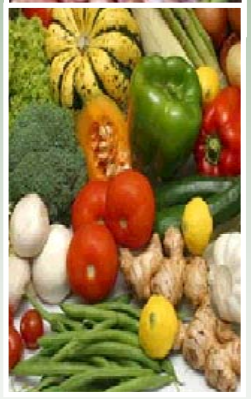
CROPS STATISTICS OF THE PHILIPPINES 1990 - 2003



Department of Agriculture
BUREAU OF AGRICUTURAL STATISTICS

MAY 2004

FOREWORD

This publication presents time series statistics for major and priority crops generated and maintained by the Crops Statistics Division (CSD). The data items include production, hectarage, number of bearing trees and yield per hectare disaggregated at the regional levels. Statistics for earlier years are presented on selected points only, i.e. 1990, 1995 and 1999. Thereafter, the data are presented for all years up to 2003.

Data of few commodities were revised to reflect data revisions by FIDA, CODA and SRA and results of field validation on coffee, coconut and cashew.

Although limited in terms of crop coverage, this publication nonetheless attempts to present a consolidated reference material for data users from the government, private sector and academe. Comments and suggestions to improve this are most welcome.

This handbook was prepared by the Crops Statistics Division of the Bureau of Agricultural Statistics, Department of Agriculture.

ROMEO S. RECIDE
Director

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EXPLANATORY TEXT

1. Introduction

The Bureau of Agricultural Statistics (BAS) generates production statistics for cereals, fruit crops, vegetables and rootcrops, and industrial and non-food crops. Probability sample surveys are employed for cereals and coconut while non-probability sample surveys are undertaken for other major and priority crops.

Crop surveys for cereals and all other crops aim to provide quarterly statistics primarily on production, area and yield. Production surveys are geared towards providing palay and corn statistics by farm type (irrigated and rainfed) and by variety (white and yellow), and for other major crops, statistics by variety.

2. 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	
FRUITCROPS	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	Asparagus, broccoli, carrots, cauliflower, chayote, gabi, ginger, gourd, irish potato, habitchuelas, lettuce, okra, ubi

3. Sampling Methodology

Sampling design of rice and corn production uses the results of 1991 Census of Agriculture (CAF) as sampling frame. 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) selected systematically.

For other crops, a "5 x 5" design is used in the survey with the province as the domain. Top five producing municipalities are chosen from each province. From each of these municipalities, five sample farmers are selected as respondents.

In this two-stage design, the municipalities serve as the primary sampling units (psu), and farmers/operators as the ultimate sampling units (usu).

4. Data Collection

For cereals, data collection is done quarterly during the first twelve days of the month after the reference quarter. For other crops, quarterly data collection is conducted simultaneously with farm prices during the last ten days of February, May, August and November.

At each round of the Rice and Corn Production Survey, three types of estimates are generated, i.e. (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.

5. Data Review and Analysis

Data review and analysis is conducted quarterly to ascertain the accuracy of the data collected from probability surveys and monitoring activities. This starts 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 further review. The BAS Director presides over the National Data Review, which is participated in by the Assistant Director and Chiefs of the Survey Operations Coordinating Division (SOCD) and Technical Divisions.

6. Concepts and Definitions

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

Area Harvested - the actual area from which harvest 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 local or foreign bred.

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

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 banana, calamansi, mango, pineapple, abaca, coconut, coffee, rubber, sugarcane, tobacco, cabbage, camote, cassava, eggplant, garlic, mongo, onion, peanut and tomato.

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

Non-Food Crops - crops which are not used 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 but it also depends on rainfall 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. Both are not necessarily confined to lowlands but also to higher places or hillsides.

Rootcrops - 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

Palay production from 1990 to 2003 was generally on the rise except in 1998 when production suffered a big setback due to the El Nino phenomenon. From 1990 to 1995, palay production went up by 13.1 percent following a 16.14 percent expansion in harvest area of irrigated farms. In 1999, the country's palay production bounced back from the 1998 drought stricken crop with a hefty 37.8 percent increment, then posted a 14.5 percent gain thru 2003. The gain was attributed to the 14.2 percent improvement in yield per hectare. With a combined share of 60 percent of the overall palay output, the top five palay producing regions were Central Luzon, Cagayan Valley, Western Visayas, Ilocos Region and SOCCSKSARGEN. Production from irrigated farms accounted for 76 percent of the national palay output with the rest attributed to rainfed farms.

The national corn output was on the downtrend since 1990 as area devoted to the crop continued to contract. Despite the 20.5 percent improvement in yield per hectare, production from 1990 to 1995 dropped by almost 15.0 percent. Such gain in yield was not able to offset the reduction in hectarage brought about by shifting to other cash crops and other land usage. While corn output recovered from 1995 to 1999 by 11.0 percent, production declined in 2002 because of the slight drop in yield and hectarage. The top producing regions accounting for 72 percent of the total corn production were SOCCSKSARGEN, Cagayan Valley, Northern Mindanao and ARMM. White corn was sourced mainly from the three Mindanao regions while Cagayan Valley, SOCCSKSARGEN and Northern Mindanao contributed largely to yellow corn output in 2002.

There is a general uptrend among major fruit crops - banana, calamansi, mango and pineapple. Banana, being a top export crop consistently ranked first in terms of area, volume and bearing trees. Mango production more than doubled and registered the highest increase (121%) from 1990 to 2003.

The bulk of banana production came from Davao region, mango from Ilocos region, and calamansi from MIMAROPA. Pineapple was largely sourced from SOCCSKSARGEN and Northern Mindanao mainly because of the presence of plantation farms in these regions.

High production fluctuations were observed among the priority fruit crops. Rambutan had a big drop in production in 1999 but registered slight uptrend for the whole of 1990-2003 period. Lanzones dropped sharply from its 1990 level, while papaya showed the reverse trend, the former owing to its cyclical production pattern and the latter based on renewed interest in planting as shown by the

increases in area. Area and production for watermelon showed an overall downward trend from 1990 to 2001 but production grew by 35 percent and 17 percent in 2002 and 2003, respectively.

Among industrial and non-food crops, increases in volume over the years 1990 - 2003 were registered for abaca, coconut, rubber and sugarcane. Downtrends were noted for cacao, coffee, cotton and tobacco. For cacao and coffee, decreases in production were caused by poor maintenance of the farms due to the drop in prices and weak export opportunities. As tobacco production is indirectly regulated by the government through prices and export programs, the negative growth rate for the crop can be interpreted as lack of price and export enhancement policies initiated by the government.

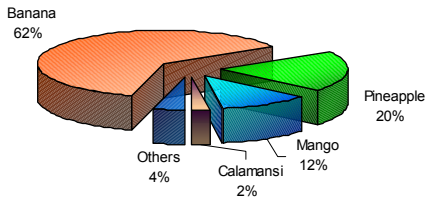
Coconut, being also a top export crop ranked first in terms of volume, area and bearing trees. From its 1999 downtrend, volume picked up in 2000 and consistently grew up to more than 4.6 million metric tons in 2003.

Vegetables and rootcrops/tubers exhibited a general uptrend throughout 1990 – 2003. But a decreasing output was observed for some of the major crops - cabbage, camote, cassava and peanut - which comprise a large share in production. For cassava, which comprised the bulk of rootcrop production, the downtrend can be attributed to the declining prices received by farmers.

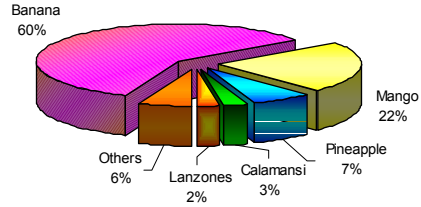
Marked increases in production are seen among the priority crops in this grouping, an indication of shifting from the more traditional crops to those that can be sold for cash within a shorter period. Notably, asparagus and broccoli had exhibited significant increases in area in CAR and SOCCSKSARGEN which together contributed to the eight-fold increases in the volume of production of these highland vegetables from 1990 – 2003.

I. SUMMARY

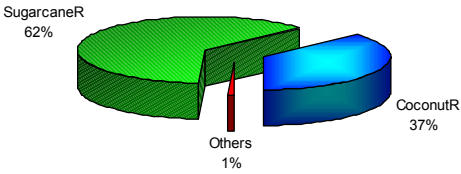
Production Distribution of Selected Fruit Crops,2003



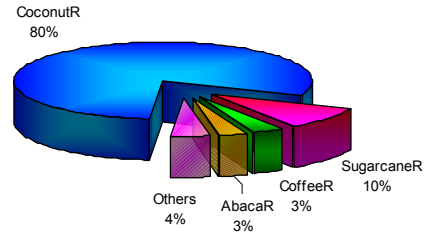
Area Distribution of Selected Fruit Crops, 2003



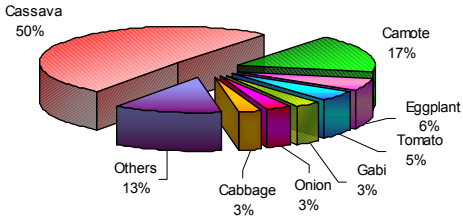
Production Distribution of Selected Non-Food and Industrial Crops, 2003



Area Distribution of Selected Non-Food and Industrial Crops, 2003



Production Distribution of Selected Vegetables, Root Crops and Tubers 2003



Area Distribution of Selected Vegetable, Root Crops and Tubers, 2003

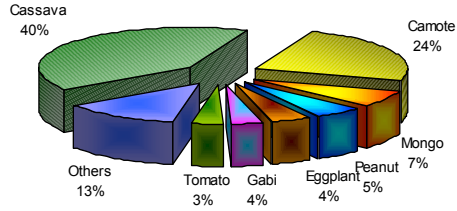


TABLE 1.0: PRODUCTION IN METRIC TONS OF SELECTED CROPS, PHILIPPINES, 1990-2003

CROP	1990	1995	1999	2000	2001	2002R	2003P
Cereals							
Palay	9,319,276	10,540,649	11,786,625	12,389,412	12,954,870	13,270,653	13,499,884
Irrigated	6,604,826	7,598,555	8,917,882	9,412,676	9,790,260	9,949,173	10,250,223
Rainfed	2,714,450	2,942,094	2,868,743	2,976,736	3,164,610	3,321,480	3,249,661
Corn	4,853,891	4,128,510	4,584,593	4,511,104	4,525,012	4,319,262	4,615,625
White	2,965,557	1,862,423	1,823,834	1,889,338	1,917,654	1,796,929	2,052,684
Yellow	1,888,334	2,266,087	2,760,759	2,621,766	2,607,358	2,522,333	2,562,941
Fruit Crops							
Banana	3,539,616	4,236,253	4,570,640	4,929,570	5,059,360	5,274,826	5,368,977
Calamansi	154,728	161,454	178,005	180,844	181,747	180,999	180,907
Durian	26,323	28,525	26,693	25,763	27,037	31,638	39,817
Lanzones	168,947	113,299	48,917	43,417	45,903	47,752	51,790
Mandarin	22,532	20,657	24,378	19,083	19,626	20,423	18,431
Mango	453,986	697,066	866,187	848,328	881,710	956,033	1,004,280
Mangosteen	5,588	4,906	4,891	4,610	4,780	5,018	4,900
Orange	9,223	8,270	8,188	8,020	8,243	7,804	7,403
Papaya	84,855	108,409	112,862	121,304	127,787	127,680	130,752
Pineapple	1,421,663	1,646,268	1,565,878	1,559,563	1,617,906	1,639,161	1,696,346
Rambutan	11,168	12,126	1,614	11,894	13,099	11,608	11,900
Tamarind	12,484	14,464	13,473	12,507	13,596	13,878	14,266
Watermelon	87,506	82,435	63,297	59,382	58,284	78,935	92,439
Non Food & Industrial Crops							
Abaca[R]	59,418	64,833	73,125	77,180	72,861	63,028	69,765
Cacao	9,848	7,927	7,667	6,628	6,531	5,803	5,609
Cashew[R]	97,674	153,567	111,170	111,019	111,153	111,223	111,291
Coconut[R]	11,941,960	12,790,840	11,589,010	12,994,654	13,146,052	13,895,116	14,121,906
Coffee[R]	125,659	127,412	104,124	107,557	112,271	107,080	106,388
Cotton[R]	12,520	8,093	3,151	1,114	2,489	4,541	2,231
Rubber	185,392	181,619	214,575	216,309	264,042	267,712	273,979
Sugarcane[R]	18,666,861	17,774,401	23,777,828	21,223,438	21,708,722	21,417,288	23,981,269
Tobacco	81,723	63,705	51,693	49,529	48,173	50,174	52,902
Vegetables, Root Crops & Tubers							
Asparagus	1,908	10,842	6,332	6,429	8,577	12,566	15,211
Brocolli	197	2,126	1,616	1,571	1,607	1,634	1,669
Cabbage	117,202	129,989	87,472	87,576	89,542	91,368	91,982
Camote	643,797	667,946	557,386	554,003	545,409	549,392	546,971
Carrots	36,985	31,953	33,849	34,600	33,793	34,512	34,666
Cassava	1,853,385	1,905,903	1,890,315	1,765,712	1,652,036	1,625,739	1,622,242
Cauliflower	3,282	6,302	11,999	12,180	12,298	12,284	12,324
Eggplant	112,704	130,702	159,744	166,146	169,819	179,659	176,997
Gabi	107,092	104,931	97,317	95,932	96,861	101,155	100,705
Garlic	17,849	17,227	9,335	13,688	15,364	16,257	15,529
Ginger	21,811	22,704	20,793	22,679	23,424	23,022	22,616
Gourd	40,085	30,304	38,107	37,113	34,980	33,926	33,867
Habitchuelas	9,490	11,289	12,138	11,757	11,603	11,847	11,549
Irish Potato	58,286	85,302	63,584	63,524	66,016	67,540	68,050
Lettuce	1,514	1,775	1,439	1,421	1,475	1,495	1,579
Mongo	26,655	26,651	29,198	27,465	27,757	27,351	25,984
Okra	23,913	28,886	25,174	25,452	25,160	25,254	22,992
Onion	61,470	88,427	84,967	84,216	82,606	96,358	93,843
Peanut	34,875	36,200	25,948	26,827	26,151	26,246	26,119
Pechay-Chinese	26,129	38,344	35,939	34,220	35,307	34,885	34,894
Pechay-Native	29,304	28,012	36,417	37,365	37,400	39,684	41,288
Tomato	183,962	155,823	145,362	148,101	146,031	149,259	150,059
Ubi	21,576	26,176	25,000	25,611	24,287	26,238	27,884

