,038,085	4,065,441	4,046,318	4,006,421	4,126,645
Irrigated	2,009,930	2,334,373	2,703,354	2,726,876	2,706,298	2,718,538	2,792,196
Rainfed	1,308,790	1,424,318	1,334,731	1,338,565	1,340,020	1,287,883	1,334,449
Corn	3,819,560	2,692,332	2,510,342	2,486,588	2,395,456	2,409,828	2,527,135
White	2,738,540	1,670,318	1,573,408	1,565,112	1,503,118	1,564,943	1,562,347
Yellow	1,081,020	1,022,014	936,934	921,476	892,338	844,885	964,788
Fruit Crops							
Banana	311,819	339,398	382,491	386,703	398,005	408,000	414,510
Calamansi	14,761	16,972	19,418	19,668	19,781	19,947	20,013
Durian	3,436	3,756	7,010	9,591	10,266	11,524	12,996
Lanzones	14,046	13,942	16,131	16,557	16,786	17,032	17,276
Mandarin	8,735	7,675	9,135	9,151	9,114	9,102	8,917
Mango	77,137	108,144	133,815	137,050	150,505	155,852	158,943
Mangosteen	1,072	1,128	1,354	1,465	1,516	1,589	1,645
Orange	2,104	2,074	2,280	2,299	2,286	2,275	2,269
Papaya	6,244	7,161	8,440	8,422	8,761	8,871	8,969
Pineapple	40,795	41,580	42,968	44,341	44,961	47,663	48,238
Rambutan	2,637	2,898	4,023	4,630	4,743	4,861	5,173
Tamarind	1,952	2,135	2,553	2,653	2,666	2,722	2,740
Watermelon	6,364	6,066	4,046	3,690	4,879	5,316	5,779
Non Food & Industrial Crops							
Abaca	102,494	105,641	106,816	107,145	121,941	121,476	127,461
Cacao	18,377	16,235	12,077	11,997	11,525	10,846	10,845
Cashew	25,646	28,353	27,981	27,979	27,863	27,835	27,802
Coconut	3,111,978	3,094,504	3,143,909	3,148,651	3,181,670	3,216,528	3,258,576
Coffee	144,007	140,897	136,921	135,354	132,408	131,790	131,206
Cotton	10,569	7,675	2,535	3,219	4,163	1,994	2,972
Rubber	86,332	86,668	81,036	78,108	81,312	80,524	80,696
Sugarcane	235,269	302,005	383,824	373,705	359,867	383,901	388,637
Tobacco	63,200	56,306	44,042	40,903	40,660	41,721	33,773
Vegetables, Root Crops & Tubers							
Asparagus	262	1,291	1,502	1,784	2,270	1,513	1,654
Brocolli	20	167	156	157	158	160	173
Cabbage	8,626	8,529	7,672	7,711	7,802	7,746	7,705
Camote	136,717	145,236	127,682	124,637	122,487	122,239	120,531
Carrots	3,225	3,187	3,414	3,441	3,536	3,505	3,562
Cassava	213,653	225,751	210,208	208,183	207,620	209,214	205,755
Cauliflower	380	520	961	989	976	985	1,044
Eggplant	16,425	17,643	19,949	20,422	20,813	20,984	21,068
Gabi	22,252	21,424	17,999	18,072	18,332	18,202	18,081
Garlic	6,406	6,299	5,269	5,707	5,637	5,459	5,312
Ginger	3,519	3,543	3,583	3,681	3,643	3,611	3,795
Gourd	3,271	2,689	3,091	2,954	3,040	10,269	9,675
Habitchuelas	2,258	3,031	3,060	3,009	3,078	3,098	3,163
Lettuce	218	254	207	211	210	217	252
Mongo	36,593	34,781	39,661	37,127	36,510	35,618	36,300
Okra	2,368	2,861	2,907	2,972	3,024	3,018	3,109
Onion	6,422	8,693	9,579	10,094	10,035	9,516	9,513
Peanut	44,489	47,555	26,866	26,668	27,057	26,709	26,896
Pechay-Chinese	2,278	2,865	2,986	3,031	3,003	2,998	3,034
Pechay-Native	5,333	4,729	6,708	6,712	6,854	7,158	6,893
Tomato	20,037	17,896	16,692	16,496	16,699	16,779	17,687
Ubi	4,250	5,446	5,321	5,015	5,404	5,707	5,806
White Potato	4,217	5,364	5,172	5,322	5,366	5,394	5,446

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TABLE 3.0: YIELD PER HECTARE IN METRIC TONS OF SELECTED CROPS, PHILIPPINES, 1990-2004

CROP	1990	1995	2000	2001	2002	2003R	2004P
Cereals							
Palay	2.81	2.80	3.07	3.19	3.28	3.37	3.51
Irrigated	3.29	3.26	3.48	3.59	3.68	3.77	3.92
Rainfed	2.07	2.07	2.23	2.36	2.48	2.52	2.66
Corn	1.27	1.53	1.80	1.82	1.80	1.92	2.14
White	1.08	1.12	1.20	1.23	1.20	1.31	1.43
Yellow	1.75	2.22	2.80	2.83	2.83	3.03	3.30
Fruit Crops							
Banana	11.35	12.48	12.89	13.08	13.25	13.16	13.59
Calamansi	10.48	9.51	9.31	9.24	9.15	9.07	8.95
Durian	7.66	7.59	3.68	2.82	3.08	3.46	3.15
Lanzones	12.03	8.13	2.69	2.77	2.84	3.04	2.90
Mandarin	2.58	2.69	2.09	2.14	2.24	2.23	2.23
Mango	5.89	6.45	6.34	6.43	6.35	6.46	6.09
Mangosteen	5.21	4.35	3.40	3.26	3.31	3.08	2.96
Orange	4.38	3.99	3.52	3.59	3.41	3.27	2.77
Papaya	13.59	15.14	14.37	15.17	14.57	14.74	14.93
Pineapple	34.85	39.59	36.30	36.49	36.46	35.62	36.48
Rambutan	4.24	4.18	2.96	2.83	2.45	2.45	2.34
Tamarind	6.40	6.78	4.90	5.12	5.21	5.50	4.89
Watermelon	13.75	13.59	14.68	15.80	16.18	17.40	18.52
Non Food & Industrial Crops							
Abaca	0.58	0.61	0.72	0.68	0.52	0.57	0.58
Cacao	0.54	0.49	0.55	0.54	0.50	0.52	0.52
Cashew	3.81	5.42	3.97	3.97	3.99	4.00	4.21
Coconut	3.84	4.13	4.13	4.18	4.42	4.44	4.41
Coffee	0.87	0.90	0.79	0.83	0.81	0.81	0.78
Cotton	1.18	1.05	0.44	0.77	1.09	1.12	1.45
Rubber	2.15	2.10	2.67	3.38	3.29	3.40	3.86
Sugarcane	79.34	58.85	55.29	58.09	59.51	62.46	65.82
Tobacco	1.29	1.13	1.12	1.18	1.23	1.27	1.43
Vegetables, Root Crops & Tubers							
Asparagus	7.28	8.40	4.28	4.81	5.54	10.05	13.52
Brocolli	9.86	12.73	10.07	10.23	10.34	10.43	10.15
Cabbage	13.59	15.24	11.42	11.61	11.71	11.87	12.04
Camote	4.71	4.60	4.34	4.38	4.49	4.47	4.52
Carrots	11.47	10.03	10.13	9.82	9.76	9.89	10.05
Cassava	8.67	8.44	8.40	7.94	7.83	7.75	7.97
Cauliflower	8.64	12.12	12.67	12.44	12.59	12.51	11.50
Eggplant	6.86	7.41	8.33	8.32	8.63	8.43	8.67
Gabi	4.81	4.90	5.33	5.36	5.52	5.53	5.66
Garlic	2.79	2.73	2.60	2.69	2.88	2.84	2.82
Ginger	6.20	6.41	6.33	6.36	6.32	6.26	6.34
Gourd	12.25	11.27	12.01	11.84	11.16	12.50	12.84
Habitchuelas	4.20	3.72	3.84	3.86	3.85	3.73	3.75
Lettuce	6.95	6.99	6.87	6.99	7.12	7.28	6.83
Mongo	0.73	0.77	0.69	0.75	0.75	0.73	0.73
Okra	10.10	10.10	8.76	8.47	8.35	7.62	8.01
Onion	9.57	10.17	8.79	8.18	9.60	9.86	9.12
Peanut	0.78	0.76	1.00	0.98	0.97	0.98	1.01
Pechay-Chinese	11.47	13.38	11.46	11.65	11.62	11.64	11.68
Pechay-Native	5.49	5.92	5.57	5.57	5.79	5.77	6.00
Tomato	9.18	8.71	8.87	8.85	8.94	8.94	9.74
Ubi	5.08	4.81	4.81	4.84	4.86	4.89	4.91
White Potato	13.82	15.90	12.28	12.40	12.59	12.62	12.75

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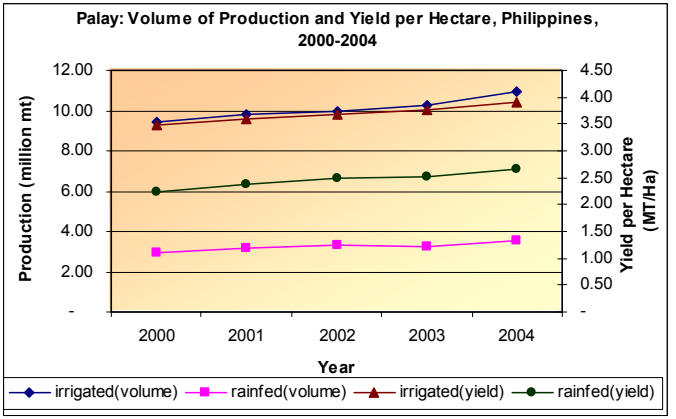
TABLE 4.0: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE, PHILIPPINES, 1990-2004

CROP	1990	1995	2000	2001	2002	2003[R]	2004
BEARING TREES (no.)							
Banana	137,097,761	163,136,763	181,094,490	184,910,814	193,330,664	193,398,435	201,577,752
Cacao	5,752,940	5,527,038	4,694,696	4,639,556	4,333,714	4,098,567	4,257,821
Calamansi	5,804,794	6,341,165	7,888,304	8,134,837	8,182,385	8,273,114	8,304,134
Cashew	3,178,109	3,544,572	3,535,743	3,535,499	3,520,050	3,516,080	3,516,314
Coconut	302,297,227	301,309,547	300,833,466	297,438,528	312,944,023	324,324,277	331,465,540
Coffee	99,499,931	100,062,397	95,112,874	95,961,496	93,536,210	91,522,202	91,866,361
Durian	186,158	200,937	343,642	383,388	430,348	489,945	542,689
Lanzones	1,638,950	1,620,530	1,808,363	1,831,586	1,872,041	1,891,840	1,904,109
Mandarin	615,895	613,196	1,034,935	1,040,753	1,062,053	1,064,979	1,067,723
Mango	3,694,476	4,699,563	6,244,847	6,461,116	6,788,835	6,856,846	7,054,605
Mangosteen	154,766	158,248	161,818	169,686	175,485	175,536	184,755
Orange	314,412	317,187	299,045	301,980	298,075	309,436	302,852
Papaya	3,673,692	4,306,321	5,057,559	5,222,599	5,194,779	5,351,139	5,352,371
Rambutan	470,369	513,053	399,264	413,298	403,122	427,081	430,287
Rubber	18,729,000	23,886,000	25,250,262	25,190,726	25,127,597	25,415,604	27,703,924
Tamarind	140,626	166,657	171,211	170,473	162,361	159,369	155,749
PLANTING DENSITY (Btrees/ha)							
Banana	440	440	440	440	440	440	440
Cacao	313	340	389	387	376	378	393
Calamansi	393	374	406	414	414	415	415
Cashew	124	125	126	126	126	126	126
Coconut	40	97	96	94	98	101	102
Coffee	691	710	695	709	706	694	700
Durian	54	53	49	40	42	43	42
Lanzones	117	116	112	111	112	111	110
Mandarin	71	80	113	114	117	117	120
Mango	48	43	47	47	45	44	44
Mangosteen	144	140	120	116	116	110	112
Orange	149	153	131	131	130	136	133
Papaya	588	601	599	620	593	603	597
Rambutan	178	177	99	89	85	88	83
Rubber	217	276	312	323	309	316	343
Tamarind	72	78	67	64	61	59	57
YIELD PER BEARING TREE (kg)							
Banana	26	26	26	26	26	26	26
Cacao	2	1	1	1	1	1	1
Calamansi	27	25	23	22	22	22	22
Cashew	31	43	31	31	32	32	33
Coconut	40	42	43	44	45	44	43
Coffee	1	1	1	1	1	1	1
Durian	141	142	75	71	74	81	75
Lanzones	103	70	24	25	26	27	26
Mandarin	37	34	18	19	19	19	19
Mango	123	148	136	136	141	147	137
Mangosteen	36	31	28	28	29	28	26
Orange	29	26	27	27	26	24	21
Papaya	23	25	24	24	25	24	25
Rambutan	24	24	30	32	29	28	28
Rubber	10	8	9	10	11	11	11
Tamarind	89	87	73	80	85	94	86

R - Revised

II. CEREALS


Palay: Volume of Production and Yield per Hectare, Philippines, 2000-2004
Production (million mt)
Yield per Hectare (MT/Ha)
12.00
10.00
8.00
6.00
4.00
2.00
-
4.50
4.00
3.50
3.00
2.50
2.00
1.50
1.00
0.50
-
2000
2001
2002
2003
2004
Year
irrigated(volume)
rainfed(volume)
irrigated(yield)
rainfed(yield)

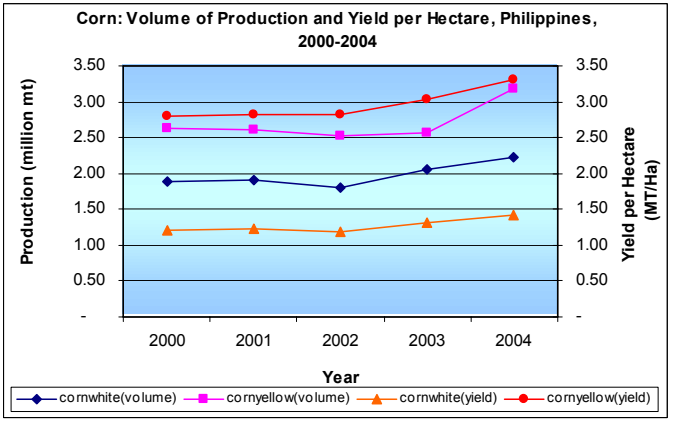

Corn: Volume of Production and Yield per Hectare, Philippines, 2000-2004
Production (million mt)
Yield per Hectare (MT/Ha)
3.50
3.00
2.50
2.00
1.50
1.00
0.50
-
2000
2001
2002
2003
2004
Year
cornwhite(volume)
cornyellow(volume)
cornwhite(yield)
cornyellow(yield)

TABLE 2.1 PALAY: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**9,319,276**	**10,540,649**	**12,389,412**	**12,954,870**	**13,270,653**	**13,499,884**	**14,496,784**
CAR	165,585	193,221	255,820	314,295	304,355	300,776	355,877
Ilocos Region	847,691	886,517	1,207,890	1,227,227	1,222,292	1,304,374	1,317,574
Cagayan Valley	1,164,758	1,349,258	1,785,137	1,810,196	1,707,575	1,666,484	1,892,311
Central Luzon	1,963,919	1,822,089	1,960,232	2,173,837	2,240,379	2,395,461	2,466,441
CALABARZON	421,188	334,811	376,439	396,000	377,513	376,534	402,066
MIMAROPA	483,109	593,285	758,719	745,969	799,627	818,182	799,768
Bicol Region	686,998	598,618	672,293	697,287	756,808	761,048	943,214
Western Visayas	886,732	1,291,275	1,608,337	1,589,531	1,732,602	1,767,530	1,935,869
Central Visayas	182,940	230,759	215,192	225,192	218,724	193,287	228,896
Eastern Visayas	337,459	446,057	517,558	565,895	622,435	674,096	721,932
Zamboanga Peninsula	342,690	342,836	443,598	431,080	505,117	524,077	546,925
Northern Mindanao	365,544	510,704	499,605	531,776	532,508	489,872	465,872
Davao Region	515,745	381,470	388,183	402,441	440,152	459,444	480,371
SOCCSKSARGEN	517,660	827,550	1,044,794	1,063,220	1,060,916	1,025,035	1,097,135
CARAGA	225,917	402,359	308,066	336,365	327,070	344,706	351,629
ARMM	211,341	329,840	347,549	444,559	422,580	398,978	490,904
AREA (ha)							
PHILIPPINES	**3,318,720**	**3,758,691**	**4,038,085**	**4,065,441**	**4,046,318**	**4,006,421**	**4,126,645**
CAR	64,570	76,387	85,084	98,017	96,231	94,431	100,171
Ilocos Region	306,490	322,964	351,217	352,791	354,128	354,360	363,045
Cagayan Valley	347,650	403,111	492,933	498,929	460,914	450,379	488,595
Central Luzon	538,990	568,082	552,261	557,970	554,876	569,729	565,752
CALABARZON	166,400	142,420	127,807	128,731	124,368	123,062	121,023
MIMAROPA	197,360	247,228	257,235	255,020	254,878	254,675	242,619
Bicol Region	275,670	281,263	289,820	285,917	275,971	277,136	300,430
Western Visayas	373,390	468,290	572,677	559,233	584,907	578,171	602,493
Central Visayas	113,470	112,630	101,193	98,472	96,518	79,898	89,436
Eastern Visayas	200,110	206,488	218,997	229,324	228,256	228,521	229,353
Zamboanga Peninsula	124,140	119,621	151,574	148,446	151,866	155,120	156,402
Northern Mindanao	112,780	139,611	144,220	146,207	144,947	135,466	129,934
Davao Region	135,960	110,971	104,348	105,956	111,719	113,777	110,797
SOCCSKSARGEN	167,780	254,332	321,506	314,888	314,632	306,243	325,102
CARAGA	85,970	146,330	117,285	120,655	118,034	113,921	115,348
ARMM	107,990	158,963	149,928	164,885	174,073	171,532	186,145
YIELD PER HECTARE (mt)							
PHILIPPINES	**2.81**	**2.80**	**3.07**	**3.19**	**3.28**	**3.37**	**3.51**
CAR	2.56	2.53	3.01	3.21	3.16	3.19	3.55
Ilocos Region	2.77	2.74	3.44	3.48	3.45	3.68	3.63
Cagayan Valley	3.35	3.35	3.62	3.63	3.70	3.70	3.87
Central Luzon	3.64	3.21	3.55	3.90	4.04	4.20	4.36
CALABARZON	2.53	2.35	2.95	3.08	3.04	3.06	3.32
MIMAROPA	2.45	2.40	2.95	2.93	3.14	3.21	3.30
Bicol Region	2.49	2.13	2.32	2.44	2.74	2.75	3.14
Western Visayas	2.37	2.76	2.81	2.84	2.96	3.06	3.21
Central Visayas	1.61	2.05	2.13	2.29	2.27	2.42	2.56
Eastern Visayas	1.69	2.16	2.36	2.47	2.73	2.95	3.15
Zamboanga Peninsula	2.76	2.87	2.93	2.90	3.33	3.38	3.50
Northern Mindanao	3.24	3.66	3.46	3.64	3.67	3.62	3.59
Davao Region	3.79	3.44	3.72	3.80	3.94	4.04	4.34
SOCCSKSARGEN	3.09	3.25	3.25	3.38	3.37	3.35	3.37
CARAGA	2.63	2.75	2.63	2.79	2.77	3.03	3.05
ARMM	1.96	2.07	2.32	2.70	2.43	2.33	2.64

TABLE 2.2 IRRIGATED PALAY: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**6,604,826**	**7,598,555**	**9,412,676**	**9,790,260**	**9,949,173**	**10,250,223**	**10,941,836**
CAR	147,596	178,902	224,319	285,183	276,325	272,135	322,192
Ilocos Region	477,013	538,317	852,863	868,878	854,598	908,912	934,314
Cagayan Valley	1,076,957	1,254,166	1,618,204	1,637,875	1,565,283	1,547,983	1,722,223
Central Luzon	1,485,592	1,502,350	1,712,113	1,866,233	1,919,829	2,095,908	2,149,102
CALABARZON	312,496	254,953	326,680	325,265	300,534	302,452	328,673
MIMAROPA	262,631	338,104	445,011	434,949	459,224	487,082	474,993
Bicol Region	508,755	445,492	458,883	480,003	521,025	533,171	684,685
Western Visayas	450,499	747,646	976,772	945,759	990,945	1,038,003	1,114,381
Central Visayas	125,646	115,816	123,524	138,048	130,937	143,305	154,392
Eastern Visayas	186,302	264,949	314,419	347,444	380,203	415,051	438,393
Zamboanga Peninsula	214,969	216,090	301,727	286,682	337,206	344,432	351,281
Northern Mindanao	334,596	469,336	461,795	484,747	484,535	454,270	427,595
Davao Region	413,015	343,141	352,902	362,967	396,574	407,394	431,080
SOCCSKSARGEN	391,986	592,595	889,938	920,532	911,394	889,816	938,798
CARAGA	139,718	231,380	221,454	237,439	238,430	250,296	260,801
ARMM	77,055	105,318	132,072	168,256	182,131	160,013	208,933
AREA (ha)							
PHILIPPINES	**2,009,930**	**2,334,373**	**2,703,354**	**2,726,876**	**2,706,298**	**2,718,538**	**2,792,196**
CAR	52,360	67,535	70,427	84,569	83,153	82,135	87,227
Ilocos Region	168,440	178,285	229,565	233,820	232,722	234,561	244,007
Cagayan Valley	292,470	345,318	416,441	423,601	394,857	394,449	420,641
Central Luzon	403,040	447,838	461,473	465,258	466,138	482,850	480,517
CALABARZON	100,830	88,786	93,469	88,375	84,057	84,049	84,346
MIMAROPA	92,820	116,940	134,619	132,611	134,053	138,986	133,273
Bicol Region	167,970	178,704	174,190	172,593	165,833	170,075	188,089
Western Visayas	155,170	224,730	294,119	282,056	294,314	294,302	304,977
Central Visayas	56,450	40,270	43,457	46,112	42,250	47,236	48,548
Eastern Visayas	71,120	90,383	94,924	102,363	103,466	103,708	104,289
Zamboanga Peninsula	64,650	62,535	90,108	88,492	92,854	91,473	89,614
Northern Mindanao	95,300	120,997	130,047	130,213	127,485	121,747	115,615
Davao Region	100,220	90,293	88,143	88,508	92,865	93,891	93,311
SOCCSKSARGEN	113,550	166,769	261,207	260,139	256,459	250,838	260,775
CARAGA	49,260	76,113	77,682	78,989	79,671	76,870	80,326
ARMM	26,280	38,877	43,483	49,177	56,121	51,368	56,641
YIELD PER HECTARE (mt)							
PHILIPPINES	**3.29**	**3.26**	**3.48**	**3.59**	**3.68**	**3.77**	**3.92**
CAR	2.82	2.65	3.19	3.37	3.32	3.31	3.69
Ilocos Region	2.83	3.02	3.72	3.72	3.67	3.87	3.83
Cagayan Valley	3.68	3.63	3.89	3.87	3.96	3.92	4.09
Central Luzon	3.69	3.35	3.71	4.01	4.12	4.34	4.47
CALABARZON	3.10	2.87	3.50	3.68	3.58	3.60	3.90
MIMAROPA	2.83	2.89	3.31	3.28	3.43	3.50	3.56
Bicol Region	3.03	2.49	2.63	2.78	3.14	3.13	3.64
Western Visayas	2.90	3.33	3.32	3.35	3.37	3.53	3.65
Central Visayas	2.23	2.88	2.84	2.99	3.10	3.03	3.18
Eastern Visayas	2.62	2.93	3.31	3.39	3.67	4.00	4.20
Zamboanga Peninsula	3.33	3.46	3.35	3.24	3.63	3.77	3.92
Northern Mindanao	3.51	3.88	3.55	3.72	3.80	3.73	3.70
Davao Region	4.12	3.80	4.00	4.10	4.27	4.34	4.62
SOCCSKSARGEN	3.45	3.55	3.41	3.54	3.55	3.55	3.60
CARAGA	2.84	3.04	2.85	3.01	2.99	3.26	3.25
ARMM	2.93	2.71	3.04	3.42	3.25	3.12	3.69

TABLE 2.3 RAINFED PALAY: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**2,714,450**	**2,942,094**	**2,976,736**	**3,164,610**	**3,321,480**	**3,249,661**	**3,554,948**
CAR	17,989	14,319	31,501	29,112	28,030	28,641	33,685
Ilocos Region	370,678	348,200	355,027	358,349	367,694	395,462	383,260
Cagayan Valley	87,801	95,092	166,933	172,321	142,292	118,501	170,088
Central Luzon	478,327	319,739	248,119	307,604	320,550	299,553	317,339
CALABARZON	108,692	79,858	49,759	70,735	76,979	74,082	73,393
MIMAROPA	220,478	255,181	313,708	311,020	340,403	331,100	324,775
Bicol Region	178,243	153,126	213,410	217,284	235,783	227,877	258,529
Western Visayas	436,233	543,629	631,565	643,772	741,657	729,527	821,488
Central Visayas	57,294	114,943	91,668	87,144	87,787	49,982	74,504
Eastern Visayas	151,157	181,108	203,139	218,451	242,232	259,045	283,539
Zamboanga Peninsula	127,721	126,746	141,871	144,398	167,911	179,645	195,644
Northern Mindanao	30,948	41,368	37,810	47,029	47,973	35,602	38,277
Davao Region	102,730	38,329	35,281	39,474	43,578	52,050	49,291
SOCCSKSARGEN	125,674	234,955	154,856	142,688	149,522	135,219	158,337
CARAGA	86,199	170,979	86,612	98,926	88,640	94,410	90,828
ARMM	134,286	224,522	215,477	276,303	240,449	238,965	281,971
AREA (ha)							
PHILIPPINES	**1,308,790**	**1,424,318**	**1,334,731**	**1,338,565**	**1,340,020**	**1,287,883**	**1,334,449**
CAR	12,210	8,852	14,657	13,448	13,078	12,296	12,944
Ilocos Region	138,050	144,679	121,652	118,971	121,406	119,799	119,038
Cagayan Valley	55,180	57,793	76,492	75,328	66,057	55,930	67,954
Central Luzon	135,950	120,244	90,788	92,712	88,738	86,879	85,235
CALABARZON	65,570	53,634	34,338	40,356	40,311	39,013	36,677
MIMAROPA	104,540	130,288	122,616	122,409	120,825	115,689	109,346
Bicol Region	107,700	102,559	115,630	113,324	110,138	107,061	112,341
Western Visayas	218,220	243,560	278,558	277,177	290,593	283,869	297,516
Central Visayas	57,020	72,360	57,736	52,360	54,268	32,662	40,888
Eastern Visayas	128,990	116,105	124,073	126,961	124,790	124,813	125,064
Zamboanga Peninsula	59,490	57,086	61,466	59,954	59,012	63,647	66,788
Northern Mindanao	17,480	18,614	14,173	15,994	17,462	13,719	14,319
Davao Region	35,740	20,678	16,205	17,448	18,854	19,886	17,486
SOCCSKSARGEN	54,230	87,563	60,299	54,749	58,173	55,405	64,327
CARAGA	36,710	70,217	39,603	41,666	38,363	37,051	35,022
ARMM	81,710	120,086	106,445	115,708	117,952	120,164	129,504
YIELD PER HECTARE (mt)							
PHILIPPINES	**2.07**	**2.07**	**2.23**	**2.36**	**2.48**	**2.52**	**2.66**
CAR	1.47	1.62	2.15	2.16	2.14	2.33	2.60
Ilocos Region	2.69	2.41	2.92	3.01	3.03	3.30	3.22
Cagayan Valley	1.59	1.65	2.18	2.29	2.15	2.12	2.50
Central Luzon	3.52	2.66	2.73	3.32	3.61	3.45	3.72
CALABARZON	1.66	1.49	1.45	1.75	1.91	1.90	2.00
MIMAROPA	2.11	1.96	2.56	2.54	2.82	2.86	2.97
Bicol Region	1.65	1.49	1.85	1.92	2.14	2.13	2.30
Western Visayas	2.00	2.23	2.27	2.32	2.55	2.57	2.76
Central Visayas	1.00	1.59	1.59	1.66	1.62	1.53	1.82
Eastern Visayas	1.17	1.56	1.64	1.72	1.94	2.08	2.27
Zamboanga Peninsula	2.15	2.22	2.31	2.41	2.85	2.82	2.93
Northern Mindanao	1.77	2.22	2.67	2.94	2.75	2.60	2.67
Davao Region	2.87	1.85	2.18	2.26	2.31	2.62	2.82
SOCCSKSARGEN	2.32	2.68	2.57	2.61	2.57	2.44	2.46
CARAGA	2.35	2.44	2.19	2.37	2.31	2.55	2.59
ARMM	1.64	1.87	2.02	2.39	2.04	1.99	2.18

TABLE 2.4 CORN: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**4,853,891**	**4,128,510**	**4,511,104**	**4,525,012**	**4,319,262**	**4,615,625**	**5,413,386**
CAR	25,055	35,774	72,415	93,552	93,611	84,162	106,282
Ilocos Region	87,933	134,511	173,446	182,666	182,061	196,679	223,855
Cagayan Valley	550,840	604,870	951,904	907,177	832,411	824,053	1,198,394
Central Luzon	17,336	37,111	77,298	114,065	122,546	143,619	147,230
CALABARZON	176,215	46,368	41,308	42,297	41,309	42,772	53,034
MIMAROPA	43,381	72,210	56,526	58,755	62,005	59,359	67,564
Bicol Region	150,317	114,611	62,787	62,842	73,963	66,361	81,285
Western Visayas	34,353	57,600	80,340	75,540	87,065	128,728	138,205
Central Visayas	296,420	148,743	137,536	154,011	166,960	192,061	183,995
Eastern Visayas	220,442	47,198	46,306	47,525	49,651	51,835	59,906
Zamboanga Peninsula	240,786	195,621	123,233	134,309	135,072	176,287	199,631
Northern Mindanao	470,623	814,867	777,828	798,733	701,211	817,182	927,689
Davao Region	266,914	160,109	151,307	148,406	181,947	214,344	247,781
SOCCSKSARGEN	1,728,958	1,039,054	990,300	919,042	885,055	870,124	1,025,312
CARAGA	81,406	55,371	70,959	67,747	68,043	74,545	95,260
ARMM	462,912	564,492	697,611	718,345	636,352	673,514	657,963
AREA (ha)							
PHILIPPINES	**3,819,560**	**2,692,332**	**2,510,342**	**2,486,588**	**2,395,456**	**2,409,828**	**2,527,135**
CAR	22,300	22,716	27,337	33,058	32,954	31,211	34,961
Ilocos Region	79,030	52,810	52,490	51,590	52,869	53,837	56,305
Cagayan Valley	347,390	250,009	294,546	293,385	273,562	247,142	316,411
Central Luzon	12,790	17,509	24,517	31,841	33,739	36,823	36,921
CALABARZON	205,360	44,137	36,757	36,520	35,403	36,480	37,298
MIMAROPA	31,770	42,701	33,369	31,090	31,318	28,266	29,729
Bicol Region	193,510	119,125	81,124	84,529	88,429	81,762	81,068
Western Visayas	63,070	69,580	81,813	75,067	77,440	81,827	88,700
Central Visayas	551,150	265,783	228,981	238,438	241,833	244,699	244,259
Eastern Visayas	231,430	62,446	58,303	57,687	57,415	56,969	56,858
Zamboanga Peninsula	276,570	196,028	173,562	175,261	176,155	184,992	183,005
Northern Mindanao	342,500	424,928	384,388	377,933	339,707	377,276	393,149
Davao Region	284,990	218,380	181,340	177,217	189,582	195,783	203,420
SOCCSKSARGEN	800,970	534,904	472,694	445,148	433,379	421,326	418,019
CARAGA	69,350	57,946	49,713	47,782	51,357	49,839	57,055
ARMM	307,380	313,330	329,408	330,042	280,314	281,596	289,977
YIELD PER HECTARE (mt)							
PHILIPPINES	**1.27**	**1.53**	**1.80**	**1.82**	**1.80**	**1.92**	**2.14**
CAR	1.12	1.57	2.65	2.83	2.84	2.70	3.04
Ilocos Region	1.11	2.55	3.30	3.54	3.44	3.65	3.98
Cagayan Valley	1.59	2.42	3.23	3.09	3.04	3.33	3.79
Central Luzon	1.36	2.12	3.15	3.58	3.63	3.90	3.99
CALABARZON	0.86	1.05	1.12	1.16	1.17	1.17	1.42
MIMAROPA	1.37	1.69	1.69	1.89	1.98	2.10	2.27
Bicol Region	0.78	0.96	0.77	0.74	0.84	0.81	1.00
Western Visayas	0.54	0.83	0.98	1.01	1.12	1.57	1.56
Central Visayas	0.54	0.56	0.60	0.65	0.69	0.78	0.75
Eastern Visayas	0.95	0.76	0.79	0.82	0.86	0.91	1.05
Zamboanga Peninsula	0.87	1.00	0.71	0.77	0.77	0.95	1.09
Northern Mindanao	1.37	1.92	2.02	2.11	2.06	2.17	2.36
Davao Region	0.94	0.73	0.83	0.84	0.96	1.09	1.22
SOCCSKSARGEN	2.16	1.94	2.10	2.06	2.04	2.07	2.45
CARAGA	1.17	0.96	1.43	1.42	1.32	1.50	1.67
ARMM	1.51	1.80	2.12	2.18	2.27	2.39	2.27