P - Preliminary
R - Revised

TABLE 2.0: AREA HARVESTED IN HECTARES OF SELECTED CROPS, PHILIPPINES, 1990-2003

CROP	1990	1995	1999	2000	2001	2002	2003P
Cereals							
Palay	3,318,720	3,758,691	3,999,839	4,038,085	4,065,441	4,046,318	4,006,421
Irrigated	2,009,930	2,334,373	2,664,629	2,703,354	2,726,876	2,706,298	2,718,538
Rainfed	1,308,790	1,424,318	1,335,210	1,334,731	1,338,565	1,340,020	1,287,883
Corn	3,819,560	2,692,332	2,642,208	2,510,342	2,486,588	2,395,456	2,409,828
White	2,738,540	1,670,318	1,607,755	1,573,408	1,565,112	1,503,118	1,564,943
Yellow	1,081,020	1,022,014	1,034,453	936,934	921,476	892,338	844,885
Fruit Crops							
Banana	311,819	339,398	372,127	382,491	386,703	398,005	409,821
Calamansi	14,761	16,972	18,776	19,418	19,668	19,781	19,947
Durian	3,436	3,756	5,947	7,010	9,591	10,266	11,524
Lanzones	14,046	13,942	15,037	16,131	16,557	16,786	17,037
Mandarin	8,735	7,675	9,062	9,135	9,151	9,094	9,062
Mango	77,137	108,144	132,232	133,815	137,050	150,505	155,235
Mangosteen	1,072	1,128	1,321	1,354	1,465	1,516	1,589
Orange	2,104	2,074	2,317	2,280	2,299	2,286	2,274
Papaya	6,244	7,161	7,913	8,440	8,422	8,761	8,913
Pineapple	40,795	41,580	43,265	42,968	44,347	44,961	47,635
Rambutan	2,637	2,898	4,919	4,023	4,630	4,743	4,858
Tamarind	1,952	2,135	2,561	2,553	2,563	2,666	2,712
Watermelon	6,364	6,066	4,290	4,046	3,690	4,914	5,323
Non Food & Industrial Crops							
Abaca[R]	102,494	105,641	111,384	106,816	107,145	122,508	122,046
Cacao	18,377	16,235	15,018	12,077	11,997	11,525	10,845
Cashew[R]	25,646	28,353	28,787	27,981	27,979	27,863	27,801
Coconut[R]	3,111,978	3,094,504	3,137,881	3,143,909	3,148,651	3,181,670	3,214,226
Coffee[R]	144,007	140,897	133,208	136,921	135,354	132,408	131,790
Cotton[R]	10,569	7,675	4,028	2,535	3,219	4,163	1,994
Rubber	86,332	86,668	91,536	81,036	78,108	81,087	80,144
Sugarcane[R]	235,269	302,005	404,065	383,824	373,705	359,866	389,421
Tobacco	63,200	56,306	47,306	44,042	40,903	40,659	41,723
Vegetables, Root Crops & Tubers							
Asparagus	262	1,291	1,423	1,502	1,784	2,270	2,471
Brocolli	20	167	160	156	157	158	160
Cabbage	8,626	8,529	7,637	7,672	7,711	7,802	7,746
Camote	136,717	145,236	132,349	127,682	124,637	122,487	122,239
Carrots	3,225	3,187	3,205	3,414	3,441	3,536	3,505
Cassava	213,653	225,751	223,622	210,208	208,183	207,620	209,214
Cauliflower	380	520	943	961	989	972	982
Eggplant	16,425	17,643	19,386	19,949	20,422	20,813	20,984
Gabi	22,252	21,424	18,100	17,999	18,072	18,332	18,202
Garlic	6,406	6,299	3,799	5,269	5,707	5,637	5,459
Ginger	3,519	3,543	3,279	3,583	3,681	3,642	3,610
Gourd	3,271	2,689	3,180	3,091	2,954	3,040	3,052
Habitchuelas	2,258	3,031	3,114	3,060	3,009	3,078	3,098
Irish Potato	4,217	5,364	5,242	5,172	5,322	5,366	5,394
Lettuce	218	254	215	207	211	210	217
Mongo	36,593	34,781	39,281	39,661	37,127	36,510	35,618
Okra	2,368	2,861	2,729	2,907	2,972	3,024	3,018
Onion	6,422	8,693	9,602	9,579	10,094	10,035	9,516
Peanut	44,489	47,555	27,166	26,866	26,668	27,057	26,709
Pechay-Chinese	2,278	2,865	2,989	2,986	3,031	3,003	2,998
Pechay-Native	5,333	4,729	6,539	6,708	6,712	6,854	7,158
Tomato	20,037	17,896	16,808	16,692	16,496	16,698	16,779
Ubi	4,250	5,446	5,188	5,321	5,015	5,403	5,706

P - Preliminary
R - Revised

TABLE 3.0: YIELD PER HECTARE IN METRIC TONS OF SELECTED CROPS, PHILIPPINES, 1990-2003

CROP	1990	1995	1999	2000	2001	2002R	2003P
Cereals							
Palay	2.81	2.80	2.95	3.07	3.19	3.28	3.37
Irrigated	3.29	3.26	3.35	3.48	3.59	3.68	3.77
Rainfed	2.07	2.07	2.15	2.23	2.36	2.48	2.52
Corn	1.27	1.53	1.74	1.80	1.82	1.80	1.92
White	1.08	1.12	1.13	1.20	1.23	1.20	1.31
Yellow	1.75	2.22	2.67	2.80	2.83	2.83	3.03
Fruit Crops							
Banana	11.35	12.48	12.28	12.89	13.08	13.25	13.10
Calamansi	10.48	9.51	9.48	9.31	9.24	9.15	9.07
Durian	7.66	7.59	4.49	3.68	2.82	3.08	3.46
Lanzones	12.03	8.13	3.25	2.69	2.77	2.84	3.04
Mandarin	2.58	2.69	2.69	2.09	2.14	2.25	2.03
Mango	5.89	6.45	6.55	6.34	6.43	6.35	6.47
Mangosteen	5.21	4.35	3.70	3.40	3.26	3.31	3.08
Orange	4.38	3.99	3.53	3.52	3.59	3.41	3.26
Papaya	13.59	15.14	14.26	14.37	15.17	14.57	14.67
Pineapple	34.85	39.59	36.19	36.30	36.48	36.46	35.61
Rambutan	4.24	4.18	0.33	2.96	2.83	2.45	2.45
Tamarind	6.40	6.78	5.26	4.90	5.30	5.21	5.26
Watermelon	13.75	13.59	14.75	14.68	15.80	16.06	17.37
Non Food & Industrial Crops							
Abaca[R]	0.58	0.61	0.66	0.72	0.68	0.51	0.57
Cacao	0.54	0.49	0.51	0.55	0.54	0.50	0.52
Cashew[R]	3.81	5.42	3.86	3.97	3.97	3.99	4.00
Coconut[R]	3.84	4.13	3.69	4.13	4.18	4.37	4.39
Coffee[R]	0.87	0.90	0.78	0.79	0.83	0.81	0.81
Cotton[R]	1.18	1.05	0.78	0.44	0.77	1.09	1.12
Rubber	2.15	2.10	2.34	2.67	3.38	3.30	3.42
Sugarcane[R]	79.34	58.85	58.85	55.29	58.09	59.51	61.58
Tobacco	1.29	1.13	1.09	1.12	1.18	1.23	1.27
Vegetables, Root Crops & Tubers							
Asparagus	7.28	8.40	4.45	4.28	4.81	5.54	6.16
Brocolli	9.86	12.73	10.10	10.07	10.23	10.34	10.43
Cabbage	13.59	15.24	11.45	11.42	11.61	11.71	11.87
Camote	4.71	4.60	4.21	4.34	4.38	4.49	4.47
Carrots	11.47	10.03	10.56	10.13	9.82	9.76	9.89
Cassava	8.67	8.44	8.45	8.40	7.94	7.83	7.75
Cauliflower	8.64	12.12	12.72	12.67	12.44	12.63	12.55
Eggplant	6.86	7.41	8.24	8.33	8.32	8.63	8.43
Gabi	4.81	4.90	5.38	5.33	5.36	5.52	5.53
Garlic	2.79	2.73	2.46	2.60	2.69	2.88	2.84
Ginger	6.20	6.41	6.34	6.33	6.36	6.32	6.26
Gourd	12.25	11.27	11.98	12.01	11.84	11.16	11.10
Habitchuelas	4.20	3.72	3.90	3.84	3.86	3.85	3.73
Irish Potato	13.82	15.90	12.13	12.28	12.40	12.59	12.62
Lettuce	6.95	6.99	6.69	6.87	6.99	7.12	7.28
Mongo	0.73	0.77	0.74	0.69	0.75	0.75	0.73
Okra	10.10	10.10	9.22	8.76	8.47	8.35	7.62
Onion	9.57	10.17	8.85	8.79	8.18	9.60	9.86
Peanut	0.78	0.76	0.96	1.00	0.98	0.97	0.98
Pechay-Chinese	11.47	13.38	12.02	11.46	11.65	11.62	11.64
Pechay-Native	5.49	5.92	5.57	5.57	5.57	5.79	5.77
Tomato	9.18	8.71	8.65	8.87	8.85	8.94	8.94
Ubi	5.08	4.81	4.82	4.81	4.84	4.86	4.89

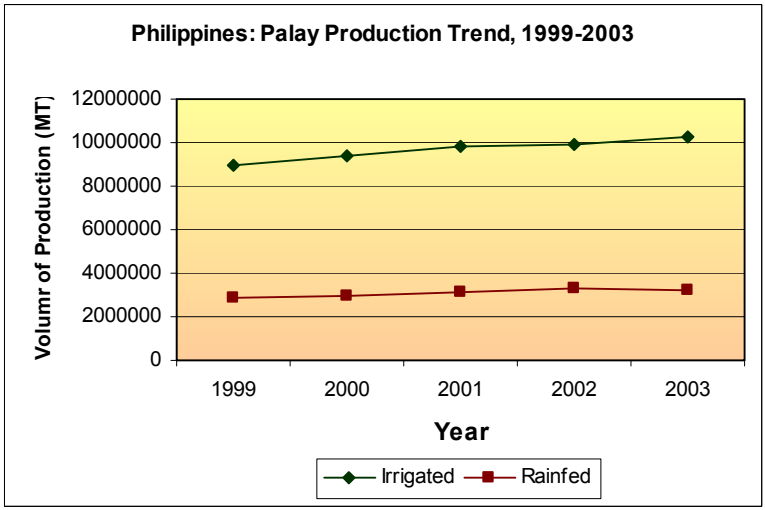
P - Preliminary
R - Revised

TABLE 4.0: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE, PHILIPPINES, 1990-2003

CROP	1990	1995	1999	2000	2001	2002	2003P
BEARING TREES (no.)							
Banana	137,097,761	163,136,763	175,407,711	181,094,490	184,908,814	193,330,664	198,309,967
Cacao	5,752,940	5,527,038	4,825,678	4,694,696	4,639,556	4,323,811	4,095,223
Calamansi	5,804,794	6,341,165	7,727,358	7,888,304	8,134,837	8,182,385	8,278,979
Cashew	3,178,109	3,544,572	3,575,290	3,535,743	3,535,499	3,520,050	3,515,920
Coconut	302,297,227	301,309,547	299,748,945	300,833,466	297,438,528	312,944,023	324,317,277
Coffee	99,499,931	100,062,397	91,959,208	95,112,874	95,961,496	93,536,210	91,521,752
Durian	186,158	200,937	306,292	343,642	383,388	432,308	494,161
Lanzones	1,638,950	1,620,530	1,663,626	1,808,363	1,831,586	1,872,041	1,831,157
Mandarin	615,895	613,196	1,031,002	1,034,935	1,040,753	1,059,653	1,064,599
Mango	3,694,476	4,699,563	6,138,942	6,244,847	6,461,116	6,788,835	6,989,018
Mangosteen	154,766	158,248	156,453	161,818	169,686	176,145	177,517
Orange	314,412	317,187	294,040	299,045	301,980	298,075	309,965
Papaya	3,673,692	4,306,321	4,801,584	5,057,559	5,222,599	5,194,779	5,356,536
Rambutan	470,369	513,053	610,051	399,264	413,298	424,012	432,049
Rubber	18,729,000	23,886,000	26,810,997	25,250,262	25,190,726	25,127,597	24,992,305
PLANTING DENSITY (Btrees/ha)							
Banana	440	481	471	473	478	486	484
Cacao	313	340	321	389	387	375	378
Calamansi	393	374	412	406	414	414	415
Cashew	124	125	124	126	126	126	126
Coconut	97	97	96	96	94	98	101
Coffee	691	710	690	695	709	706	694
Durian	54	53	52	49	40	42	43
Lanzones	117	116	111	112	111	112	107
Mandarin	71	80	114	113	114	117	117
Mango	48	43	46	47	47	45	45
Mangosteen	144	140	118	120	116	116	112
Orange	149	153	127	131	131	130	136
Papaya	588	601	607	599	620	593	601
Rambutan	178	177	124	99	89	89	89
Rubber	217	276	293	312	323	310	312
YIELD PER BEARING TREE (kg)							
Banana	26	26	26	27	27	27	27
Cacao	2	1	2	1	1	1	1
Calamansi	27						
Cashew	31	43	31	31	31	32	32
Coconut	40	42	39	43	44	44	44
Coffee	1	1	1	1	1	1	1
Durian	141	142	87	75	71	73	81
Lanzones	103	70	29	24	25	26	28
Mandarin	37	34	24	18	19	19	17
Mango	123	148	141	136	136	141	144
Mangosteen	36	31	31	28	28	28	28
Orange	29	26	28	27	27	26	24
Papaya	23	25	24	24	24	25	24
Rambutan	24	24	3	30	32	27	28
Rubber	10	8	8	9	10	11	11

P - Preliminary

II. CEREALS


Philippines: Palay Production Trend, 1999-2003
Volumr of Production (MT)
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10000000
8000000
6000000
4000000
2000000
0
1999
2000
2001
2002
2003
Year
Irrigated
Rainfed

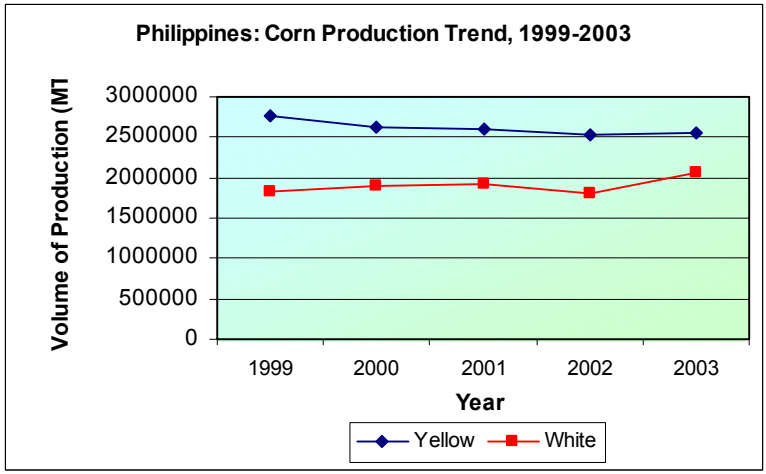

Philippines: Corn Production Trend, 1999-2003
Volume of Production (MT
3000000
2500000
2000000
1500000
1000000
500000
0
1999
2000
2001
2002
2003
Year
Yellow
White

TABLE 2.1 PALAY: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003
PRODUCTION (mt)							
PHILIPPINES	**9,319,276**	**10,540,649**	**11,786,625**	**12,389,412**	**12,954,870**	**13,270,653**	**13,499,884**
CAR	165,585	193,221	221,370	255,820	314,295	304,355	300,776
ILOCOS REGION	847,691	886,517	1,081,888	1,207,890	1,227,227	1,222,292	1,304,374
CAGAYAN VALLEY	1,164,758	1,349,258	1,708,809	1,785,137	1,810,196	1,707,575	1,666,484
CENTRAL LUZON	1,963,919	1,822,089	1,912,735	1,960,232	2,173,837	2,240,379	2,395,461
CALABARZON	421,188	334,811	427,915	376,439	396,000	377,513	376,534
MIMAROPA	483,109	593,285	709,481	758,719	745,969	799,627	818,182
BICOL REGION	686,998	598,618	720,247	672,293	697,287	756,808	761,048
WESTERN VISAYAS	886,732	1,291,275	1,531,728	1,608,337	1,589,531	1,732,602	1,767,530
CENTRAL VISAYAS	182,940	230,759	208,364	215,192	225,192	218,724	193,287
EASTERN VISAYAS	337,459	446,057	506,397	517,558	565,895	622,435	674,096
ZAMBOANGA PENINSULA	342,690	342,836	322,164	443,598	431,080	505,117	524,077
NORTHERN MINDANAO	365,544	510,704	479,557	499,605	531,776	532,508	489,872
DAVAO REGION	515,745	381,470	386,312	388,183	402,441	440,152	459,444
SOCCSKSARGEN	517,660	827,550	940,964	1,044,794	1,063,220	1,060,916	1,025,035
CARAGA	225,917	402,359	280,209	308,066	336,365	327,070	344,706
ARMM	211,341	329,840	348,485	347,549	444,559	422,580	398,978
AREA (ha)							
PHILIPPINES	**3,318,720**	**3,758,691**	**3,999,839**	**4,038,085**	**4,065,441**	**4,046,318**	**4,006,421**
CAR	64,570	76,387	74,563	85,084	98,017	96,231	94,431
ILOCOS REGION	306,490	322,964	333,891	351,217	352,791	354,128	354,360
CAGAYAN VALLEY	347,650	403,111	483,667	492,933	498,929	460,914	450,379
CENTRAL LUZON	538,990	568,082	550,020	552,261	557,970	554,876	569,729
CALABARZON	166,400	142,420	144,124	127,807	128,731	124,368	123,062
MIMAROPA	197,360	247,228	246,300	257,235	255,020	254,878	254,675
BICOL REGION	275,670	281,263	301,930	289,820	285,917	275,971	277,136
WESTERN VISAYAS	373,390	468,290	573,616	572,677	559,233	584,907	578,171
CENTRAL VISAYAS	113,470	112,630	97,422	101,193	98,472	96,518	79,898
EASTERN VISAYAS	200,110	206,488	221,138	218,997	229,324	228,256	228,521
ZAMBOANGA PENINSULA	124,140	119,621	127,111	151,574	148,446	151,866	155,120
NORTHERN MINDANAO	112,780	139,611	140,336	144,220	146,207	144,947	135,466
DAVAO REGION	135,960	110,971	103,208	104,348	105,956	111,719	113,777
SOCCSKSARGEN	167,780	254,332	336,653	321,506	314,888	314,632	306,243
CARAGA	85,970	146,330	111,925	117,285	120,655	118,034	113,921
ARMM	107,990	158,963	153,935	149,928	164,885	174,073	171,532
YIELD PER HECTARE (mt)							
PHILIPPINES	**2.81**	**2.80**	**2.95**	**3.07**	**3.19**	**3.28**	**3.37**
CAR	2.56	2.53	2.97	3.01	3.21	3.16	3.19
ILOCOS REGION	2.77	2.74	3.24	3.44	3.48	3.45	3.68
CAGAYAN VALLEY	3.35	3.35	3.53	3.62	3.63	3.70	3.70
CENTRAL LUZON	3.64	3.21	3.48	3.55	3.90	4.04	4.20
CALABARZON	2.53	2.35	2.97	2.95	3.08	3.04	3.06
MIMAROPA	2.45	2.40	2.88	2.95	2.93	3.14	3.21
BICOL REGION	2.49	2.13	2.39	2.32	2.44	2.74	2.75
WESTERN VISAYAS	2.37	2.76	2.67	2.81	2.84	2.96	3.06
CENTRAL VISAYAS	1.61	2.05	2.14	2.13	2.29	2.27	2.42
EASTERN VISAYAS	1.69	2.16	2.29	2.36	2.47	2.73	2.95
ZAMBOANGA PENINSULA	2.76	2.87	2.53	2.93	2.90	3.33	3.38
NORTHERN MINDANAO	3.24	3.66	3.42	3.46	3.64	3.67	3.62
DAVAO REGION	3.79	3.44	3.74	3.72	3.80	3.94	4.04
SOCCSKSARGEN	3.09	3.25	2.80	3.25	3.38	3.37	3.35
CARAGA	2.63	2.75	2.50	2.63	2.79	2.77	3.03
ARMM	1.96	2.07	2.26	2.32	2.70	2.43	2.33

TABLE 2.2 IRRIGATED PALAY: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003
PRODUCTION (mt)							
PHILIPPINES	**6,604,826**	**7,598,555**	**8,917,882**	**9,412,676**	**9,790,260**	**9,949,173**	**10,250,223**
CAR	147,596	178,902	205,696	224,319	285,183	276,325	272,135
ILOCOS REGION	477,013	538,317	803,846	852,863	868,878	854,598	908,912
CAGAYAN VALLEY	1,076,957	1,254,166	1,553,996	1,618,204	1,637,875	1,565,283	1,547,983
CENTRAL LUZON	1,485,592	1,502,350	1,652,584	1,712,113	1,866,233	1,919,829	2,095,908
CALABARZON	312,496	254,953	351,026	326,680	325,265	300,534	302,452
MIMAROPA	262,631	338,104	419,232	445,011	434,949	459,224	487,082
BICOL REGION	508,755	445,492	477,145	458,883	480,003	521,025	533,171
WESTERN VISAYAS	450,499	747,646	922,355	976,772	945,759	990,945	1,038,003
CENTRAL VISAYAS	125,646	115,816	116,358	123,524	138,048	130,937	143,305
EASTERN VISAYAS	186,302	264,949	306,232	314,419	347,444	380,203	415,051
ZAMBOANGA PENINSULA	214,969	216,090	214,030	301,727	286,682	337,206	344,432
NORTHERN MINDANAO	334,596	469,336	437,503	461,795	484,747	484,535	454,270
DAVAO REGION	413,015	343,141	341,438	352,902	362,967	396,574	407,394
SOCCSKSARGEN	391,986	592,595	788,453	889,938	920,532	911,394	889,816
CARAGA	139,718	231,380	202,870	221,454	237,439	238,430	250,296
ARMM	77,055	105,318	125,118	132,072	168,256	182,131	160,013
AREA (ha)							
PHILIPPINES	**2,009,930**	**2,334,373**	**2,664,629**	**2,703,354**	**2,726,876**	**2,706,298**	**2,718,538**
CAR	52,360	67,535	67,345	70,427	84,569	83,153	82,135
ILOCOS REGION	168,440	178,285	231,746	229,565	233,820	232,722	234,561
CAGAYAN VALLEY	292,470	345,318	407,540	416,441	423,601	394,857	394,449
CENTRAL LUZON	403,040	447,838	454,508	461,473	465,258	466,138	482,850
CALABARZON	100,830	88,786	97,677	93,469	88,375	84,057	84,049
MIMAROPA	92,820	116,940	129,758	134,619	132,611	134,053	138,986
BICOL REGION	167,970	178,704	178,060	174,190	172,593	165,833	170,075
WESTERN VISAYAS	155,170	224,730	291,955	294,119	282,056	294,314	294,302
CENTRAL VISAYAS	56,450	40,270	42,130	43,457	46,112	42,250	47,236
EASTERN VISAYAS	71,120	90,383	97,383	94,924	102,363	103,466	103,708
ZAMBOANGA PENINSULA	64,650	62,535	72,942	90,108	88,492	92,854	91,473
NORTHERN MINDANAO	95,300	120,997	123,965	130,047	130,213	127,485	121,747
DAVAO REGION	100,220	90,293	85,188	88,143	88,508	92,865	93,891
SOCCSKSARGEN	113,550	166,769	266,190	261,207	260,139	256,459	250,838
CARAGA	49,260	76,113	74,205	77,682	78,989	79,671	76,870
ARMM	26,280	38,877	44,037	43,483	49,177	56,121	51,368
YIELD PER HECTARE (mt)							
PHILIPPINES	**3.29**	**3.26**	**3.35**	**3.48**	**3.59**	**3.68**	**3.77**
CAR	2.82	2.65	3.05	3.19	3.37	3.32	3.31
ILOCOS REGION	2.83	3.02	3.47	3.72	3.72	3.67	3.87
CAGAYAN VALLEY	3.68	3.63	3.81	3.89	3.87	3.96	3.92
CENTRAL LUZON	3.69	3.35	3.64	3.71	4.01	4.12	4.34
CALABARZON	3.10	2.87	3.59	3.50	3.68	3.58	3.60
MIMAROPA	2.83	2.89	3.23	3.31	3.28	3.43	3.50
BICOL REGION	3.03	2.49	2.68	2.63	2.78	3.14	3.13
WESTERN VISAYAS	2.90	3.33	3.16	3.32	3.35	3.37	3.53
CENTRAL VISAYAS	2.23	2.88	2.76	2.84	2.99	3.10	3.03
EASTERN VISAYAS	2.62	2.93	3.14	3.31	3.39	3.67	4.00
ZAMBOANGA PENINSULA	3.33	3.46	2.93	3.35	3.24	3.63	3.77
NORTHERN MINDANAO	3.51	3.88	3.53	3.55	3.72	3.80	3.73
DAVAO REGION	4.12	3.80	4.01	4.00	4.10	4.27	4.34
SOCCSKSARGEN	3.45	3.55	2.96	3.41	3.54	3.55	3.55
CARAGA	2.84	3.04	2.73	2.85	3.01	2.99	3.26
ARMM	2.93	2.71	2.84	3.04	3.42	3.25	3.12