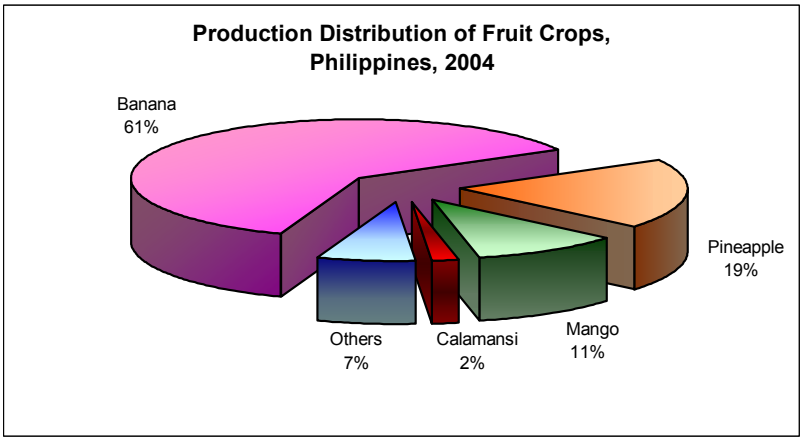
TABLE 2.5 WHITE CORN: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**2,965,557**	**1,862,423**	**1,889,338**	**1,917,654**	**1,796,929**	**2,052,684**	**2,227,430**
CAR	11,305	11,654	21,391	20,710	21,650	20,109	21,026
Ilocos Region	14,482	13,889	40,073	37,335	41,296	41,543	42,429
Cagayan Valley	107,642	30,441	50,316	43,797	42,000	59,588	77,529
Central Luzon	5,814	4,720	6,910	8,320	10,767	13,983	14,330
CALABARZON	106,339	4,057	3,879	4,714	7,261	13,781	19,007
MIMAROPA	1,355	1,983	3,708	3,752	4,219	4,854	6,304
Bicol Region	33,385	21,209	20,974	22,932	22,448	24,360	35,887
Western Visayas	8,027	18,547	36,042	31,765	34,588	39,453	43,397
Central Visayas	277,008	138,880	130,630	145,680	154,887	174,840	165,212
Eastern Visayas	220,442	45,556	44,282	45,439	47,501	49,555	57,331
Zamboanga Peninsula	235,323	189,042	120,754	131,256	131,671	168,203	183,123
Northern Mindanao	292,068	420,546	366,227	395,886	343,931	386,088	359,708
Davao Region	262,354	136,620	142,163	136,443	155,229	169,464	181,347
SOCCSKSARGEN	1,003,337	379,577	392,268	385,789	338,403	390,892	449,338
CARAGA	81,406	53,728	64,699	60,641	58,298	61,142	77,452
ARMM	305,270	391,974	445,022	443,195	382,780	434,829	494,010
AREA (ha)							
PHILIPPINES	**2,738,540**	**1,670,318**	**1,573,408**	**1,565,112**	**1,503,118**	**1,564,943**	**1,562,347**
CAR	12,890	10,597	12,837	12,138	12,979	12,795	12,266
Ilocos Region	25,360	12,200	16,831	15,266	17,382	17,198	16,968
Cagayan Valley	119,720	25,495	30,286	27,984	26,896	28,496	32,373
Central Luzon	6,640	5,781	5,992	7,356	8,196	8,917	8,788
CALABARZON	132,530	5,755	4,889	5,396	7,874	12,895	13,952
MIMAROPA	2,700	2,483	4,093	3,714	3,878	4,442	5,445
Bicol Region	67,380	44,878	48,346	50,665	49,401	52,187	50,592
Western Visayas	22,190	30,265	44,924	40,667	40,038	40,722	43,497
Central Visayas	515,520	248,788	218,163	228,413	230,827	233,892	231,992
Eastern Visayas	231,430	60,801	56,366	55,732	55,429	54,941	54,788
Zamboanga Peninsula	271,670	191,170	171,710	173,002	173,954	181,222	176,162
Northern Mindanao	257,680	286,329	250,405	258,650	228,063	251,230	228,854
Davao Region	281,450	201,690	175,520	170,232	176,786	176,952	178,161
SOCCSKSARGEN	509,300	244,424	231,402	224,260	211,883	225,486	210,472
CARAGA	69,350	56,446	47,187	45,234	48,282	45,934	51,849
ARMM	212,730	243,216	254,457	246,403	211,250	217,634	246,188
YIELD PER HECTARE (mt)							
PHILIPPINES	**1.08**	**1.12**	**1.20**	**1.23**	**1.20**	**1.31**	**1.43**
CAR	0.88	1.10	1.67	1.71	1.67	1.57	1.71
Ilocos Region	0.57	1.14	2.38	2.45	2.38	2.42	2.50
Cagayan Valley	0.90	1.19	1.66	1.57	1.56	2.09	2.39
Central Luzon	0.88	0.82	1.15	1.13	1.31	1.57	1.63
CALABARZON	0.80	0.70	0.79	0.87	0.92	1.07	1.36
MIMAROPA	0.50	0.80	0.91	1.01	1.09	1.09	1.16
Bicol Region	0.50	0.47	0.43	0.45	0.45	0.47	0.71
Western Visayas	0.36	0.61	0.80	0.78	0.86	0.97	1.00
Central Visayas	0.54	0.56	0.60	0.64	0.67	0.75	0.71
Eastern Visayas	0.95	0.75	0.79	0.82	0.86	0.90	1.05
Zamboanga Peninsula	0.87	0.99	0.70	0.76	0.76	0.93	1.04
Northern Mindanao	1.13	1.47	1.46	1.53	1.51	1.54	1.57
Davao Region	0.93	0.68	0.81	0.80	0.88	0.96	1.02
SOCCSKSARGEN	1.97	1.55	1.70	1.72	1.60	1.73	2.13
CARAGA	1.17	0.95	1.37	1.34	1.21	1.33	1.49
ARMM	1.44	1.61	1.75	1.80	1.81	2.00	2.01

TABLE 2.6 YELLOW CORN: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**1,888,334**	**2,266,087**	**2,621,766**	**2,607,358**	**2,522,333**	**2,562,941**	**3,185,956**
CAR	13,750	24,120	51,024	72,842	71,961	64,053	85,256
Ilocos Region	73,451	120,622	133,373	145,331	140,765	155,136	181,426
Cagayan Valley	443,198	574,429	901,588	863,380	790,411	764,465	1,120,865
Central Luzon	11,522	32,391	70,388	105,745	111,779	129,636	132,900
CALABARZON	69,876	42,311	37,429	37,583	34,048	28,991	34,027
MIMAROPA	42,026	70,227	52,818	55,003	57,786	54,505	61,260
Bicol Region	116,932	93,402	41,813	39,910	51,515	42,001	45,398
Western Visayas	26,326	39,053	44,298	43,775	52,477	89,275	94,808
Central Visayas	19,412	9,863	6,906	8,331	12,073	17,221	18,783
Eastern Visayas	-	1,642	2,024	2,086	2,150	2,280	2,575
Zamboanga Peninsula	5,463	6,579	2,479	3,053	3,401	8,084	16,508
Northern Mindanao	178,555	394,321	411,601	402,847	357,280	431,094	567,981
Davao Region	4,560	23,489	9,144	11,963	26,718	44,880	66,434
SOCCSKSARGEN	725,621	659,477	598,032	533,253	546,652	479,232	575,974
CARAGA	-	1,643	6,260	7,106	9,745	13,403	17,808
ARMM	157,642	172,518	252,589	275,150	253,572	238,685	163,953
AREA (ha)							
PHILIPPINES	**1,081,020**	**1,022,014**	**936,934**	**921,476**	**892,338**	**844,885**	**964,788**
CAR	9,410	12,119	14,500	20,920	19,975	18,416	22,695
Ilocos Region	53,670	40,610	35,659	36,324	35,487	36,639	39,337
Cagayan Valley	227,670	224,514	264,260	265,401	246,666	218,646	284,038
Central Luzon	6,150	11,728	18,525	24,485	25,543	27,906	28,133
CALABARZON	72,830	38,382	31,868	31,124	27,529	23,585	23,346
MIMAROPA	29,070	40,218	29,276	27,376	27,440	23,824	24,284
Bicol Region	126,130	74,247	32,778	33,864	39,028	29,575	30,476
Western Visayas	40,880	39,315	36,889	34,400	37,402	41,105	45,203
Central Visayas	35,630	16,995	10,818	10,025	11,006	10,807	12,267
Eastern Visayas	-	1,645	1,937	1,955	1,986	2,028	2,070
Zamboanga Peninsula	4,900	4,858	1,852	2,259	2,201	3,770	6,843
Northern Mindanao	84,820	138,599	133,983	119,283	111,644	126,046	164,295
Davao Region	3,540	16,690	5,820	6,985	12,796	18,831	25,259
SOCCSKSARGEN	291,670	290,480	241,292	220,888	221,496	195,840	207,547
CARAGA	-	1,500	2,526	2,548	3,075	3,905	5,206
ARMM	94,650	70,114	74,951	83,639	69,064	63,962	43,789
YIELD PER HECTARE (mt)							
PHILIPPINES	**1.75**	**2.22**	**2.80**	**2.83**	**2.83**	**3.03**	**3.30**
CAR	1.46	1.99	3.52	3.48	3.60	3.48	3.76
Ilocos Region	1.37	2.97	3.74	4.00	3.97	4.23	4.61
Cagayan Valley	1.95	2.56	3.41	3.25	3.20	3.50	3.95
Central Luzon	1.87	2.76	3.80	4.32	4.38	4.65	4.72
CALABARZON	0.96	1.10	1.17	1.21	1.24	1.23	1.46
MIMAROPA	1.45	1.75	1.80	2.01	2.11	2.29	2.52
Bicol Region	0.93	1.26	1.28	1.18	1.32	1.42	1.49
Western Visayas	0.64	0.99	1.20	1.27	1.40	2.17	2.10
Central Visayas	0.54	0.58	0.64	0.83	1.10	1.59	1.53
Eastern Visayas		1.00	1.04	1.07	1.08	1.12	1.24
Zamboanga Peninsula	1.11	1.35	1.34	1.35	1.55	2.14	2.41
Northern Mindanao	2.11	2.85	3.07	3.38	3.20	3.42	3.46
Davao Region	1.29	1.41	1.57	1.71	2.09	2.38	2.63
SOCCSKSARGEN	2.49	2.27	2.48	2.41	2.47	2.45	2.78
CARAGA		1.10	2.48	2.79	3.17	3.43	3.42
ARMM	1.67	2.46	3.37	3.29	3.67	3.73	3.74

III. FRUITS


Production Distribution of Fruit Crops, Philippines, 2004
Banana 61%
Pineapple 19%
Mango 11%
Calamansi 2%
Others 7%

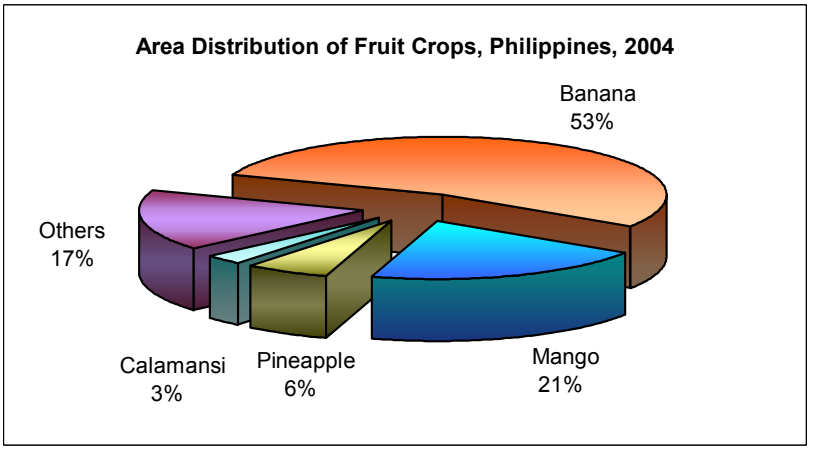

Area Distribution of Fruit Crops, Philippines, 2004
Banana 53%
Mango 21%
Pineapple 6%
Calamansi 3%
Others 17%

TABLE 3.1 BANANA: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**3,539,616**	**4,236,253**	**4,929,570**	**5,059,360**	**5,274,826**	**5,368,977**	**5,631,250**
CAR	23,708	24,835	24,751	22,522	22,072	22,353	23,620
Ilocos Region	34,615	30,926	32,489	33,245	32,963	33,162	35,214
Cagayan Valley	199,456	271,307	271,437	265,199	270,778	231,486	211,358
Central Luzon	35,757	40,094	44,086	46,249	46,383	44,194	45,032
CALABARZON	106,039	119,723	150,688	139,369	142,046	144,145	141,732
MIMAROPA	113,149	119,631	159,971	159,545	160,160	169,418	167,479
Bicol Region	97,725	69,920	66,950	63,249	69,380	74,480	69,161
Western Visayas	269,557	240,569	254,501	256,146	254,640	254,143	265,101
Central Visayas	169,773	165,992	182,350	165,931	163,376	167,709	164,915
Eastern Visayas	209,189	217,334	224,233	226,987	230,121	233,629	230,989
Zamboanga Peninsula	163,479	185,200	159,603	162,069	170,865	168,019	178,885
Northern Mindanao	273,503	351,774	488,434	518,596	534,815	515,502	571,626
Davao Region	1,045,107	1,590,395	1,920,759	2,015,732	2,081,419	2,149,556	2,308,773
SOCCSKSARGEN	343,474	335,348	401,210	429,480	522,746	582,088	631,697
CARAGA	266,238	247,480	197,289	197,848	197,912	202,711	205,039
ARMM	188,847	225,724	350,820	357,193	375,150	376,381	380,629
AREA (ha)							
PHILIPPINES	**311,819**	**339,398**	**382,491**	**386,703**	**398,005**	**408,000**	**414,510**
CAR	3,031	3,400	3,412	3,315	3,275	3,314	3,432
Ilocos Region	9,051	8,951	7,540	7,559	7,591	7,738	7,785
Cagayan Valley	24,827	27,579	26,298	26,348	26,572	23,813	23,438
Central Luzon	5,217	5,698	6,261	6,294	6,358	6,336	6,356
CALABARZON	30,495	33,528	36,774	36,849	36,492	36,439	36,456
MIMAROPA	13,886	15,256	22,147	22,141	22,182	28,214	28,084
Bicol Region	17,737	17,145	19,408	19,304	19,762	19,796	19,289
Western Visayas	34,395	33,374	34,292	34,609	34,630	34,663	34,711
Central Visayas	18,078	18,340	19,793	19,844	20,733	20,819	20,935
Eastern Visayas	24,748	25,397	27,250	27,778	27,901	28,941	29,047
Zamboanga Peninsula	15,022	16,304	16,833	17,478	19,691	20,126	20,289
Northern Mindanao	18,719	23,019	34,287	34,621	35,171	35,544	36,123
Davao Region	32,050	45,788	54,470	56,280	58,237	61,535	66,561
SOCCSKSARGEN	18,609	16,278	19,178	19,403	23,036	23,255	24,200
CARAGA	25,664	26,153	27,000	27,208	26,988	27,035	26,774
ARMM	20,289	23,188	27,548	27,672	29,386	30,432	31,029
YIELD PER HECTARE (mt)							
PHILIPPINES	**11.35**	**12.48**	**12.89**	**13.08**	**13.25**	**13.16**	**13.59**
CAR	7.82	7.30	7.25	6.79	6.74	6.75	6.88
Ilocos Region	3.82	3.46	4.31	4.40	4.34	4.29	4.52
Cagayan Valley	8.03	9.84	10.32	10.07	10.19	9.72	9.02
Central Luzon	6.85	7.04	7.04	7.35	7.30	6.98	7.08
CALABARZON	3.48	3.57	4.10	3.78	3.89	3.96	3.89
MIMAROPA	8.15	7.84	7.22	7.21	7.22	6.00	5.96
Bicol Region	5.51	4.08	3.45	3.28	3.51	3.76	3.59
Western Visayas	7.84	7.21	7.42	7.40	7.35	7.33	7.64
Central Visayas	9.39	9.05	9.21	8.36	7.88	8.06	7.88
Eastern Visayas	8.45	8.56	8.23	8.17	8.25	8.07	7.95
Zamboanga Peninsula	10.88	11.36	9.48	9.27	8.68	8.35	8.82
Northern Mindanao	14.61	15.28	14.25	14.98	15.21	14.50	15.82
Davao Region	32.61	34.73	35.26	35.82	35.74	34.93	34.69
SOCCSKSARGEN	18.46	20.60	20.92	22.13	22.69	25.03	26.10
CARAGA	10.37	9.46	7.31	7.27	7.33	7.50	7.66
ARMM	9.31	9.73	12.73	12.91	12.77	12.37	12.27

TABLE 3.1a BANANA: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
BEARING TREES (no.)							
PHILIPPINES	**137,097,761**	**163,136,763**	**181,094,490**	**184,910,814**	**193,330,664**	**193,398,435**	**201,577,752**
CAR	1,290,065	1,502,353	1,450,082	1,389,130	1,351,128	1,364,553	1,384,328
Ilocos Region	2,905,779	2,929,009	2,876,524	2,921,161	2,945,676	3,032,185	3,057,045
Cagayan Valley	18,647,007	23,027,123	20,511,327	20,556,918	20,537,866	17,125,109	16,323,723
Central Luzon	1,558,389	1,561,323	1,682,001	1,811,147	1,789,892	1,880,508	1,819,864
CALABARZON	7,429,703	8,196,901	10,533,467	10,508,990	10,369,114	10,426,512	10,426,597
MIMAROPA	5,429,357	5,970,463	8,789,492	8,786,191	8,859,742	9,118,931	9,196,273
Bicol Region	5,139,793	4,831,094	5,661,030	5,470,738	5,802,694	6,426,926	6,221,284
Western Visayas	15,117,399	14,425,029	14,794,273	14,904,879	15,118,658	15,118,032	15,181,807
Central Visayas	7,168,214	7,294,430	7,911,998	7,858,249	7,735,668	7,944,612	8,317,081
Eastern Visayas	7,465,054	8,835,672	8,628,332	8,780,722	8,703,107	8,716,449	8,736,092
Zamboanga Peninsula	4,941,264	5,304,304	5,476,151	5,676,570	6,765,319	6,911,272	7,215,020
Northern Mindanao	8,860,914	11,280,822	15,419,506	16,522,677	17,223,841	17,363,225	18,265,841
Davao Region	22,224,913	36,338,193	46,913,061	48,668,290	51,077,349	52,991,431	60,449,851
SOCCSKSARGEN	7,171,813	6,850,263	8,373,979	8,730,375	12,144,390	12,445,421	14,046,097
CARAGA	16,393,625	17,837,015	12,585,573	12,466,795	12,243,784	11,472,126	9,617,764
ARMM	5,354,471	6,952,769	9,487,694	9,857,982	10,662,436	11,061,143	11,319,085
PLANTING DENSITY (Btrees/ha)							
PHILIPPINES	**440**	**481**	**473**	**478**	**486**	**474**	**486**
CAR	426	442	425	419	413	412	403
Ilocos Region	321	327	382	386	388	392	393
Cagayan Valley	751	835	780	780	773	719	696
Central Luzon	299	274	269	288	282	297	286
CALABARZON	244	244	286	285	284	286	286
MIMAROPA	391	391	397	397	399	323	327
Bicol Region	290	282	292	283	294	325	323
Western Visayas	440	432	431	431	437	436	437
Central Visayas	397	398	400	396	373	382	397
Eastern Visayas	302	348	317	316	312	301	301
Zamboanga Peninsula	329	325	325	325	344	343	356
Northern Mindanao	473	490	450	477	490	488	506
Davao Region	693	794	861	865	877	861	908
SOCCSKSARGEN	385	421	437	450	527	535	580
CARAGA	639	682	466	458	454	424	359
ARMM	264	300	344	356	363	363	365
YIELD PER BEARING TREE (kg)							
PHILIPPINES	**26**	**26**	**27**	**27**	**27**	**28**	**28**
CAR	18	17	17	16	16	16	17
Ilocos Region	12	11	11	11	11	11	12
Cagayan Valley	11	12	13	13	13	14	13
Central Luzon	23	26	26	26	26	24	25
CALABARZON	14	15	14	13	14	14	14
MIMAROPA	21	20	18	18	18	19	18
Bicol Region	19	14	12	12	12	12	11
Western Visayas	18	17	17	17	17	17	17
Central Visayas	24	23	23	21	21	21	20
Eastern Visayas	28	25	26	26	26	27	26
Zamboanga Peninsula	33	35	29	29	25	24	25
Northern Mindanao	31	31	32	31	31	30	31
Davao Region	47	44	41	41	41	41	38
SOCCSKSARGEN	48	49	48	49	43	47	45
CARAGA	16	14	16	16	16	18	21
ARMM	35	32	37	36	35	34	34

TABLE 3.2 CALAMANSI: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**154,728**	**161,454**	**180,844**	**181,747**	**180,999**	**180,923**	**179,020**
CAR	501	559	530	512	485	479	476
Ilocos Region	2,604	1,924	2,099	2,189	2,236	2,290	2,407
Cagayan Valley	1,313	2,564	5,337	5,413	5,780	5,401	4,649
Central Luzon	6,778	7,909	8,418	8,319	8,346	8,314	8,580
CALABARZON	11,522	15,524	15,665	17,505	17,447	17,504	13,909
MIMAROPA	109,328	106,908	114,501	111,544	109,024	108,184	109,183
Bicol Region	5,116	4,055	2,159	2,161	2,318	2,286	2,326
Western Visayas	4,743	5,039	6,829	7,312	7,130	7,183	7,391
Central Visayas	1,836	1,900	1,974	1,969	1,977	1,899	2,073
Eastern Visayas	1,232	1,759	2,084	2,194	2,305	2,398	2,387
Zamboanga Peninsula	1,446	2,109	2,558	2,752	2,839	2,915	2,915
Northern Mindanao	589	891	1,102	1,114	1,130	1,157	1,240
Davao Region	3,216	4,369	8,476	8,835	9,203	9,582	9,748
SOCCSKSARGEN	2,470	3,601	4,380	4,844	5,588	5,704	6,024
CARAGA	1,180	1,332	3,825	4,192	4,282	4,485	4,583
ARMM	853	1,012	908	893	908	1,141	1,130
AREA (ha)							
PHILIPPINES	**14,761**	**16,972**	**19,418**	**19,668**	**19,781**	**19,947**	**20,013**
CAR	63	58	64	65	67	71	70
Ilocos Region	1,152	865	923	930	948	974	982
Cagayan Valley	382	940	970	970	973	981	980
Central Luzon	813	972	1,140	1,141	1,150	1,155	1,175
CALABARZON	1,482	1,470	1,589	1,589	1,597	1,598	1,606
MIMAROPA	7,119	7,477	7,903	7,909	7,912	7,916	7,919
Bicol Region	1,034	1,253	1,222	1,223	1,170	1,149	1,135
Western Visayas	712	950	946	949	952	957	960
Central Visayas	203	227	243	243	249	249	254
Eastern Visayas	161	154	158	162	164	166	175
Zamboanga Peninsula	144	281	348	380	392	424	431
Northern Mindanao	128	197	325	375	405	407	405
Davao Region	559	923	1,617	1,737	1,818	1,907	1,931
SOCCSKSARGEN	363	467	745	762	759	758	757
CARAGA	322	616	1,078	1,080	1,076	1,083	1,083
ARMM	124	122	147	153	149	152	150
YIELD PER HECTARE (mt)							
PHILIPPINES	**10.48**	**9.51**	**9.31**	**9.24**	**9.15**	**9.07**	**8.95**
CAR	7.96	9.64	8.28	7.86	7.23	6.75	6.80
Ilocos Region	2.26	2.22	2.27	2.35	2.36	2.35	2.45
Cagayan Valley	3.44	2.73	5.50	5.58	5.94	5.51	4.74
Central Luzon	8.34	8.14	7.39	7.29	7.26	7.20	7.30
CALABARZON	7.77	10.56	9.86	11.02	10.93	10.95	8.66
MIMAROPA	15.36	14.30	14.49	14.10	13.78	13.67	13.79
Bicol Region	4.95	3.24	1.77	1.77	1.98	1.99	2.05
Western Visayas	6.66	5.31	7.22	7.71	7.49	7.51	7.70
Central Visayas	9.04	8.37	8.12	8.10	7.94	7.63	8.16
Eastern Visayas	7.65	11.41	13.19	13.54	14.06	14.45	13.64
Zamboanga Peninsula	10.04	7.50	7.35	7.24	7.24	6.88	6.76
Northern Mindanao	4.59	4.52	3.39	2.97	2.79	2.84	3.06
Davao Region	5.75	4.73	5.24	5.09	5.06	5.02	5.05
SOCCSKSARGEN	6.80	7.71	5.88	6.36	7.36	7.53	7.96
CARAGA	3.67	2.16	3.55	3.88	3.98	4.14	4.23
ARMM	6.88	8.30	6.18	5.84	6.10	7.50	7.54

TABLE 3.2a CALAMANSI: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
BEARING TREES (no.)							
PHILIPPINES	**5,804,794**	**6,341,165**	**7,888,304**	**8,134,837**	**8,182,385**	**8,273,114**	**8,304,134**
CAR	21,646	26,969	31,458	32,382	32,468	33,265	33,642
Ilocos Region	362,212	291,377	316,718	321,283	328,327	338,314	350,977
Cagayan Valley	183,574	368,308	569,261	573,173	575,785	574,728	574,845
Central Luzon	252,926	287,880	360,708	363,573	367,218	372,530	380,870
CALABARZON	646,950	647,443	796,561	806,507	790,147	789,045	745,826
MIMAROPA	2,898,085	2,916,706	3,080,357	3,082,666	3,052,175	3,069,585	3,053,016
Bicol Region	339,120	344,785	332,813	327,436	311,419	309,113	304,250
Western Visayas	327,511	397,993	614,272	688,766	689,261	693,362	692,429
Central Visayas	96,855	101,590	110,653	110,653	111,934	111,974	112,627
Eastern Visayas	47,632	45,965	53,378	53,884	54,198	54,478	54,905
Zamboanga Peninsula	48,600	66,413	98,637	106,929	114,494	115,679	122,305
Northern Mindanao	40,036	59,422	91,022	96,941	117,774	121,799	122,273
Davao Region	254,203	431,642	839,884	887,667	917,219	961,672	970,942
SOCCSKSARGEN	156,514	204,230	214,246	288,946	324,504	329,034	381,013
CARAGA	100,630	120,579	346,570	362,109	362,840	364,035	370,055
ARMM	28,300	29,862	31,765	31,922	32,622	34,501	34,159
PLANTING DENSITY (Btrees/ha)							
PHILIPPINES	**393**	**374**	**406**	**414**	**414**	**415**	**415**
CAR	344	465	492	497	485	469	481
Ilocos Region	314	337	343	345	346	347	357
Cagayan Valley	481	392	587	591	592	586	587
Central Luzon	311	296	316	319	319	323	324
CALABARZON	437	440	501	508	495	494	464
MIMAROPA	407	390	390	390	386	388	386
Bicol Region	328	275	272	268	266	269	268
Western Visayas	460	419	649	726	724	725	721
Central Visayas	477	448	455	455	450	450	443
Eastern Visayas	296	298	338	333	330	328	314
Zamboanga Peninsula	338	236	283	281	292	273	284
Northern Mindanao	312	302	280	259	291	299	302
Davao Region	455	468	519	511	505	504	503
SOCCSKSARGEN	431	437	288	379	428	434	503
CARAGA	313	196	321	335	337	336	342
ARMM	228	245	216	209	219	227	228
YIELD PER BEARING TREE (kg)							
PHILIPPINES	**27**	**25**	**23**	**22**	**22**	**22**	**22**
CAR	23	21	17	16	15	14	14
Ilocos Region	7	7	7	7	7	7	7
Cagayan Valley	7	7	9	9	10	9	8
Central Luzon	27	27	23	23	23	22	23
CALABARZON	18	24	20	22	22	22	19
MIMAROPA	38	37	37	36	36	35	36
Bicol Region	15	12	6	7	7	7	8
Western Visayas	14	13	11	11	10	10	11
Central Visayas	19	19	18	18	18	17	18
Eastern Visayas	26	38	39	41	43	44	43
Zamboanga Peninsula	30	32	26	26	25	25	24
Northern Mindanao	15	15	12	11	10	9	10
Davao Region	13	10	10	10	10	10	10
SOCCSKSARGEN	16	18	20	17	17	17	16
CARAGA	12	11	11	12	12	12	12
ARMM	30	34	29	28	28	33	33

TABLE 3.3 DURIAN: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**26,323**	**28,525**	**25,764**	**27,037**	**31,638**	**39,817**	**40,907**
CAR	-	-	-	-	-	-	-
Ilocos Region	-	-	-	-	-	-	-
Cagayan Valley	-	-	-	-	-	-	-
Central Luzon	-	-	-	-	-	-	-
CALABARZON	-	-	0.4	1	1	5	6
MIMAROPA	-	-	6	6	9	9	10
Bicol Region	-	-	-	-	-	-	-
Western Visayas	-	-	302	293	293	293	252
Central Visayas	-	-	-	-	-	-	-
Eastern Visayas	-	-	-	-	-	-	5
Zamboanga Peninsula	185	214	196	201	249	254	285
Northern Mindanao	73	90	744	845	935	1,158	1,203
Davao Region	6,487	8,045	7,654	8,979	13,011	19,813	20,515
SOCCSKSARGEN	150	141	590	784	1,146	1,387	2,013
CARAGA	646	500	989	1,149	1,114	1,121	1,153
ARMM	18,783	19,535	15,282	14,779	14,880	15,776	15,465
AREA (ha)							
PHILIPPINES	**3,436**	**3,756**	**7,010**	**9,591**	**10,266**	**11,524**	**12,996**
CAR	-	-	-	-	-	-	-
Ilocos Region	-	-	-	-	-	-	-
Cagayan Valley	-	-	-	-	-	-	-
Central Luzon	-	-	-	-	-	-	-
CALABARZON	-	-	21	22	30	30	31
MIMAROPA	-	-	14	13	14	17	17
Bicol Region	-	-	-	-	-	-	-
Western Visayas	-	-	58	58	58	58	89
Central Visayas	-	-	-	-	-	-	-
Eastern Visayas	-	-	-	-	-	-	9
Zamboanga Peninsula	73	100	121	135	172	185	219
Northern Mindanao	33	66	453	538	591	643	813
Davao Region	1,951	2,167	3,468	4,996	5,515	6,368	7,600
SOCCSKSARGEN	114	119	935	1,125	1,162	1,440	1,425
CARAGA	425	448	865	1,619	1,633	1,652	1,655
ARMM	840	856	1,075	1,085	1,091	1,131	1,139
YIELD PER HECTARE (mt)							
PHILIPPINES	**7.66**	**7.59**	**3.68**	**2.82**	**3.08**	**3.46**	**3.15**
CAR							
Ilocos Region							
Cagayan Valley							
Central Luzon							
CALABARZON			0.02	0.05	0.04	0.18	0.19
MIMAROPA			0.44	0.50	0.63	0.55	0.58
Bicol Region							
Western Visayas			5.20	5.05	5.05	5.06	2.83
Central Visayas							
Eastern Visayas							0.58
Zamboanga Peninsula	2.53	2.14	1.62	1.49	1.45	1.38	1.30
Northern Mindanao	2.21	1.36	1.64	1.57	1.58	1.80	1.48
Davao Region	3.33	3.71	2.21	1.80	2.36	3.11	2.70
SOCCSKSARGEN	1.32	1.19	0.63	0.70	0.99	0.96	1.41
CARAGA	1.52	1.12	1.14	0.71	0.68	0.68	0.70
ARMM	22.36	22.82	14.22	13.62	13.64	13.95	13.58

TABLE 3.3a DURIAN: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
BEARING TREES (no.)							
PHILIPPINES	**186,158**	**200,937**	**343,642**	**383,388**	**430,348**	**489,945**	**542,689**
CAR	-	-	-	-	-	-	-
Ilocos Region	-	-	-	-	-	-	-
Cagayan Valley	-	-	-	-	-	-	-
Central Luzon	-	-	-	-	-	-	-
CALABARZON	-	-	50	55	70	483	498
MIMAROPA	-	-	732	707	729	803	864
Bicol Region	-	-	-	-	-	-	-
Western Visayas	-	-	4,640	4,640	4,666	4,666	4,702
Central Visayas	-	-	-	-	-	-	-
Eastern Visayas	-	-	-	-	-	-	171
Zamboanga Peninsula	3,440	5,370	7,430	7,690	9,002	8,565	10,629
Northern Mindanao	1,315	2,075	25,243	28,504	28,626	28,824	42,709
Davao Region	114,080	124,405	200,177	223,450	262,923	316,737	339,502
SOCCSKSARGEN	4,920	4,140	17,565	30,169	34,454	39,585	52,960
CARAGA	21,804	22,828	30,201	30,254	31,055	31,190	31,760
ARMM	40,599	42,119	57,604	57,919	58,823	59,092	58,894
PLANTING DENSITY (Btrees/ha)							
PHILIPPINES	**54**	**53**	**49**	**40**	**42**	**43**	**42**
CAR							
Ilocos Region							
Cagayan Valley							
Central Luzon							
CALABARZON			2	3	2	16	16
MIMAROPA			52	54	52	47	51
Bicol Region							
Western Visayas			80	80	80	80	53
Central Visayas							
Eastern Visayas							19
Zamboanga Peninsula	47	54	61	57	52	46	49
Northern Mindanao	40	31	56	53	48	45	53
Davao Region	58	57	58	45	48	50	45
SOCCSKSARGEN	43	35	19	27	30	27	37
CARAGA	51	51	35	19	19	19	19
ARMM	48	49	54	53	54	52	52
YIELD PER BEARING TREE (kg)							
PHILIPPINES	**141**	**142**	**75**	**71**	**74**	**81**	**75**
CAR							
Ilocos Region							
Cagayan Valley							
Central Luzon							
CALABARZON			7	19	15	11	12
MIMAROPA			8	9	12	12	11
Bicol Region							
Western Visayas			65	63	63	63	54
Central Visayas							
Eastern Visayas							30
Zamboanga Peninsula	54	40	26	26	28	30	27
Northern Mindanao	55	43	29	30	33	40	28
Davao Region	57	65	38	40	49	63	60
SOCCSKSARGEN	31	34	34	26	33	35	38
CARAGA	30	22	33	38	36	36	36
ARMM	463	464	265	255	253	267	263