TABLE 2.3 RAINFED PALAY: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003
PRODUCTION (mt)							
PHILIPPINES	**2,714,450**	**2,942,094**	**2,868,743**	**2,976,736**	**3,164,610**	**3,321,480**	**3,249,661**
CAR	17,989	14,319	15,674	31,501	29,112	28,030	28,641
ILOCOS REGION	370,678	348,200	278,042	355,027	358,349	367,694	395,462
CAGAYAN VALLEY	87,801	95,092	154,813	166,933	172,321	142,292	118,501
CENTRAL LUZON	478,327	319,739	260,151	248,119	307,604	320,550	299,553
CALABARZON	108,692	79,858	76,889	49,759	70,735	76,979	74,082
MIMAROPA	220,478	255,181	290,249	313,708	311,020	340,403	331,100
BICOL REGION	178,243	153,126	243,102	213,410	217,284	235,783	227,877
WESTERN VISAYAS	436,233	543,629	609,373	631,565	643,772	741,657	729,527
CENTRAL VISAYAS	57,294	114,943	92,006	91,668	87,144	87,787	49,982
EASTERN VISAYAS	151,157	181,108	200,165	203,139	218,451	242,232	259,045
ZAMBOANGA PENINSULA	127,721	126,746	108,134	141,871	144,398	167,911	179,645
NORTHERN MINDANAO	30,948	41,368	42,054	37,810	47,029	47,973	35,602
DAVAO REGION	102,730	38,329	44,874	35,281	39,474	43,578	52,050
SOCCSKSARGEN	125,674	234,955	152,511	154,856	142,688	149,522	135,219
CARAGA	86,199	170,979	77,339	86,612	98,926	88,640	94,410
ARMM	134,286	224,522	223,367	215,477	276,303	240,449	238,965
AREA (ha)							
PHILIPPINES	**1,308,790**	**1,424,318**	**1,335,210**	**1,334,731**	**1,338,565**	**1,340,020**	**1,287,883**
CAR	12,210	8,852	7,218	14,657	13,448	13,078	12,296
ILOCOS REGION	138,050	144,679	102,145	121,652	118,971	121,406	119,799
CAGAYAN VALLEY	55,180	57,793	76,127	76,492	75,328	66,057	55,930
CENTRAL LUZON	135,950	120,244	95,512	90,788	92,712	88,738	86,879
CALABARZON	65,570	53,634	46,447	34,338	40,356	40,311	39,013
MIMAROPA	104,540	130,288	116,542	122,616	122,409	120,825	115,689
BICOL REGION	107,700	102,559	123,870	115,630	113,324	110,138	107,061
WESTERN VISAYAS	218,220	243,560	281,661	278,558	277,177	290,593	283,869
CENTRAL VISAYAS	57,020	72,360	55,292	57,736	52,360	54,268	32,662
EASTERN VISAYAS	128,990	116,105	123,755	124,073	126,961	124,790	124,813
ZAMBOANGA PENINSULA	59,490	57,086	54,169	61,466	59,954	59,012	63,647
NORTHERN MINDANAO	17,480	18,614	16,371	14,173	15,994	17,462	13,719
DAVAO REGION	35,740	20,678	18,020	16,205	17,448	18,854	19,886
SOCCSKSARGEN	54,230	87,563	70,463	60,299	54,749	58,173	55,405
CARAGA	36,710	70,217	37,720	39,603	41,666	38,363	37,051
ARMM	81,710	120,086	109,898	106,445	115,708	117,952	120,164
YIELD PER HECTARE (mt)							
PHILIPPINES	**2.07**	**2.07**	**2.15**	**2.23**	**2.36**	**2.48**	**2.52**
CAR	1.47	1.62	2.17	2.15	2.16	2.14	2.33
ILOCOS REGION	2.69	2.41	2.72	2.92	3.01	3.03	3.30
CAGAYAN VALLEY	1.59	1.65	2.03	2.18	2.29	2.15	2.12
CENTRAL LUZON	3.52	2.66	2.72	2.73	3.32	3.61	3.45
CALABARZON	1.66	1.49	1.66	1.45	1.75	1.91	1.90
MIMAROPA	2.11	1.96	2.49	2.56	2.54	2.82	2.86
BICOL REGION	1.65	1.49	1.96	1.85	1.92	2.14	2.13
WESTERN VISAYAS	2.00	2.23	2.16	2.27	2.32	2.55	2.57
CENTRAL VISAYAS	1.00	1.59	1.66	1.59	1.66	1.62	1.53
EASTERN VISAYAS	1.17	1.56	1.62	1.64	1.72	1.94	2.08
ZAMBOANGA PENINSULA	2.15	2.22	2.00	2.31	2.41	2.85	2.82
NORTHERN MINDANAO	1.77	2.22	2.57	2.67	2.94	2.75	2.60
DAVAO REGION	2.87	1.85	2.49	2.18	2.26	2.31	2.62
SOCCSKSARGEN	2.32	2.68	2.16	2.57	2.61	2.57	2.44
CARAGA	2.35	2.44	2.05	2.19	2.37	2.31	2.55
ARMM	1.64	1.87	2.03	2.02	2.39	2.04	1.99

TABLE 2.4 CORN: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003
PRODUCTION (mt)							
PHILIPPINES	**4,853,891**	**4,128,510**	**4,584,593**	**4,511,104**	**4,525,012**	**4,319,262**	**4,615,625**
CAR	25,055	35,774	67,005	72,415	93,552	93,611	84,162
ILOCOS REGION	87,933	134,511	180,706	173,446	182,666	182,061	196,679
CAGAYAN VALLEY	550,840	604,870	1,029,863	951,904	907,177	832,411	824,053
CENTRAL LUZON	17,336	37,111	77,459	77,298	114,065	122,546	143,619
CALABARZON	176,215	46,368	40,821	41,308	42,297	41,309	42,772
MIMAROPA	43,381	72,210	55,812	56,526	58,755	62,005	59,359
BICOL REGION	150,317	114,611	83,541	62,787	62,842	73,963	66,361
WESTERN VISAYAS	34,353	57,600	68,510	80,340	75,540	87,065	128,728
CENTRAL VISAYAS	296,420	148,743	138,618	137,536	154,011	166,960	192,061
EASTERN VISAYAS	220,442	47,198	45,813	46,306	47,525	49,651	51,835
ZAMBOANGA PENINSULA	240,786	195,621	122,306	123,233	134,309	135,072	176,287
NORTHERN MINDANAO	470,623	814,867	776,819	777,828	798,733	701,211	817,182
DAVAO REGION	266,914	160,109	145,814	151,307	148,406	181,947	214,344
SOCCSKSARGEN	1,728,958	1,039,054	1,028,086	990,300	919,042	885,055	870,124
CARAGA	81,406	55,371	37,434	70,959	67,747	68,043	74,545
ARMM	462,912	564,492	685,986	697,611	718,345	636,352	673,514
AREA (ha)							
PHILIPPINES	**3,819,560**	**2,692,332**	**2,642,208**	**2,510,342**	**2,486,588**	**2,395,456**	**2,409,828**
CAR	22,300	22,716	27,520	27,337	33,058	32,954	31,211
ILOCOS REGION	79,030	52,810	59,121	52,490	51,590	52,869	53,837
CAGAYAN VALLEY	347,390	250,009	331,367	294,546	293,385	273,562	247,142
CENTRAL LUZON	12,790	17,509	25,677	24,517	31,841	33,739	36,823
CALABARZON	205,360	44,137	36,110	36,757	36,520	35,403	36,480
MIMAROPA	31,770	42,701	32,995	33,369	31,090	31,318	28,266
BICOL REGION	193,510	119,125	96,240	81,124	84,529	88,429	81,762
WESTERN VISAYAS	63,070	69,580	72,486	81,813	75,067	77,440	81,827
CENTRAL VISAYAS	551,150	265,783	229,944	228,981	238,438	241,833	244,699
EASTERN VISAYAS	231,430	62,446	58,719	58,303	57,687	57,415	56,969
ZAMBOANGA PENINSULA	276,570	196,028	197,756	173,562	175,261	176,155	184,992
NORTHERN MINDANAO	342,500	424,928	399,866	384,388	377,933	339,707	377,276
DAVAO REGION	284,990	218,380	183,108	181,340	177,217	189,582	195,783
SOCCSKSARGEN	800,970	534,904	515,749	472,694	445,148	433,379	421,326
CARAGA	69,350	57,946	41,068	49,713	47,782	51,357	49,839
ARMM	307,380	313,330	334,482	329,408	330,042	280,314	281,596
YIELD PER HECTARE (mt)							
PHILIPPINES	**1.27**	**1.53**	**1.74**	**1.80**	**1.82**	**1.80**	**1.92**
CAR	1.12	1.57	2.43	2.65	2.83	2.84	2.70
ILOCOS REGION	1.11	2.55	3.06	3.30	3.54	3.44	3.65
CAGAYAN VALLEY	1.59	2.42	3.11	3.23	3.09	3.04	3.33
CENTRAL LUZON	1.36	2.12	3.02	3.15	3.58	3.63	3.90
CALABARZON	0.86	1.05	1.13	1.12	1.16	1.17	1.17
MIMAROPA	1.37	1.69	1.69	1.69	1.89	1.98	2.10
BICOL REGION	0.78	0.96	0.87	0.77	0.74	0.84	0.81
WESTERN VISAYAS	0.54	0.83	0.95	0.98	1.01	1.12	1.57
CENTRAL VISAYAS	0.54	0.56	0.60	0.60	0.65	0.69	0.78
EASTERN VISAYAS	0.95	0.76	0.78	0.79	0.82	0.86	0.91
ZAMBOANGA PENINSULA	0.87	1.00	0.62	0.71	0.77	0.77	0.95
NORTHERN MINDANAO	1.37	1.92	1.94	2.02	2.11	2.06	2.17
DAVAO REGION	0.94	0.73	0.80	0.83	0.84	0.96	1.09
SOCCSKSARGEN	2.16	1.94	1.99	2.10	2.06	2.04	2.07
CARAGA	1.17	0.96	0.91	1.43	1.42	1.32	1.50
ARMM	1.51	1.80	2.05	2.12	2.18	2.27	2.39