TABLE 3.4 LANZONES: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**168,947**	**113,299**	**43,417**	**45,903**	**47,752**	**51,790**	**50,172**
CAR	-	-	-	-	6	9	11
Ilocos Region	-	-	-	-	0	0	0
Cagayan Valley	-	33	8	10	32	95	90
Central Luzon	2	3	8	9	11	11	13
CALABARZON	126,372	47,316	2,578	4,110	3,676	3,663	3,306
MIMAROPA	23	31	193	190	195	191	198
Bicol Region	15	16	8	12	12	14	13
Western Visayas	148	180	263	302	443	526	431
Central Visayas	355	459	20	99	139	192	130
Eastern Visayas	226	430	383	457	473	741	726
Zamboanga Peninsula	3,476	1,672	38	602	3,220	966	1,062
Northern Mindanao	4,812	6,887	215	697	602	1,523	1,229
Davao Region	5,143	7,006	327	453	1,512	2,101	2,158
SOCCSKSARGEN	271	507	395	479	922	1,008	1,075
CARAGA	384	606	835	814	853	847	917
ARMM	27,720	48,155	38,146	37,669	35,657	39,903	38,812
AREA (ha)							
PHILIPPINES	**14,046**	**13,942**	**16,131**	**16,557**	**16,786**	**17,032**	**17,276**
CAR	-	-	-	-	3	4	15
Ilocos Region	-	-	1	2	3	3	3
Cagayan Valley	-	26	23	23	23	23	23
Central Luzon	4	10	6	6	6	6	6
CALABARZON	5,950	5,437	4,322	4,337	4,337	4,337	4,337
MIMAROPA	87	122	295	297	306	307	303
Bicol Region	35	33	35	37	37	37	39
Western Visayas	306	334	341	341	344	347	368
Central Visayas	66	67	68	68	68	73	83
Eastern Visayas	106	109	121	123	134	134	139
Zamboanga Peninsula	342	373	368	382	455	483	509
Northern Mindanao	788	828	2,119	2,122	2,183	2,193	2,275
Davao Region	1,152	1,282	1,881	1,920	1,957	2,007	2,018
SOCCSKSARGEN	80	146	690	786	812	905	978
CARAGA	130	130	554	804	804	829	831
ARMM	5,000	5,045	5,307	5,309	5,314	5,344	5,349
YIELD PER HECTARE (mt)							
PHILIPPINES	**12.03**	**8.13**	**2.69**	**2.77**	**2.84**	**3.04**	**2.90**
CAR					1.88	2.25	0.70
Ilocos Region			0.00	0.00	0.07	0.10	0.12
Cagayan Valley		1.29	0.36	0.41	1.39	4.12	3.93
Central Luzon	0.45	0.26	1.35	1.48	1.87	1.89	2.14
CALABARZON	21.24	8.70	0.60	0.95	0.85	0.84	0.76
MIMAROPA	0.26	0.25	0.65	0.64	0.64	0.62	0.65
Bicol Region	0.42	0.49	0.22	0.32	0.32	0.38	0.33
Western Visayas	0.49	0.54	0.77	0.89	1.29	1.52	1.17
Central Visayas	5.38	6.85	0.29	1.46	2.04	2.63	1.57
Eastern Visayas	2.14	3.94	3.17	3.71	3.53	5.53	5.22
Zamboanga Peninsula	10.16	4.48	0.10	1.58	7.08	2.00	2.09
Northern Mindanao	6.11	8.32	0.10	0.33	0.28	0.69	0.54
Davao Region	4.46	5.46	0.17	0.24	0.77	1.05	1.07
SOCCSKSARGEN	3.39	3.47	0.57	0.61	1.14	1.11	1.10
CARAGA	2.95	4.65	1.51	1.01	1.06	1.02	1.10
ARMM	5.54	9.55	7.19	7.10	6.71	7.47	7.26

TABLE 3.4a LANZONES: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
BEARING TREES (no.)							
PHILIPPINES	**1,638,950**	**1,620,530**	**1,808,363**	**1,831,586**	**1,872,041**	**1,891,840**	**1,904,109**
CAR	-	-	-	-	200	318	1,505
Ilocos Region	-	-	31	36	40	56	66
Cagayan Valley	-	1,264	1,088	1,095	1,088	2,838	2,838
Central Luzon	250	1,187	1,470	1,470	1,520	1,570	1,560
CALABARZON	653,840	596,488	419,900	428,878	428,878	428,970	428,878
MIMAROPA	5,640	7,810	8,184	8,189	8,593	8,597	8,405
Bicol Region	5,640	5,515	6,060	6,200	6,229	6,236	6,246
Western Visayas	32,235	36,068	38,036	38,036	40,246	40,627	40,627
Central Visayas	11,966	13,055	14,960	14,962	14,970	15,050	15,050
Eastern Visayas	9,440	10,255	10,485	10,613	10,696	11,623	11,626
Zamboanga Peninsula	44,979	40,140	46,643	47,917	57,337	57,557	57,609
Northern Mindanao	113,350	118,580	250,131	262,811	265,502	268,247	268,431
Davao Region	145,148	163,072	239,048	270,046	276,364	286,784	289,816
SOCCSKSARGEN	10,362	16,430	22,800	25,654	44,324	47,684	55,619
CARAGA	16,100	17,508	22,405	22,425	22,440	22,582	23,052
ARMM	590,000	593,158	727,122	693,254	693,614	693,101	692,781
PLANTING DENSITY (Btrees/ha)							
PHILIPPINES	**117**	**116**	**112**	**111**	**112**	**111**	**110**
CAR					67	80	100
Ilocos Region			31	18	13	19	22
Cagayan Valley		49	47	48	47	123	123
Central Luzon	63	119	245	245	253	262	260
CALABARZON	110	110	97	99	99	99	99
MIMAROPA	65	64	28	28	28	28	28
Bicol Region	161	167	173	168	168	169	160
Western Visayas	105	108	112	112	117	117	110
Central Visayas	181	195	220	220	220	206	181
Eastern Visayas	89	94	87	86	80	87	84
Zamboanga Peninsula	132	108	127	125	126	119	113
Northern Mindanao	144	143	118	124	122	122	118
Davao Region	126	127	127	141	141	143	144
SOCCSKSARGEN	130	113	33	33	55	53	57
CARAGA	124	134	40	28	28	27	28
ARMM	118	118	137	131	131	130	130
YIELD PER BEARING TREE (kg)							
PHILIPPINES	**103**	**70**	**24**	**25**	**26**	**27**	**26**
CAR					28	28	7
Ilocos Region			-	-	5	5	5
Cagayan Valley		26	8	9	29	33	32
Central Luzon	7	2	6	6	7	7	8
CALABARZON	193	79	6	10	9	9	8
MIMAROPA	4	4	24	23	23	22	24
Bicol Region	3	3	1	2	2	2	2
Western Visayas	5	5	7	8	11	13	11
Central Visayas	30	35	1	7	9	13	9
Eastern Visayas	24	42	37	43	44	64	62
Zamboanga Peninsula	77	42	1	13	56	17	18
Northern Mindanao	42	58	1	3	2	6	5
Davao Region	35	43	1	2	5	7	7
SOCCSKSARGEN	26	31	17	19	21	21	19
CARAGA	24	35	37	36	38	38	40
ARMM	47	81	52	54	51	58	56

TABLE 3.5 MANDARIN: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**22,532**	**20,657**	**19,084**	**19,626**	**20,423**	**20,266**	**19,898**
CAR	235	303	813	891	887	876	873
Ilocos Region	12	13	12	12	10	10	11
Cagayan Valley	196	194	3,287	3,084	3,468	3,422	2,881
Central Luzon	15	13	763	930	1,198	1,091	1,288
CALABARZON	6,358	6,379	6,829	7,308	7,266	7,188	7,144
MIMAROPA	23	45	393	383	384	402	405
Bicol Region	1,301	1,380	701	771	863	935	822
Western Visayas	105	99	69	69	66	65	69
Central Visayas	192	165	173	173	164	160	148
Eastern Visayas	38	27	10	10	18	19	19
Zamboanga Peninsula	24	24	3	4	9	7	7
Northern Mindanao	69	50	103	106	112	107	100
Davao Region	4,845	4,846	4,006	4,054	4,059	4,003	4,052
SOCCSKSARGEN	192	119	71	69	70	71	71
CARAGA	145	145	6	6	6	6	8
ARMM	8,780	6,855	1,843	1,755	1,843	1,903	2,000
AREA (ha)							
PHILIPPINES	**8,735**	**7,675**	**9,135**	**9,151**	**9,114**	**9,102**	**8,917**
CAR	91	96	117	117	117	119	124
Ilocos Region	10	10	15	16	15	16	21
Cagayan Valley	33	32	627	627	627	630	630
Central Luzon	12	7	469	479	509	509	509
CALABARZON	3,394	2,239	2,327	2,329	2,255	2,240	2,230
MIMAROPA	18	18	693	692	693	694	695
Bicol Region	1,333	1,248	1,943	1,944	1,944	1,942	1,763
Western Visayas	59	50	41	42	42	43	43
Central Visayas	41	41	40	40	40	40	40
Eastern Visayas	38	35	36	35	35	35	35
Zamboanga Peninsula	6	8	11	11	7	8	8
Northern Mindanao	37	29	36	38	40	40	38
Davao Region	1,543	1,860	782	778	776	777	779
SOCCSKSARGEN	41	25	13	17	28	28	25
CARAGA	39	36	30	30	30	30	30
ARMM	2,040	1,941	1,956	1,956	1,956	1,951	1,947
YIELD PER HECTARE (mt)							
PHILIPPINES	**2.58**	**2.69**	**2.09**	**2.14**	**2.24**	**2.23**	**2.23**
CAR	2.58	3.15	6.98	7.65	7.59	7.36	7.04
Ilocos Region	1.24	1.32	0.80	0.78	0.69	0.60	0.51
Cagayan Valley	5.95	6.07	5.24	4.92	5.53	5.43	4.57
Central Luzon	1.26	1.89	1.63	1.94	2.35	2.14	2.53
CALABARZON	1.87	2.85	2.93	3.14	3.22	3.21	3.20
MIMAROPA	1.26	2.48	0.57	0.55	0.55	0.58	0.58
Bicol Region	0.98	1.11	0.36	0.40	0.44	0.48	0.47
Western Visayas	1.78	1.99	1.68	1.63	1.57	1.51	1.60
Central Visayas	4.69	4.03	4.33	4.33	4.09	3.99	3.71
Eastern Visayas	0.99	0.77	0.29	0.30	0.50	0.54	0.55
Zamboanga Peninsula	4.01	3.00	0.31	0.40	1.29	0.92	0.83
Northern Mindanao	1.88	1.73	2.91	2.80	2.80	2.69	2.63
Davao Region	3.14	2.61	5.12	5.21	5.23	5.15	5.20
SOCCSKSARGEN	4.68	4.76	5.47	4.06	2.50	2.55	2.84
CARAGA	3.72	4.02	0.19	0.20	0.20	0.21	0.27
ARMM	4.30	3.53	0.94	0.90	0.94	0.98	1.03

TABLE 3.5a MANDARIN: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
BEARING TREES (no.)							
PHILIPPINES	**615,895**	**613,196**	**1,034,935**	**1,040,753**	**1,062,053**	**1,064,979**	**1,067,723**
CAR	6,035	7,825	12,226	12,646	12,682	13,222	14,982
Ilocos Region	620	600	3,020	3,020	2,970	3,273	3,993
Cagayan Valley	3,200	3,324	160,836	160,836	167,381	167,296	167,130
Central Luzon	530	480	114,045	117,675	123,015	128,395	127,500
CALABARZON	177,374	135,111	148,220	149,275	147,005	143,242	146,524
MIMAROPA	1,640	1,730	58,352	58,342	58,477	58,477	58,509
Bicol Region	48,587	47,452	155,575	157,983	174,361	174,361	172,722
Western Visayas	6,253	4,728	4,403	4,382	4,392	4,671	4,567
Central Visayas	2,454	2,256	2,273	2,273	2,273	2,278	2,299
Eastern Visayas	1,230	1,111	1,267	1,280	1,299	1,299	1,305
Zamboanga Peninsula	650	650	1,238	1,240	470	530	530
Northern Mindanao	1,641	1,230	2,433	2,465	2,526	2,545	2,485
Davao Region	161,500	204,236	166,018	163,772	159,556	160,537	160,780
SOCCSKSARGEN	4,201	2,812	2,444	2,969	3,016	2,889	2,905
CARAGA	3,352	2,888	3,528	3,538	3,545	3,471	3,375
ARMM	196,628	196,763	199,057	199,057	199,085	198,493	198,117
PLANTING DENSITY (Btrees/ha)							
PHILIPPINES	**71**	**80**	**113**	**114**	**117**	**117**	**120**
CAR	66	82	105	109	108	111	121
Ilocos Region	62	60	201	189	198	205	190
Cagayan Valley	97	104	257	257	267	266	265
Central Luzon	44	69	243	246	242	252	250
CALABARZON	52	60	64	64	65	64	66
MIMAROPA	91	96	84	84	84	84	84
Bicol Region	36	38	80	81	90	90	98
Western Visayas	106	95	107	104	105	108	106
Central Visayas	60	55	57	57	57	57	57
Eastern Visayas	32	32	35	37	37	37	37
Zamboanga Peninsula	108	81	113	113	67	66	66
Northern Mindanao	44	42	69	65	63	64	65
Davao Region	105	110	212	211	206	207	206
SOCCSKSARGEN	102	112	188	175	108	103	116
CARAGA	86	80	118	118	118	116	113
ARMM	96	101	102	102	102	102	102
YIELD PER BEARING TREE (kg)							
PHILIPPINES	**37**	**34**	**18**	**19**	**19**	**19**	**19**
CAR	39	39	67	70	70	66	58
Ilocos Region	20	22	4	4	3	3	3
Cagayan Valley	61	58	20	19	21	20	17
Central Luzon	29	28	7	8	10	8	10
CALABARZON	36	47	46	49	49	50	49
MIMAROPA	14	26	7	7	7	7	7
Bicol Region	27	29	5	5	5	5	5
Western Visayas	17	21	16	16	15	14	15
Central Visayas	78	73	76	76	72	70	64
Eastern Visayas	31	24	8	8	14	14	15
Zamboanga Peninsula	37	37	3	4	19	14	13
Northern Mindanao	42	41	42	43	44	42	40
Davao Region	30	24	24	25	25	25	25
SOCCSKSARGEN	46	42	29	23	23	25	24
CARAGA	43	50	2	2	2	2	2
ARMM	45	35	9	9	9	10	10

TABLE 3.6 MANGO: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**453,986**	**697,066**	**848,328**	**881,710**	**956,033**	**1,006,191**	**967,473**
CAR	2,558	4,069	3,566	3,607	3,654	3,661	3,556
Ilocos Region	137,419	264,221	368,665	389,274	405,322	417,869	430,851
Cagayan Valley	30,004	60,534	53,036	43,529	55,828	76,173	45,801
Central Luzon	44,259	65,502	87,865	92,371	95,869	98,461	91,360
CALABARZON	52,832	89,668	95,669	105,301	107,071	106,625	83,821
MIMAROPA	10,207	9,283	8,015	8,386	8,395	8,141	8,336
Bicol Region	1,702	3,804	2,185	1,586	1,648	2,281	1,535
Western Visayas	46,771	51,167	42,147	43,102	63,103	60,267	54,644
Central Visayas	40,317	45,662	41,678	43,043	51,306	55,644	58,342
Eastern Visayas	406	453	229	238	249	399	416
Zamboanga Peninsula	13,207	21,199	29,963	31,948	37,607	40,234	45,642
Northern Mindanao	15,418	21,794	22,302	22,882	23,134	25,852	31,845
Davao Region	13,231	14,310	24,309	27,029	28,383	30,560	32,382
SOCCSKSARGEN	22,444	23,852	45,822	45,998	50,081	53,682	51,613
CARAGA	9,330	9,862	11,152	11,682	12,164	12,865	13,775
ARMM	13,880	11,687	11,726	11,733	12,218	13,476	13,553
AREA (ha)							
PHILIPPINES	**77,137**	**108,144**	**133,815**	**137,050**	**150,505**	**155,852**	**158,943**
CAR	501	618	629	634	648	665	681
Ilocos Region	13,406	20,439	19,666	19,833	20,063	21,326	21,351
Cagayan Valley	5,871	7,991	9,777	9,778	9,778	9,812	9,822
Central Luzon	11,196	17,815	27,411	27,546	28,446	29,338	30,609
CALABARZON	7,825	12,238	12,809	12,873	12,914	12,939	12,956
MIMAROPA	2,355	2,876	3,663	3,669	3,672	3,673	3,677
Bicol Region	748	1,208	1,400	1,441	1,498	1,571	1,626
Western Visayas	7,203	8,940	10,464	10,525	10,538	10,570	10,599
Central Visayas	9,309	10,350	11,825	11,835	11,848	11,877	12,407
Eastern Visayas	142	179	294	369	541	590	605
Zamboanga Peninsula	3,681	5,938	9,419	9,606	10,309	10,757	11,131
Northern Mindanao	3,664	5,332	7,792	7,915	8,356	8,362	8,255
Davao Region	3,509	4,176	6,641	7,949	8,167	8,472	8,770
SOCCSKSARGEN	4,404	6,345	6,830	7,725	9,790	10,603	10,943
CARAGA	1,577	1,687	3,013	3,096	3,216	3,256	3,271
ARMM	1,746	2,011	2,182	2,256	10,721	12,041	12,239
YIELD PER HECTARE (mt)							
PHILIPPINES	**5.89**	**6.45**	**6.34**	**6.43**	**6.35**	**6.46**	**6.09**
CAR	5.11	6.58	5.67	5.69	5.64	5.51	5.22
Ilocos Region	10.25	12.93	18.75	19.63	20.20	19.59	20.18
Cagayan Valley	5.11	7.58	5.42	4.45	5.71	7.76	4.66
Central Luzon	3.95	3.68	3.21	3.35	3.37	3.36	2.98
CALABARZON	6.75	7.33	7.47	8.18	8.29	8.24	6.47
MIMAROPA	4.33	3.23	2.19	2.29	2.29	2.22	2.27
Bicol Region	2.27	3.15	1.56	1.10	1.10	1.45	0.94
Western Visayas	6.49	5.72	4.03	4.10	5.99	5.70	5.16
Central Visayas	4.33	4.41	3.52	3.64	4.33	4.69	4.70
Eastern Visayas	2.86	2.52	0.78	0.64	0.46	0.68	0.69
Zamboanga Peninsula	3.59	3.57	3.18	3.33	3.65	3.74	4.10
Northern Mindanao	4.21	4.09	2.86	2.89	2.77	3.09	3.86
Davao Region	3.77	3.43	3.66	3.40	3.48	3.61	3.69
SOCCSKSARGEN	5.10	3.76	6.71	5.95	5.12	5.06	4.72
CARAGA	5.92	5.85	3.70	3.77	3.78	3.95	4.21
ARMM	7.95	5.81	5.37	5.20	1.14	1.12	1.11

TABLE 3.6a MANGO: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
BEARING TREES (no.)							
PHILIPPINES	**3,694,476**	**4,699,563**	**6,244,847**	**6,461,116**	**6,788,835**	**6,856,846**	**7,054,605**
CAR	21,340	24,260	25,443	25,955	26,320	27,195	27,469
Ilocos Region	587,830	721,043	722,413	731,407	744,904	745,403	765,641
Cagayan Valley	465,263	744,243	1,047,726	1,047,797	1,050,312	1,033,563	964,101
Central Luzon	471,694	682,430	1,095,472	1,119,894	1,169,747	1,185,842	1,254,032
CALABARZON	421,060	541,352	785,959	797,430	797,260	784,903	767,496
MIMAROPA	133,278	165,540	202,713	193,163	193,478	193,207	194,698
Bicol Region	26,956	43,045	47,986	49,788	52,283	54,745	56,471
Western Visayas	223,439	280,381	505,560	545,958	616,653	617,427	617,758
Central Visayas	453,814	485,413	522,755	522,760	528,080	530,216	571,099
Eastern Visayas	4,940	6,555	8,413	8,593	9,823	13,662	13,980
Zamboanga Peninsula	226,172	228,297	353,559	398,133	459,824	475,264	530,379
Northern Mindanao	216,450	272,803	361,813	376,891	386,490	396,676	393,390
Davao Region	123,800	130,659	145,987	172,921	190,582	206,240	219,806
SOCCSKSARGEN	193,880	241,632	273,709	322,321	408,726	432,836	517,806
CARAGA	77,820	79,682	83,269	85,550	86,967	90,038	90,694
ARMM	46,740	52,227	62,070	62,555	67,385	69,629	69,785
PLANTING DENSITY (Btrees/ha)							
PHILIPPINES	**48**	**43**	**47**	**47**	**45**	**44**	**44**
CAR	43	39	40	41	41	41	40
Ilocos Region	44	35	37	37	37	35	36
Cagayan Valley	79	93	107	107	107	105	98
Central Luzon	42	38	40	41	41	40	41
CALABARZON	54	44	61	62	62	61	59
MIMAROPA	57	58	55	53	53	53	53
Bicol Region	36	36	34	35	35	35	35
Western Visayas	31	31	48	52	59	58	58
Central Visayas	49	47	44	44	45	45	46
Eastern Visayas	35	37	29	23	18	23	23
Zamboanga Peninsula	61	38	38	41	45	44	48
Northern Mindanao	59	51	46	48	46	47	48
Davao Region	35	31	22	22	23	24	25
SOCCSKSARGEN	44	38	40	42	42	41	47
CARAGA	49	47	28	28	27	28	28
ARMM	27	26	28	28	6	6	6
YIELD PER BEARING TREE (kg)							
PHILIPPINES	**123**	**148**	**136**	**136**	**141**	**147**	**137**
CAR	120	168	140	139	139	135	129
Ilocos Region	234	366	510	532	544	561	563
Cagayan Valley	64	81	51	42	53	74	48
Central Luzon	94	96	80	82	82	83	73
CALABARZON	125	166	122	132	134	136	109
MIMAROPA	77	56	40	43	43	42	43
Bicol Region	63	88	46	32	32	42	27
Western Visayas	209	182	83	79	102	98	88
Central Visayas	89	94	80	82	97	105	102
Eastern Visayas	82	69	27	28	25	29	30
Zamboanga Peninsula	58	93	85	80	82	85	86
Northern Mindanao	71	80	62	61	60	65	81
Davao Region	107	110	167	156	149	148	147
SOCCSKSARGEN	116	99	167	143	123	124	100
CARAGA	120	124	134	137	140	143	152
ARMM	297	224	189	188	181	194	194

TABLE 3.7 MANGOSTEEN: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**5,588**	**4,906**	**4,610**	**4,780**	**5,018**	**4,901**	**4,863**
CAR	-	-	-	-	-	-	-
Ilocos Region	-	-	-	-	-	-	-
Cagayan Valley	-	-	-	-	-	-	-
Central Luzon	-	-	-	-	-	-	-
CALABARZON	-	-	-	-	-	-	-
MIMAROPA	-	-	-	-	1	1	1
Bicol Region	-	-	-	-	-	-	-
Western Visayas	-	-	2	2	-	-	-
Central Visayas	36	60	53	43	44	44	18
Eastern Visayas	-	-	-	-	-	-	-
Zamboanga Peninsula	194	244	54	118	219	213	253
Northern Mindanao	60	60	164	188	212	210	161
Davao Region	184	207	179	280	373	391	330
SOCCSKSARGEN	11	18	17	19	68	73	245
CARAGA	8	17	42	44	45	44	49
ARMM	5,095	4,301	4,098	4,086	4,056	3,926	3,806
AREA (ha)							
PHILIPPINES	**1,072**	**1,128**	**1,354**	**1,465**	**1,516**	**1,589**	**1,645**
CAR	-	-	-	-	-	-	-
Ilocos Region	-	-	-	-	-	-	-
Cagayan Valley	-	-	-	-	-	-	-
Central Luzon	-	-	-	-	-	-	-
CALABARZON	-	-	-	-	1	1	1
MIMAROPA	-	-	-	-	1	3	5
Bicol Region	-	-	-	-	-	-	-
Western Visayas	-	-	2	2	-	-	-
Central Visayas	13	20	21	21	21	21	21
Eastern Visayas	-	-	-	-	-	-	-
Zamboanga Peninsula	58	67	75	85	114	125	149
Northern Mindanao	21	23	54	54	58	58	53
Davao Region	65	70	84	180	194	253	261
SOCCSKSARGEN	8	28	158	163	167	167	193
CARAGA	15	23	27	27	27	28	29
ARMM	892	897	933	933	933	933	933
YIELD PER HECTARE (mt)							
PHILIPPINES	**5.21**	**4.35**	**3.40**	**3.26**	**3.31**	**3.08**	**2.96**
CAR							
Ilocos Region							
Cagayan Valley							
Central Luzon							
CALABARZON					0.00	0.00	0.00
MIMAROPA					0.85	0.31	0.20
Bicol Region							
Western Visayas			1.09	0.78			
Central Visayas	2.77	3.00	2.52	2.06	2.09	2.10	0.85
Eastern Visayas							
Zamboanga Peninsula	3.35	3.64	0.72	1.39	1.92	1.70	1.70
Northern Mindanao	2.85	2.61	3.04	3.47	3.66	3.62	3.04
Davao Region	2.83	2.95	2.13	1.56	1.92	1.54	1.26
SOCCSKSARGEN	1.40	0.63	0.11	0.12	0.41	0.44	1.27
CARAGA	0.53	0.72	1.56	1.64	1.66	1.58	1.69
ARMM	5.71	4.79	4.39	4.38	4.35	4.21	4.08

TABLE 3.7a MANGOSTEEN: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
BEARING TREES (no.)							
PHILIPPINES	**154,766**	**158,248**	**161,818**	**169,686**	**175,485**	**175,536**	**184,755**
CAR	-	-	-	-	-	-	-
Ilocos Region	-	-	-	-	-	-	-
Cagayan Valley	-	-	-	-	-	-	-
Central Luzon	-	-	-	-	-	-	-
CALABARZON	-	-	-	-	-	-	-
MIMAROPA	-	-	-	-	125	200	400
Bicol Region	-	-	-	-	-	-	-
Western Visayas	-	-	632	632	-	-	-
Central Visayas	2,000	3,000	2,850	2,850	2,850	2,850	2,850
Eastern Visayas	-	-	-	-	-	-	-
Zamboanga Peninsula	6,090	7,366	4,280	4,557	6,688	7,209	7,730
Northern Mindanao	2,440	2,690	4,018	4,424	4,044	3,954	3,704
Davao Region	8,140	8,536	10,038	17,169	18,734	17,880	14,645
SOCCSKSARGEN	700	960	1,660	1,724	4,724	5,274	17,048
CARAGA	1,596	1,650	2,150	2,150	2,100	2,020	2,230
ARMM	133,800	134,046	136,190	136,180	136,220	136,149	136,148
PLANTING DENSITY (Btrees/ha)							
PHILIPPINES	**144**	**140**	**120**	**116**	**116**	**110**	**112**
CAR							
Ilocos Region							
Cagayan Valley							
Central Luzon							
CALABARZON					-	-	-
MIMAROPA					125	67	80
Bicol Region							
Western Visayas			316	316			
Central Visayas	154	150	136	136	136	136	136
Eastern Visayas							
Zamboanga Peninsula	105	110	57	54	59	58	52
Northern Mindanao	116	117	74	82	70	68	70
Davao Region	125	122	120	95	97	71	56
SOCCSKSARGEN	93	34	11	11	28	32	88
CARAGA	106	72	80	80	78	72	77
ARMM	150	149	146	146	146	146	146
YIELD PER BEARING TREE (kg)							
PHILIPPINES	**36**	**31**	**28**	**28**	**29**	**28**	**26**
CAR							
Ilocos Region							
Cagayan Valley							
Central Luzon							
CALABARZON							
MIMAROPA					7	5	3
Bicol Region							
Western Visayas			3	2			
Central Visayas	18	20	19	15	15	15	6
Eastern Visayas							
Zamboanga Peninsula	32	33	13	26	33	30	33
Northern Mindanao	25	22	41	42	52	53	43
Davao Region	23	24	18	16	20	22	23
SOCCSKSARGEN	15	18	10	11	14	14	14
CARAGA	5	10	20	21	21	22	22
ARMM	38	32	30	30	30	29	28

TABLE 3.8 ORANGE: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**9,223**	**8,270**	**8,020**	**8,243**	**7,804**	**7,432**	**6,293**
CAR	616	791	1,227	1,230	1,159	1,152	1,042
Ilocos Region	34	53	67	68	65	55	55
Cagayan Valley	903	1,265	759	888	891	932	810
Central Luzon	65	45	52	55	56	59	96
CALABARZON	4,618	3,167	2,251	2,307	2,013	1,742	964
MIMAROPA	37	85	65	73	74	72	63
Bicol Region	767	923	1,439	1,437	1,007	1,027	968
Western Visayas	56	56	103	98	89	59	47
Central Visayas	124	124	134	124	122	146	54
Eastern Visayas	99	71	88	85	87	90	91
Zamboanga Peninsula	93	165	140	137	146	121	115
Northern Mindanao	219	205	207	193	194	190	154
Davao Region	1,197	906	1,030	1,088	1,240	1,314	1,353
SOCCSKSARGEN	122	99	107	111	102	103	108
CARAGA	141	187	253	253	463	263	266
ARMM	132	128	99	97	95	107	106
AREA (ha)							
PHILIPPINES	**2,104**	**2,074**	**2,280**	**2,299**	**2,286**	**2,275**	**2,269**
CAR	110	145	157	184	184	184	187
Ilocos Region	15	24	29	30	30	30	27
Cagayan Valley	236	351	361	358	352	350	350
Central Luzon	115	23	38	28	28	28	28
CALABARZON	551	486	443	447	447	447	439
MIMAROPA	13	20	18	18	19	19	19
Bicol Region	353	370	548	547	506	506	504
Western Visayas	45	42	40	37	35	34	32
Central Visayas	43	47	47	47	47	47	47
Eastern Visayas	40	40	46	43	44	44	46
Zamboanga Peninsula	68	69	36	40	41	45	44
Northern Mindanao	65	65	76	74	89	76	72
Davao Region	272	203	226	232	248	249	250
SOCCSKSARGEN	30	29	31	30	28	28	28
CARAGA	80	90	111	111	113	115	113
ARMM	68	70	73	73	75	73	83
YIELD PER HECTARE (mt)							
PHILIPPINES	**4.38**	**3.99**	**3.52**	**3.59**	**3.41**	**3.27**	**2.77**
CAR	5.60	5.48	7.81	6.68	6.30	6.26	5.57
Ilocos Region	2.27	2.22	2.29	2.26	2.15	1.84	2.05
Cagayan Valley	3.82	3.60	2.10	2.48	2.53	2.66	2.31
Central Luzon	0.57	1.96	1.38	1.97	2.00	2.12	3.42
CALABARZON	8.38	6.52	5.08	5.16	4.50	3.90	2.20
MIMAROPA	2.85	4.25	3.62	4.05	3.89	3.81	3.30
Bicol Region	2.17	2.49	2.63	2.63	1.99	2.03	1.92
Western Visayas	1.24	1.33	2.56	2.64	2.56	1.73	1.47
Central Visayas	2.89	2.65	2.84	2.65	2.60	3.11	1.15
Eastern Visayas	2.48	1.78	1.91	1.97	1.97	2.04	1.99
Zamboanga Peninsula	1.37	2.39	3.89	3.43	3.57	2.71	2.62
Northern Mindanao	3.36	3.15	2.72	2.61	2.18	2.51	2.14
Davao Region	4.40	4.46	4.56	4.69	5.00	5.28	5.41
SOCCSKSARGEN	4.06	3.40	3.47	3.69	3.64	3.69	3.84
CARAGA	1.76	2.07	2.28	2.28	4.10	2.29	2.35
ARMM	1.94	1.83	1.36	1.33	1.27	1.46	1.28

TABLE 3.8a ORANGE: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
BEARING TREES (no.)							
PHILIPPINES	**314,412**	**317,187**	**299,045**	**301,980**	**298,075**	**309,436**	**302,852**
CAR	16,980	22,362	23,556	23,649	23,679	23,649	24,150
Ilocos Region	2,230	3,660	4,765	4,775	4,760	4,785	4,615
Cagayan Valley	28,851	46,678	47,748	46,970	46,735	58,700	58,820
Central Luzon	11,600	3,000	5,478	3,478	3,478	3,543	3,581
CALABARZON	115,515	100,562	79,550	86,305	85,600	85,540	81,279
MIMAROPA	1,510	3,103	2,770	3,120	3,120	2,800	2,765
Bicol Region	41,940	48,975	40,885	40,423	37,709	36,363	35,789
Western Visayas	5,270	5,228	4,996	4,851	4,731	4,367	4,121
Central Visayas	8,781	8,760	8,735	8,145	7,845	7,845	7,849
Eastern Visayas	5,130	4,710	5,490	4,980	5,071	5,200	5,203
Zamboanga Peninsula	7,120	7,215	4,647	5,079	5,030	5,235	5,227
Northern Mindanao	10,060	10,382	11,715	10,800	10,390	8,899	8,509
Davao Region	37,780	28,321	29,765	30,470	30,740	33,192	31,476
SOCCSKSARGEN	3,920	3,678	3,910	3,850	3,947	3,973	4,045
CARAGA	8,875	11,253	15,345	15,395	15,440	15,515	15,425
ARMM	8,850	9,300	9,690	9,690	9,800	9,830	9,998
PLANTING DENSITY (Btrees/ha)							
PHILIPPINES	**149**	**153**	**131**	**131**	**130**	**136**	**133**
CAR	154	155	150	129	129	129	129
Ilocos Region	149	153	164	159	159	160	171
Cagayan Valley	122	133	132	131	133	168	168
Central Luzon	101	130	144	124	124	127	128
CALABARZON	210	207	180	193	191	191	185
MIMAROPA	116	155	154	173	164	147	146
Bicol Region	119	132	75	74	75	72	71
Western Visayas	117	124	125	131	135	128	129
Central Visayas	204	186	186	173	167	167	167
Eastern Visayas	128	118	119	116	115	118	113
Zamboanga Peninsula	105	105	129	127	123	118	119
Northern Mindanao	155	160	154	146	117	117	118
Davao Region	139	139	132	131	124	133	126
SOCCSKSARGEN	131	126	126	128	141	142	144
CARAGA	111	124	138	139	137	135	137
ARMM	130	133	133	133	131	135	120
YIELD PER BEARING TREE (kg)							
PHILIPPINES	**29**	**26**	**27**	**27**	**26**	**24**	**21**
CAR	36	35	52	52	49	49	43
Ilocos Region	15	15	14	14	14	12	12
Cagayan Valley	31	27	16	19	19	16	14
Central Luzon	6	15	10	16	16	17	27
CALABARZON	40	31	28	27	24	20	12
MIMAROPA	25	27	24	23	24	26	23
Bicol Region	18	19	35	36	27	28	27
Western Visayas	11	11	21	20	19	13	11
Central Visayas	14	14	15	15	16	19	7
Eastern Visayas	19	15	16	17	17	17	18
Zamboanga Peninsula	13	23	30	27	29	23	22
Northern Mindanao	22	20	18	18	19	21	18
Davao Region	32	32	35	36	40	40	43
SOCCSKSARGEN	31	27	27	29	26	26	27
CARAGA	16	17	16	16	30	17	17
ARMM	15	14	10	10	10	11	11