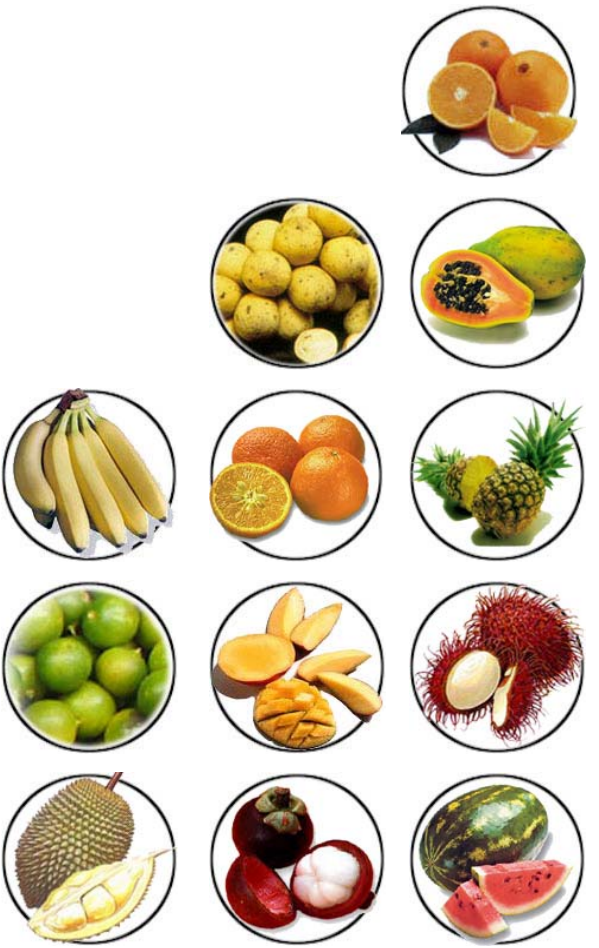
TABLE 2.5 WHITE CORN: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003
PRODUCTION (mt)							
PHILIPPINES	**2,965,557**	**1,862,423**	**1,823,834**	**1,889,338**	**1,917,654**	**1,796,929**	**2,052,684**
CAR	11,305	11,654	24,035	21,391	20,710	21,650	20,109
ILOCOS REGION	14,482	13,889	39,710	40,073	37,335	41,296	41,543
CAGAYAN VALLEY	107,642	30,441	69,951	50,316	43,797	42,000	59,588
CENTRAL LUZON	5,814	4,720	6,732	6,910	8,320	10,767	13,983
CALABARZON	106,339	4,057	4,160	3,879	4,714	7,261	13,781
MIMAROPA	1,355	1,983	4,243	3,708	3,752	4,219	4,854
BICOL REGION	33,385	21,209	20,864	20,974	22,932	22,448	24,360
WESTERN VISAYAS	8,027	18,547	27,512	36,042	31,765	34,588	39,453
CENTRAL VISAYAS	277,008	138,880	131,686	130,630	145,680	154,887	174,840
EASTERN VISAYAS	220,442	45,556	43,878	44,282	45,439	47,501	49,555
ZAMBOANGA PENINSULA	235,323	189,042	119,685	120,754	131,256	131,671	168,203
NORTHERN MINDANAO	292,068	420,546	378,919	366,227	395,886	343,931	386,088
DAVAO REGION	262,354	136,620	134,969	142,163	136,443	155,229	169,464
SOCCSKSARGEN	1,003,337	379,577	360,690	392,268	385,789	338,403	390,892
CARAGA	81,406	53,728	34,186	64,699	60,641	58,298	61,142
ARMM	305,270	391,974	422,614	445,022	443,195	382,780	434,829
AREA (ha)							
PHILIPPINES	**2,738,540**	**1,670,318**	**1,607,755**	**1,573,408**	**1,565,112**	**1,503,118**	**1,564,943**
CAR	12,890	10,597	14,497	12,837	12,138	12,979	12,795
ILOCOS REGION	25,360	12,200	18,403	16,831	15,266	17,382	17,198
CAGAYAN VALLEY	119,720	25,495	40,452	30,286	27,984	26,896	28,496
CENTRAL LUZON	6,640	5,781	6,091	5,992	7,356	8,196	8,917
CALABARZON	132,530	5,755	4,759	4,889	5,396	7,874	12,895
MIMAROPA	2,700	2,483	4,381	4,093	3,714	3,878	4,442
BICOL REGION	67,380	44,878	46,250	48,346	50,665	49,401	52,187
WESTERN VISAYAS	22,190	30,265	37,678	44,924	40,667	40,038	40,722
CENTRAL VISAYAS	515,520	248,788	219,280	218,163	228,413	230,827	233,892
EASTERN VISAYAS	231,430	60,801	56,838	56,366	55,732	55,429	54,941
ZAMBOANGA PENINSULA	271,670	191,170	195,615	171,710	173,002	173,954	181,222
NORTHERN MINDANAO	257,680	286,329	262,122	250,405	258,650	228,063	251,230
DAVAO REGION	281,450	201,690	175,336	175,520	170,232	176,786	176,952
SOCCSKSARGEN	509,300	244,424	231,169	231,402	224,260	211,883	225,486
CARAGA	69,350	56,446	39,117	47,187	45,234	48,282	45,934
ARMM	212,730	243,216	255,767	254,457	246,403	211,250	217,634
YIELD PER HECTARE (mt)							
PHILIPPINES	**1.08**	**1.12**	**1.13**	**1.20**	**1.23**	**1.20**	**1.31**
CAR	0.88	1.10	1.66	1.67	1.71	1.67	1.57
ILOCOS REGION	0.57	1.14	2.16	2.38	2.45	2.38	2.42
CAGAYAN VALLEY	0.90	1.19	1.73	1.66	1.57	1.56	2.09
CENTRAL LUZON	0.88	0.82	1.11	1.15	1.13	1.31	1.57
CALABARZON	0.80	0.70	0.87	0.79	0.87	0.92	1.07
MIMAROPA	0.50	0.80	0.97	0.91	1.01	1.09	1.09
BICOL REGION	0.50	0.47	0.45	0.43	0.45	0.45	0.47
WESTERN VISAYAS	0.36	0.61	0.73	0.80	0.78	0.86	0.97
CENTRAL VISAYAS	0.54	0.56	0.60	0.60	0.64	0.67	0.75
EASTERN VISAYAS	0.95	0.75	0.77	0.79	0.82	0.86	0.90
ZAMBOANGA PENINSULA	0.87	0.99	0.61	0.70	0.76	0.76	0.93
NORTHERN MINDANAO	1.13	1.47	1.45	1.46	1.53	1.51	1.54
DAVAO REGION	0.93	0.68	0.77	0.81	0.80	0.88	0.96
SOCCSKSARGEN	1.97	1.55	1.56	1.70	1.72	1.60	1.73
CARAGA	1.17	0.95	0.87	1.37	1.34	1.21	1.33
ARMM	1.44	1.61	1.65	1.75	1.80	1.81	2.00

TABLE 2.6 YELLOW CORN: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003
PRODUCTION (mt)							
PHILIPPINES	**1,888,334**	**2,266,087**	**2,760,759**	**2,621,766**	**2,607,358**	**2,522,333**	**2,562,941**
CAR	13,750	24,120	42,970	51,024	72,842	71,961	64,053
ILOCOS REGION	73,451	120,622	140,996	133,373	145,331	140,765	155,136
CAGAYAN VALLEY	443,198	574,429	959,912	901,588	863,380	790,411	764,465
CENTRAL LUZON	11,522	32,391	70,727	70,388	105,745	111,779	129,636
CALABARZON	69,876	42,311	36,661	37,429	37,583	34,048	28,991
MIMAROPA	42,026	70,227	51,569	52,818	55,003	57,786	54,505
BICOL REGION	116,932	93,402	62,677	41,813	39,910	51,515	42,001
WESTERN VISAYAS	26,326	39,053	40,998	44,298	43,775	52,477	89,275
CENTRAL VISAYAS	19,412	9,863	6,932	6,906	8,331	12,073	17,221
EASTERN VISAYAS	-	1,642	1,935	2,024	2,086	2,150	2,280
ZAMBOANGA PENINSULA	5,463	6,579	2,621	2,479	3,053	3,401	8,084
NORTHERN MINDANAO	178,555	394,321	397,900	411,601	402,847	357,280	431,094
DAVAO REGION	4,560	23,489	10,845	9,144	11,963	26,718	44,880
SOCCSKSARGEN	725,621	659,477	667,396	598,032	533,253	546,652	479,232
CARAGA	-	1,643	3,248	6,260	7,106	9,745	13,403
ARMM	157,642	172,518	263,372	252,589	275,150	253,572	238,685
AREA (ha)							
PHILIPPINES	**1,081,020**	**1,022,014**	**1,034,453**	**936,934**	**921,476**	**892,338**	**844,885**
CAR	9,410	12,119	13,023	14,500	20,920	19,975	18,416
ILOCOS REGION	53,670	40,610	40,718	35,659	36,324	35,487	36,639
CAGAYAN VALLEY	227,670	224,514	290,915	264,260	265,401	246,666	218,646
CENTRAL LUZON	6,150	11,728	19,586	18,525	24,485	25,543	27,906
CALABARZON	72,830	38,382	31,351	31,868	31,124	27,529	23,585
MIMAROPA	29,070	40,218	28,614	29,276	27,376	27,440	23,824
BICOL REGION	126,130	74,247	49,990	32,778	33,864	39,028	29,575
WESTERN VISAYAS	40,880	39,315	34,808	36,889	34,400	37,402	41,105
CENTRAL VISAYAS	35,630	16,995	10,664	10,818	10,025	11,006	10,807
EASTERN VISAYAS	-	1,645	1,881	1,937	1,955	1,986	2,028
ZAMBOANGA PENINSULA	4,900	4,858	2,141	1,852	2,259	2,201	3,770
NORTHERN MINDANAO	84,820	138,599	137,744	133,983	119,283	111,644	126,046
DAVAO REGION	3,540	16,690	7,772	5,820	6,985	12,796	18,831
SOCCSKSARGEN	291,670	290,480	284,580	241,292	220,888	221,496	195,840
CARAGA	-	1,500	1,951	2,526	2,548	3,075	3,905
ARMM	94,650	70,114	78,715	74,951	83,639	69,064	63,962
YIELD PER HECTARE (mt)							
PHILIPPINES	**1.75**	**2.22**	**2.67**	**2.80**	**2.83**	**2.83**	**3.03**
CAR	1.46	1.99	3.30	3.52	3.48	3.60	3.48
ILOCOS REGION	1.37	2.97	3.46	3.74	4.00	3.97	4.23
CAGAYAN VALLEY	1.95	2.56	3.30	3.41	3.25	3.20	3.50
CENTRAL LUZON	1.87	2.76	3.61	3.80	4.32	4.38	4.65
CALABARZON	0.96	1.10	1.17	1.17	1.21	1.24	1.23
MIMAROPA	1.45	1.75	1.80	1.80	2.01	2.11	2.29
BICOL REGION	0.93	1.26	1.25	1.28	1.18	1.32	1.42
WESTERN VISAYAS	0.64	0.99	1.18	1.20	1.27	1.40	2.17
CENTRAL VISAYAS	0.54	0.58	0.65	0.64	0.83	1.10	1.59
EASTERN VISAYAS		1.00	1.03	1.04	1.07	1.08	1.12
ZAMBOANGA PENINSULA	1.11	1.35	1.22	1.34	1.35	1.55	2.14
NORTHERN MINDANAO	2.11	2.85	2.89	3.07	3.38	3.20	3.42
DAVAO REGION	1.29	1.41	1.40	1.57	1.71	2.09	2.38
SOCCSKSARGEN	2.49	2.27	2.35	2.48	2.41	2.47	2.45
CARAGA		1.10	1.66	2.48	2.79	3.17	3.43
ARMM	1.67	2.46	3.35	3.37	3.29	3.67	3.73

III. FRUITS



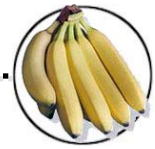


TABLE 3.1 BANANA: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**3,539,616**	**4,236,253**	**4,570,640**	**4,929,570**	**5,059,360**	**5,274,826**	**5,368,977**
CAR	23,708	24,835	24,794	24,751	22,522	22,072	22,337
ILOCOS REGION	34,615	30,926	31,303	32,489	33,245	32,963	33,162
CAGAYAN VALLEY	199,456	271,307	246,662	271,437	265,199	270,778	231,137
CENTRAL LUZON	35,757	40,094	42,216	44,086	46,249	46,383	44,128
CALABARZON	106,039	119,723	138,881	150,688	139,369	142,046	144,145
MIMAROPA	113,149	119,631	157,745	159,971	159,545	160,160	169,418
BICOL REGION	97,725	69,920	62,117	66,950	63,249	69,380	74,478
WESTERN VISAYAS	269,557	240,569	243,483	254,501	256,146	254,640	254,143
CENTRAL VISAYAS	169,773	165,992	175,366	182,350	165,931	163,376	167,709
EASTERN VISAYAS	209,189	217,334	207,197	224,233	226,987	230,121	233,629
ZAMBOANGA PENINSULA	163,479	185,200	151,661	159,603	162,069	170,865	168,019
NORTHERN MINDANAO	273,503	351,774	468,990	488,434	518,596	534,815	515,502
DAVAO REGION	1,045,107	1,590,395	1,753,361	1,920,759	2,015,732	2,081,419	2,149,556
SOCCSKSARGEN	343,474	335,348	361,935	401,210	429,480	522,746	582,088
CARAGA	266,238	247,480	192,158	197,289	197,848	197,912	203,180
ARMM	188,847	225,724	312,770	350,820	357,193	375,150	376,346
AREA (ha)							
PHILIPPINES	**311,819**	**339,398**	**372,127**	**382,491**	**386,703**	**398,005**	**409,831**
CAR	3,031	3,400	3,293	3,412	3,315	3,275	3,318
ILOCOS REGION	9,051	8,951	7,540	7,540	7,559	7,591	7,738
CAGAYAN VALLEY	24,827	27,579	26,419	26,298	26,348	26,572	26,496
CENTRAL LUZON	5,217	5,698	6,404	6,261	6,294	6,358	6,336
CALABARZON	30,495	33,528	36,764	36,774	36,849	36,492	36,439
MIMAROPA	13,886	15,256	22,295	22,147	22,141	22,182	28,214
BICOL REGION	17,737	17,145	19,137	19,408	19,304	19,762	19,796
WESTERN VISAYAS	34,395	33,374	34,274	34,292	34,609	34,630	34,663
CENTRAL VISAYAS	18,078	18,340	19,352	19,793	19,844	20,733	20,819
EASTERN VISAYAS	24,748	25,397	25,438	27,250	27,778	27,901	27,941
ZAMBOANGA PENINSULA	15,022	16,304	17,242	16,833	17,478	19,691	20,126
NORTHERN MINDANAO	18,719	23,019	31,467	34,287	34,621	35,171	35,544
DAVAO REGION	32,050	45,788	51,576	54,470	56,280	58,237	61,535
SOCCSKSARGEN	18,609	16,278	17,506	19,178	19,403	23,036	23,255
CARAGA	25,664	26,153	26,985	27,000	27,208	26,988	27,035
ARMM	20,289	23,188	26,435	27,548	27,672	29,386	30,576
YIELD PER HECTARE (mt)							
PHILIPPINES	**11.35**	**12.48**	**12.28**	**12.89**	**13.08**	**13.25**	**13.10**
CAR	7.82	7.30	7.53	7.25	6.79	6.74	6.73
ILOCOS REGION	3.82	3.46	4.15	4.31	4.40	4.34	4.29
CAGAYAN VALLEY	8.03	9.84	9.34	10.32	10.07	10.19	8.72
CENTRAL LUZON	6.85	7.04	6.59	7.04	7.35	7.30	6.96
CALABARZON	3.48	3.57	3.78	4.10	3.78	3.89	3.96
MIMAROPA	8.15	7.84	7.08	7.22	7.21	7.22	6.00
BICOL REGION	5.51	4.08	3.25	3.45	3.28	3.51	3.76
WESTERN VISAYAS	7.84	7.21	7.10	7.42	7.40	7.35	7.33
CENTRAL VISAYAS	9.39	9.05	9.06	9.21	8.36	7.88	8.06
EASTERN VISAYAS	8.45	8.56	8.15	8.23	8.17	8.25	8.36
ZAMBOANGA PENINSULA	10.88	11.36	8.80	9.48	9.27	8.68	8.35
NORTHERN MINDANAO	14.61	15.28	14.90	14.25	14.98	15.21	14.50
DAVAO REGION	32.61	34.73	34.00	35.26	35.82	35.74	34.93
SOCCSKSARGEN	18.46	20.60	20.67	20.92	22.13	22.69	25.03
CARAGA	10.37	9.46	7.12	7.31	7.27	7.33	7.52
ARMM	9.31	9.73	11.83	12.73	12.91	12.77	12.31