TABLE 3.9 PAPAYA: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**84,855**	**108,409**	**121,304**	**127,787**	**127,680**	**130,764**	**133,876**
CAR	1,218	1,321	1,752	1,736	1,767	1,711	1,709
Ilocos Region	2,973	3,106	3,628	3,680	3,672	3,733	3,941
Cagayan Valley	3,665	4,333	4,380	4,225	4,059	3,780	2,974
Central Luzon	1,509	1,599	2,375	2,426	2,548	2,414	2,449
CALABARZON	18,544	16,188	17,832	22,010	19,765	19,525	19,657
MIMAROPA	2,705	2,940	3,203	3,405	3,484	3,646	3,471
Bicol Region	6,824	5,393	6,592	6,874	7,914	9,206	8,858
Western Visayas	8,198	7,193	7,472	7,350	7,170	7,252	7,521
Central Visayas	8,341	9,125	8,881	8,699	8,756	8,481	8,782
Eastern Visayas	2,887	2,955	2,445	2,482	2,509	2,574	2,600
Zamboanga Peninsula	2,691	4,512	5,775	5,644	5,665	5,474	5,578
Northern Mindanao	7,253	17,529	21,895	21,439	20,765	22,149	23,571
Davao Region	7,472	13,122	12,419	14,020	14,235	14,606	14,248
SOCCSKSARGEN	6,450	14,293	16,523	17,902	19,583	20,671	23,303
CARAGA	1,790	1,864	2,309	2,277	2,115	2,149	1,883
ARMM	2,335	2,936	3,822	3,618	3,673	3,392	3,333
AREA (ha)							
PHILIPPINES	**6,244**	**7,161**	**8,440**	**8,422**	**8,761**	**8,871**	**8,969**
CAR	146	159	237	230	229	220	220
Ilocos Region	261	281	316	325	333	337	343
Cagayan Valley	500	528	494	492	466	476	467
Central Luzon	449	480	553	551	565	557	555
CALABARZON	1,144	1,123	1,083	1,081	1,071	1,090	1,114
MIMAROPA	291	281	335	327	339	340	350
Bicol Region	544	488	577	522	587	611	598
Western Visayas	683	689	775	780	778	783	793
Central Visayas	461	473	505	502	499	501	499
Eastern Visayas	338	457	419	420	423	430	441
Zamboanga Peninsula	216	401	592	592	587	616	613
Northern Mindanao	321	455	734	764	779	797	843
Davao Region	408	630	658	668	719	719	727
SOCCSKSARGEN	200	388	821	826	968	969	994
CARAGA	190	205	218	219	273	278	263
ARMM	92	123	123	123	145	149	150
YIELD PER HECTARE (mt)							
PHILIPPINES	**13.59**	**15.14**	**14.37**	**15.17**	**14.57**	**14.74**	**14.93**
CAR	8.34	8.31	7.39	7.54	7.72	7.78	7.77
Ilocos Region	11.39	11.05	11.50	11.33	11.03	11.08	11.48
Cagayan Valley	7.33	8.21	8.87	8.59	8.71	7.94	6.37
Central Luzon	3.36	3.33	4.30	4.40	4.51	4.33	4.41
CALABARZON	16.21	14.41	16.47	20.36	18.45	17.91	17.65
MIMAROPA	9.30	10.46	9.56	10.41	10.28	10.74	9.92
Bicol Region	12.54	11.05	11.43	13.17	13.48	15.07	14.81
Western Visayas	12.00	10.44	9.64	9.42	9.22	9.26	9.48
Central Visayas	18.09	19.29	17.59	17.33	17.55	16.93	17.60
Eastern Visayas	8.54	6.47	5.83	5.91	5.93	5.99	5.90
Zamboanga Peninsula	12.46	11.25	9.75	9.53	9.65	8.89	9.10
Northern Mindanao	22.59	38.53	29.83	28.06	26.66	27.81	27.98
Davao Region	18.31	20.83	18.87	20.99	19.80	20.33	19.60
SOCCSKSARGEN	32.25	36.84	20.13	21.67	20.23	21.33	23.44
CARAGA	9.42	9.09	10.59	10.40	7.75	7.73	7.16
ARMM	25.38	23.87	31.07	29.41	25.33	22.76	22.22

TABLE 3.9a PAPAYA: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
BEARING TREES (no.)							
PHILIPPINES	**3,673,692**	**4,306,321**	**5,057,559**	**5,222,599**	**5,194,779**	**5,351,139**	**5,352,371**
CAR	81,462	84,205	98,971	99,509	99,555	93,917	94,998
Ilocos Region	150,074	156,746	174,718	181,015	182,182	183,569	189,621
Cagayan Valley	382,481	376,750	311,708	322,256	299,549	299,554	283,064
Central Luzon	217,116	226,358	199,448	194,486	203,369	198,813	199,665
CALABARZON	701,985	687,520	717,510	814,991	728,855	742,187	749,704
MIMAROPA	139,256	127,620	145,747	139,931	142,750	151,262	151,784
Bicol Region	347,377	286,525	311,520	333,398	355,783	389,267	343,101
Western Visayas	376,849	378,593	395,639	395,641	385,778	377,952	388,691
Central Visayas	198,933	234,837	250,833	249,398	249,810	249,919	245,274
Eastern Visayas	100,740	117,804	140,342	139,251	140,560	142,427	146,417
Zamboanga Peninsula	141,103	225,856	278,682	278,682	272,645	275,933	292,674
Northern Mindanao	209,327	413,338	681,983	688,172	638,487	655,243	709,960
Davao Region	262,656	412,038	451,835	457,916	477,925	484,748	451,141
SOCCSKSARGEN	158,273	357,340	630,041	661,323	769,086	855,722	875,337
CARAGA	143,635	147,090	182,024	181,583	161,828	164,321	144,945
ARMM	62,425	73,701	86,558	85,047	86,617	86,305	85,996
PLANTING DENSITY (Btrees/ha)							
PHILIPPINES	**588**	**601**	**599**	**620**	**593**	**603**	**597**
CAR	558	530	418	432	435	427	432
Ilocos Region	575	558	554	557	547	545	552
Cagayan Valley	765	714	631	655	643	629	606
Central Luzon	484	472	361	353	360	357	360
CALABARZON	614	612	663	754	681	681	673
MIMAROPA	479	454	435	428	421	446	434
Bicol Region	639	587	540	639	606	637	574
Western Visayas	552	549	511	507	496	483	490
Central Visayas	432	496	497	497	501	499	492
Eastern Visayas	298	258	335	332	332	332	332
Zamboanga Peninsula	653	563	471	471	464	448	477
Northern Mindanao	652	908	929	901	820	823	843
Davao Region	644	654	687	686	665	675	621
SOCCSKSARGEN	791	921	767	800	795	883	881
CARAGA	756	718	835	829	593	591	551
ARMM	679	599	704	691	597	579	573
YIELD PER BEARING TREE (kg)							
PHILIPPINES	**23**	**25**	**24**	**24**	**25**	**24**	**25**
CAR	15	16	18	17	18	18	18
Ilocos Region	20	20	21	20	20	20	21
Cagayan Valley	10	11	14	13	14	13	11
Central Luzon	7	7	12	12	13	12	12
CALABARZON	26	24	25	27	27	26	26
MIMAROPA	19	23	22	24	24	24	23
Bicol Region	20	19	21	21	22	24	26
Western Visayas	22	19	19	19	19	19	19
Central Visayas	42	39	35	35	35	34	36
Eastern Visayas	29	25	17	18	18	18	18
Zamboanga Peninsula	19	20	21	20	21	20	19
Northern Mindanao	35	42	32	31	33	34	33
Davao Region	28	32	27	31	30	30	32
SOCCSKSARGEN	41	40	26	27	25	24	27
CARAGA	12	13	13	13	13	13	13
ARMM	37	40	44	43	42	39	39

TABLE 3.10 PINEAPPLE: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**1,421,663**	**1,646,268**	**1,559,563**	**1,617,906**	**1,639,161**	**1,697,952**	**1,759,813**
CAR	701	655	994	1,120	1,020	971	771
Ilocos Region	370	333	247	253	247	225	219
Cagayan Valley	4,814	10,736	17,815	18,328	19,659	21,840	22,687
Central Luzon	211	823	954	976	863	621	1,082
CALABARZON	40,736	65,660	67,388	74,812	79,915	84,884	81,578
MIMAROPA	250	157	180	199	196	191	192
Bicol Region	65,116	55,258	56,571	73,956	82,551	91,740	94,642
Western Visayas	10,632	16,218	10,727	10,234	10,181	10,513	13,648
Central Visayas	2,997	3,466	3,098	3,237	3,502	3,606	3,220
Eastern Visayas	4,052	5,399	5,784	5,759	6,010	6,071	6,215
Zamboanga Peninsula	1,135	1,773	3,451	3,704	3,637	3,653	3,272
Northern Mindanao	611,090	759,434	786,166	799,581	801,546	840,134	889,593
Davao Region	23,196	11,923	15,736	15,947	16,533	17,061	18,104
SOCCSKSARGEN	652,768	710,071	585,015	604,260	607,820	611,073	619,177
CARAGA	2,537	3,143	3,891	4,025	4,028	3,993	4,039
ARMM	1,057	1,218	1,547	1,513	1,455	1,375	1,374
AREA (ha)							
PHILIPPINES	**40,795**	**41,580**	**42,968**	**44,341**	**44,961**	**47,663**	**48,238**
CAR	125	111	121	142	149	189	138
Ilocos Region	51	41	42	41	41	43	41
Cagayan Valley	514	669	1,231	1,204	1,192	1,219	1,271
Central Luzon	46	124	102	115	97	108	108
CALABARZON	4,523	3,993	3,982	4,164	4,219	4,710	4,708
MIMAROPA	47	28	34	41	42	43	44
Bicol Region	2,848	2,514	2,764	3,096	3,263	3,646	3,682
Western Visayas	371	670	509	511	512	522	692
Central Visayas	452	484	450	454	457	463	464
Eastern Visayas	351	454	506	492	495	499	504
Zamboanga Peninsula	240	387	499	526	612	563	572
Northern Mindanao	13,950	15,539	15,959	16,719	16,796	18,305	18,409
Davao Region	2,347	1,235	1,872	1,882	1,888	2,160	2,164
SOCCSKSARGEN	14,519	14,828	14,262	14,305	14,545	14,545	14,794
CARAGA	327	415	517	530	536	534	537
ARMM	84	88	118	119	117	114	110
YIELD PER HECTARE (mt)							
PHILIPPINES	**34.85**	**39.59**	**36.30**	**36.49**	**36.46**	**35.62**	**36.48**
CAR	5.61	5.90	8.21	7.89	6.84	5.14	5.59
Ilocos Region	7.25	8.13	5.88	6.16	6.01	5.24	5.27
Cagayan Valley	9.37	16.05	14.47	15.22	16.49	17.92	17.85
Central Luzon	4.59	6.64	9.35	8.53	8.89	5.75	10.01
CALABARZON	9.01	16.44	16.92	17.97	18.94	18.02	17.33
MIMAROPA	5.32	5.60	5.29	4.85	4.66	4.45	4.37
Bicol Region	22.86	21.98	20.47	23.89	25.30	25.16	25.70
Western Visayas	28.66	24.21	21.07	20.03	19.88	20.14	19.72
Central Visayas	6.63	7.16	6.88	7.13	7.66	7.79	6.94
Eastern Visayas	11.54	11.89	11.43	11.71	12.14	12.17	12.34
Zamboanga Peninsula	4.73	4.58	6.92	7.04	5.94	6.49	5.72
Northern Mindanao	43.81	48.87	49.26	47.82	47.72	45.90	48.32
Davao Region	9.88	9.65	8.41	8.47	8.76	7.90	8.37
SOCCSKSARGEN	44.96	47.89	41.02	42.24	41.79	42.01	41.85
CARAGA	7.76	7.57	7.53	7.59	7.52	7.48	7.52
ARMM	12.58	13.84	13.11	12.71	12.43	12.07	12.49

TABLE 3.11 RAMBUTAN: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**11,168**	**12,126**	**11,894**	**13,099**	**11,606**	**11,901**	**12,088**
CAR	-	-	-	-	13	15	22
Ilocos Region	3	7	25	25	26	28	27
Cagayan Valley	-	-	122	135	134	128	120
Central Luzon	-	-	-	-	-	2	5
CALABARZON	9,683	9,967	9,560	10,515	7,320	6,991	5,718
MIMAROPA	311	361	378	381	391	383	395
Bicol Region	3	5	2	3	3	3	8
Western Visayas	9	28	38	46	50	77	90
Central Visayas	5	9	2	2	2	3	3
Eastern Visayas	-	-	5	5	6	7	7
Zamboanga Peninsula	-	-	65	83	130	145	234
Northern Mindanao	117	206	256	275	286	292	281
Davao Region	341	645	260	326	690	827	835
SOCCSKSARGEN	657	833	999	1,124	2,365	2,791	4,115
CARAGA	39	59	146	165	170	176	199
ARMM	-	6	34	15	19	32	31
AREA (ha)							
PHILIPPINES	**2,637**	**2,898**	**4,023**	**4,630**	**4,743**	**4,861**	**5,173**
CAR	-	-	-	5	6	8	14
Ilocos Region	3	6	8	8	12	18	24
Cagayan Valley	-	-	23	23	23	23	23
Central Luzon	-	-	-	-	-	2	3
CALABARZON	1,936	2,015	1,367	1,376	1,386	1,389	1,552
MIMAROPA	96	105	692	691	707	709	710
Bicol Region	5	9	10	13	13	16	16
Western Visayas	16	31	41	42	47	52	69
Central Visayas	10	12	12	12	12	12	12
Eastern Visayas	-	-	2	2	6	6	8
Zamboanga Peninsula	-	-	28	39	58	73	104
Northern Mindanao	42	74	165	168	174	175	175
Davao Region	306	351	381	619	629	659	670
SOCCSKSARGEN	197	252	1,157	1,194	1,231	1,243	1,315
CARAGA	26	39	106	407	408	445	446
ARMM	-	4	31	31	31	31	33
YIELD PER HECTARE (mt)							
PHILIPPINES	**4.24**	**4.18**	**2.96**	**2.83**	**2.45**	**2.45**	**2.34**
CAR				0.00	2.20	1.93	1.54
Ilocos Region	1.00	1.21	3.18	3.18	2.21	1.54	1.13
Cagayan Valley			5.30	5.85	5.81	5.57	5.20
Central Luzon						1.00	1.80
CALABARZON	5.00	4.95	6.99	7.64	5.28	5.03	3.68
MIMAROPA	3.24	3.44	0.55	0.55	0.55	0.54	0.56
Bicol Region	0.69	0.51	0.23	0.19	0.21	0.19	0.47
Western Visayas	0.57	0.92	0.92	1.10	1.07	1.47	1.31
Central Visayas	0.48	0.75	0.17	0.18	0.18	0.25	0.25
Eastern Visayas			2.45	2.46	1.07	1.19	0.94
Zamboanga Peninsula			2.33	2.13	2.24	1.99	2.25
Northern Mindanao	2.78	2.78	1.55	1.64	1.65	1.67	1.60
Davao Region	1.11	1.84	0.68	0.53	1.10	1.26	1.25
SOCCSKSARGEN	3.34	3.30	0.86	0.94	1.92	2.25	3.13
CARAGA	1.50	1.50	1.38	0.41	0.42	0.40	0.45
ARMM		1.49	1.10	0.47	0.63	1.03	0.94

TABLE 3.11a RAMBUTAN: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
BEARING TREES (no.)							
PHILIPPINES	**470,369**	**513,053**	**399,264**	**413,298**	**403,122**	**427,081**	**430,287**
CAR	-	-	-	600	600	700	700
Ilocos Region	400	828	1,236	1,248	1,273	1,198	1,203
Cagayan Valley	-	-	4,033	4,033	3,888	3,448	3,388
Central Luzon	-	-	-	-	-	250	250
CALABARZON	384,750	400,730	236,468	241,090	223,325	214,125	214,075
MIMAROPA	16,704	18,060	22,060	22,052	22,052	22,052	23,651
Bicol Region	590	850	850	1,028	1,078	1,228	1,241
Western Visayas	1,850	3,452	4,798	4,804	5,027	5,468	5,378
Central Visayas	1,200	1,500	1,450	1,450	1,479	1,485	1,514
Eastern Visayas	-	-	220	220	425	425	430
Zamboanga Peninsula	-	-	3,500	3,591	6,148	6,040	5,801
Northern Mindanao	6,000	10,600	15,533	15,381	16,106	16,303	15,477
Davao Region	26,730	33,683	36,810	40,823	41,999	46,944	47,557
SOCCSKSARGEN	28,245	36,900	61,300	65,893	68,552	95,720	97,952
CARAGA	3,900	5,850	7,730	7,735	7,745	8,270	8,250
ARMM	-	600	3,276	3,350	3,425	3,425	3,420
PLANTING DENSITY (Btrees/ha)							
PHILIPPINES	**178**	**177**	**99**	**89**	**85**	**88**	**83**
CAR				120	100	88	50
Ilocos Region	133	138	155	156	106	66	51
Cagayan Valley			175	175	169	150	147
Central Luzon						125	100
CALABARZON	199	199	173	175	161	154	138
MIMAROPA	174	172	32	32	31	31	33
Bicol Region	118	94	85	79	83	77	78
Western Visayas	116	111	117	114	107	105	78
Central Visayas	120	125	121	121	123	124	126
Eastern Visayas			110	110	71	71	54
Zamboanga Peninsula			125	92	106	83	56
Northern Mindanao	143	143	94	92	93	93	88
Davao Region	87	96	97	66	67	71	71
SOCCSKSARGEN	143	146	53	55	56	77	74
CARAGA	150	150	73	19	19	19	18
ARMM		150	106	108	110	110	104
YIELD PER BEARING TREE (kg)							
PHILIPPINES	**24**	**24**	**30**	**32**	**29**	**28**	**28**
CAR				-	22	22	31
Ilocos Region	8	9	21	20	21	23	22
Cagayan Valley			30	33	34	37	35
Central Luzon						8	18
CALABARZON	25	25	40	44	33	33	27
MIMAROPA	19	20	17	17	18	17	17
Bicol Region	6	5	3	2	3	2	6
Western Visayas	5	8	8	10	10	14	17
Central Visayas	4	6	1	1	1	2	2
Eastern Visayas			22	22	15	17	17
Zamboanga Peninsula			19	23	21	24	40
Northern Mindanao	19	19	16	18	18	18	18
Davao Region	13	19	7	8	16	18	18
SOCCSKSARGEN	23	23	16	17	35	29	42
CARAGA	10	10	19	21	22	21	24
ARMM		10	10	4	6	9	9

TABLE 3.12 TAMARIND FRUIT: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**12,484**	**14,464**	**12,507**	**13,596**	**13,878**	**14,964**	**13,408**
CAR	-	-	-	-	-	-	-
Ilocos Region	1,352	1,597	1,423	1,430	1,536	2,308	2,280
Cagayan Valley	6,830	7,932	6,468	6,571	6,677	6,425	5,176
Central Luzon	957	1,250	1,499	2,357	2,404	2,788	2,128
CALABARZON	747	467	341	348	358	362	361
MIMAROPA	259	209	187	187	189	194	214
Bicol Region	230	224	147	145	166	168	166
Western Visayas	55	58	61	62	60	58	68
Central Visayas	1,282	1,322	637	629	620	681	948
Eastern Visayas	30	48	35	39	39	41	43
Zamboanga Peninsula	82	190	245	240	244	241	313
Northern Mindanao	63	62	54	46	45	44	40
Davao Region	376	785	1,126	1,264	1,255	1,360	1,376
SOCCSKSARGEN	214	313	273	268	273	271	267
CARAGA	6	5	7	8	8	13	13
ARMM	-	3	3	3	3	9	15
AREA (ha)							
PHILIPPINES	**1,952**	**2,135**	**2,553**	**2,653**	**2,666**	**2,722**	**2,740**
CAR	-	-	-	-	-	-	-
Ilocos Region	700	809	1,219	1,218	1,218	1,218	1,218
Cagayan Valley	309	350	379	372	367	369	367
Central Luzon	108	113	138	144	155	166	173
CALABARZON	175	133	115	111	113	113	113
MIMAROPA	81	80	84	89	94	94	94
Bicol Region	94	90	90	90	88	88	88
Western Visayas	133	137	136	137	134	134	132
Central Visayas	181	186	131	221	222	232	237
Eastern Visayas	34	32	22	22	22	22	23
Zamboanga Peninsula	38	69	91	95	94	96	102
Northern Mindanao	15	18	13	11	12	12	12
Davao Region	64	84	97	101	103	132	135
SOCCSKSARGEN	17	27	31	35	36	36	36
CARAGA	3	5	5	5	6	6	6
ARMM	-	2	2	2	2	4	4
YIELD PER HECTARE (mt)							
PHILIPPINES	**6.40**	**6.78**	**4.90**	**5.12**	**5.21**	**5.50**	**4.89**
CAR							
Ilocos Region	1.93	1.97	1.17	1.17	1.26	1.90	1.87
Cagayan Valley	22.10	22.66	17.07	17.67	18.19	17.41	14.10
Central Luzon	8.86	11.06	10.86	16.37	15.51	16.80	12.30
CALABARZON	4.27	3.51	2.96	3.14	3.17	3.20	3.19
MIMAROPA	3.19	2.62	2.23	2.10	2.01	2.06	2.27
Bicol Region	2.45	2.49	1.64	1.61	1.88	1.91	1.88
Western Visayas	0.41	0.42	0.45	0.45	0.45	0.43	0.52
Central Visayas	7.08	7.11	4.86	2.85	2.79	2.94	4.00
Eastern Visayas	0.89	1.51	1.61	1.75	1.78	1.88	1.86
Zamboanga Peninsula	2.17	2.75	2.70	2.51	2.60	2.51	3.07
Northern Mindanao	4.20	3.42	4.16	4.16	3.79	3.68	3.33
Davao Region	5.88	9.35	11.61	12.51	12.18	10.31	10.19
SOCCSKSARGEN	12.58	11.59	8.80	7.66	7.59	7.53	7.41
CARAGA	1.97	1.00	1.37	1.53	1.37	2.18	2.15
ARMM		1.60	1.70	1.60	1.68	2.14	3.69

TABLE 3.12a TAMARIND FRUIT: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE BY REGION, PHILIPPINES, 1990-2004

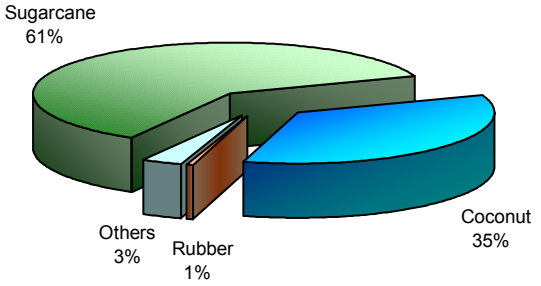
REGION	1990	1995	2000	2001	2002	2003	2004
BEARING TREES (no.)							
PHILIPPINES	**140,626**	**166,657**	**171,211**	**170,473**	**162,361**	**159,369**	**155,749**
CAR	-	-	-	-	-	-	-
Ilocos Region	43,150	58,962	64,793	64,824	64,774	64,774	64,714
Cagayan Valley	37,686	41,470	42,442	41,511	36,230	31,685	27,830
Central Luzon	6,028	6,398	7,766	8,000	9,480	9,375	9,195
CALABARZON	13,190	10,164	9,712	9,704	8,704	7,340	7,064
MIMAROPA	4,003	4,118	4,235	4,230	4,365	4,565	4,555
Bicol Region	5,350	5,680	5,197	5,350	4,979	4,337	4,337
Western Visayas	5,785	7,767	10,751	10,433	9,463	9,463	9,461
Central Visayas	14,080	14,080	5,284	5,284	5,130	9,174	9,174
Eastern Visayas	1,008	1,099	1,101	1,105	1,121	1,129	1,144
Zamboanga Peninsula	2,166	4,017	5,245	5,254	5,316	5,476	5,702
Northern Mindanao	1,300	1,540	1,080	1,100	930	692	702
Davao Region	5,470	8,883	10,559	10,652	9,052	8,652	9,175
SOCCSKSARGEN	1,030	1,993	2,465	2,445	2,298	2,115	2,085
CARAGA	380	416	500	500	438	380	380
ARMM	-	70	81	81	81	212	231
PLANTING DENSITY (Btrees/ha)							
PHILIPPINES	**72**	**78**	**67**	**64**	**61**	**59**	**57**
CAR							
Ilocos Region	62	73	53	53	53	53	53
Cagayan Valley	122	118	112	112	99	86	76
Central Luzon	56	57	56	56	61	56	53
CALABARZON	75	76	84	87	77	65	63
MIMAROPA	49	52	50	48	46	49	48
Bicol Region	57	63	58	59	57	49	49
Western Visayas	43	57	79	76	71	71	72
Central Visayas	78	76	40	24	23	40	39
Eastern Visayas	30	34	50	50	51	51	50
Zamboanga Peninsula	57	58	58	55	57	57	56
Northern Mindanao	87	86	83	100	78	58	59
Davao Region	85	106	109	105	88	66	68
SOCCSKSARGEN	61	74	80	70	64	59	58
CARAGA	127	82	100	100	73	63	63
ARMM		35	41	41	41	53	58
YIELD PER BEARING TREE (kg)							
PHILIPPINES	**89**	**87**	**73**	**80**	**85**	**94**	**86**
CAR							
Ilocos Region	31	27	22	22	24	36	35
Cagayan Valley	181	191	152	158	184	203	186
Central Luzon	159	195	193	295	254	297	231
CALABARZON	57	46	35	36	41	49	51
MIMAROPA	65	51	44	44	43	42	47
Bicol Region	43	39	28	27	33	39	38
Western Visayas	10	7	6	6	6	6	7
Central Visayas	91	94	120	119	121	74	103
Eastern Visayas	30	44	32	35	35	37	37
Zamboanga Peninsula	38	47	47	46	46	44	55
Northern Mindanao	48	40	50	42	49	64	57
Davao Region	69	88	107	119	139	157	150
SOCCSKSARGEN	208	157	111	110	119	128	128
CARAGA	16	12	14	15	19	34	34
ARMM		46	42	40	41	40	64

TABLE 3.13 WATERMELON: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**87,506**	**82,435**	**59,382**	**58,284**	**78,935**	**92,498**	**107,057**
CAR	295	382	382	390	391	400	406
Ilocos Region	11,589	15,280	30,492	32,718	34,075	37,935	39,167
Cagayan Valley	8,420	4,859	7,005	4,172	3,867	2,243	2,178
Central Luzon	12,966	11,101	7,113	6,734	7,035	7,808	9,827
CALABARZON	15,477	9,873	1,350	1,237	1,343	1,593	5,112
MIMAROPA	1,582	1,545	1,568	1,547	1,895	2,004	2,107
Bicol Region	5,751	5,859	760	1,224	4,134	5,500	4,959
Western Visayas	22,203	23,956	4,918	4,308	19,591	27,849	35,803
Central Visayas	298	311	227	186	273	299	412
Eastern Visayas	933	702	564	577	591	606	622
Zamboanga Peninsula	1,203	1,043	607	722	888	1,020	1,042
Northern Mindanao	807	395	713	729	814	906	920
Davao Region	476	536	638	647	630	654	695
SOCCSKSARGEN	1,032	1,080	419	510	814	1,039	1,082
CARAGA	3,997	5,091	2,364	2,475	2,460	2,506	2,556
ARMM	477	424	261	107	134	135	170
AREA (ha)							
PHILIPPINES	**6,364**	**6,066**	**4,046**	**3,690**	**4,879**	**5,316**	**5,779**
CAR	23	28	28	28	26	26	26
Ilocos Region	814	1,066	1,158	1,171	1,201	1,253	1,261
Cagayan Valley	538	382	559	319	330	260	285
Central Luzon	905	967	626	559	791	854	986
CALABARZON	1,276	741	130	125	132	156	281
MIMAROPA	173	168	153	149	174	193	186
Bicol Region	408	382	102	112	220	349	344
Western Visayas	1,266	1,371	429	382	983	1,127	1,322
Central Visayas	26	25	16	12	15	15	19
Eastern Visayas	123	68	75	90	91	93	95
Zamboanga Peninsula	138	112	86	90	134	160	160
Northern Mindanao	93	47	151	149	222	235	195
Davao Region	48	52	60	61	65	71	79
SOCCSKSARGEN	85	108	74	66	92	114	123
CARAGA	397	494	346	350	340	347	350
ARMM	51	55	53	28	63	64	68
YIELD PER HECTARE (mt)							
PHILIPPINES	**13.75**	**13.59**	**14.68**	**15.80**	**16.18**	**17.40**	**18.52**
CAR	12.85	13.65	13.65	13.93	15.02	15.39	15.61
Ilocos Region	14.24	14.33	26.33	27.94	28.37	30.27	31.07
Cagayan Valley	15.65	12.72	12.53	13.08	11.72	8.63	7.64
Central Luzon	14.33	11.48	11.36	12.05	8.89	9.14	9.97
CALABARZON	12.13	13.32	10.38	9.90	10.17	10.24	18.19
MIMAROPA	9.14	9.20	10.25	10.42	10.89	10.38	11.33
Bicol Region	14.09	15.34	7.45	10.93	18.79	15.76	14.41
Western Visayas	17.54	17.47	11.46	11.28	19.93	24.71	27.08
Central Visayas	11.47	12.43	14.17	15.52	18.22	19.95	21.68
Eastern Visayas	7.58	10.32	7.53	6.41	6.50	6.52	6.55
Zamboanga Peninsula	8.72	9.32	7.05	8.02	6.63	6.37	6.52
Northern Mindanao	8.67	8.40	4.72	4.91	3.67	3.85	4.73
Davao Region	9.92	10.32	10.63	10.61	9.70	9.26	8.79
SOCCSKSARGEN	12.15	10.00	5.66	7.73	8.84	9.12	8.80
CARAGA	10.07	10.30	6.83	7.07	7.24	7.22	7.30
ARMM	9.35	7.71	4.93	3.81	2.13	2.11	2.49

IV. NON-FOOD & INDUSTRIAL CROPS

Production Distribution of Non-Food and Industrial Crops, Philippines, 2004



Area Distribution of Non-Food and Industrial Crops, Philippines, 2004

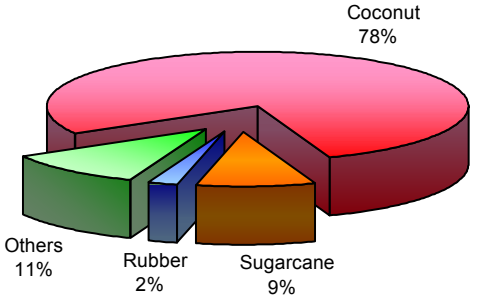


TABLE 4.1 ABACA: PRODUCTION, AREA AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**59,418**	**64,833**	**77,180**	**72,861**	**63,028**	**69,765**	**74,465**
CAR	-	-	-	-	-	-	-
Ilocos Region	-	-	-	-	-	-	-
Cagayan Valley	-	-	-	-	-	-	-
Central Luzon	-	4	4	3	10	6	13
CALABARZON	-	-	-	-	-	-	-
MIMAROPA	54	54	43	41	37	35	38
Bicol Region	16,681	22,294	21,432	20,086	17,942	20,243	21,947
Western Visayas	606	824	463	531	447	851	790
Central Visayas	395	206	216	162	164	191	311
Eastern Visayas	24,100	23,321	30,174	29,952	27,012	29,261	27,250
Zamboanga Peninsula	435	894	187	168	111	123	113
Northern Mindanao	1,126	1,749	2,037	2,094	1,185	1,140	1,267
Davao Region	5,823	5,308	10,782	8,645	8,032	9,197	12,186
SOCCSKSARGEN	826	727	411	1,318	536	985	816
CARAGA	3,483	3,485	6,481	3,670	3,549	3,785	4,843
ARMM	5,889	5,967	4,949	6,190	4,003	3,948	4,892
AREA (ha)							
PHILIPPINES	**102,494**	**105,641**	**106,816**	**107,145**	**121,941**	**121,476**	**127,461**
CAR	-	-	-	-	-	-	-
Ilocos Region	-	-	-	-	-	-	-
Cagayan Valley	-	-	-	-	-	-	-
Central Luzon	5	49	85	85	120	191	184
CALABARZON	52	43	22	22	26	26	26
MIMAROPA	738	358	176	176	406	608	850
Bicol Region	50,171	42,562	41,593	41,593	44,606	43,318	42,181
Western Visayas	1,671	2,050	4,832	4,834	3,485	3,515	3,824
Central Visayas	2,305	2,648	2,648	2,645	2,470	2,561	2,707
Eastern Visayas	20,505	30,069	28,503	28,498	38,079	38,665	42,069
Zamboanga Peninsula	546	971	898	920	907	1,065	1,645
Northern Mindanao	3,306	2,551	2,917	2,955	4,139	4,403	4,822
Davao Region	5,193	8,438	7,799	7,810	9,301	9,776	10,477
SOCCSKSARGEN	1,028	1,384	1,471	1,448	2,669	2,827	3,332
CARAGA	4,449	5,173	6,151	6,348	6,122	6,301	7,746
ARMM	12,525	9,345	9,721	9,811	9,610	8,219	7,599
YIELD PER HECTARE (mt)							
PHILIPPINES	**0.58**	**0.61**	**0.72**	**0.68**	**0.52**	**0.57**	**0.58**
CAR							
Ilocos Region							
Cagayan Valley							
Central Luzon	0.00	0.08	0.04	0.04	0.08	0.03	0.07
CALABARZON	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MIMAROPA	0.07	0.15	0.25	0.23	0.09	0.06	0.04
Bicol Region	0.33	0.52	0.52	0.48	0.40	0.47	0.52
Western Visayas	0.36	0.40	0.10	0.11	0.13	0.24	0.21
Central Visayas	0.17	0.08	0.08	0.06	0.07	0.07	0.11
Eastern Visayas	1.18	0.78	1.06	1.05	0.71	0.76	0.65
Zamboanga Peninsula	0.80	0.92	0.21	0.18	0.12	0.12	0.07
Northern Mindanao	0.34	0.69	0.70	0.71	0.29	0.26	0.26
Davao Region	1.12	0.63	1.38	1.11	0.86	0.94	1.16
SOCCSKSARGEN	0.80	0.53	0.28	0.91	0.20	0.35	0.24
CARAGA	0.78	0.67	1.05	0.58	0.58	0.60	0.63
ARMM	0.47	0.64	0.51	0.63	0.42	0.48	0.64