TABLE 3.1a BANANA: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
BEARING TREES (no.)							
PHILIPPINES	**137,097,761**	**163,136,763**	**175,407,711**	**181,094,490**	**184,908,814**	**193,330,664**	**198,309,967**
CAR	1,290,065	1,502,353	1,564,102	1,450,082	1,389,130	1,351,128	1,381,016
ILOCOS REGION	2,905,779	2,929,009	2,861,296	2,876,524	2,921,161	2,945,676	3,032,185
CAGAYAN VALLEY	18,647,007	23,027,123	22,239,441	20,511,327	20,556,918	20,537,866	20,388,200
CENTRAL LUZON	1,558,389	1,561,323	1,707,198	1,682,001	1,809,147	1,789,892	1,880,508
CALABARZON	7,429,703	8,196,901	9,875,133	10,533,467	10,508,990	10,369,114	10,426,512
MIMAROPA	5,429,357	5,970,463	8,808,045	8,789,492	8,786,191	8,859,742	9,118,931
BICOL REGION	5,139,793	4,831,094	5,424,477	5,661,030	5,470,738	5,802,694	6,426,926
WESTERN VISAYAS	15,117,399	14,425,029	14,706,446	14,794,273	14,904,879	15,118,658	15,118,032
CENTRAL VISAYAS	7,168,214	7,294,430	7,749,566	7,911,998	7,858,249	7,735,668	7,944,612
EASTERN VISAYAS	7,465,054	8,835,672	7,843,415	8,628,332	8,780,722	8,703,107	8,716,449
ZAMBOANGA PENINSULA	4,941,264	5,304,304	5,765,647	5,476,151	5,676,570	6,765,319	6,889,062
NORTHERN MINDANAO	8,860,914	11,280,822	14,579,301	15,419,506	16,522,677	17,223,841	17,365,825
DAVAO REGION	22,224,913	36,338,193	43,743,861	46,913,061	48,668,290	51,077,349	53,173,932
SOCCSKSARGEN	7,171,813	6,850,263	7,411,793	8,373,979	8,730,375	12,144,390	12,445,421
CARAGA	16,393,625	17,837,015	12,524,123	12,585,573	12,466,795	12,243,784	12,257,382
ARMM	5,354,471	6,952,769	8,603,867	9,487,694	9,857,982	10,662,436	11,744,974
PLANTING DENSITY (Btrees/ha)							
PHILIPPINES	**440**	**481**	**471**	**473**	**478**	**486**	**484**
CAR	426	442	475	425	419	413	416
ILOCOS REGION	321	327	379	382	386	388	392
CAGAYAN VALLEY	751	835	842	780	780	773	769
CENTRAL LUZON	299	274	267	269	287	282	297
CALABARZON	244	244	269	286	285	284	286
MIMAROPA	391	391	395	397	397	399	323
BICOL REGION	290	282	283	292	283	294	325
WESTERN VISAYAS	440	432	429	431	431	437	436
CENTRAL VISAYAS	397	398	400	400	396	373	382
EASTERN VISAYAS	302	348	308	317	316	312	312
ZAMBOANGA PENINSULA	329	325	334	325	325	344	342
NORTHERN MINDANAO	473	490	463	450	477	490	489
DAVAO REGION	693	794	848	861	865	877	864
SOCCSKSARGEN	385	421	423	437	450	527	535
CARAGA	639	682	464	466	458	454	453
ARMM	264	300	325	344	356	363	384
YIELD PER BEARING TREE (kg)							
PHILIPPINES	**26**	**26**	**26**	**27**	**27**	**27**	**27**
CAR	18	17	16	17	16	16	16
ILOCOS REGION	12	11	11	11	11	11	11
CAGAYAN VALLEY	11	12	11	13	13	13	11
CENTRAL LUZON	23	26	25	26	26	26	23
CALABARZON	14	15	14	14	13	14	14
MIMAROPA	21	20	18	18	18	18	19
BICOL REGION	19	14	11	12	12	12	12
WESTERN VISAYAS	18	17	17	17	17	17	17
CENTRAL VISAYAS	24	23	23	23	21	21	21
EASTERN VISAYAS	28	25	26	26	26	26	27
ZAMBOANGA PENINSULA	33	35	26	29	29	25	24
NORTHERN MINDANAO	31	31	32	32	31	31	30
DAVAO REGION	47	44	40	41	41	41	40
SOCCSKSARGEN	48	49	49	48	49	43	47
CARAGA	16	14	15	16	16	16	17
ARMM	35	32	36	37	36	35	32

TABLE 3.2 CALAMANSI: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**154,728**	**161,454**	**178,005**	**180,844**	**181,747**	**180,999**	**180,907**
CAR	501	559	534	530	512	485	479
ILOCOS REGION	2,604	1,924	2,304	2,099	2,189	2,236	2,290
CAGAYAN VALLEY	1,313	2,564	4,263	5,337	5,413	5,780	5,401
CENTRAL LUZON	6,778	7,909	7,527	8,418	8,319	8,346	8,324
CALABARZON	11,522	15,524	14,463	15,665	17,505	17,447	17,504
MIMAROPA	109,328	106,908	116,826	114,501	111,544	109,024	108,184
BICOL REGION	5,116	4,055	2,752	2,159	2,161	2,318	2,261
WESTERN VISAYAS	4,743	5,039	6,515	6,829	7,312	7,130	7,183
CENTRAL VISAYAS	1,836	1,900	1,499	1,974	1,969	1,977	1,899
EASTERN VISAYAS	1,232	1,759	1,529	2,084	2,194	2,305	2,398
ZAMBOANGA PENINSULA	1,446	2,109	2,407	2,558	2,752	2,839	2,915
NORTHERN MINDANAO	589	891	1,076	1,102	1,114	1,130	1,157
DAVAO REGION	3,216	4,369	7,927	8,476	8,835	9,203	9,582
SOCCSKSARGEN	2,470	3,601	4,172	4,380	4,844	5,588	5,704
CARAGA	1,180	1,332	3,260	3,825	4,192	4,282	4,485
ARMM	853	1,012	953	908	893	908	1,140
AREA (ha)							
PHILIPPINES	**14,761**	**16,972**	**18,776**	**19,418**	**19,668**	**19,781**	**19,947**
CAR	63	58	64	64	65	67	71
ILOCOS REGION	1,152	865	923	923	930	948	974
CAGAYAN VALLEY	382	940	970	970	970	973	981
CENTRAL LUZON	813	972	1,121	1,140	1,141	1,150	1,155
CALABARZON	1,482	1,470	1,529	1,589	1,589	1,597	1,598
MIMAROPA	7,119	7,477	7,901	7,903	7,909	7,912	7,916
BICOL REGION	1,034	1,253	1,141	1,222	1,223	1,170	1,149
WESTERN VISAYAS	712	950	945	946	949	952	957
CENTRAL VISAYAS	203	227	234	243	243	249	249
EASTERN VISAYAS	161	154	156	158	162	164	166
ZAMBOANGA PENINSULA	144	281	346	348	380	392	424
NORTHERN MINDANAO	128	197	300	325	375	405	407
DAVAO REGION	559	923	1,317	1,617	1,737	1,818	1,907
SOCCSKSARGEN	363	467	605	745	762	759	758
CARAGA	322	616	1,078	1,078	1,080	1,076	1,083
ARMM	124	122	146	147	153	149	152
YIELD PER HECTARE (mt)							
PHILIPPINES	**10.48**	**9.51**	**9.48**	**9.31**	**9.24**	**9.15**	**9.07**
CAR	7.96	9.64	8.34	8.28	7.86	7.23	6.75
ILOCOS REGION	2.26	2.22	2.50	2.27	2.35	2.36	2.35
CAGAYAN VALLEY	3.44	2.73	4.39	5.50	5.58	5.94	5.51
CENTRAL LUZON	8.34	8.14	6.71	7.39	7.29	7.26	7.21
CALABARZON	7.77	10.56	9.46	9.86	11.02	10.93	10.95
MIMAROPA	15.36	14.30	14.79	14.49	14.10	13.78	13.67
BICOL REGION	4.95	3.24	2.41	1.77	1.77	1.98	1.97
WESTERN VISAYAS	6.66	5.31	6.89	7.22	7.71	7.49	7.51
CENTRAL VISAYAS	9.04	8.37	6.40	8.12	8.10	7.94	7.63
EASTERN VISAYAS	7.65	11.41	9.80	13.19	13.54	14.06	14.45
ZAMBOANGA PENINSULA	10.04	7.50	6.96	7.35	7.24	7.24	6.88
NORTHERN MINDANAO	4.59	4.52	3.59	3.39	2.97	2.79	2.84
DAVAO REGION	5.75	4.73	6.02	5.24	5.09	5.06	5.02
SOCCSKSARGEN	6.80	7.71	6.90	5.88	6.36	7.36	7.53
CARAGA	3.67	2.16	3.02	3.55	3.88	3.98	4.14
ARMM	6.88	8.30	6.52	6.18	5.84	6.10	7.50

TABLE 3.2a CALAMANSI: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
BEARING TREES (no.)							
PHILIPPINES	**5,804,794**	**6,341,165**	**7,727,358**	**7,888,304**	**8,134,837**	**8,182,385**	**8,278,979**
CAR	21,646	26,969	30,416	31,458	32,382	32,468	33,265
ILOCOS REGION	362,212	291,377	312,791	316,718	321,283	328,327	338,314
CAGAYAN VALLEY	183,574	368,308	525,876	569,261	573,173	575,785	575,003
CENTRAL LUZON	252,926	287,880	352,713	360,708	363,573	367,218	372,530
CALABARZON	646,950	647,443	762,254	796,561	806,507	790,147	794,995
MIMAROPA	2,898,085	2,916,706	3,067,557	3,080,357	3,082,666	3,052,175	3,069,585
BICOL REGION	339,120	344,785	328,802	332,813	327,436	311,419	309,113
WESTERN VISAYAS	327,511	397,993	613,252	614,272	688,766	689,261	693,362
CENTRAL VISAYAS	96,855	101,590	109,484	110,653	110,653	111,934	111,974
EASTERN VISAYAS	47,632	45,965	52,707	53,378	53,884	54,198	54,478
ZAMBOANGA PENINSULA	48,600	66,413	97,500	98,637	106,929	114,494	115,119
NORTHERN MINDANAO	40,036	59,422	87,025	91,022	96,941	117,774	121,799
DAVAO REGION	254,203	431,642	737,381	839,884	887,667	917,219	961,672
SOCCSKSARGEN	156,514	204,230	269,933	214,246	288,946	324,504	329,234
CARAGA	100,630	120,579	348,618	346,570	362,109	362,840	364,035
ARMM	28,300	29,862	31,049	31,765	31,922	32,622	34,501
PLANTING DENSITY (Btrees/ha)							
PHILIPPINES	**393**	**374**	**412**	**406**	**414**	**414**	**415**
CAR	344	465	475	492	497	485	469
ILOCOS REGION	314	337	339	343	345	346	347
CAGAYAN VALLEY	481	392	542	587	591	592	586
CENTRAL LUZON	311	296	315	316	319	319	323
CALABARZON	437	440	499	501	508	495	497
MIMAROPA	407	390	388	390	390	386	388
BICOL REGION	328	275	288	272	268	266	269
WESTERN VISAYAS	460	419	649	649	726	724	725
CENTRAL VISAYAS	477	448	468	455	455	450	450
EASTERN VISAYAS	296	298	338	338	333	330	328
ZAMBOANGA PENINSULA	338	236	282	283	281	292	272
NORTHERN MINDANAO	312	302	290	280	259	291	299
DAVAO REGION	455	468	560	519	511	505	504
SOCCSKSARGEN	431	437	446	288	379	428	434
CARAGA	313	196	323	321	335	337	336
ARMM	228	245	213	216	209	219	227
YIELD PER BEARING TREE (kg)							
PHILIPPINES	**27**	**25**	**23**	**23**	**22**	**22**	**22**
CAR	23	21	18	17	16	15	14
ILOCOS REGION	7	7	7	7	7	7	7
CAGAYAN VALLEY	7	7	8	9	9	10	9
CENTRAL LUZON	27	27	21	23	23	23	22
CALABARZON	18	24	19	20	22	22	22
MIMAROPA	38	37	38	37	36	36	35
BICOL REGION	15	12	8	6	7	7	7
WESTERN VISAYAS	14	13	11	11	11	10	10
CENTRAL VISAYAS	19	19	14	18	18	18	17
EASTERN VISAYAS	26	38	29	39	41	43	44
ZAMBOANGA PENINSULA	30	32	25	26	26	25	25
NORTHERN MINDANAO	15	15	12	12	11	10	9
DAVAO REGION	13	10	11	10	10	10	10
SOCCSKSARGEN	16	18	15	20	17	17	17
CARAGA	12	11	9	11	12	12	12
ARMM	30	34	31	29	28	28	33

TABLE 3.3 DURIAN: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**26,323**	**28,525**	**26,693**	**25,764**	**27,037**	**31,638**	**39,817**
CAR							
ILOCOS REGION							
CAGAYAN VALLEY							
CENTRAL LUZON							
CALABARZON					1	1	5
MIMAROPA			6	6	6	9	9
BICOL REGION							
WESTERN VISAYAS				302	293	293	293
CENTRAL VISAYAS							
EASTERN VISAYAS							
ZAMBOANGA PENINSULA	185	214	194	196	201	249	254
NORTHERN MINDANAO	73	90	570	744	845	935	1,158
DAVAO REGION	6,487	8,045	7,165	7,654	8,979	13,011	19,813
SOCCSKSARGEN	150	141	575	590	784	1,146	1,387
CARAGA	646	500	956	989	1,149	1,114	1,121
ARMM	18,783	19,535	17,227	15,282	14,779	14,880	15,776
AREA (ha)							
PHILIPPINES	**3,436**	**3,756**	**5,947**	**7,010**	**9,591**	**10,266**	**11,524**
CAR							
ILOCOS REGION							
CAGAYAN VALLEY							
CENTRAL LUZON							
CALABARZON				21	22	30	30
MIMAROPA			14	14	13	14	17
BICOL REGION							
WESTERN VISAYAS				58	58	58	58
CENTRAL VISAYAS							
EASTERN VISAYAS							
ZAMBOANGA PENINSULA	73	100	105	121	135	172	185
NORTHERN MINDANAO	33	66	362	453	538	591	643
DAVAO REGION	1,951	2,167	3,324	3,468	4,996	5,515	6,368
SOCCSKSARGEN	114	119	493	935	1,125	1,162	1,440
CARAGA	425	448	572	865	1,619	1,633	1,652
ARMM	840	856	1,077	1,075	1,085	1,091	1,131
YIELD PER HECTARE (mt)							
PHILIPPINES	**7.66**	**7.59**	**4.49**	**3.68**	**2.82**	**3.08**	**3.46**
CAR							
ILOCOS REGION							
CAGAYAN VALLEY							
CENTRAL LUZON							
CALABARZON					0.05	0.04	0.18
MIMAROPA			0.41	0.44	0.50	0.63	0.55
BICOL REGION							
WESTERN VISAYAS				5.20	5.05	5.05	5.05
CENTRAL VISAYAS							
EASTERN VISAYAS							
ZAMBOANGA PENINSULA	2.53	2.14	1.85	1.62	1.49	1.45	1.38
NORTHERN MINDANAO	2.21	1.36	1.57	1.64	1.57	1.58	1.80
DAVAO REGION	3.33	3.71	2.16	2.21	1.80	2.36	3.11
SOCCSKSARGEN	1.32	1.19	1.17	0.63	0.70	0.99	0.96
CARAGA	1.52	1.12	1.67	1.14	0.71	0.68	0.68
ARMM	22.36	22.82	16.00	14.22	13.62	13.64	13.95

TABLE 3.3a DURIAN: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
BEARING TREES (no.)							
PHILIPPINES	**186,158**	**200,937**	**306,292**	**343,642**	**383,388**	**432,308**	**494,161**
CAR							
ILOCOS REGION							
CAGAYAN VALLEY							
CENTRAL LUZON							
CALABARZON				50	55	70	483
MIMAROPA			225	732	707	729	803
BICOL REGION							
WESTERN VISAYAS			4,640	4,640	4,640	4,666	4,666
CENTRAL VISAYAS							
EASTERN VISAYAS							
ZAMBOANGA PENINSULA	3,440	5,370	5,620	7,430	7,690	10,962	10,415
NORTHERN MINDANAO	1,315	2,075	18,441	25,243	28,504	28,626	30,750
DAVAO REGION	114,080	124,405	176,476	200,177	223,450	262,923	316,737
SOCCSKSARGEN	4,920	4,140	12,573	17,565	30,169	34,454	39,585
CARAGA	21,804	22,828	30,563	30,201	30,254	31,055	31,630
ARMM	40,599	42,119	57,754	57,604	57,919	58,823	59,092
PLANTING DENSITY (Btrees/ha)							
PHILIPPINES	**54**	**53**	**52**	**49**	**40**	**42**	**43**
CAR							
ILOCOS REGION							
CAGAYAN VALLEY							
CENTRAL LUZON							
CALABARZON				2	3	2	16
MIMAROPA			16	52	54	52	47
BICOL REGION							
WESTERN VISAYAS				80	80	80	80
CENTRAL VISAYAS							
EASTERN VISAYAS							
ZAMBOANGA PENINSULA	47	54	54	61	57	64	56
NORTHERN MINDANAO	40	31	51	56	53	48	48
DAVAO REGION	58	57	53	58	45	48	50
SOCCSKSARGEN	43	35	26	19	27	30	27
CARAGA	51	51	53	35	19	19	19
ARMM	48	49	54	54	53	54	52
YIELD PER BEARING TREE (kg)							
PHILIPPINES	**141**	**142**	**87**	**75**	**71**	**73**	**81**
CAR							
ILOCOS REGION							
CAGAYAN VALLEY							
CENTRAL LUZON							
CALABARZON					19	15	11
MIMAROPA			25	8	9	12	12
BICOL REGION							
WESTERN VISAYAS				65	63	63	63
CENTRAL VISAYAS							
EASTERN VISAYAS							
ZAMBOANGA PENINSULA	54	40	34	26	26	23	24
NORTHERN MINDANAO	55	43	31	29	30	33	38
DAVAO REGION	57	65	41	38	40	49	63
SOCCSKSARGEN	31	34	46	34	26	33	35
CARAGA	30	22	31	33	38	36	35
ARMM	463	464	298	265	255	253	267

TABLE 3.4 LANZONES: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**168,947**	**113,299**	**48,917**	**43,417**	**45,903**	**47,752**	**51,790**
CAR						6	9
ILOCOS REGION						0.2	0.3
CAGAYAN VALLEY		33	19	8	10	32	95
CENTRAL LUZON	2	3	5	8	9	11	11
CALABARZON	126,372	47,316	1,022	2,578	4,110	3,676	3,663
MIMAROPA	23	31	140	193	190	195	191
BICOL REGION	15	16	13	8	12	12	14
WESTERN VISAYAS	148	180	262	263	302	443	526
CENTRAL VISAYAS	355	459	57	20	99	139	192
EASTERN VISAYAS	226	430	383	383	457	473	741
ZAMBOANGA PENINSULA	3,476	1,672	24	38	602	3,220	966
NORTHERN MINDANAO	4,812	6,887	207	215	697	602	1,523
DAVAO REGION	5,143	7,006	197	327	453	1,512	2,101
SOCCSKSARGEN	271	507	47	395	479	922	1,008
CARAGA	384	606	75	835	814	853	847
ARMM	27,720	48,155	46,466	38,146	37,669	35,657	39,903
AREA (ha)							
PHILIPPINES	**14,046**	**13,942**	**15,037**	**16,131**	**16,557**	**16,786**	**17,037**
CAR						3	4
ILOCOS REGION			1	1	2	3	3
CAGAYAN VALLEY		26	23	23	23	23	23
CENTRAL LUZON	4	10	6	6	6	6	6
CALABARZON	5,950	5,437	4,272	4,322	4,337	4,337	4,337
MIMAROPA	87	122	391	295	297	306	307
BICOL REGION	35	33	35	35	37	37	37
WESTERN VISAYAS	306	334	340	341	341	344	347
CENTRAL VISAYAS	66	67	68	68	68	68	73
EASTERN VISAYAS	106	109	121	121	123	134	134
ZAMBOANGA PENINSULA	342	373	378	368	382	455	483
NORTHERN MINDANAO	788	828	2,105	2,119	2,122	2,183	2,193
DAVAO REGION	1,152	1,282	1,344	1,881	1,920	1,957	2,007
SOCCSKSARGEN	80	146	496	690	786	812	905
CARAGA	130	130	150	554	804	804	829
ARMM	5,000	5,045	5,307	5,307	5,309	5,314	5,349
YIELD PER HECTARE (mt)							
PHILIPPINES	**12.03**	**8.13**	**3.25**	**2.69**	**2.77**	**2.84**	**3.04**
CAR						1.88	2.25
ILOCOS REGION						0.07	0.10
CAGAYAN VALLEY		1.29	0.81	0.36	0.41	1.39	4.12
CENTRAL LUZON	0.45	0.26	0.90	1.35	1.48	1.87	1.89
CALABARZON	21.24	8.70	0.24	0.60	0.95	0.85	0.84
MIMAROPA	0.26	0.25	0.36	0.65	0.64	0.64	0.62
BICOL REGION	0.42	0.49	0.38	0.22	0.32	0.32	0.38
WESTERN VISAYAS	0.49	0.54	0.77	0.77	0.89	1.29	1.52
CENTRAL VISAYAS	5.38	6.85	0.83	0.29	1.46	2.04	2.63
EASTERN VISAYAS	2.14	3.94	3.17	3.17	3.71	3.53	5.53
ZAMBOANGA PENINSULA	10.16	4.48	0.06	0.10	1.58	7.08	2.00
NORTHERN MINDANAO	6.11	8.32	0.10	0.10	0.33	0.28	0.69
DAVAO REGION	4.46	5.46	0.15	0.17	0.24	0.77	1.05
SOCCSKSARGEN	3.39	3.47	0.09	0.57	0.61	1.14	1.11
CARAGA	2.95	4.65	0.50	1.51	1.01	1.06	1.02
ARMM	5.54	9.55	8.76	7.19	7.10	6.71	7.46

TABLE 3.4a LANZONES: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
BEARING TREES (no.)							
PHILIPPINES	**1,638,950**	**1,620,530**	**1,663,626**	**1,808,363**	**1,831,586**	**1,872,041**	**1,831,157**
CAR						200	318
ILOCOS REGION			30	31	36	40	56
CAGAYAN VALLEY		1,264	1,088	1,088	1,095	1,088	1,388
CENTRAL LUZON	250	1,187	1,470	1,470	1,470	1,520	1,570
CALABARZON	653,840	596,488	399,900	419,900	428,878	428,878	428,970
MIMAROPA	5,640	7,810	8,012	8,184	8,189	8,593	8,597
BICOL REGION	5,640	5,515	5,960	6,060	6,200	6,229	6,236
WESTERN VISAYAS	32,235	36,068	36,658	38,036	38,036	40,246	40,627
CENTRAL VISAYAS	11,966	13,055	14,922	14,960	14,962	14,970	15,050
EASTERN VISAYAS	9,440	10,255	10,485	10,485	10,613	10,696	11,074
ZAMBOANGA PENINSULA	44,979	40,140	47,143	46,643	47,917	57,337	56,573
NORTHERN MINDANAO	113,350	118,580	190,549	250,131	262,811	265,502	268,247
DAVAO REGION	145,148	163,072	176,396	239,048	270,046	276,364	286,784
SOCCSKSARGEN	10,362	16,430	22,711	22,800	25,654	44,324	47,684
CARAGA	16,100	17,508	20,980	22,405	22,425	22,440	22,582
ARMM	590,000	593,158	727,322	727,122	693,254	693,614	635,401
PLANTING DENSITY (Btrees/ha)							
PHILIPPINES	**117**	**116**	**111**	**112**	**111**	**112**	**107**
CAR						67	80
ILOCOS REGION			30	31	18	13	19
CAGAYAN VALLEY		49	47	47	48	47	60
CENTRAL LUZON	63	119	245	245	245	253	262
CALABARZON	110	110	94	97	99	99	99
MIMAROPA	65	64	20	28	28	28	28
BICOL REGION	161	167	170	173	168	168	169
WESTERN VISAYAS	105	108	108	112	112	117	117
CENTRAL VISAYAS	181	195	219	220	220	220	206
EASTERN VISAYAS	89	94	87	87	86	80	83
ZAMBOANGA PENINSULA	132	108	125	127	125	126	117
NORTHERN MINDANAO	144	143	91	118	124	122	122
DAVAO REGION	126	127	131	127	141	141	143
SOCCSKSARGEN	130	113	46	33	33	55	53
CARAGA	124	134	140	40	28	28	27
ARMM	118	118	137	137	131	131	119
YIELD PER BEARING TREE (kg)							
PHILIPPINES	**103**	**70**	**29**	**24**	**25**	**26**	**28**
CAR						28	28
ILOCOS REGION						5	5
CAGAYAN VALLEY		26	17	8	9	29	68
CENTRAL LUZON	7	2	4	6	6	7	7
CALABARZON	193	79	3	6	10	9	9
MIMAROPA	4	4	17	24	23	23	22
BICOL REGION	3	3	2	1	2	2	2
WESTERN VISAYAS	5	5	7	7	8	11	13
CENTRAL VISAYAS	30	35	4	1	7	9	13
EASTERN VISAYAS	24	42	37	37	43	44	67
ZAMBOANGA PENINSULA	77	42	1	1	13	56	17
NORTHERN MINDANAO	42	58	1	1	3	2	6
DAVAO REGION	35	43	1	1	2	5	7
SOCCSKSARGEN	26	31	2	17	19	21	21
CARAGA	24	35	4	37	36	38	38
ARMM	47	81	64	52	54	51	63