TABLE 4.2 CACAO: PRODUCTION, AREA AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**9,848**	**7,927**	**6,628**	**6,531**	**5,803**	**5,693**	**5,648**
CAR	48	6	7	14	12	13	13
Ilocos Region	86	53	52	52	53	54	53
Cagayan Valley	53	49	107	109	104	100	96
Central Luzon	11	-	3	4	5	26	37
CALABARZON	61	52	55	60	60	54	53
MIMAROPA	81	74	43	41	41	37	35
Bicol Region	52	45	24	22	29	30	37
Western Visayas	431	203	107	108	106	103	98
Central Visayas	102	94	84	79	79	80	78
Eastern Visayas	137	121	133	127	127	129	131
Zamboanga Peninsula	470	341	189	179	187	162	157
Northern Mindanao	839	526	565	494	508	490	482
Davao Region	6,300	5,589	4,685	4,655	3,936	3,780	3,758
SOCCSKSARGEN	357	199	125	128	126	122	112
CARAGA	684	473	368	379	354	357	358
ARMM	135	104	80	78	75	156	152
AREA (ha)							
PHILIPPINES	**18,377**	**16,235**	**12,077**	**11,997**	**11,525**	**10,846**	**10,845**
CAR	33	15	19	27	26	26	27
Ilocos Region	157	148	82	82	81	81	81
Cagayan Valley	111	122	239	239	239	238	238
Central Luzon	16	1	4	4	8	32	32
CALABARZON	288	226	454	454	454	454	452
MIMAROPA	150	149	73	72	69	67	67
Bicol Region	495	363	344	344	344	347	355
Western Visayas	1,036	742	147	147	145	143	140
Central Visayas	225	225	165	167	166	167	167
Eastern Visayas	506	446	402	397	395	397	401
Zamboanga Peninsula	775	760	725	801	786	776	757
Northern Mindanao	1,027	856	1,144	1,144	1,086	1,086	1,041
Davao Region	8,213	8,045	5,900	5,938	5,385	4,793	4,961
SOCCSKSARGEN	879	653	222	230	234	221	182
CARAGA	2,921	2,327	1,020	973	970	978	956
ARMM	1,545	1,157	1,137	978	1,137	1,040	988
YIELD PER HECTARE (mt)							
PHILIPPINES	**0.54**	**0.49**	**0.55**	**0.54**	**0.50**	**0.52**	**0.52**
CAR	1.44	0.40	0.38	0.52	0.48	0.51	0.48
Ilocos Region	0.55	0.36	0.63	0.64	0.65	0.66	0.65
Cagayan Valley	0.48	0.40	0.45	0.46	0.44	0.42	0.40
Central Luzon	0.69	0.00	0.75	0.90	0.63	0.81	1.14
CALABARZON	0.21	0.23	0.12	0.13	0.13	0.12	0.12
MIMAROPA	0.54	0.49	0.59	0.57	0.59	0.55	0.52
Bicol Region	0.11	0.12	0.07	0.06	0.08	0.09	0.10
Western Visayas	0.42	0.27	0.73	0.73	0.73	0.72	0.70
Central Visayas	0.45	0.42	0.51	0.47	0.47	0.48	0.47
Eastern Visayas	0.27	0.27	0.33	0.32	0.32	0.32	0.33
Zamboanga Peninsula	0.61	0.45	0.26	0.22	0.24	0.21	0.21
Northern Mindanao	0.82	0.61	0.49	0.43	0.47	0.45	0.46
Davao Region	0.77	0.69	0.79	0.78	0.73	0.79	0.76
SOCCSKSARGEN	0.41	0.30	0.56	0.56	0.54	0.55	0.62
CARAGA	0.23	0.20	0.36	0.39	0.37	0.36	0.37
ARMM	0.09	0.09	0.07	0.08	0.07	0.15	0.15

TABLE 4.2a CACAO: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
BEARING TREES (no.)							
PHILIPPINES	**5,752,940**	**5,527,038**	**4,694,696**	**4,639,556**	**4,333,714**	**4,098,567**	**4,257,821**
CAR	26,320	12,061	10,668	12,082	11,116	11,119	10,554
Ilocos Region	73,850	22,111	17,869	17,869	17,869	18,118	17,907
Cagayan Valley	28,080	72,106	75,238	75,238	75,227	74,755	73,857
Central Luzon	6,430	4,642	3,832	3,832	4,152	13,473	13,573
CALABARZON	80,680	76,348	76,953	76,958	76,958	76,958	76,725
MIMAROPA	21,990	28,500	28,974	27,225	26,635	24,243	24,248
Bicol Region	77,330	68,024	65,754	65,754	67,399	67,797	68,090
Western Visayas	125,630	137,350	74,212	74,212	61,839	60,830	60,291
Central Visayas	68,270	66,000	66,881	66,881	66,831	66,954	66,909
Eastern Visayas	154,000	181,967	172,648	172,648	159,014	159,857	160,863
Zamboanga Peninsula	145,410	159,286	138,075	137,915	134,871	124,440	120,369
Northern Mindanao	524,100	450,572	492,709	492,709	497,424	496,603	495,631
Davao Region	3,913,010	3,702,450	2,973,515	2,924,515	2,670,072	2,448,075	2,641,268
SOCCSKSARGEN	132,160	197,862	119,143	119,143	105,350	103,629	85,877
CARAGA	273,230	253,000	282,808	277,658	260,459	259,535	254,088
ARMM	102,450	94,759	95,417	94,917	98,498	92,181	87,571
PLANTING DENSITY (Btrees/ha)							
PHILIPPINES	**313**	**340**	**389**	**387**	**376**	**378**	**393**
CAR	798	804	561	447	428	426	391
Ilocos Region	470	149	218	218	221	224	221
Cagayan Valley	253	591	315	315	315	314	310
Central Luzon	402	4,642	958	958	519	421	424
CALABARZON	280	338	170	170	170	170	170
MIMAROPA	147	191	397	378	386	362	362
Bicol Region	156	187	191	191	196	195	192
Western Visayas	121	185	505	505	426	425	431
Central Visayas	303	293	405	400	403	401	401
Eastern Visayas	304	408	429	435	403	403	401
Zamboanga Peninsula	188	210	190	172	172	160	159
Northern Mindanao	510	526	431	431	458	457	476
Davao Region	476	460	504	493	496	511	532
SOCCSKSARGEN	150	303	537	518	450	469	472
CARAGA	94	109	277	285	269	265	266
ARMM	66	82	84	97	87	89	89
YIELD PER BEARING TREE (kg)							
PHILIPPINES	**2**	**1**	**1**	**1**	**1**	**1**	**1**
CAR	2	0	1	1	1	1.2	1.2
Ilocos Region	1	2	3	3	3	3.0	3.0
Cagayan Valley	2	1	1	1	1	1.3	1.3
Central Luzon	2		1	1	1	1.9	2.7
CALABARZON	1	1	1	1	1	0.7	0.7
MIMAROPA	4	3	1	2	2	1.5	1.4
Bicol Region	1	1	0	0	0	0.4	0.5
Western Visayas	3	1	1	1	2	1.7	1.6
Central Visayas	1	1	1	1	1	1.2	1.2
Eastern Visayas	1	1	1	1	1	0.8	0.8
Zamboanga Peninsula	3	2	1	1	1	1.3	1.3
Northern Mindanao	2	1	1	1	1	1.0	1.0
Davao Region	2	2	2	2	1	1.5	1.4
SOCCSKSARGEN	3	1	1	1	1	1.2	1.3
CARAGA	3	2	1	1	1	1.4	1.4
ARMM	1	1	1	1	1	1.7	1.7

TABLE 4.3 CASHEW: PRODUCTION, AREA AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**97,674**	**153,567**	**111,019**	**111,153**	**111,223**	**111,291**	**116,910**
CAR	-	-	-	-	-	-	-
Ilocos Region	1,146	1,074	712	657	653	604	589
Cagayan Valley	3	81	102	105	80	78	99
Central Luzon	2,181	6,298	7,421	7,503	8,042	7,979	8,294
CALABARZON	623	592	218	217	231	237	246
MIMAROPA	90,441	141,707	100,217	100,346	100,358	100,592	106,353
Bicol Region	6	9	6	5	5	5	5
Western Visayas	1,627	1,788	822	764	650	649	674
Central Visayas	100	188	123	123	124	127	129
Eastern Visayas	-	-	-	-	-	-	-
Zamboanga Peninsula	-	-	6	8	10	11	13
Northern Mindanao	1,444	1,564	1,163	1,196	848	785	298
Davao Region	49	214	173	170	166	162	156
SOCCSKSARGEN	20	16	18	20	20	20	18
CARAGA	34	35	38	38	35	42	36
ARMM	-	-	-	-	-	0	0
AREA (ha)							
PHILIPPINES	**25,646**	**28,353**	**27,981**	**27,979**	**27,863**	**27,835**	**27,802**
CAR	-	-	-	-	-	-	-
Ilocos Region	638	597	500	500	500	500	495
Cagayan Valley	35	47	48	48	48	45	45
Central Luzon	2,023	2,094	1,800	1,801	1,781	1,737	1,732
CALABARZON	99	95	87	87	87	88	91
MIMAROPA	21,576	24,099	24,346	24,346	24,346	24,346	24,392
Bicol Region	7	6	4	4	3	3	3
Western Visayas	622	538	422	421	420	418	419
Central Visayas	20	20	20	20	20	21	21
Eastern Visayas	-	-	-	-	-	-	-
Zamboanga Peninsula	1	9	10	10	10	39	40
Northern Mindanao	518	521	424	424	332	318	167
Davao Region	80	285	268	267	266	266	342
SOCCSKSARGEN	7	8	12	12	12	16	16
CARAGA	20	34	38	38	37	37	37
ARMM	-	-	1	1	1	1	2
YIELD PER HECTARE (mt)							
PHILIPPINES	**3.81**	**5.42**	**3.97**	**3.97**	**3.99**	**4.00**	**4.21**
CAR							
Ilocos Region	1.80	1.80	1.42	1.31	1.31	1.21	1.19
Cagayan Valley	0.08	1.72	2.12	2.19	1.67	1.73	2.20
Central Luzon	1.08	3.01	4.12	4.17	4.52	4.59	4.79
CALABARZON	6.32	6.24	2.50	2.49	2.66	2.69	2.70
MIMAROPA	4.19	5.88	4.12	4.12	4.12	4.13	4.36
Bicol Region	0.87	1.46	1.51	1.36	1.66	1.78	1.74
Western Visayas	2.62	3.32	1.95	1.82	1.55	1.55	1.61
Central Visayas	5.02	9.42	6.13	6.16	6.22	6.06	6.15
Eastern Visayas							
Zamboanga Peninsula	0.00	0.00	0.64	0.79	1.01	0.27	0.33
Northern Mindanao	2.79	3.00	2.74	2.82	2.55	2.47	1.78
Davao Region	0.61	0.75	0.65	0.64	0.62	0.61	0.46
SOCCSKSARGEN	2.89	2.04	1.50	1.64	1.67	1.22	1.14
CARAGA	1.69	1.03	1.00	1.00	0.95	1.13	0.97
ARMM			0.00	0.00	0.00	0.48	0.23

TABLE 4.3a CASHEW: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
BEARING TREES (no.)							
PHILIPPINES	**3,178,109**	**3,544,572**	**3,535,743**	**3,535,499**	**3,520,050**	**3,516,080**	**3,516,314**
CAR	-	-	-	-	-	-	-
Ilocos Region	91,250	86,955	69,553	69,553	69,553	69,553	69,553
Cagayan Valley	945	5,106	5,442	5,442	5,446	4,775	4,775
Central Luzon	191,445	228,533	210,005	210,005	207,940	205,735	207,660
CALABARZON	20,003	30,736	12,393	12,393	12,688	12,687	12,698
MIMAROPA	2,697,877	3,010,783	3,084,158	3,084,158	3,084,158	3,084,158	3,104,774
Bicol Region	775	626	420	380	355	355	359
Western Visayas	90,390	76,626	60,920	60,795	60,661	60,489	60,343
Central Visayas	5,000	5,000	5,100	5,100	5,100	5,304	5,315
Eastern Visayas	-	-	-	-	-	-	-
Zamboanga Peninsula	60	-	835	816	867	1,100	3,854
Northern Mindanao	72,803	72,826	56,250	56,250	43,592	41,705	16,693
Davao Region	3,990	24,584	24,528	24,468	23,980	23,814	23,604
SOCCSKSARGEN	1,598	1,467	1,809	1,809	1,860	1,995	2,025
CARAGA	1,973	1,330	4,330	4,330	3,850	4,290	4,540
ARMM	-	-	-	-	-	120	121
PLANTING DENSITY (Btrees/ha)							
PHILIPPINES	**124**	**125**	**126**	**126**	**126**	**126**	**126**
CAR							
Ilocos Region	143	146	139	139	139	139	141
Cagayan Valley	27	109	113	113	113	106	106
Central Luzon	95	109	117	117	117	118	120
CALABARZON	203	324	142	142	146	144	140
MIMAROPA	125	125	127	127	127	127	127
Bicol Region	108	101	105	95	118	118	120
Western Visayas	145	142	144	144	144	145	144
Central Visayas	250	250	255	255	255	253	253
Eastern Visayas							
Zamboanga Peninsula	60	-	84	82	87	28	96
Northern Mindanao	141	140	133	133	131	131	100
Davao Region	50	86	92	92	90	90	69
SOCCSKSARGEN	228	183	151	151	155	125	127
CARAGA	99	39	114	114	104	116	123
ARMM			-	-	-	120	61
YIELD PER BEARING TREE (kg)							
PHILIPPINES	**31**	**43**	**31**	**31**	**32**	**32**	**33**
CAR							
Ilocos Region	13	12	10	9	9	8.7	8.5
Cagayan Valley	3	16	19	19	15	16.3	20.7
Central Luzon	11		35	36	39	38.8	39.9
CALABARZON	31	19	18	18	18	18.7	19.4
MIMAROPA	34	47	32	33	33	32.6	34.3
Bicol Region	8	14	14	14	14	15.0	14.5
Western Visayas	18	23	13	13	11	10.7	11.2
Central Visayas	20	38	24	24	24	24.0	24.3
Eastern Visayas							
Zamboanga Peninsula	-		8	10	12	9.7	3.4
Northern Mindanao	20	21	21	21	19	18.8	17.8
Davao Region	12	9	7	7	7	6.8	6.6
SOCCSKSARGEN	13	11	10	11	11	9.8	9.0
CARAGA	17	26	9	9	9	9.7	7.9
ARMM						4.0	3.7

TABLE 4.4 COCONUT: PRODUCTION, AREA AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**11,941,960**	**12,790,840**	**12,994,654**	**13,146,052**	**14,068,495**	**14,294,203**	**14,366,184**
CAR	875	895	875	879	827	773	776
Ilocos Region	14,363	18,053	19,952	20,484	20,814	22,072	23,427
Cagayan Valley	22,970	34,575	39,554	44,491	49,085	48,944	56,875
Central Luzon	90,510	133,782	144,044	153,683	180,858	167,685	179,493
CALABARZON	1,434,719	1,402,227	1,245,919	1,258,299	1,598,126	1,554,213	1,515,605
MIMAROPA	382,474	527,698	515,077	526,000	651,562	629,356	628,285
Bicol Region	830,111	1,013,449	1,165,456	1,122,499	1,042,786	1,246,495	1,197,506
Western Visayas	304,130	292,523	400,903	446,155	502,640	493,256	495,004
Central Visayas	387,070	368,354	304,634	318,170	330,514	340,520	359,213
Eastern Visayas	1,172,465	956,927	1,568,171	1,514,674	1,690,953	1,737,326	1,743,178
Zamboanga Peninsula	954,161	1,367,318	1,038,372	1,268,404	1,251,103	1,262,631	1,286,013
Northern Mindanao	947,016	857,731	1,288,293	1,374,174	1,486,981	1,484,132	1,494,231
Davao Region	2,879,365	3,379,173	2,744,237	2,653,197	2,495,382	2,452,447	2,492,410
SOCCSKSARGEN	852,727	829,013	704,936	731,154	764,926	800,997	784,385
CARAGA	654,751	539,583	690,404	610,806	887,722	929,556	955,382
ARMM	1,014,254	1,069,539	1,123,828	1,102,983	1,114,216	1,123,802	1,154,403
AREA (ha)							
PHILIPPINES	**3,111,978**	**3,094,504**	**3,143,909**	**3,148,651**	**3,181,670**	**3,216,528**	**3,258,576**
CAR	238	246	235	236	266	266	270
Ilocos Region	13,701	13,370	12,123	12,060	10,715	10,823	10,953
Cagayan Valley	6,475	6,598	8,217	8,224	9,723	12,024	13,609
Central Luzon	36,236	35,471	27,684	28,568	25,293	25,192	25,222
CALABARZON	349,035	345,857	347,548	350,712	353,199	352,604	353,449
MIMAROPA	147,694	148,343	148,807	149,990	141,392	149,994	153,785
Bicol Region	374,378	374,965	367,245	369,169	389,293	412,504	412,443
Western Visayas	118,764	113,289	113,339	114,904	115,318	115,620	115,183
Central Visayas	138,476	133,952	126,200	126,245	126,586	127,895	128,344
Eastern Visayas	341,058	330,140	364,808	364,426	368,322	368,535	369,795
Zamboanga Peninsula	328,578	318,946	323,765	321,928	318,514	318,279	334,977
Northern Mindanao	276,908	272,842	286,221	284,866	299,576	298,345	299,886
Davao Region	380,870	383,890	369,204	368,681	376,224	374,175	379,865
SOCCSKSARGEN	142,992	136,249	148,540	150,805	153,743	156,601	157,510
CARAGA	220,811	218,193	228,178	227,481	237,574	237,738	221,938
ARMM	235,764	262,153	271,795	270,356	255,932	255,933	281,347
YIELD PER HECTARE (mt)							
PHILIPPINES	**3.84**	**4.13**	**4.13**	**4.18**	**4.42**	**4.44**	**4.41**
CAR	3.67	3.63	3.73	3.72	3.11	2.91	2.87
Ilocos Region	1.05	1.35	1.65	1.70	1.94	2.04	2.14
Cagayan Valley	3.55	5.24	4.81	5.41	5.05	4.07	4.18
Central Luzon	2.50	3.77	5.20	5.38	7.15	6.66	7.12
CALABARZON	4.11	4.05	3.58	3.59	4.52	4.41	4.29
MIMAROPA	2.59	3.56	3.46	3.51	4.61	4.20	4.09
Bicol Region	2.22	2.70	3.17	3.04	2.68	3.02	2.90
Western Visayas	2.56	2.58	3.54	3.88	4.36	4.27	4.30
Central Visayas	2.80	2.75	2.41	2.52	2.61	2.66	2.80
Eastern Visayas	3.44	2.90	4.30	4.16	4.59	4.71	4.71
Zamboanga Peninsula	2.90	4.29	3.21	3.94	3.93	3.97	3.84
Northern Mindanao	3.42	3.14	4.50	4.82	4.96	4.97	4.98
Davao Region	7.56	8.80	7.43	7.20	6.63	6.55	6.56
SOCCSKSARGEN	5.96	6.08	4.75	4.85	4.98	5.11	4.98
CARAGA	2.97	2.47	3.03	2.69	3.74	3.91	4.30
ARMM	4.30	4.08	4.13	4.08	4.35	4.39	4.10

TABLE 4.4a COCONUT: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
BEARING TREES (no.)							
PHILIPPINES	**302,297,227**	**301,309,547**	**300,833,466**	**297,438,528**	**312,944,023**	**324,324,277**	**331,465,540**
CAR	27,620	28,061	28,325	28,365	32,646	32,666	32,781
Ilocos Region	553,678	648,248	686,286	687,046	725,380	806,193	841,321
Cagayan Valley	671,650	679,685	688,007	689,280	1,339,485	1,348,958	1,349,281
Central Luzon	2,701,622	2,664,210	2,159,834	2,166,453	2,440,770	2,443,572	2,438,827
CALABARZON	48,539,600	45,662,653	43,476,408	43,365,359	43,522,729	43,484,552	43,424,708
MIMAROPA	18,102,840	17,394,259	16,321,147	16,285,621	16,477,707	16,475,757	16,503,230
Bicol Region	21,241,090	21,037,465	21,309,925	21,404,950	28,297,953	32,679,913	33,012,116
Western Visayas	7,975,580	7,905,449	7,890,092	7,879,408	9,048,251	9,055,251	9,022,943
Central Visayas	13,490,840	13,211,906	12,524,145	12,324,206	11,809,257	12,720,513	12,575,430
Eastern Visayas	35,426,690	38,083,458	41,870,477	41,904,107	42,577,962	47,790,617	47,892,447
Zamboanga Peninsula	29,543,860	28,551,039	28,430,755	26,372,886	28,453,608	29,703,098	29,603,753
Northern Mindanao	23,747,060	23,244,632	23,379,186	22,450,206	26,273,371	26,022,325	29,540,248
Davao Region	37,677,600	38,139,575	37,425,449	37,105,790	38,080,557	37,863,328	39,703,893
SOCCSKSARGEN	12,808,088	12,442,312	11,273,688	11,001,056	10,546,966	11,366,380	12,527,574
CARAGA	24,409,179	23,620,011	22,638,621	23,065,610	22,229,550	22,232,300	20,374,800
ARMM	25,380,230	27,996,582	30,731,121	30,708,185	31,087,831	30,298,854	32,622,188
PLANTING DENSITY (Btrees/ha)							
PHILIPPINES	**97**	**97**	**96**	**94**	**98**	**101**	**102**
CAR	116	114	121	120	123	123	121
Ilocos Region	40	48	57	57	68	74	77
Cagayan Valley	104	103	84	84	138	112	99
Central Luzon	75	75	78	76	96	97	97
CALABARZON	139	132	125	124	123	123	123
MIMAROPA	123	117	110	109	117	110	107
Bicol Region	57	56	58	58	73	79	80
Western Visayas	67	70	70	69	78	78	78
Central Visayas	97	99	99	98	93	99	98
Eastern Visayas	104	115	115	115	116	130	130
Zamboanga Peninsula	90	90	88	82	89	93	88
Northern Mindanao	86	85	82	79	88	87	99
Davao Region	99	99	101	101	101	101	105
SOCCSKSARGEN	90	91	76	73	69	73	80
CARAGA	111	108	99	101	94	94	92
ARMM	108	107	113	114	121	118	116
YIELD PER BEARING TREE (kg)							
PHILIPPINES	**40**	**42**	**43**	**44**	**45**	**44**	**43**
CAR	32	32	31	31	25	23.7	23.7
Ilocos Region	26	28	29	30	29	27.4	27.8
Cagayan Valley	34	51	57	65	37	36.3	42.2
Central Luzon	34		67	71	74	68.6	73.6
CALABARZON	30	31	29	29	37	35.7	34.9
MIMAROPA	21	30	32	32	40	38.2	38.1
Bicol Region	39	48	55	52	37	38.1	36.3
Western Visayas	38	37	51	57	56	54.5	54.9
Central Visayas	29	28	24	26	28	26.8	28.6
Eastern Visayas	33	25	37	36	40	36.4	36.4
Zamboanga Peninsula	32	48	37	48	44	42.5	43.4
Northern Mindanao	40	37	55	61	57	57.0	50.6
Davao Region	76	89	73	72	66	64.8	62.8
SOCCSKSARGEN	67	67	63	66	73	70.5	62.6
CARAGA	27	23	30	26	40	41.8	46.9
ARMM	40	38	37	36	36	37.1	35.4

TABLE 4.5 COFFEE: PRODUCTION, AREA AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**125,659**	**127,412**	**107,557**	**112,271**	**107,080**	**106,388**	**102,865**
CAR	6,352	5,328	5,944	7,073	6,339	5,766	5,622
Ilocos Region	50	59	69	69	68	72	75
Cagayan Valley	1,113	1,878	2,134	2,386	2,257	2,087	1,550
Central Luzon	2,668	2,353	2,079	2,036	2,010	1,778	1,708
CALABARZON	21,083	21,240	11,318	13,778	12,648	12,953	12,324
MIMAROPA	2,769	880	299	262	223	214	203
Bicol Region	1,379	1,155	498	506	515	497	418
Western Visayas	7,624	7,798	6,182	6,117	6,306	6,241	6,336
Central Visayas	889	854	830	799	786	742	718
Eastern Visayas	554	469	198	210	219	222	217
Zamboanga Peninsula	1,053	1,357	1,271	1,334	1,376	1,347	1,356
Northern Mindanao	9,990	7,855	6,601	6,209	6,286	6,201	6,108
Davao Region	43,031	40,686	35,090	35,329	33,825	33,162	30,586
SOCCSKSARGEN	12,301	19,581	19,000	20,663	19,151	19,875	20,814
CARAGA	6,095	5,717	4,243	4,247	4,281	4,291	4,312
ARMM	8,707	10,200	11,802	11,253	10,791	10,941	10,517
AREA (ha)							
PHILIPPINES	**144,007**	**140,897**	**136,921**	**135,354**	**132,408**	**131,790**	**131,206**
CAR	6,255	7,392	7,747	7,528	7,628	7,628	7,778
Ilocos Region	84	105	111	112	112	112	113
Cagayan Valley	3,376	3,779	3,745	3,732	3,746	3,646	3,332
Central Luzon	3,166	2,764	1,903	1,963	1,683	1,643	1,617
CALABARZON	19,813	18,237	16,978	16,970	16,777	16,766	16,645
MIMAROPA	3,053	1,728	1,073	1,048	959	957	952
Bicol Region	2,650	2,669	1,200	1,044	1,020	1,019	1,033
Western Visayas	11,918	11,474	10,127	10,126	10,108	10,108	10,133
Central Visayas	2,416	2,246	1,700	1,691	1,670	1,647	1,646
Eastern Visayas	689	604	382	387	406	406	414
Zamboanga Peninsula	1,581	1,828	1,602	1,594	1,657	1,657	1,594
Northern Mindanao	20,638	16,941	14,917	13,620	13,427	13,315	13,301
Davao Region	38,223	35,630	31,923	31,489	30,152	29,959	29,684
SOCCSKSARGEN	12,888	16,466	24,863	25,423	24,495	24,495	24,536
CARAGA	5,565	5,334	4,869	4,862	4,837	4,837	4,827
ARMM	11,692	13,700	13,781	13,765	13,731	13,595	13,600
YIELD PER HECTARE (mt)							
PHILIPPINES	**0.87**	**0.90**	**0.79**	**0.83**	**0.81**	**0.81**	**0.78**
CAR	1.02	0.72	0.77	0.94	0.83	0.76	0.72
Ilocos Region	0.59	0.57	0.62	0.61	0.61	0.64	0.66
Cagayan Valley	0.33	0.50	0.57	0.64	0.60	0.57	0.47
Central Luzon	0.84	0.85	1.09	1.04	1.19	1.08	1.06
CALABARZON	1.06	1.16	0.67	0.81	0.75	0.77	0.74
MIMAROPA	0.91	0.51	0.28	0.25	0.23	0.22	0.21
Bicol Region	0.52	0.43	0.42	0.49	0.50	0.49	0.40
Western Visayas	0.64	0.68	0.61	0.60	0.62	0.62	0.63
Central Visayas	0.37	0.38	0.49	0.47	0.47	0.45	0.44
Eastern Visayas	0.80	0.78	0.52	0.54	0.54	0.55	0.52
Zamboanga Peninsula	0.67	0.74	0.79	0.84	0.83	0.81	0.85
Northern Mindanao	0.48	0.46	0.44	0.46	0.47	0.47	0.46
Davao Region	1.13	1.14	1.10	1.12	1.12	1.11	1.03
SOCCSKSARGEN	0.95	1.19	0.76	0.81	0.78	0.81	0.85
CARAGA	1.10	1.07	0.87	0.87	0.88	0.89	0.89
ARMM	0.74	0.74	0.86	0.82	0.79	0.80	0.77

TABLE 4.5a COFFEE: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
BEARING TREES (no.)							
PHILIPPINES	**99,499,931**	**100,062,397**	**95,112,874**	**95,961,496**	**93,536,210**	**91,522,202**	**91,866,361**
CAR	3,774,327	4,482,655	4,782,632	5,114,702	4,714,294	4,714,256	4,819,151
Ilocos Region	56,082	67,416	73,703	73,896	73,440	73,804	74,461
Cagayan Valley	2,233,221	2,560,257	2,626,600	2,612,576	2,618,609	2,545,839	2,258,568
Central Luzon	1,973,295	1,810,235	1,290,392	1,270,659	1,188,562	1,137,750	1,115,595
CALABARZON	17,835,799	16,837,884	14,665,338	14,709,147	14,423,727	14,395,485	14,311,874
MIMAROPA	1,760,575	813,206	444,469	415,917	360,788	360,788	358,212
Bicol Region	1,634,398	1,787,484	796,070	722,857	718,656	723,847	731,772
Western Visayas	5,589,242	6,608,883	6,101,657	6,101,198	6,092,128	6,090,739	6,116,551
Central Visayas	1,329,140	1,203,205	1,190,952	1,181,927	1,177,927	1,145,946	1,145,235
Eastern Visayas	405,481	381,013	208,778	215,680	212,180	212,180	212,184
Zamboanga Peninsula	911,963	936,371	886,204	830,655	861,854	861,854	822,351
Northern Mindanao	11,345,509	9,344,012	7,878,050	7,244,270	7,054,575	7,004,713	6,949,397
Davao Region	29,866,291	28,539,037	25,872,353	26,644,609	25,613,444	24,331,506	23,973,078
SOCCSKSARGEN	8,395,482	12,132,181	16,287,565	16,659,023	16,131,635	16,131,635	17,181,578
CARAGA	4,670,270	4,478,484	3,194,032	3,195,637	3,151,308	3,143,533	3,145,590
ARMM	7,718,856	8,080,074	8,814,079	8,968,743	9,143,083	8,648,327	8,650,764
PLANTING DENSITY (Btrees/ha)							
PHILIPPINES	**691**	**710**	**695**	**709**	**706**	**694**	**700**
CAR	603	606	617	679	618	618	620
Ilocos Region	668	642	664	660	656	659	659
Cagayan Valley	661	677	701	700	699	698	678
Central Luzon	623	655	678	647	706	692	690
CALABARZON	900	923	864	867	860	859	860
MIMAROPA	577	471	414	397	376	377	376
Bicol Region	617	670	663	693	705	710	708
Western Visayas	469	576	603	603	603	603	604
Central Visayas	550	536	701	699	705	696	696
Eastern Visayas	589	631	547	557	523	523	513
Zamboanga Peninsula	577	512	553	521	520	520	516
Northern Mindanao	550	552	528	532	525	526	522
Davao Region	781	801	810	846	849	812	808
SOCCSKSARGEN	651	737	655	655	659	659	700
CARAGA	839	840	656	657	652	650	652
ARMM	660	590	640	652	666	636	636
YIELD PER BEARING TREE (kg)							
PHILIPPINES	**1**	**1**	**1**	**1**	**1**	**1**	**1**
CAR	2	1	1	1	1	1.2	1.2
Ilocos Region	1	1	1	1	1	1.0	1.0
Cagayan Valley	0	1	1	1	1	0.8	0.7
Central Luzon	1		2	2	2	1.6	1.5
CALABARZON	1	1	1	1	1	0.9	0.9
MIMAROPA	2	1	1	1	1	0.6	0.6
Bicol Region	1	1	1	1	1	0.7	0.6
Western Visayas	1	1	1	1	1	1.0	1.0
Central Visayas	1	1	1	1	1	0.6	0.6
Eastern Visayas	1	1	1	1	1	1.0	1.0
Zamboanga Peninsula	1	1	1	2	2	1.6	1.6
Northern Mindanao	1	1	1	1	1	0.9	0.9
Davao Region	1	1	1	1	1	1.4	1.3
SOCCSKSARGEN	1	2	1	1	1	1.2	1.2
CARAGA	1	1	1	1	1	1.4	1.4
ARMM	1	1	1	1	1	1.3	1.2

TABLE 4.6 COTTON: PRODUCTION, AREA AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**12,520**	**8,093**	**1,114**	**2,489**	**4,541**	**2,231**	**4,297**
CAR	-	-	-	-	-	-	-
Ilocos Region	1,622	2,360	173	619	481	441	403
Cagayan Valley	-	-	-	-	-	-	4
Central Luzon	1	275	12	86	7	-	-
CALABARZON	-	-	-	-	-	-	-
MIMAROPA	-	-	-	-	-	-	-
Bicol Region	-	-	-	-	-	-	-
Western Visayas	615	145	15	174	658	228	106
Central Visayas	90	705	67	141	261	337	221
Eastern Visayas	-	-	-	-	-	-	-
Zamboanga Peninsula	-	354	61	114	76	164	148
Northern Mindanao	248	100	-	-	-	-	-
Davao Region	-	48	2	-	263	180	182
SOCCSKSARGEN	8,007	3,208	496	842	2,494	624	3,115
CARAGA	-	-	-	-	-	-	0
ARMM	1,937	900	287	514	300	257	117
AREA (ha)							
PHILIPPINES	**10,569**	**7,675**	**2,535**	**3,219**	**4,163**	**1,994**	**2,972**
CAR	-	-	-	-	-	-	-
Ilocos Region	1,032	1,024	489	518	372	324	213
Cagayan Valley	-	-	-	-	-	-	5
Central Luzon	9	168	120	100	8	-	2
CALABARZON	-	-	-	-	-	-	-
MIMAROPA	-	-	-	-	-	-	-
Bicol Region	-	-	-	-	-	-	-
Western Visayas	926	184	55	188	341	166	77
Central Visayas	227	871	787	420	344	334	160
Eastern Visayas	-	-	-	-	-	-	-
Zamboanga Peninsula	-	550	360	474	174	160	158
Northern Mindanao	564	100	-	-	-	-	-
Davao Region	-	53	14	5	202	150	202
SOCCSKSARGEN	4,141	4,055	298	363	2,322	604	2,037
CARAGA	-	-	-	-	-	-	1
ARMM	3,670	670	412	1,151	400	257	117
YIELD PER HECTARE (mt)							
PHILIPPINES	**1.18**	**1.05**	**0.44**	**0.77**	**1.09**	**1.12**	**1.45**
CAR							
Ilocos Region	1.57	2.30	0.35	1.19	1.29	1.36	1.90
Cagayan Valley							0.79
Central Luzon	0.12	1.64	0.10	0.85	0.88		0.00
CALABARZON							
MIMAROPA							
Bicol Region							
Western Visayas	0.66	0.79	0.27	0.93	1.93	1.38	1.37
Central Visayas	0.40	0.81	0.09	0.33	0.76	1.01	1.38
Eastern Visayas							
Zamboanga Peninsula		0.64	0.17	0.24	0.43	1.03	0.94
Northern Mindanao	0.44	1.00					
Davao Region		0.90	0.14	0.00	1.30	1.20	0.90
SOCCSKSARGEN	1.93	0.79	1.66	2.32	1.07	1.03	1.53
CARAGA							0.25
ARMM	0.53	1.34	0.70	0.45	0.75	1.00	1.00

TABLE 4.7 RUBBER: PRODUCTION, AREA AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**185,392**	**181,619**	**216,309**	**264,042**	**267,712**	**273,979**	**311,294**
CAR	-	-	-	-	-	-	-
Ilocos Region	-	-	-	-	-	-	-
Cagayan Valley	-	-	-	-	-	-	-
Central Luzon	-	-	-	-	-	-	-
CALABARZON	-	-	-	-	14	11	32
MIMAROPA	-	-	3	3	7	14	14
Bicol Region	-	-	-	-	-	-	-
Western Visayas	-	-	-	-	-	-	-
Central Visayas	-	-	-	-	-	-	-
Eastern Visayas	-	-	-	-	-	-	-
Zamboanga Peninsula	86,343	85,460	103,742	151,183	147,248	145,928	143,185
Northern Mindanao	4,298	4,190	10,586	7,244	9,853	9,692	9,675
Davao Region	12,279	14,545	13,453	13,530	13,616	15,390	15,597
SOCCSKSARGEN	49,227	33,174	54,943	49,798	53,918	60,022	99,302
CARAGA	10,148	21,154	14,161	16,809	16,958	17,247	16,888
ARMM	23,097	23,096	19,421	25,475	26,097	25,676	26,602
AREA (ha)							
PHILIPPINES	**86,332**	**86,668**	**81,036**	**78,108**	**81,312**	**80,524**	**80,696**
CAR	-	-	-	-	-	-	-
Ilocos Region	-	-	-	-	-	-	-
Cagayan Valley	-	-	-	-	-	-	-
Central Luzon	-	-	-	-	-	-	-
CALABARZON	-	-	-	-	212	212	216
MIMAROPA	-	-	40	40	40	40	42
Bicol Region	-	-	-	-	-	-	-
Western Visayas	-	-	-	-	-	-	-
Central Visayas	-	-	-	-	-	-	-
Eastern Visayas	-	-	-	-	-	-	-
Zamboanga Peninsula	33,091	31,501	32,278	31,574	32,395	32,438	32,838
Northern Mindanao	3,828	4,648	4,808	4,794	4,579	4,526	4,526
Davao Region	5,695	6,240	6,687	6,626	6,690	6,683	6,358
SOCCSKSARGEN	21,679	22,172	23,878	21,734	23,878	23,114	23,169
CARAGA	9,559	9,547	5,610	5,605	5,558	5,560	5,445
ARMM	12,480	12,560	7,735	7,735	7,960	7,951	8,102
YIELD PER HECTARE (mt)							
PHILIPPINES	**2.15**	**2.10**	**2.67**	**3.38**	**3.29**	**3.40**	**3.86**
CAR							
Ilocos Region							
Cagayan Valley							
Central Luzon							
CALABARZON					0.07	0.05	0.15
MIMAROPA			0.08	0.08	0.17	0.34	0.34
Bicol Region							
Western Visayas							
Central Visayas							
Eastern Visayas							
Zamboanga Peninsula	2.61	2.71	3.21	4.79	4.55	4.50	4.36
Northern Mindanao	1.12	0.90	2.20	1.51	2.15	2.14	2.14
Davao Region	2.16	2.33	2.01	2.04	2.04	2.30	2.45
SOCCSKSARGEN	2.27	1.50	2.30	2.29	2.26	2.60	4.29
CARAGA	1.06	2.22	2.52	3.00	3.05	3.10	3.10
ARMM	1.85	1.84	2.51	3.29	3.28	3.23	3.28

TABLE 4.7a RUBBER: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
BEARING TREES (no.)							
PHILIPPINES	**18,729,000**	**23,886,000**	**25,250,262**	**25,190,726**	**25,127,597**	**25,415,604**	**27,703,924**
CAR	-	-	-	-	-	-	-
Ilocos Region	-	-	-	-	-	-	-
Cagayan Valley	-	-	-	-	-	-	-
Central Luzon	-	-	-	-	-	-	-
CALABARZON	-	-	-	-	7,380	7,380	20,275
MIMAROPA	-	-	31,000	31,000	31,000	31,000	31,100
Bicol Region	-	-	-	-	-	-	-
Western Visayas	-	-	-	-	-	-	-
Central Visayas	-	-	-	-	-	-	-
Eastern Visayas	-	-	-	-	-	-	-
Zamboanga Peninsula	9,110,700	11,377,221	11,553,434	11,553,434	11,566,141	11,576,693	11,775,759
Northern Mindanao	388,290	452,860	456,730	456,730	423,571	418,704	418,811
Davao Region	939,590	1,480,686	1,551,665	1,493,558	1,447,415	1,442,767	1,404,799
SOCCSKSARGEN	3,701,110	3,861,748	7,148,368	7,148,368	7,146,768	7,365,913	9,461,330
CARAGA	1,456,930	3,580,261	2,526,500	2,525,400	2,524,696	2,524,696	2,467,000
ARMM	3,132,380	3,133,224	1,982,565	1,982,236	1,980,626	2,048,451	2,124,850
PLANTING DENSITY (Btrees/ha)							
PHILIPPINES	**217**	**276**	**312**	**323**	**309**	**316**	**343**
CAR							
Ilocos Region							
Cagayan Valley							
Central Luzon							
CALABARZON					35	35	94
MIMAROPA			775	775	775	775	740
Bicol Region							
Western Visayas							
Central Visayas							
Eastern Visayas							
Zamboanga Peninsula	275	361	358	366	357	357	359
Northern Mindanao	101	97	95	95	93	93	93
Davao Region	165	237	232	225	216	216	221
SOCCSKSARGEN	171	174	299	329	299	319	408
CARAGA	152	375	450	451	454	454	453
ARMM	251	249	256	256	249	258	262
YIELD PER BEARING TREE (kg)							
PHILIPPINES	**10**	**8**	**9**	**10**	**11**	**11**	**11**
CAR							
Ilocos Region							
Cagayan Valley							
Central Luzon							
CALABARZON					2	1.5	1.6
MIMAROPA			0	0	0	0.4	0.5
Bicol Region							
Western Visayas							
Central Visayas							
Eastern Visayas							
Zamboanga Peninsula	9	8	9	13	13	12.6	12.2
Northern Mindanao	11	9	23	16	23	23.1	23.1
Davao Region	13	10	9	9	9	10.7	11.1
SOCCSKSARGEN	13	9	8	7	8	8.1	10.5
CARAGA	7	6	6	7	7	6.8	6.8
ARMM	7	7	10	13	13	12.5	12.5

TABLE 4.8 SUGARCANE: PRODUCTION, AREA AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

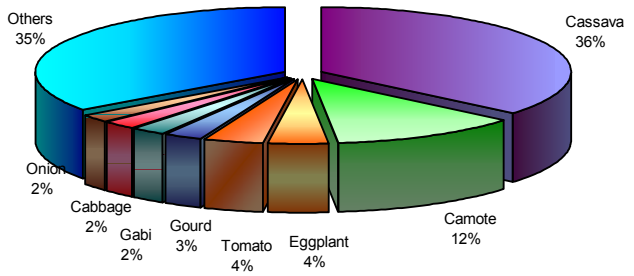
REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**18,666,861**	**17,774,401**	**21,223,438**	**21,708,722**	**21,417,288**	**23,978,373**	**25,579,214**
CAR	-	-	475	475	475	480	478
Ilocos Region	44,446	17,561	11,794	10,155	9,258	18,293	18,789
Cagayan Valley	55,459	91,955	111,374	151,196	157,757	246,888	332,237
Central Luzon	2,178,020	1,109,005	1,557,413	1,454,907	1,531,828	1,427,670	1,368,585
CALABARZON	1,789,633	1,793,497	1,806,791	2,003,688	1,925,462	1,657,150	1,915,046
MIMAROPA	-	-	-	-	-	-	-
Bicol Region	49,158	216,666	239,029	244,014	218,609	317,333	363,174
Western Visayas	11,119,738	10,337,607	11,465,136	11,739,638	11,130,645	12,755,236	13,714,827
Central Visayas	1,349,014	1,804,800	2,067,245	2,097,792	1,977,635	2,271,373	2,444,124
Eastern Visayas	674,382	606,887	523,360	564,340	443,400	559,886	557,990
Zamboanga Peninsula	-	-	251	772	638	601	642
Northern Mindanao	1,225,957	1,361,109	1,931,933	1,765,352	2,643,022	3,165,902	3,583,496
Davao Region	181,054	408,804	534,598	495,571	544,962	531,162	594,260
SOCCSKSARGEN	-	26,509	973,973	1,167,331	802,264	964,968	611,087
CARAGA	-	-	40	63	31	30	32
ARMM	-	-	28	13,427	31,301	61,401	74,446
AREA (ha)							
PHILIPPINES	**235,269**	**302,005**	**383,824**	**373,705**	**359,867**	**383,901**	**388,637**
CAR	-	-	19	19	19	19	19
Ilocos Region	762	298	318	272	272	467	435
Cagayan Valley	678	1,562	5,114	4,314	4,510	4,346	6,235
Central Luzon	26,630	18,848	28,554	25,845	28,302	26,411	24,792
CALABARZON	21,882	30,474	28,908	30,748	31,487	29,013	29,294
MIMAROPA	-	-	-	-	-	-	-
Bicol Region	601	3,681	5,941	6,144	5,960	6,060	6,560
Western Visayas	135,964	175,644	199,932	196,292	175,678	182,633	187,228
Central Visayas	23,234	30,665	45,232	41,650	40,211	40,367	39,886
Eastern Visayas	8,246	10,311	8,670	10,358	10,225	9,276	9,524
Zamboanga Peninsula	-	-	76	189	158	148	152
Northern Mindanao	14,990	23,126	33,082	28,960	38,355	56,135	61,214
Davao Region	2,282	6,946	11,411	11,009	11,422	10,886	11,346
SOCCSKSARGEN	-	450	16,563	17,698	12,803	17,077	10,989
CARAGA	-	-	3	5	4	2	3
ARMM	-	-	2	202	461	1,061	959
YIELD PER HECTARE (mt)							
PHILIPPINES	**79.34**	**58.85**	**55.29**	**58.09**	**59.51**	**62.46**	**65.82**
CAR			25.00	25.00	25.00	25.26	25.16
Ilocos Region	58.33	58.93	37.13	37.32	34.01	39.17	43.16
Cagayan Valley	81.80	58.87	21.78	35.05	34.98	56.81	53.28
Central Luzon	81.79	58.84	54.54	56.29	54.12	54.06	55.20
CALABARZON	81.79	58.85	62.50	65.16	61.15	57.12	65.37
MIMAROPA							
Bicol Region	81.79	58.86	40.23	39.72	36.68	52.36	55.36
Western Visayas	81.78	58.86	57.35	59.81	63.36	69.84	73.25
Central Visayas	58.06	58.86	45.70	50.37	49.18	56.27	61.28
Eastern Visayas	81.78	58.86	60.37	54.48	43.37	60.36	58.59
Zamboanga Peninsula			3.30	4.08	4.04	4.06	4.23
Northern Mindanao	81.78	58.86	58.40	60.96	68.91	56.40	58.54
Davao Region	79.34	58.85	46.85	45.02	47.71	48.79	52.38
SOCCSKSARGEN		58.91	58.80	65.96	62.66	56.51	55.61
CARAGA			13.17	12.57	7.83	14.85	10.79
ARMM			16.20	66.55	67.87	57.86	77.62

TABLE 4.9 TOBACCO: PRODUCTION, AREA AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**81,723**	**63,705**	**49,529**	**48,173**	**50,174**	**52,903**	**48,308**
CAR	1,018	1,010	761	782	793	796	852
Ilocos Region	66,619	48,657	37,409	35,591	36,798	38,736	35,138
Cagayan Valley	6,331	9,319	7,932	7,917	7,859	7,688	9,574
Central Luzon	1,048	633	448	435	449	434	419
CALABARZON	5	-	-	-	-	-	-
MIMAROPA	1,480	1,655	1,196	1,852	2,490	3,534	899
Bicol Region	11	10	9	8	9	9	8
Western Visayas	624	159	164	146	398	346	306
Central Visayas	740	257	207	220	218	194	174
Eastern Visayas	40	22	19	20	20	21	24
Zamboanga Peninsula	55	7	10	13	15	16	18
Northern Mindanao	500	1,639	1,032	850	846	829	626
Davao Region	23	28	27	32	30	28	26
SOCCSKSARGEN	36	33	96	115	65	90	69
CARAGA	18	15	25	27	24	25	23
ARMM	3,175	261	194	166	160	158	152
AREA (ha)							
PHILIPPINES	**63,200**	**56,306**	**44,042**	**40,903**	**40,660**	**41,721**	**33,773**
CAR	1,287	1,951	2,014	2,019	2,019	2,019	2,047
Ilocos Region	47,797	34,823	29,426	29,426	29,426	30,419	22,854
Cagayan Valley	4,665	12,221	7,350	4,350	4,418	4,362	4,785
Central Luzon	900	788	950	950	955	940	940
CALABARZON	8	-	-	-	-	-	-
MIMAROPA	1,612	1,735	1,300	1,300	1,187	1,463	746
Bicol Region	18	17	24	24	12	12	12
Western Visayas	818	231	166	163	249	199	189
Central Visayas	1,166	272	602	567	430	424	377
Eastern Visayas	67	42	73	73	48	50	51
Zamboanga Peninsula	134	27	34	36	47	37	39
Northern Mindanao	1,298	3,562	1,720	1,700	1,600	1,520	1,480
Davao Region	39	52	33	27	28	26	21
SOCCSKSARGEN	57	41	75	68	47	68	51
CARAGA	34	33	40	28	22	22	21
ARMM	3,300	510	235	172	172	160	160
YIELD PER HECTARE (mt)							
PHILIPPINES	**1.29**	**1.13**	**1.12**	**1.18**	**1.23**	**1.27**	**1.43**
CAR	0.79	0.52	0.38	0.39	0.39	0.39	0.42
Ilocos Region	1.39	1.40	1.27	1.21	1.25	1.27	1.54
Cagayan Valley	1.36	0.76	1.08	1.82	1.78	1.76	2.00
Central Luzon	1.16	0.80	0.47	0.46	0.47	0.46	0.45
CALABARZON	0.63						
MIMAROPA	0.92	0.95	0.92	1.42	2.10	2.42	1.21
Bicol Region	0.61	0.58	0.36	0.35	0.74	0.73	0.69
Western Visayas	0.76	0.69	0.99	0.90	1.60	1.74	1.62
Central Visayas	0.63	0.94	0.34	0.39	0.51	0.46	0.46
Eastern Visayas	0.60	0.52	0.26	0.27	0.42	0.41	0.47
Zamboanga Peninsula	0.41	0.26	0.30	0.35	0.33	0.43	0.45
Northern Mindanao	0.39	0.46	0.60	0.50	0.53	0.55	0.42
Davao Region	0.59	0.54	0.81	1.20	1.07	1.08	1.23
SOCCSKSARGEN	0.63	0.81	1.28	1.69	1.38	1.32	1.35
CARAGA	0.53	0.45	0.63	0.97	1.11	1.12	1.11
ARMM	0.96	0.51	0.83	0.96	0.93	0.99	0.95

V. VEGETABLES, ROOT CROPS & TUBERS

Production Distribution of Vegetables, Root Crops and Tubers, Philippines, 2004



Area Distribution of Vegetables, Root Crops and Tubers, Philippines, 2004

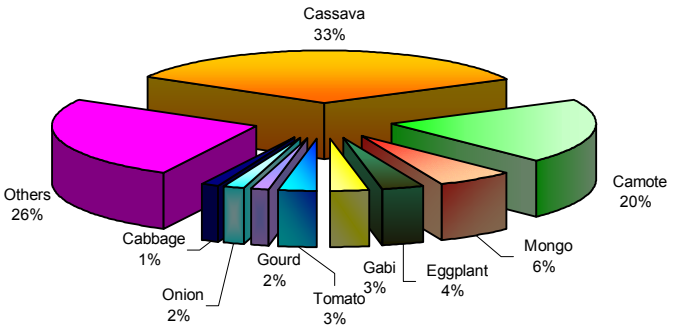


TABLE 5.1 ASPARAGUS: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**1,908**	**10,842**	**6,429**	**8,577**	**12,566**	**15,211**	**22,367**
CAR	60	62	44	41	33	16	10
Ilocos Region	-	-	-	-	-	-	-
Cagayan Valley	-	-	-	-	-	-	-
Central Luzon	45	50	-	-	-	-	-
CALABARZON	-	-	-	-	-	-	-
MIMAROPA	-	-	-	-	-	-	-
Bicol Region	-	-	-	-	-	-	-
Western Visayas	1	219	1	1	1	0	1
Central Visayas	-	-	-	2	2	2	2
Eastern Visayas	-	-	-	-	-	-	-
Zamboanga Peninsula	-	-	-	-	-	-	-
Northern Mindanao	22	-	6	5	4	203	596
Davao Region	-	-	-	-	-	-	-
SOCCSKSARGEN	1,780	10,511	6,379	8,529	12,527	14,989	21,759
CARAGA	-	-	-	-	-	-	-
ARMM	-	-	-	-	-	-	-
AREA (ha)							
PHILIPPINES	**262**	**1,291**	**1,502**	**1,784**	**2,270**	**1,513**	**1,654**
CAR	16	12	9	8	7	2	1
Ilocos Region	-	-	-	-	-	-	-
Cagayan Valley	-	-	-	-	-	-	-
Central Luzon	25	28	-	-	-	-	-
CALABARZON	-	-	-	-	-	-	-
MIMAROPA	-	-	-	-	-	-	-
Bicol Region	-	-	-	-	-	-	-
Western Visayas	1	51	1	1	1	0	0
Central Visayas	-	-	-	5	5	3	3
Eastern Visayas	-	-	-	-	-	-	-
Zamboanga Peninsula	-	-	-	-	-	-	-
Northern Mindanao	20	-	2	2	2	193	200
Davao Region	-	-	-	-	-	-	-
SOCCSKSARGEN	200	1,200	1,490	1,768	2,255	1,315	1,450
CARAGA	-	-	-	-	-	-	-
ARMM	-	-	-	-	-	-	-
YIELD PER HECTARE (mt)							
PHILIPPINES	**7.28**	**8.40**	**4.28**	**4.81**	**5.54**	**10.05**	**13.52**
CAR	3.75	5.19	4.83	5.12	4.68	8.19	9.62
Ilocos Region							
Cagayan Valley							
Central Luzon	1.80	1.78					
CALABARZON							
MIMAROPA							
Bicol Region							
Western Visayas	1.21	4.30	0.60	0.70	0.85	3.19	3.56
Central Visayas				0.37	0.35	0.53	0.54
Eastern Visayas							
Zamboanga Peninsula							
Northern Mindanao	1.08		3.03	2.29	2.01	1.05	2.98
Davao Region							
SOCCSKSARGEN	8.90	8.76	4.28	4.82	5.56	11.40	15.01
CARAGA							
ARMM							

TABLE 5.2 BROCOLLI: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**197**	**2,126**	**1,571**	**1,607**	**1,634**	**1,669**	**1,757**
CAR	197	2,126	1,563	1,599	1,626	1,652	1,683
Ilocos Region	-	-	-	-	-	-	-
Cagayan Valley	-	-	-	-	-	-	-
Central Luzon	-	-	-	-	-	-	-
CALABARZON	-	-	-	-	-	-	-
MIMAROPA	-	-	-	-	-	-	-
Bicol Region	-	-	-	-	-	-	-
Western Visayas	-	-	-	-	-	-	1
Central Visayas	-	-	-	-	-	-	-
Eastern Visayas	-	-	-	-	-	-	-
Zamboanga Peninsula	-	-	-	-	-	-	-
Northern Mindanao	-	-	8	8	8	17	74
Davao Region	-	-	-	-	-	-	-
SOCCSKSARGEN	-	-	-	-	-	-	-
CARAGA	-	-	-	-	-	-	-
ARMM	-	-	-	-	-	-	-
AREA (ha)							
PHILIPPINES	**20**	**167**	**156**	**157**	**158**	**160**	**173**
CAR	20	167	151	152	153	155	156
Ilocos Region	-	-	-	-	-	-	-
Cagayan Valley	-	-	-	-	-	-	-
Central Luzon	-	-	-	-	-	-	-
CALABARZON	-	-	-	-	-	-	-
MIMAROPA	-	-	-	-	-	-	-
Bicol Region	-	-	-	-	-	-	-
Western Visayas	-	-	-	-	-	-	0
Central Visayas	-	-	-	-	-	-	-
Eastern Visayas	-	-	-	-	-	-	-
Zamboanga Peninsula	-	-	-	-	-	-	-
Northern Mindanao	-	-	5	5	5	5	17
Davao Region	-	-	-	-	-	-	-
SOCCSKSARGEN	-	-	-	-	-	-	-
CARAGA	-	-	-	-	-	-	-
ARMM	-	-	-	-	-	-	-
YIELD PER HECTARE (mt)							
PHILIPPINES	**9.86**	**12.73**	**10.07**	**10.23**	**10.34**	**10.43**	**10.15**
CAR	9.86	12.73	10.35	10.52	10.63	10.66	10.79
Ilocos Region							
Cagayan Valley							
Central Luzon							
CALABARZON							
MIMAROPA							
Bicol Region							
Western Visayas							5.00
Central Visayas							
Eastern Visayas							
Zamboanga Peninsula							
Northern Mindanao			1.50	1.51	1.51	3.34	4.35
Davao Region							
SOCCSKSARGEN							
CARAGA							
ARMM							

TABLE 5.3 CABBAGE: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**117,202**	**129,989**	**87,576**	**89,542**	**91,368**	**91,982**	**92,782**
CAR	95,979	105,098	63,580	65,704	66,875	67,583	68,838
Ilocos Region	821	1,882	2,711	2,611	2,540	2,606	2,495
Cagayan Valley	691	852	829	846	889	822	894
Central Luzon	2,720	1,737	-	-	-	-	-
CALABARZON	2,043	3,017	1,999	2,210	2,264	2,275	2,235
MIMAROPA	63	47	25	24	29	30	20
Bicol Region	1,697	2,266	1,038	754	699	576	479
Western Visayas	818	888	434	420	394	384	377
Central Visayas	4,130	5,403	6,050	6,225	6,633	6,490	6,268
Eastern Visayas	252	191	136	137	141	145	150
Zamboanga Peninsula	138	204	308	321	327	309	320
Northern Mindanao	2,072	2,857	2,576	2,545	2,684	2,913	2,817
Davao Region	3,222	3,357	5,485	5,203	5,293	5,332	5,316
SOCCSKSARGEN	1,318	1,068	1,210	1,390	1,460	1,432	1,508
CARAGA	474	369	254	258	269	281	268
ARMM	763	751	941	895	871	803	797
AREA (ha)							
PHILIPPINES	**8,626**	**8,529**	**7,672**	**7,711**	**7,802**	**7,746**	**7,705**
CAR	5,898	5,567	4,158	4,219	4,257	4,291	4,316
Ilocos Region	76	173	577	560	545	492	452
Cagayan Valley	144	205	149	152	159	148	157
Central Luzon	243	140	-	-	-	-	-
CALABARZON	260	316	488	496	509	508	453
MIMAROPA	20	11	9	8	11	15	12
Bicol Region	212	270	130	96	91	76	67
Western Visayas	125	84	70	66	64	61	61
Central Visayas	500	594	649	678	702	697	705
Eastern Visayas	35	27	19	20	21	22	24
Zamboanga Peninsula	50	70	95	103	109	104	95
Northern Mindanao	286	354	350	348	360	357	373
Davao Region	484	472	704	674	674	680	674
SOCCSKSARGEN	160	130	152	172	181	177	199
CARAGA	62	45	40	40	40	42	40
ARMM	71	71	82	79	79	76	76
YIELD PER HECTARE (mt)							
PHILIPPINES	**13.59**	**15.24**	**11.42**	**11.61**	**11.71**	**11.87**	**12.04**
CAR	16.27	18.88	15.29	15.57	15.71	15.75	15.95
Ilocos Region	10.81	10.88	4.70	4.66	4.66	5.30	5.51
Cagayan Valley	4.80	4.16	5.56	5.56	5.59	5.55	5.70
Central Luzon	11.19	12.41					
CALABARZON	7.86	9.55	4.10	4.46	4.45	4.48	4.93
MIMAROPA	3.13	4.31	2.82	2.96	2.63	2.01	1.70
Bicol Region	8.01	8.39	7.99	7.85	7.68	7.58	7.15
Western Visayas	6.54	10.58	6.20	6.36	6.16	6.30	6.18
Central Visayas	8.26	9.10	9.32	9.18	9.45	9.31	8.89
Eastern Visayas	7.20	7.08	7.17	6.83	6.70	6.61	6.14
Zamboanga Peninsula	2.76	2.91	3.24	3.12	3.00	2.98	3.37
Northern Mindanao	7.25	8.07	7.36	7.31	7.45	8.16	7.55
Davao Region	6.66	7.11	7.79	7.72	7.85	7.84	7.89
SOCCSKSARGEN	8.24	8.21	7.96	8.08	8.07	8.08	7.58
CARAGA	7.65	8.20	6.35	6.46	6.73	6.64	6.71
ARMM	10.75	10.58	11.47	11.33	11.02	10.57	10.49

TABLE 5.4 CAMOTE: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**643,797**	**667,946**	**554,003**	**545,409**	**549,392**	**546,971**	**545,147**
CAR	28,024	32,645	20,287	19,291	18,694	18,209	17,952
Ilocos Region	14,118	15,722	14,466	14,298	13,865	14,518	15,374
Cagayan Valley	12,126	15,963	20,727	23,359	23,485	21,818	20,982
Central Luzon	20,651	22,014	30,726	30,328	29,346	30,494	30,684
CALABARZON	31,190	32,048	34,641	36,892	38,696	38,705	38,402
MIMAROPA	12,332	11,865	11,601	11,673	11,842	11,929	12,011
Bicol Region	176,090	180,231	115,137	107,461	107,174	102,661	87,454
Western Visayas	36,240	32,704	28,755	28,218	28,025	28,063	35,952
Central Visayas	57,133	60,095	58,516	54,508	57,043	54,014	56,354
Eastern Visayas	102,586	105,033	102,725	104,361	106,617	109,111	109,691
Zamboanga Peninsula	10,660	11,318	10,127	10,140	9,751	10,151	10,354
Northern Mindanao	25,309	31,251	22,932	22,980	22,999	22,904	23,125
Davao Region	24,782	26,002	18,793	18,201	18,786	19,808	20,030
SOCCSKSARGEN	7,842	8,128	7,121	7,715	8,088	8,377	8,716
CARAGA	80,348	78,569	53,141	51,634	50,731	51,854	51,909
ARMM	4,366	4,358	4,307	4,350	4,251	4,354	6,158
AREA (ha)							
PHILIPPINES	**136,717**	**145,236**	**127,682**	**124,637**	**122,487**	**122,239**	**120,531**
CAR	3,444	4,273	3,645	3,447	3,302	3,243	3,222
Ilocos Region	3,150	3,512	3,083	2,995	3,039	3,075	3,144
Cagayan Valley	3,471	4,104	3,460	3,658	3,359	3,176	3,031
Central Luzon	6,505	5,168	7,583	7,966	8,003	7,941	7,893
CALABARZON	5,584	4,249	4,244	4,242	4,272	4,265	4,215
MIMAROPA	2,576	2,331	2,430	2,418	2,433	2,472	2,490
Bicol Region	29,463	30,016	24,696	22,639	21,412	21,880	20,418
Western Visayas	8,053	6,441	6,103	6,093	6,033	6,015	6,538
Central Visayas	18,824	22,443	16,552	15,563	15,848	15,539	14,856
Eastern Visayas	22,973	26,535	26,949	26,745	26,145	25,737	25,809
Zamboanga Peninsula	3,171	3,412	3,480	3,393	3,095	3,144	3,182
Northern Mindanao	4,020	4,709	2,875	2,771	2,724	2,750	2,779
Davao Region	5,036	5,302	4,262	4,138	4,229	4,259	4,262
SOCCSKSARGEN	1,034	1,391	1,287	1,338	1,441	1,441	1,481
CARAGA	17,761	19,324	14,681	14,719	14,625	14,780	14,690
ARMM	1,652	2,026	2,352	2,512	2,527	2,522	2,521
YIELD PER HECTARE (mt)							
PHILIPPINES	**4.71**	**4.60**	**4.34**	**4.38**	**4.49**	**4.47**	**4.52**
CAR	8.14	7.64	5.57	5.60	5.66	5.61	5.57
Ilocos Region	4.48	4.48	4.69	4.77	4.56	4.72	4.89
Cagayan Valley	3.49	3.89	5.99	6.39	6.99	6.87	6.92
Central Luzon	3.17	4.26	4.05	3.81	3.67	3.84	3.89
CALABARZON	5.59	7.54	8.16	8.70	9.06	9.08	9.11
MIMAROPA	4.79	5.09	4.77	4.83	4.87	4.83	4.82
Bicol Region	5.98	6.00	4.66	4.75	5.01	4.69	4.28
Western Visayas	4.50	5.08	4.71	4.63	4.65	4.67	5.50
Central Visayas	3.04	2.68	3.54	3.50	3.60	3.48	3.79
Eastern Visayas	4.47	3.96	3.81	3.90	4.08	4.24	4.25
Zamboanga Peninsula	3.36	3.32	2.91	2.99	3.15	3.23	3.25
Northern Mindanao	6.30	6.64	7.98	8.29	8.44	8.33	8.32
Davao Region	4.92	4.90	4.41	4.40	4.44	4.65	4.70
SOCCSKSARGEN	7.58	5.84	5.53	5.77	5.61	5.81	5.88
CARAGA	4.52	4.07	3.62	3.51	3.47	3.51	3.53
ARMM	2.64	2.15	1.83	1.73	1.68	1.73	2.44

TABLE 5.5 CARROTS: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**36,985**	**31,953**	**34,600**	**33,793**	**34,512**	**34,666**	**35,784**
CAR	30,261	24,378	27,079	26,475	26,893	27,412	28,043
Ilocos Region	-	-	-	-	-	-	-
Cagayan Valley	105	206	690	732	735	685	693
Central Luzon	-	-	-	1	3	3	3
CALABARZON	15	21	34	37	39	40	37
MIMAROPA	-	-	-	-	-	-	-
Bicol Region	-	-	2	-	-	-	-
Western Visayas	37	46	39	37	40	45	106
Central Visayas	6,120	6,487	4,447	4,156	4,365	4,071	4,191
Eastern Visayas	-	-	6	8	9	9	9
Zamboanga Peninsula	71	132	134	138	140	122	130
Northern Mindanao	83	91	322	327	333	330	574
Davao Region	235	508	1,471	1,488	1,526	1,511	1,455
SOCCSKSARGEN	51	84	376	394	428	423	527
CARAGA	6	-	-	-	2	15	16
ARMM	-	-	-	-	-	-	-
AREA (ha)							
PHILIPPINES	**3,225**	**3,187**	**3,414**	**3,441**	**3,536**	**3,505**	**3,562**
CAR	2,112	1,781	1,723	1,727	1,750	1,769	1,785
Ilocos Region	-	-	-	-	-	-	-
Cagayan Valley	10	18	125	132	138	135	136
Central Luzon	-	-	-	1	2	2	2
CALABARZON	5	7	4	5	6	7	6
MIMAROPA	-	-	-	-	-	-	-
Bicol Region	-	-	1	-	-	-	-
Western Visayas	9	12	15	14	17	18	18
Central Visayas	955	1,093	833	815	861	827	884
Eastern Visayas	-	-	2	3	4	3	3
Zamboanga Peninsula	27	49	75	80	83	77	83
Northern Mindanao	22	25	68	73	77	74	87
Davao Region	53	164	395	410	414	402	390
SOCCSKSARGEN	30	38	173	181	183	188	164
CARAGA	2	-	-	-	1	3	3
ARMM	-	-	-	-	-	-	-
YIELD PER HECTARE (mt)							
PHILIPPINES	**11.47**	**10.03**	**10.13**	**9.82**	**9.76**	**9.89**	**10.05**
CAR	14.33	13.69	15.72	15.33	15.37	15.50	15.71
Ilocos Region							
Cagayan Valley	10.50	11.44	5.52	5.55	5.32	5.08	5.10
Central Luzon				0.50	1.51	1.49	1.54
CALABARZON	3.00	2.93	8.53	7.49	6.56	5.66	6.16
MIMAROPA							
Bicol Region			1.92				
Western Visayas	4.15	3.83	2.60	2.68	2.33	2.49	5.88
Central Visayas	6.41	5.94	5.34	5.10	5.07	4.92	4.74
Eastern Visayas			2.96	2.69	2.14	2.84	2.89
Zamboanga Peninsula	2.64	2.69	1.79	1.73	1.69	1.58	1.56
Northern Mindanao	3.78	3.65	4.74	4.48	4.32	4.49	6.59
Davao Region	4.44	3.10	3.72	3.63	3.69	3.76	3.73
SOCCSKSARGEN	1.70	2.22	2.17	2.18	2.34	2.25	3.21
CARAGA	3.00				2.30	4.58	5.22
ARMM							

TABLE 5.6 CASSAVA: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**1,853,385**	**1,905,903**	**1,765,712**	**1,652,036**	**1,625,739**	**1,622,242**	**1,640,520**
CAR	2,364	1,895	1,923	1,897	1,821	1,804	1,726
Ilocos Region	10,729	12,868	14,303	14,890	14,537	13,734	14,097
Cagayan Valley	1,421	1,832	17,272	19,848	24,297	27,176	28,836
Central Luzon	8,207	7,383	8,674	9,126	9,420	9,601	9,548
CALABARZON	52,989	57,398	58,983	62,032	66,834	67,262	67,411
MIMAROPA	9,830	7,891	8,084	8,199	8,293	8,538	8,610
Bicol Region	263,026	236,227	166,202	152,311	155,892	159,453	137,068
Western Visayas	50,772	45,000	49,762	51,213	51,471	50,448	57,483
Central Visayas	167,460	162,695	95,458	83,718	75,524	78,450	74,298
Eastern Visayas	97,883	90,678	62,173	63,023	64,207	66,133	66,669
Zamboanga Peninsula	23,027	27,122	25,418	23,218	23,640	26,222	26,022
Northern Mindanao	94,247	141,155	88,990	80,192	93,445	104,308	138,215
Davao Region	25,146	19,827	13,812	13,959	13,964	14,073	14,686
SOCCSKSARGEN	19,159	12,731	7,175	8,151	9,225	10,714	11,114
CARAGA	38,178	32,675	39,672	41,348	42,910	44,083	43,925
ARMM	988,947	1,048,527	1,107,810	1,018,909	970,256	940,243	940,811
AREA (ha)							
PHILIPPINES	**213,653**	**225,751**	**210,208**	**208,183**	**207,620**	**209,214**	**205,755**
CAR	276	307	253	263	250	251	249
Ilocos Region	1,806	2,364	1,982	2,028	2,014	1,954	2,056
Cagayan Valley	361	336	2,139	2,284	2,496	2,577	2,627
Central Luzon	1,293	1,142	1,196	1,201	1,219	1,220	1,197
CALABARZON	8,084	8,368	8,787	8,787	8,823	8,853	8,806
MIMAROPA	2,111	2,136	2,171	2,159	2,166	2,218	2,228
Bicol Region	32,113	28,417	27,843	31,227	31,293	32,037	27,174
Western Visayas	9,895	8,661	6,459	6,539	6,577	6,588	6,835
Central Visayas	20,405	21,387	13,632	12,782	11,768	11,824	11,160
Eastern Visayas	26,839	23,727	22,773	22,647	22,940	23,010	23,067
Zamboanga Peninsula	4,717	4,354	5,407	5,407	5,476	6,018	6,193
Northern Mindanao	10,064	14,378	9,113	8,282	9,003	8,988	10,314
Davao Region	3,225	2,873	2,099	2,091	2,178	2,203	2,247
SOCCSKSARGEN	1,940	1,299	879	902	923	998	1,052
CARAGA	9,855	8,810	7,086	7,349	8,198	8,325	8,235
ARMM	80,669	97,192	98,389	94,235	92,296	92,150	92,315
YIELD PER HECTARE (mt)							
PHILIPPINES	**8.67**	**8.44**	**8.40**	**7.94**	**7.83**	**7.75**	**7.97**
CAR	8.57	6.17	7.60	7.21	7.28	7.19	6.93
Ilocos Region	5.94	5.44	7.22	7.34	7.22	7.03	6.86
Cagayan Valley	3.94	5.45	8.07	8.69	9.73	10.55	10.98
Central Luzon	6.35	6.46	7.25	7.60	7.73	7.87	7.98
CALABARZON	6.55	6.86	6.71	7.06	7.57	7.60	7.66
MIMAROPA	4.66	3.69	3.72	3.80	3.83	3.85	3.86
Bicol Region	8.19	8.31	5.97	4.88	4.98	4.98	5.04
Western Visayas	5.13	5.20	7.70	7.83	7.83	7.66	8.41
Central Visayas	8.21	7.61	7.00	6.55	6.42	6.63	6.66
Eastern Visayas	3.65	3.82	2.73	2.78	2.80	2.87	2.89
Zamboanga Peninsula	4.88	6.23	4.70	4.29	4.32	4.36	4.20
Northern Mindanao	9.36	9.82	9.77	9.68	10.38	11.61	13.40
Davao Region	7.80	6.90	6.58	6.68	6.41	6.39	6.54
SOCCSKSARGEN	9.88	9.80	8.16	9.04	9.99	10.74	10.56
CARAGA	3.87	3.71	5.60	5.63	5.23	5.30	5.33
ARMM	12.26	10.79	11.26	10.81	10.51	10.20	10.19

TABLE 5.7 CAULIFLOWER: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**3,282**	**6,302**	**12,180**	**12,298**	**12,284**	**12,324**	**12,007**
CAR	1,917	4,826	4,428	4,494	4,594	4,611	4,667
Ilocos Region	1,232	1,155	7,418	7,397	7,270	7,251	6,656
Cagayan Valley	-	-	45	49	37	37	43
Central Luzon	84	264	70	65	64	62	50
CALABARZON	-	-	-	-	-	-	-
MIMAROPA	-	-	-	-	-	-	-
Bicol Region	-	-	-	-	-	-	-
Western Visayas	1	3	2	2	2	2	2
Central Visayas	2	2	55	56	57	49	52
Eastern Visayas	-	-	-	-	-	-	-
Zamboanga Peninsula	1	2	1	2	2	2	2
Northern Mindanao	-	-	13	17	17	81	115
Davao Region	-	-	83	147	166	152	194
SOCCSKSARGEN	21	25	43	45	50	53	202
CARAGA	-	-	-	-	-	-	-
ARMM	25	25	24	24	25	25	24
AREA (ha)							
PHILIPPINES	**380**	**520**	**961**	**989**	**976**	**985**	**1,044**
CAR	239	356	341	342	344	346	347
Ilocos Region	112	105	550	550	533	534	534
Cagayan Valley	-	-	21	23	18	18	23
Central Luzon	15	43	10	10	10	9	8
CALABARZON	-	-	-	-	-	-	-
MIMAROPA	-	-	-	-	-	-	-
Bicol Region	-	-	-	-	-	-	-
Western Visayas	-	-	-	-	0	0	1
Central Visayas	1	2	9	9	9	8	19
Eastern Visayas	-	-	-	-	-	-	-
Zamboanga Peninsula	1	1	2	2	2	2	2
Northern Mindanao	-	-	7	9	9	15	20
Davao Region	-	-	4	24	25	24	37
SOCCSKSARGEN	7	8	12	15	20	23	47
CARAGA	-	-	-	-	-	-	-
ARMM	5	5	5	5	5	6	7
YIELD PER HECTARE (mt)							
PHILIPPINES	**8.64**	**12.12**	**12.67**	**12.44**	**12.59**	**12.51**	**11.50**
CAR	8.02	13.56	12.98	13.14	13.35	13.33	13.45
Ilocos Region	11.00	11.00	13.49	13.45	13.63	13.58	12.47
Cagayan Valley			2.12	2.15	2.06	2.06	1.88
Central Luzon	5.57	6.14	7.00	6.50	6.40	6.89	6.25
CALABARZON							
MIMAROPA							
Bicol Region							
Western Visayas					5.96	6.17	4.13
Central Visayas	1.67	1.21	6.08	6.22	6.33	6.19	2.73
Eastern Visayas							
Zamboanga Peninsula	1.20	1.59	0.71	0.79	0.87	0.90	0.91
Northern Mindanao			1.85	1.89	1.89	5.39	5.72
Davao Region			20.76	6.13	6.66	6.31	5.26
SOCCSKSARGEN	3.06	3.11	3.54	3.00	2.52	2.34	4.30
CARAGA							
ARMM	5.00	5.00	4.74	4.84	4.96	4.13	3.44

TABLE 5.8 EGGPLANT: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**112,704**	**130,702**	**166,146**	**169,819**	**179,659**	**176,991**	**182,753**
CAR	755	799	808	783	755	744	731
Ilocos Region	32,290	46,957	56,042	60,035	63,378	64,630	68,447
Cagayan Valley	4,813	5,399	22,497	18,201	19,330	14,941	16,900
Central Luzon	17,526	18,774	17,723	18,639	18,823	18,505	18,301
CALABARZON	20,087	19,944	25,921	28,960	32,188	32,074	31,397
MIMAROPA	1,636	2,726	2,584	2,345	2,390	2,440	2,366
Bicol Region	3,329	5,456	5,266	4,977	5,264	5,475	5,646
Western Visayas	12,494	11,259	10,793	10,492	11,097	11,141	11,658
Central Visayas	4,705	6,093	5,768	5,904	5,933	5,949	5,956
Eastern Visayas	2,268	1,903	1,842	1,894	1,952	2,034	2,075
Zamboanga Peninsula	1,558	1,764	1,758	1,717	1,736	1,738	1,680
Northern Mindanao	1,577	2,061	2,728	2,729	2,963	2,996	2,947
Davao Region	5,724	3,506	6,566	6,798	6,976	6,926	6,725
SOCCSKSARGEN	2,135	2,391	3,645	3,994	4,482	4,951	5,397
CARAGA	1,226	1,156	1,592	1,758	1,807	1,865	1,925
ARMM	579	514	616	592	586	582	601
AREA (ha)							
PHILIPPINES	**16,425**	**17,643**	**19,949**	**20,422**	**20,813**	**20,984**	**21,068**
CAR	137	178	151	147	140	139	138
Ilocos Region	4,352	5,050	4,662	4,798	4,877	4,855	4,951
Cagayan Valley	1,085	1,230	1,533	1,613	1,785	1,774	1,864
Central Luzon	2,740	2,330	3,099	3,111	3,094	3,094	2,957
CALABARZON	1,365	1,446	2,026	2,045	2,004	1,972	1,944
MIMAROPA	663	837	899	919	930	944	939
Bicol Region	790	1,267	1,134	1,149	1,169	1,206	1,188
Western Visayas	1,421	1,288	1,361	1,323	1,360	1,360	1,401
Central Visayas	1,460	1,661	1,811	1,918	1,914	1,953	1,962
Eastern Visayas	370	297	305	310	317	320	324
Zamboanga Peninsula	291	354	448	448	462	514	480
Northern Mindanao	472	665	654	647	682	683	698
Davao Region	554	404	829	885	923	951	950
SOCCSKSARGEN	187	188	378	411	444	497	535
CARAGA	324	314	454	490	504	516	532
ARMM	213	134	205	208	208	206	204
YIELD PER HECTARE (mt)							
PHILIPPINES	**6.86**	**7.41**	**8.33**	**8.32**	**8.63**	**8.43**	**8.67**
CAR	5.49	4.49	5.35	5.33	5.39	5.34	5.30
Ilocos Region	7.42	9.30	12.02	12.51	13.00	13.31	13.82
Cagayan Valley	4.44	4.39	14.67	11.28	10.83	8.42	9.07
Central Luzon	6.40	8.06	5.72	5.99	6.08	5.98	6.19
CALABARZON	14.71	13.79	12.79	14.16	16.06	16.26	16.15
MIMAROPA	2.47	3.26	2.87	2.55	2.57	2.58	2.52
Bicol Region	4.21	4.31	4.64	4.33	4.50	4.54	4.75
Western Visayas	8.79	8.74	7.93	7.93	8.16	8.19	8.32
Central Visayas	3.22	3.67	3.18	3.08	3.10	3.05	3.04
Eastern Visayas	6.13	6.41	6.04	6.11	6.16	6.36	6.40
Zamboanga Peninsula	5.36	4.98	3.92	3.83	3.75	3.38	3.50
Northern Mindanao	3.34	3.10	4.17	4.22	4.34	4.39	4.22
Davao Region	10.32	8.68	7.92	7.68	7.56	7.28	7.08
SOCCSKSARGEN	11.42	12.72	9.64	9.72	10.09	9.96	10.09
CARAGA	3.78	3.68	3.51	3.59	3.58	3.62	3.62
ARMM	2.72	3.84	3.00	2.85	2.82	2.83	2.94

TABLE 5.9 GABI: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**107,092**	**104,931**	**95,932**	**96,861**	**101,155**	**100,705**	**102,274**
CAR	1,347	6,019	4,957	5,039	4,988	4,995	4,994
Ilocos Region	1,124	2,155	2,733	2,789	2,822	3,039	3,150
Cagayan Valley	14,738	16,188	11,570	13,068	15,662	14,561	14,865
Central Luzon	4,504	5,894	6,388	5,994	6,173	6,133	6,287
CALABARZON	6,486	5,061	6,395	6,732	6,880	6,889	6,880
MIMAROPA	2,047	1,906	2,821	2,800	2,883	2,891	2,954
Bicol Region	19,221	12,405	13,268	13,010	13,333	13,916	13,652
Western Visayas	2,445	3,035	3,238	3,274	3,278	3,319	3,938
Central Visayas	17,909	13,854	11,068	9,997	10,371	9,838	10,213
Eastern Visayas	18,949	21,569	14,890	15,279	15,632	16,006	16,253
Zamboanga Peninsula	2,067	1,677	1,780	1,642	1,601	1,597	1,565
Northern Mindanao	1,077	1,680	1,830	1,844	1,799	1,847	1,932
Davao Region	2,518	2,473	2,733	2,814	2,827	2,860	2,923
SOCCSKSARGEN	2,757	2,386	3,363	3,442	3,859	3,818	4,007
CARAGA	8,890	7,692	7,891	8,135	8,057	8,009	7,644
ARMM	1,014	937	1,005	1,004	989	989	1,016
AREA (ha)							
PHILIPPINES	**22,252**	**21,424**	**17,999**	**18,072**	**18,332**	**18,202**	**18,081**
CAR	157	540	437	445	446	447	441
Ilocos Region	207	384	397	400	402	427	438
Cagayan Valley	1,961	2,005	1,615	1,671	1,837	1,820	1,824
Central Luzon	641	818	871	909	916	911	924
CALABARZON	952	866	1,000	1,005	1,020	1,022	1,023
MIMAROPA	453	445	636	624	628	619	634
Bicol Region	2,836	1,710	1,694	1,662	1,683	1,671	1,653
Western Visayas	564	564	569	572	583	575	613
Central Visayas	3,373	2,961	2,730	2,612	2,632	2,500	2,318
Eastern Visayas	7,700	7,485	4,332	4,433	4,466	4,493	4,502
Zamboanga Peninsula	474	433	443	407	362	366	363
Northern Mindanao	155	206	219	224	234	234	243
Davao Region	339	341	334	343	340	342	354
SOCCSKSARGEN	204	194	233	237	261	264	272
CARAGA	2,085	2,334	2,334	2,365	2,360	2,348	2,312
ARMM	151	138	155	163	161	163	167
YIELD PER HECTARE (mt)							
PHILIPPINES	**4.81**	**4.90**	**5.33**	**5.36**	**5.52**	**5.53**	**5.66**
CAR	8.58	11.15	11.34	11.32	11.18	11.17	11.32
Ilocos Region	5.43	5.61	6.88	6.97	7.02	7.11	7.19
Cagayan Valley	7.52	8.07	7.16	7.82	8.53	8.00	8.15
Central Luzon	7.03	7.20	7.33	6.59	6.74	6.73	6.80
CALABARZON	6.81	5.84	6.40	6.70	6.75	6.74	6.73
MIMAROPA	4.52	4.28	4.44	4.49	4.59	4.67	4.66
Bicol Region	6.78	7.25	7.83	7.83	7.92	8.33	8.26
Western Visayas	4.34	5.38	5.69	5.72	5.62	5.77	6.42
Central Visayas	5.31	4.68	4.05	3.83	3.94	3.94	4.41
Eastern Visayas	2.46	2.88	3.44	3.45	3.50	3.56	3.61
Zamboanga Peninsula	4.36	3.87	4.02	4.03	4.42	4.36	4.31
Northern Mindanao	6.95	8.16	8.36	8.23	7.69	7.89	7.95
Davao Region	7.43	7.25	8.18	8.20	8.31	8.36	8.26
SOCCSKSARGEN	13.51	12.27	14.43	14.52	14.79	14.46	14.73
CARAGA	4.26	3.30	3.38	3.44	3.41	3.41	3.31
ARMM	6.71	6.79	6.48	6.16	6.14	6.07	6.09

TABLE 5.10 GARLIC: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**17,849**	**17,227**	**13,688**	**15,364**	**16,257**	**15,529**	**14,999**
CAR	5	3	16	19	19	19	20
Ilocos Region	11,116	11,264	8,917	10,726	11,207	10,615	10,154
Cagayan Valley	12	52	185	172	209	183	185
Central Luzon	492	1,960	344	324	299	311	308
CALABARZON	2,510	1,599	1,867	2,056	2,448	2,211	2,093
MIMAROPA	3,251	1,773	1,769	1,854	1,893	2,048	2,128
Bicol Region	354	385	396	25	13	3	3
Western Visayas	24	164	164	159	141	114	85
Central Visayas	84	26	26	25	24	23	19
Eastern Visayas	-	-	4	4	4	4	4
Zamboanga Peninsula	-	-	-	-	-	-	-
Northern Mindanao	-	-	-	-	-	-	-
Davao Region	-	-	-	-	-	-	-
SOCCSKSARGEN	-	-	-	-	-	-	-
CARAGA	-	-	-	-	-	-	-
ARMM	-	-	-	-	-	-	-
AREA (ha)							
PHILIPPINES	**6,406**	**6,299**	**5,269**	**5,707**	**5,637**	**5,459**	**5,312**
CAR	8	5	20	20	20	20	20
Ilocos Region	4,750	4,761	4,022	4,523	4,419	4,261	4,157
Cagayan Valley	8	27	70	70	79	75	74
Central Luzon	165	589	135	130	125	130	140
CALABARZON	572	374	347	377	410	395	346
MIMAROPA	772	389	512	524	529	536	541
Bicol Region	99	102	107	9	5	1	1
Western Visayas	7	45	47	45	41	32	24
Central Visayas	25	7	7	7	7	7	7
Eastern Visayas	-	-	2	2	2	2	2
Zamboanga Peninsula	-	-	-	-	-	-	-
Northern Mindanao	-	-	-	-	-	-	-
Davao Region	-	-	-	-	-	-	-
SOCCSKSARGEN	-	-	-	-	-	-	-
CARAGA	-	-	-	-	-	-	-
ARMM	-	-	-	-	-	-	-
YIELD PER HECTARE (mt)							
PHILIPPINES	**2.79**	**2.73**	**2.60**	**2.69**	**2.88**	**2.84**	**2.82**
CAR	0.68	0.66	0.82	0.95	0.93	0.97	1.00
Ilocos Region	2.34	2.37	2.22	2.37	2.54	2.49	2.44
Cagayan Valley	1.49	1.94	2.64	2.46	2.64	2.43	2.50
Central Luzon	2.98	3.33	2.55	2.49	2.39	2.39	2.20
CALABARZON	4.39	4.28	5.38	5.45	5.97	5.60	6.05
MIMAROPA	4.21	4.56	3.46	3.54	3.58	3.82	3.93
Bicol Region	3.58	3.78	3.70	2.73	2.66	3.08	3.08
Western Visayas	3.43	3.64	3.49	3.54	3.44	3.55	3.54
Central Visayas	3.36	3.74	3.74	3.53	3.42	3.23	2.74
Eastern Visayas			1.83	1.85	1.87	1.88	1.93
Zamboanga Peninsula							
Northern Mindanao							
Davao Region							
SOCCSKSARGEN							
CARAGA							
ARMM							

TABLE 5.11 GINGER: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**21,811**	**22,704**	**22,679**	**23,424**	**23,022**	**22,616**	**24,063**
CAR	716	1,017	1,008	1,070	1,050	1,051	1,056
Ilocos Region	354	544	602	626	617	629	671
Cagayan Valley	4,665	8,089	6,473	6,706	6,368	5,720	5,431
Central Luzon	575	651	787	793	815	843	853
CALABARZON	3,223	2,023	2,850	2,934	2,965	3,071	4,168
MIMAROPA	225	228	225	232	245	250	260
Bicol Region	307	313	257	250	258	260	250
Western Visayas	2,012	1,627	1,090	887	875	913	1,222
Central Visayas	2,542	2,078	1,458	1,551	1,446	1,328	1,300
Eastern Visayas	1,577	1,749	1,828	1,862	1,881	1,936	1,984
Zamboanga Peninsula	357	379	421	455	424	413	509
Northern Mindanao	676	672	2,649	2,820	3,003	3,013	3,065
Davao Region	637	697	1,046	1,111	1,077	1,118	1,139
SOCCSKSARGEN	656	498	704	756	718	715	769
CARAGA	273	270	381	412	430	461	479
ARMM	3,016	1,868	901	959	851	896	906
AREA (ha)							
PHILIPPINES	**3,519**	**3,543**	**3,583**	**3,681**	**3,643**	**3,611**	**3,795**
CAR	96	128	143	153	152	151	152
Ilocos Region	89	119	106	107	101	100	104
Cagayan Valley	842	1,133	899	942	926	885	919
Central Luzon	99	104	149	157	153	147	148
CALABARZON	376	259	330	339	344	355	379
MIMAROPA	64	64	61	66	69	74	77
Bicol Region	101	121	77	75	77	75	73
Western Visayas	298	228	168	145	137	139	177
Central Visayas	633	505	370	377	334	320	350
Eastern Visayas	191	236	238	243	244	244	247
Zamboanga Peninsula	82	74	71	78	75	76	95
Northern Mindanao	160	156	525	526	562	556	580
Davao Region	99	116	201	214	203	210	213
SOCCSKSARGEN	99	78	97	105	106	109	103
CARAGA	51	42	49	52	59	61	63
ARMM	239	180	99	102	101	108	116
YIELD PER HECTARE (mt)							
PHILIPPINES	**6.20**	**6.41**	**6.33**	**6.36**	**6.32**	**6.26**	**6.34**
CAR	7.45	7.95	7.05	6.99	6.91	6.96	6.95
Ilocos Region	3.98	4.57	5.68	5.85	6.11	6.27	6.42
Cagayan Valley	5.54	7.14	7.20	7.12	6.88	6.46	5.91
Central Luzon	5.81	6.26	5.28	5.05	5.33	5.73	5.77
CALABARZON	8.57	7.81	8.64	8.66	8.62	8.65	11.00
MIMAROPA	3.52	3.57	3.69	3.52	3.55	3.38	3.38
Bicol Region	3.04	2.59	3.33	3.34	3.35	3.46	3.43
Western Visayas	6.75	7.14	6.49	6.12	6.39	6.55	6.92
Central Visayas	4.02	4.11	3.94	4.11	4.33	4.14	3.71
Eastern Visayas	8.25	7.41	7.68	7.66	7.71	7.94	8.03
Zamboanga Peninsula	4.35	5.12	5.92	5.83	5.66	5.43	5.36
Northern Mindanao	4.23	4.31	5.05	5.36	5.34	5.42	5.28
Davao Region	6.44	6.01	5.20	5.19	5.30	5.32	5.35
SOCCSKSARGEN	6.62	6.39	7.26	7.20	6.77	6.56	7.51
CARAGA	5.36	6.42	7.78	7.92	7.29	7.55	7.60
ARMM	12.62	10.38	9.11	9.40	8.42	8.30	7.81

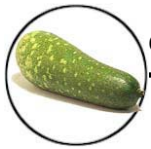


TABLE 5.12 GOURD: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**40,085**	**30,304**	**37,113**	**34,980**	**33,926**	**128,387**	**124,251**
CAR	353	261	318	325	329	1,261	1,218
Ilocos Region	2,088	2,412	3,379	3,443	2,971	11,463	11,467
Cagayan Valley	7,230	4,405	5,707	4,987	5,055	17,583	18,116
Central Luzon	642	1,362	2,273	2,483	2,477	9,509	9,110
CALABARZON	16,594	9,841	14,098	12,538	11,706	44,808	42,424
MIMAROPA	151	146	179	179	185	447	442
Bicol Region	2,106	1,799	698	774	741	3,193	2,869
Western Visayas	1,082	1,052	982	987	996	3,956	2,721
Central Visayas	2,533	1,949	2,339	2,127	2,165	8,205	8,915
Eastern Visayas	1,162	1,119	862	874	899	3,518	3,573
Zamboanga Peninsula	3,974	3,357	3,395	3,294	3,355	12,951	12,802
Northern Mindanao	975	1,154	1,175	1,200	1,232	4,510	3,608
Davao Region	314	584	695	724	752	2,915	2,959
SOCCSKSARGEN	292	229	363	381	384	1,451	1,465
CARAGA	426	429	402	414	433	1,708	1,652
ARMM	164	204	247	248	246	907	912
AREA (ha)							
PHILIPPINES	**3,271**	**2,689**	**3,091**	**2,954**	**3,040**	**10,269**	**9,675**
CAR	63	47	52	55	55	184	183
Ilocos Region	251	265	333	345	335	668	659
Cagayan Valley	1,032	575	856	705	725	973	1,016
Central Luzon	212	239	345	357	365	866	630
CALABARZON	605	431	446	435	450	4,186	4,050
MIMAROPA	68	57	66	64	66	67	67
Bicol Region	166	146	54	60	59	155	147
Western Visayas	162	148	129	128	132	231	244
Central Visayas	113	98	97	90	90	679	553
Eastern Visayas	107	136	129	134	136	287	289
Zamboanga Peninsula	267	288	264	255	258	865	827
Northern Mindanao	75	95	109	108	137	513	423
Davao Region	41	58	70	74	78	304	311
SOCCSKSARGEN	37	34	51	54	61	144	118
CARAGA	39	37	39	39	40	81	83
ARMM	33	35	51	51	53	66	75
YIELD PER HECTARE (mt)							
PHILIPPINES	**12.25**	**11.27**	**12.01**	**11.84**	**11.16**	**12.50**	**12.84**
CAR	5.60	5.54	6.12	5.92	5.99	6.85	6.65
Ilocos Region	8.32	9.10	10.15	9.98	8.87	17.16	17.40
Cagayan Valley	7.01	7.66	6.67	7.07	6.97	18.07	17.83
Central Luzon	3.03	5.69	6.59	6.96	6.79	10.98	14.46
CALABARZON	27.43	22.83	31.61	28.82	26.01	10.70	10.48
MIMAROPA	2.22	2.57	2.72	2.80	2.81	6.67	6.60
Bicol Region	12.69	12.32	12.92	12.90	12.56	20.60	19.52
Western Visayas	6.68	7.13	7.61	7.71	7.54	17.13	11.14
Central Visayas	22.42	19.89	24.12	23.64	24.06	12.08	16.12
Eastern Visayas	10.86	8.23	6.68	6.52	6.61	12.26	12.36
Zamboanga Peninsula	14.89	11.66	12.86	12.92	12.98	14.97	15.49
Northern Mindanao	13.00	12.15	10.78	11.11	8.99	8.79	8.53
Davao Region	7.65	10.04	9.93	9.79	9.65	9.59	9.51
SOCCSKSARGEN	7.90	6.72	7.11	7.06	6.29	10.08	12.41
CARAGA	10.91	11.59	10.31	10.60	10.82	21.09	19.90
ARMM	4.96	5.80	4.85	4.87	4.65	13.75	12.16

TABLE 5.13 HABITCHUELAS: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**9,490**	**11,289**	**11,757**	**11,603**	**11,847**	**11,549**	**11,856**
CAR	7,071	6,737	6,585	6,549	6,642	6,650	6,525
Ilocos Region	332	302	307	295	292	298	309
Cagayan Valley	736	2,979	3,014	2,816	2,890	2,523	2,733
Central Luzon	27	92	49	46	44	46	43
CALABARZON	81	77	86	98	101	102	121
MIMAROPA	-	-	-	-	-	1	1
Bicol Region	530	488	634	680	693	714	720
Western Visayas	31	52	53	54	60	61	90
Central Visayas	108	138	121	126	143	136	137
Eastern Visayas	3	5	442	455	474	497	498
Zamboanga Peninsula	26	29	44	47	54	52	51
Northern Mindanao	206	125	154	160	169	171	211
Davao Region	152	137	109	113	121	127	128
SOCCSKSARGEN	171	112	121	125	124	129	245
CARAGA	-	-	26	28	28	28	29
ARMM	17	14	11	11	13	13	13
AREA (ha)							
PHILIPPINES	**2,258**	**3,031**	**3,060**	**3,009**	**3,078**	**3,098**	**3,163**
CAR	1,141	1,310	1,066	1,057	1,051	1,072	1,069
Ilocos Region	144	175	185	174	169	176	176
Cagayan Valley	411	961	925	859	884	851	872
Central Luzon	20	47	28	28	26	26	24
CALABARZON	61	57	54	61	69	72	81
MIMAROPA	-	-	-	-	-	1	1
Bicol Region	108	113	200	205	218	220	213
Western Visayas	10	19	20	20	22	22	23
Central Visayas	112	127	160	166	174	185	196
Eastern Visayas	3	5	148	150	154	156	157
Zamboanga Peninsula	32	29	53	58	65	61	75
Northern Mindanao	52	36	53	55	63	60	70
Davao Region	126	120	104	109	116	122	121
SOCCSKSARGEN	29	25	36	38	38	45	56
CARAGA	-	-	23	24	24	24	24
ARMM	9	7	5	5	5	5	6
YIELD PER HECTARE (mt)							
PHILIPPINES	**4.20**	**3.72**	**3.84**	**3.86**	**3.85**	**3.73**	**3.75**
CAR	6.20	5.14	6.18	6.20	6.32	6.20	6.10
Ilocos Region	2.31	1.73	1.66	1.70	1.73	1.70	1.76
Cagayan Valley	1.79	3.10	3.26	3.28	3.27	2.96	3.13
Central Luzon	1.37	1.96	1.76	1.63	1.71	1.76	1.80
CALABARZON	1.33	1.35	1.60	1.61	1.46	1.42	1.50
MIMAROPA						1.23	1.24
Bicol Region	4.91	4.32	3.17	3.32	3.18	3.25	3.39
Western Visayas	3.12	2.74	2.66	2.69	2.72	2.76	3.92
Central Visayas	0.96	1.08	0.75	0.76	0.82	0.73	0.70
Eastern Visayas	1.00	1.06	2.99	3.03	3.08	3.19	3.17
Zamboanga Peninsula	0.80	1.02	0.82	0.82	0.83	0.85	0.69
Northern Mindanao	3.96	3.47	2.91	2.90	2.69	2.86	3.01
Davao Region	1.21	1.14	1.05	1.04	1.04	1.04	1.06
SOCCSKSARGEN	5.88	4.50	3.36	3.29	3.25	2.86	4.42
CARAGA			1.14	1.16	1.17	1.18	1.21
ARMM	1.89	2.05	2.18	2.17	2.58	2.63	2.13

TABLE 5.14 LETTUCE: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**1,514**	**1,775**	**1,421**	**1,475**	**1,495**	**1,579**	**1,721**
CAR	1,352	1,470	1,246	1,294	1,314	1,315	1,321
Ilocos Region	-	-	-	-	-	-	-
Cagayan Valley	13	23	9	13	11	10	12
Central Luzon	-	-	-	-	-	-	-
CALABARZON	-	56	56	56	57	57	56
MIMAROPA	2	2	2	2	-	-	-
Bicol Region	-	-	-	-	-	-	-
Western Visayas	5	6	5	4	4	4	9
Central Visayas	21	22	12	13	16	21	43
Eastern Visayas	0	0	0	0	1	1	1
Zamboanga Peninsula	16	17	16	15	15	15	16
Northern Mindanao	96	170	65	64	64	143	196
Davao Region	3	3	3	4	4	4	4
SOCCSKSARGEN	6	6	8	8	8	8	64
CARAGA	-	-	-	-	-	-	-
ARMM	-	-	-	-	-	-	-
AREA (ha)							
PHILIPPINES	**218**	**254**	**207**	**211**	**210**	**217**	**252**
CAR	158	175	152	155	156	154	152
Ilocos Region	-	-	-	-	-	-	-
Cagayan Valley	12	13	8	8	9	7	8
Central Luzon	-	-	-	-	-	-	-
CALABARZON	-	6	10	10	10	10	10
MIMAROPA	5	5	5	5	-	-	-
Bicol Region	-	-	-	-	-	-	-
Western Visayas	2	2	2	2	2	2	2
Central Visayas	12	12	6	7	8	11	27
Eastern Visayas	-	-	-	-	0	0	0
Zamboanga Peninsula	3	4	6	7	6	6	5
Northern Mindanao	21	32	12	11	11	19	25
Davao Region	3	3	3	3	4	4	4
SOCCSKSARGEN	2	2	3	3	3	3	18
CARAGA	-	-	-	-	-	-	-
ARMM	-	-	-	-	-	-	-
YIELD PER HECTARE (mt)							
PHILIPPINES	**6.95**	**6.99**	**6.87**	**6.99**	**7.12**	**7.28**	**6.83**
CAR	8.55	8.40	8.20	8.35	8.42	8.54	8.69
Ilocos Region							
Cagayan Valley	1.08	1.77	1.08	1.66	1.27	1.49	1.45
Central Luzon							
CALABARZON		9.29	5.58	5.56	5.75	5.72	5.54
MIMAROPA	0.36	0.32	0.32	0.32			
Bicol Region							
Western Visayas	2.62	2.77	2.25	2.18	2.14	2.10	4.40
Central Visayas	1.75	1.83	2.02	1.85	1.95	1.90	1.61
Eastern Visayas					1.28	1.33	1.38
Zamboanga Peninsula	5.37	4.34	2.61	2.17	2.47	2.50	3.28
Northern Mindanao	4.57	5.31	5.39	5.86	5.85	7.52	7.84
Davao Region	1.05	1.14	1.15	1.39	0.95	0.93	0.92
SOCCSKSARGEN	3.00	2.76	2.73	2.79	2.69	2.77	3.55
CARAGA							
ARMM							

TABLE 5.15 MONGO: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**26,655**	**26,651**	**27,465**	**27,757**	**27,351**	**25,985**	**26,472**
CAR	74	76	119	122	123	125	120
Ilocos Region	11,435	8,996	11,788	11,508	11,027	10,618	11,115
Cagayan Valley	1,478	2,216	2,772	3,335	3,585	2,964	2,962
Central Luzon	2,710	3,868	2,193	2,086	1,979	1,958	2,047
CALABARZON	934	684	724	776	811	762	712
MIMAROPA	832	600	429	433	445	513	505
Bicol Region	198	196	144	137	142	149	145
Western Visayas	3,236	2,693	1,727	1,700	1,575	1,490	1,904
Central Visayas	849	1,073	1,007	980	978	918	816
Eastern Visayas	173	237	230	238	253	261	264
Zamboanga Peninsula	259	269	266	262	280	273	288
Northern Mindanao	268	217	289	271	298	293	315
Davao Region	887	1,157	1,041	1,060	1,084	1,109	1,125
SOCCSKSARGEN	422	559	523	582	594	603	569
CARAGA	197	152	124	131	137	142	142
ARMM	2,705	3,659	4,092	4,137	4,040	3,805	3,442
AREA (ha)							
PHILIPPINES	**36,593**	**34,781**	**39,661**	**37,127**	**36,510**	**35,618**	**36,300**
CAR	141	144	156	161	159	159	152
Ilocos Region	11,583	9,634	11,658	11,388	11,050	11,247	11,437
Cagayan Valley	2,563	3,112	8,874	6,656	6,476	5,526	4,954
Central Luzon	3,995	4,880	3,284	3,125	3,104	3,100	3,090
CALABARZON	1,468	1,025	913	907	944	889	834
MIMAROPA	1,141	790	741	745	755	770	769
Bicol Region	392	390	251	241	245	258	253
Western Visayas	6,174	4,396	3,744	3,682	3,443	3,377	3,626
Central Visayas	1,764	2,089	2,001	2,016	2,079	2,026	2,091
Eastern Visayas	336	433	418	420	424	427	429
Zamboanga Peninsula	527	545	499	471	452	440	434
Northern Mindanao	766	505	395	381	463	448	481
Davao Region	1,236	1,606	1,341	1,360	1,368	1,409	1,457
SOCCSKSARGEN	694	902	717	727	736	731	693
CARAGA	736	562	245	250	262	269	271
ARMM	3,077	3,768	4,424	4,597	4,549	4,543	5,329
YIELD PER HECTARE (mt)							
PHILIPPINES	**0.73**	**0.77**	**0.69**	**0.75**	**0.75**	**0.73**	**0.73**
CAR	0.52	0.53	0.76	0.76	0.77	0.79	0.79
Ilocos Region	0.99	0.93	1.01	1.01	1.00	0.94	0.97
Cagayan Valley	0.58	0.71	0.31	0.50	0.55	0.54	0.60
Central Luzon	0.68	0.79	0.67	0.67	0.64	0.63	0.66
CALABARZON	0.64	0.67	0.79	0.86	0.86	0.86	0.85
MIMAROPA	0.73	0.76	0.58	0.58	0.59	0.67	0.66
Bicol Region	0.50	0.50	0.57	0.57	0.58	0.58	0.58
Western Visayas	0.52	0.61	0.46	0.46	0.46	0.44	0.53
Central Visayas	0.48	0.51	0.50	0.49	0.47	0.45	0.39
Eastern Visayas	0.51	0.55	0.55	0.57	0.60	0.61	0.62
Zamboanga Peninsula	0.49	0.49	0.53	0.56	0.62	0.62	0.66
Northern Mindanao	0.35	0.43	0.73	0.71	0.64	0.66	0.66
Davao Region	0.72	0.72	0.78	0.78	0.79	0.79	0.77
SOCCSKSARGEN	0.61	0.62	0.73	0.80	0.81	0.83	0.82
CARAGA	0.27	0.27	0.51	0.52	0.52	0.53	0.52
ARMM	0.88	0.97	0.92	0.90	0.89	0.84	0.65

TABLE 5.16 OKRA: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**23,913**	**28,886**	**25,452**	**25,160**	**25,254**	**22,992**	**24,913**
CAR	29	36	26	27	28	28	28
Ilocos Region	927	1,426	1,118	1,173	1,209	1,180	1,214
Cagayan Valley	11,298	10,665	8,660	8,121	8,006	5,620	5,930
Central Luzon	5,901	10,443	8,596	8,494	8,489	8,378	8,800
CALABARZON	651	652	802	832	856	981	1,686
MIMAROPA	107	102	95	108	113	116	119
Bicol Region	1,430	1,200	1,031	1,123	1,063	1,132	1,179
Western Visayas	477	506	466	460	486	514	677
Central Visayas	885	1,394	1,290	1,348	1,363	1,372	1,470
Eastern Visayas	736	980	739	773	801	829	868
Zamboanga Peninsula	188	221	254	249	275	306	327
Northern Mindanao	200	183	1,288	1,316	1,370	1,302	1,267
Davao Region	196	226	268	285	308	325	334
SOCCSKSARGEN	271	168	277	299	304	311	397
CARAGA	599	670	517	528	558	570	585
ARMM	20	16	25	24	27	29	30
AREA (ha)							
PHILIPPINES	**2,368**	**2,861**	**2,907**	**2,972**	**3,024**	**3,018**	**3,109**
CAR	13	15	14	16	15	15	18
Ilocos Region	104	151	135	139	147	144	146
Cagayan Valley	576	755	715	704	706	672	673
Central Luzon	560	676	643	666	659	645	641
CALABARZON	115	129	108	114	117	150	163
MIMAROPA	101	84	57	59	66	68	71
Bicol Region	237	214	110	118	119	123	116
Western Visayas	121	151	144	140	150	158	194
Central Visayas	101	150	160	166	163	157	172
Eastern Visayas	109	127	128	132	134	136	139
Zamboanga Peninsula	54	67	72	80	88	98	105
Northern Mindanao	53	68	337	337	345	323	321
Davao Region	57	67	102	111	115	121	134
SOCCSKSARGEN	42	40	63	70	74	79	86
CARAGA	118	161	107	108	111	113	114
ARMM	7	6	12	12	14	15	17
YIELD PER HECTARE (mt)							
PHILIPPINES	**10.10**	**10.10**	**8.76**	**8.47**	**8.35**	**7.62**	**8.01**
CAR	2.20	2.37	1.83	1.70	1.83	1.85	1.54
Ilocos Region	8.91	9.45	8.28	8.44	8.22	8.17	8.34
Cagayan Valley	19.61	14.13	12.11	11.54	11.34	8.36	8.81
Central Luzon	10.54	15.45	13.37	12.75	12.88	12.99	13.73
CALABARZON	5.66	5.06	7.43	7.30	7.31	6.54	10.34
MIMAROPA	1.06	1.22	1.67	1.83	1.71	1.70	1.68
Bicol Region	6.03	5.61	9.38	9.52	8.93	9.17	10.17
Western Visayas	3.94	3.35	3.24	3.28	3.24	3.25	3.48
Central Visayas	8.76	9.29	8.06	8.12	8.36	8.74	8.56
Eastern Visayas	6.75	7.71	5.78	5.85	5.97	6.10	6.27
Zamboanga Peninsula	3.48	3.30	3.52	3.11	3.11	3.11	3.10
Northern Mindanao	3.78	2.69	3.82	3.90	3.97	4.03	3.95
Davao Region	3.43	3.37	2.63	2.57	2.68	2.69	2.50
SOCCSKSARGEN	6.45	4.20	4.39	4.27	4.10	3.93	4.65
CARAGA	5.07	4.16	4.84	4.88	5.02	5.05	5.13
ARMM	2.79	2.70	2.06	2.03	1.96	1.93	1.73

TABLE 5.17 ONION: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**61,470**	**88,427**	**84,216**	**82,606**	**96,358**	**93,842**	**86,741**
CAR	5	-	-	-	-	-	-
Ilocos Region	25,928	29,970	36,679	37,727	38,321	38,471	41,480
Cagayan Valley	1,425	407	1,254	1,174	1,813	1,266	1,643
Central Luzon	33,399	57,469	45,140	42,870	55,400	53,365	42,850
CALABARZON	137	112	228	244	257	252	253
MIMAROPA	176	86	101	97	101	108	228
Bicol Region	4	33	19	-	-	-	-
Western Visayas	59	71	80	82	97	77	87
Central Visayas	45	104	132	66	59	54	38
Eastern Visayas	-	-	18	18	-	-	-
Zamboanga Peninsula	36	60	158	137	118	72	17
Northern Mindanao	25	50	327	108	113	110	71
Davao Region	23	-	-	-	-	-	-
SOCCSKSARGEN	208	64	78	82	80	68	74
CARAGA	-	-	-	-	-	-	-
ARMM	-	-	-	-	-	-	-
AREA (ha)							
PHILIPPINES	**6,422**	**8,693**	**9,579**	**10,094**	**10,035**	**9,516**	**9,513**
CAR	5	-	-	-	-	-	-
Ilocos Region	2,615	3,345	4,819	4,721	4,784	4,731	4,870
Cagayan Valley	252	82	220	198	246	199	213
Central Luzon	3,279	5,070	4,188	4,929	4,779	4,383	4,206
CALABARZON	45	29	36	44	46	46	45
MIMAROPA	108	56	53	51	52	53	98
Bicol Region	1	10	11	-	-	-	-
Western Visayas	15	23	27	25	29	23	24
Central Visayas	28	42	30	11	6	6	5
Eastern Visayas	-	-	14	14	-	-	-
Zamboanga Peninsula	16	15	97	71	55	38	16
Northern Mindanao	4	9	72	15	21	22	16
Davao Region	22	-	-	-	-	-	-
SOCCSKSARGEN	32	12	12	15	17	16	19
CARAGA	-	-	-	-	-	-	-
ARMM	-	-	-	-	-	-	-
YIELD PER HECTARE (mt)							
PHILIPPINES	**9.57**	**10.17**	**8.79**	**8.18**	**9.60**	**9.86**	**9.12**
CAR	1.02						
Ilocos Region	9.91	8.96	7.61	7.99	8.01	8.13	8.52
Cagayan Valley	5.66	4.96	5.70	5.93	7.37	6.36	7.71
Central Luzon	10.19	11.34	10.78	8.70	11.59	12.18	10.19
CALABARZON	3.03	3.85	6.34	5.54	5.59	5.47	5.62
MIMAROPA	1.63	1.54	1.91	1.91	1.94	2.04	2.33
Bicol Region	4.38	3.34	1.74				
Western Visayas	3.92	3.08	2.96	3.26	3.35	3.34	3.61
Central Visayas	1.60	2.47	4.41	6.00	9.76	8.99	7.12
Eastern Visayas			1.31	1.29			
Zamboanga Peninsula	2.25	3.98	1.63	1.92	2.15	1.92	1.05
Northern Mindanao	6.25	5.60	4.54	7.22	5.39	5.02	4.45
Davao Region	1.05						
SOCCSKSARGEN	6.51	5.37	6.54	5.48	4.68	4.27	3.91
CARAGA							
ARMM							

TABLE 5.18 PEANUT: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**34,875**	**36,200**	**26,827**	**26,151**	**26,246**	**26,125**	**27,087**
CAR	115	88	132	150	155	158	162
Ilocos Region	11,744	10,385	10,577	10,752	10,650	10,465	11,166
Cagayan Valley	12,787	15,399	3,958	3,474	3,401	3,319	3,370
Central Luzon	1,953	1,840	2,140	1,920	1,897	1,923	1,886
CALABARZON	688	531	591	624	632	641	689
MIMAROPA	980	688	777	798	818	810	887
Bicol Region	808	1,216	1,009	840	887	887	894
Western Visayas	1,243	1,308	1,070	1,033	1,045	1,004	1,111
Central Visayas	982	1,261	1,482	1,512	1,588	1,685	1,663
Eastern Visayas	543	419	442	451	462	455	461
Zamboanga Peninsula	489	422	414	435	454	481	505
Northern Mindanao	1,111	1,088	2,048	2,056	2,121	2,095	2,096
Davao Region	409	451	511	533	548	570	601
SOCCSKSARGEN	213	134	715	615	662	642	605
CARAGA	220	233	265	278	283	300	303
ARMM	588	734	698	679	644	691	690
AREA (ha)							
PHILIPPINES	**44,489**	**47,555**	**26,866**	**26,668**	**27,057**	**26,709**	**26,896**
CAR	301	259	268	252	282	282	280
Ilocos Region	10,317	8,998	7,152	7,203	7,423	7,396	7,713
Cagayan Valley	18,432	22,916	3,941	3,706	3,674	3,433	3,242
Central Luzon	1,868	1,705	1,500	1,422	1,432	1,432	1,413
CALABARZON	1,488	1,221	1,079	1,087	1,109	1,148	1,177
MIMAROPA	1,241	926	1,140	1,144	1,158	1,161	1,166
Bicol Region	1,147	1,485	1,409	1,402	1,443	1,446	1,393
Western Visayas	2,643	2,739	2,325	2,309	2,257	2,126	2,211
Central Visayas	1,453	1,663	1,651	1,664	1,747	1,834	1,911
Eastern Visayas	981	892	860	861	866	860	860
Zamboanga Peninsula	1,311	1,178	1,116	1,129	1,066	1,031	1,016
Northern Mindanao	1,185	1,291	1,798	1,793	1,829	1,785	1,788
Davao Region	634	690	698	723	727	735	745
SOCCSKSARGEN	271	175	559	523	555	538	497
CARAGA	427	470	362	378	386	398	402
ARMM	790	947	1,008	1,072	1,103	1,105	1,081
YIELD PER HECTARE (mt)							
PHILIPPINES	**0.78**	**0.76**	**1.00**	**0.98**	**0.97**	**0.98**	**1.01**
CAR	0.38	0.34	0.49	0.60	0.55	0.56	0.58
Ilocos Region	1.14	1.15	1.48	1.49	1.43	1.42	1.45
Cagayan Valley	0.69	0.67	1.00	0.94	0.93	0.97	1.04
Central Luzon	1.05	1.08	1.43	1.35	1.32	1.34	1.33
CALABARZON	0.46	0.43	0.55	0.57	0.57	0.56	0.59
MIMAROPA	0.79	0.74	0.68	0.70	0.71	0.70	0.76
Bicol Region	0.70	0.82	0.72	0.60	0.61	0.61	0.64
Western Visayas	0.47	0.48	0.46	0.45	0.46	0.47	0.50
Central Visayas	0.68	0.76	0.90	0.91	0.91	0.92	0.87
Eastern Visayas	0.55	0.47	0.51	0.52	0.53	0.53	0.54
Zamboanga Peninsula	0.37	0.36	0.37	0.39	0.43	0.47	0.50
Northern Mindanao	0.94	0.84	1.14	1.15	1.16	1.17	1.17
Davao Region	0.65	0.65	0.73	0.74	0.75	0.78	0.81
SOCCSKSARGEN	0.79	0.77	1.28	1.18	1.19	1.19	1.22
CARAGA	0.52	0.50	0.73	0.73	0.73	0.75	0.75
ARMM	0.74	0.77	0.69	0.63	0.58	0.63	0.64

TABLE 5.19 PECHAY-CHINESE: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**26,129**	**38,344**	**34,220**	**35,307**	**34,885**	**34,894**	**35,432**
CAR	25,224	37,378	33,002	33,998	33,535	33,628	33,831
Ilocos Region	-	-	-	-	-	-	-
Cagayan Valley	-	-	-	-	77	91	63
Central Luzon	-	-	-	-	-	-	-
CALABARZON	-	-	2	4	4	7	11
MIMAROPA	-	-	-	-	-	-	-
Bicol Region	-	-	-	-	-	-	-
Western Visayas	-	-	-	-	-	-	-
Central Visayas	682	747	780	871	822	716	698
Eastern Visayas	-	-	-	-	-	-	-
Zamboanga Peninsula	-	-	36	33	34	37	94
Northern Mindanao	-	-	34	52	54	46	202
Davao Region	223	219	234	222	229	239	237
SOCCSKSARGEN	-	-	133	128	130	131	296
CARAGA	-	-	-	-	-	-	-
ARMM	-	-	-	-	-	-	-
AREA (ha)							
PHILIPPINES	**2,278**	**2,865**	**2,986**	**3,031**	**3,003**	**2,998**	**3,034**
CAR	2,146	2,720	2,743	2,775	2,733	2,727	2,728
Ilocos Region	-	-	-	-	-	-	-
Cagayan Valley	-	-	-	-	16	18	15
Central Luzon	-	-	-	-	-	-	-
CALABARZON	-	-	-	-	0	1	2
MIMAROPA	-	-	-	-	-	-	-
Bicol Region	-	-	-	-	-	-	-
Western Visayas	-	-	-	-	-	-	-
Central Visayas	96	109	119	129	124	124	125
Eastern Visayas	-	-	-	-	-	-	-
Zamboanga Peninsula	-	-	3	3	3	3	8
Northern Mindanao	-	-	45	48	49	47	57
Davao Region	36	36	46	49	50	51	49
SOCCSKSARGEN	-	-	30	27	28	27	50
CARAGA	-	-	-	-	-	-	-
ARMM	-	-	-	-	-	-	-
YIELD PER HECTARE (mt)							
PHILIPPINES	**11.47**	**13.38**	**11.46**	**11.65**	**11.62**	**11.64**	**11.68**
CAR	11.75	13.74	12.03	12.25	12.27	12.33	12.40
Ilocos Region							
Cagayan Valley					4.80	5.04	4.20
Central Luzon							
CALABARZON					10.25	5.45	5.38
MIMAROPA							
Bicol Region							
Western Visayas							
Central Visayas	7.10	6.85	6.56	6.75	6.63	5.77	5.58
Eastern Visayas							
Zamboanga Peninsula			12.02	10.89	11.41	12.41	11.79
Northern Mindanao			0.75	1.08	1.11	0.98	3.54
Davao Region	6.20	6.09	5.08	4.53	4.57	4.68	4.84
SOCCSKSARGEN			4.43	4.73	4.65	4.84	5.92
CARAGA							
ARMM							

TABLE 5.20 PECHAY-NATIVE: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**29,304**	**28,012**	**37,365**	**37,400**	**39,684**	**41,288**	**41,339**
CAR	4,852	6,183	4,457	4,214	4,216	4,270	4,305
Ilocos Region	642	813	1,325	1,362	1,423	1,454	1,519
Cagayan Valley	3,530	3,961	4,673	4,943	5,017	4,786	5,044
Central Luzon	1,027	2,298	2,073	1,989	1,990	1,962	1,709
CALABARZON	4,711	4,524	5,798	5,985	6,370	7,046	6,964
MIMAROPA	313	333	312	317	332	344	347
Bicol Region	4,712	3,786	11,161	10,799	12,250	13,233	13,086
Western Visayas	1,570	1,447	1,340	1,307	1,344	1,330	1,524
Central Visayas	2,506	1,063	1,280	1,313	1,327	1,291	1,146
Eastern Visayas	2,494	825	818	840	875	907	927
Zamboanga Peninsula	585	746	1,150	1,190	1,222	1,276	1,269
Northern Mindanao	1,056	959	1,035	992	1,007	1,004	1,005
Davao Region	437	402	963	1,103	1,181	1,199	1,207
SOCCSKSARGEN	306	188	260	331	398	407	481
CARAGA	237	223	333	358	369	397	419
ARMM	326	263	387	356	364	383	386
AREA (ha)							
PHILIPPINES	**5,333**	**4,729**	**6,708**	**6,712**	**6,854**	**7,158**	**6,893**
CAR	681	727	588	567	563	564	562
Ilocos Region	199	246	428	441	441	433	443
Cagayan Valley	598	544	683	733	772	798	830
Central Luzon	255	329	324	313	303	288	269
CALABARZON	666	695	799	821	865	871	860
MIMAROPA	140	138	148	151	156	159	160
Bicol Region	1,202	853	2,431	2,321	2,341	2,630	2,316
Western Visayas	273	236	223	223	229	228	234
Central Visayas	367	201	207	216	219	211	202
Eastern Visayas	292	154	148	150	154	155	158
Zamboanga Peninsula	170	153	199	212	215	218	225
Northern Mindanao	226	216	163	152	155	152	150
Davao Region	57	55	115	142	155	157	166
SOCCSKSARGEN	64	48	67	88	105	109	124
CARAGA	65	64	87	89	92	98	102
ARMM	78	71	98	93	89	88	92
YIELD PER HECTARE (mt)							
PHILIPPINES	**5.49**	**5.92**	**5.57**	**5.57**	**5.79**	**5.77**	**6.00**
CAR	7.12	8.50	7.58	7.43	7.49	7.58	7.66
Ilocos Region	3.23	3.30	3.10	3.09	3.23	3.36	3.43
Cagayan Valley	5.90	7.28	6.84	6.74	6.50	6.00	6.08
Central Luzon	4.03	6.99	6.40	6.36	6.57	6.81	6.35
CALABARZON	7.07	6.51	7.26	7.29	7.36	8.09	8.10
MIMAROPA	2.23	2.41	2.11	2.10	2.13	2.16	2.17
Bicol Region	3.92	4.44	4.59	4.65	5.23	5.03	5.65
Western Visayas	5.75	6.14	6.01	5.86	5.87	5.83	6.51
Central Visayas	6.83	5.29	6.19	6.08	6.06	6.12	5.67
Eastern Visayas	8.54	5.36	5.53	5.60	5.68	5.85	5.86
Zamboanga Peninsula	3.44	4.88	5.78	5.61	5.69	5.86	5.64
Northern Mindanao	4.67	4.44	6.35	6.53	6.49	6.61	6.70
Davao Region	7.67	7.32	8.37	7.77	7.62	7.64	7.27
SOCCSKSARGEN	4.78	3.88	3.89	3.76	3.79	3.73	3.88
CARAGA	3.65	3.51	3.83	4.02	4.01	4.06	4.11
ARMM	4.18	3.72	3.96	3.83	4.09	4.35	4.19

TABLE 5.21 TOMATO: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**183,962**	**155,823**	**148,101**	**146,031**	**149,259**	**150,055**	**172,344**
CAR	4,049	4,777	3,592	3,665	3,692	3,691	3,657
Ilocos Region	65,906	45,787	49,264	49,598	50,153	52,916	58,079
Cagayan Valley	3,997	5,774	8,940	8,060	7,716	6,890	7,121
Central Luzon	24,618	20,392	15,614	15,708	17,159	17,320	19,140
CALABARZON	21,399	14,885	16,480	16,891	18,283	18,444	18,531
MIMAROPA	2,361	868	809	786	826	872	883
Bicol Region	4,360	5,744	3,933	3,510	3,732	3,618	3,268
Western Visayas	18,826	16,697	11,633	10,209	10,366	9,809	10,142
Central Visayas	5,991	6,871	6,774	5,628	4,833	4,468	4,583
Eastern Visayas	1,292	687	648	660	679	708	718
Zamboanga Peninsula	1,027	1,230	1,281	1,281	1,303	1,261	1,508
Northern Mindanao	21,989	25,885	21,127	21,374	21,362	20,713	34,988
Davao Region	4,602	3,479	3,770	3,981	3,955	4,105	4,290
SOCCSKSARGEN	2,383	1,871	3,533	3,971	4,504	4,516	4,695
CARAGA	638	476	275	287	271	278	292
ARMM	525	400	429	420	423	444	450
AREA (ha)							
PHILIPPINES	**20,037**	**17,896**	**16,692**	**16,496**	**16,699**	**16,779**	**17,687**
CAR	371	449	366	374	379	384	383
Ilocos Region	6,167	4,889	3,915	3,868	3,829	3,892	4,119
Cagayan Valley	632	798	1,033	959	973	956	960
Central Luzon	3,401	2,971	3,137	3,231	3,354	3,387	3,515
CALABARZON	2,237	1,551	1,410	1,396	1,462	1,479	1,475
MIMAROPA	586	213	205	201	209	219	217
Bicol Region	907	1,046	658	600	609	597	561
Western Visayas	1,169	1,206	942	851	819	806	831
Central Visayas	1,619	1,863	1,786	1,682	1,571	1,564	1,598
Eastern Visayas	131	93	84	87	91	93	96
Zamboanga Peninsula	215	238	362	366	386	411	418
Northern Mindanao	1,431	1,642	1,601	1,592	1,616	1,584	2,073
Davao Region	613	492	553	575	579	598	608
SOCCSKSARGEN	280	237	442	519	626	614	636
CARAGA	110	81	68	70	65	65	65
ARMM	168	127	130	125	130	130	132
YIELD PER HECTARE (mt)							
PHILIPPINES	**9.18**	**8.71**	**8.87**	**8.85**	**8.94**	**8.94**	**9.74**
CAR	10.91	10.64	9.81	9.80	9.74	9.61	9.55
Ilocos Region	10.69	9.37	12.58	12.82	13.10	13.60	14.10
Cagayan Valley	6.32	7.24	8.65	8.40	7.93	7.21	7.42
Central Luzon	7.24	6.86	4.98	4.86	5.12	5.11	5.45
CALABARZON	9.57	9.60	11.69	12.10	12.51	12.47	12.56
MIMAROPA	4.03	4.07	3.94	3.91	3.95	3.98	4.07
Bicol Region	4.81	5.49	5.98	5.85	6.13	6.06	5.82
Western Visayas	16.10	13.84	12.35	12.00	12.65	12.17	12.21
Central Visayas	3.70	3.69	3.79	3.35	3.08	2.86	2.87
Eastern Visayas	9.86	7.38	7.72	7.59	7.46	7.62	7.49
Zamboanga Peninsula	4.78	5.17	3.54	3.50	3.37	3.07	3.61
Northern Mindanao	15.37	15.76	13.20	13.43	13.22	13.08	16.88
Davao Region	7.51	7.07	6.82	6.92	6.83	6.86	7.06
SOCCSKSARGEN	8.51	7.90	7.99	7.65	7.20	7.35	7.38
CARAGA	5.80	5.87	4.04	4.10	4.18	4.32	4.49
ARMM	3.12	3.15	3.30	3.36	3.26	3.41	3.41

TABLE 5.22 UBI: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**21,576**	**26,176**	**25,611**	**24,287**	**26,238**	**27,884**	**28,526**
CAR	798	1,029	131	131	129	128	126
Ilocos Region	32	76	76	79	74	75	78
Cagayan Valley	73	80	1,989	2,175	2,337	2,248	2,178
Central Luzon	140	121	194	234	254	294	378
CALABARZON	452	521	318	345	358	366	371
MIMAROPA	118	112	150	175	187	195	207
Bicol Region	405	481	856	716	723	735	693
Western Visayas	1,313	724	473	400	392	386	420
Central Visayas	14,449	19,161	17,868	16,447	18,051	19,760	20,785
Eastern Visayas	527	809	705	719	737	748	757
Zamboanga Peninsula	161	167	194	201	219	216	244
Northern Mindanao	1,193	1,395	1,450	1,430	1,579	1,529	1,061
Davao Region	680	469	451	434	440	433	418
SOCCSKSARGEN	150	154	204	211	218	220	264
CARAGA	828	727	268	290	263	265	265
ARMM	258	150	284	300	278	285	279
AREA (ha)							
PHILIPPINES	**4,250**	**5,446**	**5,321**	**5,015**	**5,404**	**5,707**	**5,806**
CAR	80	78	17	18	18	18	18
Ilocos Region	6	10	11	13	12	12	12
Cagayan Valley	16	20	324	336	371	369	359
Central Luzon	44	36	61	76	77	78	88
CALABARZON	114	124	84	85	82	83	94
MIMAROPA	30	33	64	67	71	71	73
Bicol Region	75	85	124	105	107	107	101
Western Visayas	222	131	73	61	62	63	63
Central Visayas	2,820	4,051	3,678	3,381	3,703	4,017	4,215
Eastern Visayas	147	224	208	208	207	206	207
Zamboanga Peninsula	39	44	47	40	44	48	58
Northern Mindanao	194	183	352	346	395	380	255
Davao Region	114	90	88	83	85	82	77
SOCCSKSARGEN	27	30	41	42	45	46	61
CARAGA	272	271	83	86	60	60	61
ARMM	50	36	66	68	64	66	63
YIELD PER HECTARE (mt)							
PHILIPPINES	**5.08**	**4.81**	**4.81**	**4.84**	**4.86**	**4.89**	**4.91**
CAR	9.97	13.19	7.71	7.28	7.14	7.10	6.99
Ilocos Region	5.25	7.60	6.90	6.04	6.18	6.27	6.58
Cagayan Valley	4.55	3.98	6.14	6.47	6.30	6.09	6.07
Central Luzon	3.19	3.36	3.18	3.07	3.29	3.76	4.30
CALABARZON	3.96	4.20	3.78	4.05	4.36	4.41	3.95
MIMAROPA	3.95	3.40	2.35	2.62	2.63	2.75	2.84
Bicol Region	5.40	5.66	6.90	6.82	6.73	6.85	6.86
Western Visayas	5.91	5.53	6.48	6.55	6.30	6.10	6.64
Central Visayas	5.12	4.73	4.86	4.86	4.87	4.92	4.93
Eastern Visayas	3.59	3.61	3.39	3.45	3.56	3.63	3.65
Zamboanga Peninsula	4.14	3.79	4.13	5.03	4.96	4.47	4.21
Northern Mindanao	6.15	7.62	4.12	4.13	3.99	4.02	4.16
Davao Region	5.96	5.21	5.13	5.23	5.18	5.28	5.43
SOCCSKSARGEN	5.55	5.14	4.98	5.02	4.85	4.78	4.33
CARAGA	3.04	2.68	3.23	3.37	4.38	4.42	4.35
ARMM	5.16	4.18	4.30	4.42	4.34	4.31	4.43

TABLE 5.23 WHITE POTATO: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2004

REGION	1990	1995	2000	2001	2002	2003	2004
PRODUCTION (mt)							
PHILIPPINES	**58,286**	**85,302**	**63,524**	**66,016**	**67,540**	**68,050**	**69,456**
CAR	39,314	54,118	47,437	48,625	50,341	51,303	52,495
Ilocos Region	82	-	-	-	-	-	-
Cagayan Valley	73	176	236	308	297	296	304
Central Luzon	-	-	-	1	1	1	1
CALABARZON	-	-	-	-	-	-	-
MIMAROPA	-	-	-	-	-	-	-
Bicol Region	-	-	2	2	2	2	1
Western Visayas	-	-	-	-	-	-	-
Central Visayas	102	165	100	82	71	60	57
Eastern Visayas	-	-	-	-	-	-	-
Zamboanga Peninsula	33	29	29	30	34	-	-
Northern Mindanao	16,181	25,810	6,207	7,982	7,327	6,875	6,886
Davao Region	2,146	4,233	8,983	8,466	8,905	8,944	9,053
SOCCSKSARGEN	355	772	531	520	563	568	659
CARAGA	-	-	-	-	-	-	-
ARMM	-	-	-	-	-	-	-
AREA (ha)							
PHILIPPINES	**4,217**	**5,364**	**5,172**	**5,322**	**5,366**	**5,394**	**5,446**
CAR	2,621	3,318	3,279	3,335	3,390	3,434	3,467
Ilocos Region	16	-	-	-	-	-	-
Cagayan Valley	29	55	73	94	77	76	77
Central Luzon	-	-	-	1	1	1	1
CALABARZON	-	-	-	-	-	-	-
MIMAROPA	-	-	-	-	-	-	-
Bicol Region	-	-	1	1	1	1	1
Western Visayas	-	-	-	-	-	-	-
Central Visayas	45	74	43	35	25	23	21
Eastern Visayas	-	-	-	-	-	-	-
Zamboanga Peninsula	11	13	14	14	15	-	-
Northern Mindanao	1,080	1,160	412	526	524	525	533
Davao Region	372	679	1,290	1,256	1,269	1,267	1,267
SOCCSKSARGEN	43	65	60	60	64	67	79
CARAGA	-	-	-	-	-	-	-
ARMM	-	-	-	-	-	-	-
YIELD PER HECTARE (mt)							
PHILIPPINES	**13.82**	**15.90**	**12.28**	**12.40**	**12.59**	**12.62**	**12.75**
CAR	15.00	16.31	14.47	14.58	14.85	14.94	15.14
Ilocos Region	5.15						
Cagayan Valley	2.50	3.20	3.23	3.27	3.86	3.90	3.94
Central Luzon				0.75	0.80	0.78	0.62
CALABARZON							
MIMAROPA							
Bicol Region			2.20	2.05	1.94	1.58	1.12
Western Visayas							
Central Visayas	2.26	2.22	2.32	2.36	2.83	2.66	2.74
Eastern Visayas							
Zamboanga Peninsula	3.03	2.20	2.06	2.16	2.26		
Northern Mindanao	14.98	22.25	15.07	15.17	14.00	13.10	12.92
Davao Region	5.77	6.23	6.96	6.74	7.02	7.06	7.15
SOCCSKSARGEN	8.26	11.87	8.84	8.67	8.80	8.48	8.34
CARAGA							
ARMM							

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