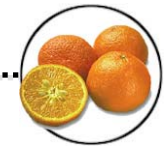


TABLE 3.5 MANDARIN: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**22,532**	**20,657**	**24,378**	**19,084**	**19,626**	**20,424**	**20,264**
CAR	235	303	812	813	891	887	876
ILOCOS REGION	12	13	12	12	12	10	10
CAGAYAN VALLEY	196	194	3,171	3,287	3,084	3,468	3,422
CENTRAL LUZON	15	13	1,146	763	930	1,198	1,091
CALABARZON	6,358	6,379	6,500	6,829	7,308	7,266	7,188
MIMAROPA	23	45	380	393	383	384	402
BICOL REGION	1,301	1,380	1,035	701	771	863	933
WESTERN VISAYAS	105	99	70	69	69	66	65
CENTRAL VISAYAS	192	165	173	173	173	164	160
EASTERN VISAYAS	38	27	10	10	10	18	19
ZAMBOANGA PENINSULA	24	24	11	3	4	9	7
NORTHERN MINDANAO	69	50	128	103	106	112	107
DAVAO REGION	4,845	4,846	3,799	4,006	4,054	4,059	4,003
SOCCSKSARGEN	192	119	68	71	69	70	71
CARAGA	145	145	165	6	6	6	6
ARMM	8,780	6,855	6,899	1,843	1,755	1,843	1,903
AREA (ha)							
PHILIPPINES	**8,735**	**7,675**	**9,062**	**9,135**	**9,151**	**9,114**	**9,082**
CAR	91	96	93	117	117	117	119
ILOCOS REGION	10	10	15	15	16	15	16
CAGAYAN VALLEY	33	32	529	627	627	627	630
CENTRAL LUZON	12	7	463	469	479	509	509
CALABARZON	3,394	2,239	2,331	2,327	2,329	2,255	2,240
MIMAROPA	18	18	692	693	692	693	694
BICOL REGION	1,333	1,248	1,923	1,943	1,944	1,944	1,942
WESTERN VISAYAS	59	50	41	41	42	42	43
CENTRAL VISAYAS	41	41	40	40	40	40	40
EASTERN VISAYAS	38	35	35	36	35	35	35
ZAMBOANGA PENINSULA	6	8	13	11	11	7	8
NORTHERN MINDANAO	37	29	45	36	38	40	40
DAVAO REGION	1,543	1,860	848	782	778	776	777
SOCCSKSARGEN	41	25	10	13	17	28	28
CARAGA	39	36	30	30	30	30	10
ARMM	2,040	1,941	1,954	1,956	1,956	1,956	1,951
YIELD PER HECTARE (mt)							
PHILIPPINES	**2.58**	**2.69**	**2.69**	**2.09**	**2.14**	**2.24**	**2.23**
CAR	2.58	3.15	8.73	6.98	7.65	7.59	7.36
ILOCOS REGION	1.24	1.32	0.78	0.80	0.78	0.69	0.60
CAGAYAN VALLEY	5.95	6.07	5.99	5.24	4.92	5.53	5.43
CENTRAL LUZON	1.26	1.89	2.48	1.63	1.94	2.35	2.14
CALABARZON	1.87	2.85	2.79	2.93	3.14	3.22	3.21
MIMAROPA	1.26	2.48	0.55	0.57	0.55	0.55	0.58
BICOL REGION	0.98	1.11	0.54	0.36	0.40	0.44	0.48
WESTERN VISAYAS	1.78	1.99	1.72	1.68	1.63	1.57	1.51
CENTRAL VISAYAS	4.69	4.03	4.34	4.32	4.33	4.10	4.00
EASTERN VISAYAS	0.99	0.77	0.29	0.29	0.30	0.51	0.54
ZAMBOANGA PENINSULA	4.01	3.00	0.82	0.31	0.40	1.29	0.92
NORTHERN MINDANAO	1.88	1.73	2.83	2.91	2.80	2.80	2.69
DAVAO REGION	3.14	2.61	4.48	5.12	5.21	5.23	5.15
SOCCSKSARGEN	4.68	4.76	6.79	5.47	4.06	2.50	2.55
CARAGA	3.72	4.02	5.51	0.19	0.20	0.20	0.63
ARMM	4.30	3.53	3.53	0.94	0.90	0.91	0.00

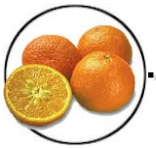


TABLE 3.5a MANDARIN: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
BEARING TREES (no.)							
PHILIPPINES	**615,895**	**613,196**	**1,031,002**	**1,034,935**	**1,040,753**	**1,062,053**	**1,066,282**
CAR	6,035	7,825	7,849	12,226	12,646	12,682	13,072
ILOCOS REGION	620	600	3,000	3,020	3,020	2,970	3,273
CAGAYAN VALLEY	3,200	3,324	147,505	160,836	160,836	167,381	167,296
CENTRAL LUZON	530	480	113,330	114,045	117,675	123,015	128,395
CALABARZON	177,374	135,111	148,220	148,220	149,275	147,005	147,005
MIMAROPA	1,640	1,730	58,264	58,352	58,342	58,477	58,467
BICOL REGION	48,587	47,452	168,559	155,575	157,983	174,361	174,361
WESTERN VISAYAS	6,253	4,728	4,400	4,403	4,382	4,392	4,671
CENTRAL VISAYAS	2,454	2,256	2,322	2,273	2,273	2,273	2,278
EASTERN VISAYAS	1,230	1,111	1,267	1,267	1,280	1,299	1,299
ZAMBOANGA PENINSULA	650	650	2,150	1,238	1,240	470	530
NORTHERN MINDANAO	1,641	1,230	2,377	2,433	2,465	2,526	2,545
DAVAO REGION	161,500	204,236	166,771	166,018	163,772	159,556	160,537
SOCCSKSARGEN	4,201	2,812	2,485	2,444	2,969	3,016	2,889
CARAGA	3,352	2,888	3,518	3,528	3,538	3,545	1,171
ARMM	196,628	196,763	198,985	199,057	199,057	199,085	198,493
PLANTING DENSITY (Btrees/ha)							
PHILIPPINES	**71**	**80**	**114**	**113**	**114**	**117**	**117**
CAR	66	82	84	105	109	108	110
ILOCOS REGION	62	60	200	201	189	198	205
CAGAYAN VALLEY	97	104	279	257	257	267	266
CENTRAL LUZON	44	69	245	243	246	242	252
CALABARZON	52	60	64	64	64	65	66
MIMAROPA	91	96	84	84	84	84	84
BICOL REGION	36	38	88	80	81	90	90
WESTERN VISAYAS	106	95	107	107	104	105	108
CENTRAL VISAYAS	60	55	58	57	57	57	30
EASTERN VISAYAS	32	32	36	35	37	37	37
ZAMBOANGA PENINSULA	108	81	165	113	113	67	66
NORTHERN MINDANAO	44	42	53	69	65	63	64
DAVAO REGION	105	110	197	212	211	206	207
SOCCSKSARGEN	102	112	249	188	175	108	103
CARAGA	86	80	117	118	118	115	117
ARMM	96	101	102	102	102	102	102
YIELD PER BEARING TREE (kg)							
PHILIPPINES	**37**	**34**	**24**	**18**	**19**	**19**	**17**
CAR	39	39	103	67	70	70	67
ILOCOS REGION	20	22	4	4	4	3	3
CAGAYAN VALLEY	61	58	21	20	19	21	20
CENTRAL LUZON	29	28	10	7	8	10	8
CALABARZON	36	47	44	46	50	51	50
MIMAROPA	14	26	7	7	7	7	7
BICOL REGION	27	29	6	5	5	5	5
WESTERN VISAYAS	17	21	16	16	16	15	14
CENTRAL VISAYAS	78	73	75	76	10	8	30
EASTERN VISAYAS	31	24	8	8	8	8	9
ZAMBOANGA PENINSULA	37	37	5	3	4	19	14
NORTHERN MINDANAO	42	41	54	42	43	44	42
DAVAO REGION	30	24	23	24	25	25	25
SOCCSKSARGEN	46	42	27	29	23	23	25
CARAGA	43	50	47	2	2	5	5
ARMM	45	35	35	9	9	9	0

TABLE 3.6 MANGO: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**453,986**	**697,066**	**866,187**	**848,328**	**881,710**	**956,033**	**1,004,280**
CAR	2,558	4,069	3,554	3,566	3,607	3,654	3,661
ILOCOS REGION	137,419	264,221	342,308	368,665	389,274	405,322	417,869
CAGAYAN VALLEY	30,004	60,534	94,077	53,036	43,529	55,828	76,173
CENTRAL LUZON	44,259	65,502	79,688	87,865	92,371	95,869	98,461
CALABARZON	52,832	89,668	115,663	95,669	105,301	107,071	106,625
MIMAROPA	10,207	9,283	8,074	8,015	8,386	8,395	8,141
BICOL REGION	1,702	3,804	2,571	2,185	1,586	1,648	2,281
WESTERN VISAYAS	46,771	51,167	43,472	42,147	43,102	63,103	60,267
CENTRAL VISAYAS	40,317	45,662	42,435	41,678	43,043	51,306	53,734
EASTERN VISAYAS	406	453	227	229	238	249	399
ZAMBOANGA PENINSULA	13,207	21,199	25,005	29,963	31,948	37,607	40,234
NORTHERN MINDANAO	15,418	21,794	22,204	22,302	22,882	23,134	25,852
DAVAO REGION	13,231	14,310	21,979	24,309	27,029	28,383	30,560
SOCCSKSARGEN	22,444	23,852	41,109	45,822	45,998	50,081	53,682
CARAGA	9,330	9,862	10,792	11,152	11,682	12,164	12,865
ARMM	13,880	11,687	13,028	11,726	11,733	12,218	13,476
AREA (ha)							
PHILIPPINES	**77,137**	**108,144**	**132,232**	**133,815**	**137,050**	**150,505**	**155,235**
CAR	501	618	602	629	634	648	665
ILOCOS REGION	13,406	20,439	19,701	19,666	19,833	20,063	20,739
CAGAYAN VALLEY	5,871	7,991	9,758	9,777	9,778	9,778	9,812
CENTRAL LUZON	11,196	17,815	28,505	27,411	27,546	28,446	29,338
CALABARZON	7,825	12,238	12,402	12,809	12,873	12,914	12,939
MIMAROPA	2,355	2,876	3,637	3,663	3,669	3,672	3,673
BICOL REGION	748	1,208	1,378	1,400	1,441	1,498	1,571
WESTERN VISAYAS	7,203	8,940	10,471	10,464	10,525	10,538	10,570
CENTRAL VISAYAS	9,309	10,350	11,712	11,825	11,835	11,848	11,877
EASTERN VISAYAS	142	179	293	294	369	541	556
ZAMBOANGA PENINSULA	3,681	5,938	8,650	9,419	9,606	10,309	10,761
NORTHERN MINDANAO	3,664	5,332	7,639	7,792	7,915	8,356	8,362
DAVAO REGION	3,509	4,176	6,634	6,641	7,949	8,167	8,472
SOCCSKSARGEN	4,404	6,345	5,719	6,830	7,725	9,790	10,603
CARAGA	1,577	1,687	2,948	3,013	3,096	3,216	3,256
ARMM	1,746	2,011	2,183	2,182	2,256	10,721	12,041
YIELD PER HECTARE (mt)							
PHILIPPINES	**5.89**	**6.45**	**6.55**	**6.34**	**6.43**	**6.35**	**6.47**
CAR	5.11	6.58	5.90	5.67	5.69	5.64	5.51
ILOCOS REGION	10.25	12.93	17.38	18.75	19.63	20.20	20.15
CAGAYAN VALLEY	5.11	7.58	9.64	5.42	4.45	5.71	7.76
CENTRAL LUZON	3.95	3.68	2.80	3.21	3.35	3.37	3.36
CALABARZON	6.75	7.33	9.33	7.47	8.18	8.29	8.24
MIMAROPA	4.33	3.23	2.22	2.19	2.29	2.29	2.22
BICOL REGION	2.27	3.15	1.87	1.56	1.10	1.10	1.45
WESTERN VISAYAS	6.49	5.72	4.15	4.03	4.10	5.99	5.70
CENTRAL VISAYAS	4.33	4.41	3.62	3.52	3.64	4.33	4.52
EASTERN VISAYAS	2.86	2.52	0.77	0.78	0.64	0.46	0.72
ZAMBOANGA PENINSULA	3.59	3.57	2.89	3.18	3.33	3.65	3.74
NORTHERN MINDANAO	4.21	4.09	2.91	2.86	2.89	2.77	3.09
DAVAO REGION	3.77	3.43	3.31	3.66	3.40	3.48	3.61
SOCCSKSARGEN	5.10	3.76	7.19	6.71	5.95	5.12	5.06
CARAGA	5.92	5.85	3.66	3.70	3.77	3.78	3.95
ARMM	7.95	5.81	5.97	5.37	5.20	1.14	1.12

TABLE 3.6a MANGO: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
BEARING TREES (no.)							
PHILIPPINES	**3,694,476**	**4,699,563**	**6,138,943**	**6,244,847**	**6,461,116**	**6,788,835**	**6,989,018**
CAR	21,340	24,260	24,644	25,443	25,955	26,320	27,195
ILOCOS REGION	587,830	721,043	744,278	722,413	731,407	744,904	745,403
CAGAYAN VALLEY	465,263	744,243	1,037,740	1,047,726	1,047,797	1,050,312	1,051,077
CENTRAL LUZON	471,694	682,430	1,040,687	1,095,472	1,119,894	1,169,747	1,187,247
CALABARZON	421,060	541,352	745,842	785,959	797,430	797,260	798,918
MIMAROPA	133,278	165,540	200,615	202,713	193,163	193,478	193,527
BICOL REGION	26,956	43,045	45,519	47,986	49,788	52,283	54,873
WESTERN VISAYAS	223,439	280,381	503,565	505,560	545,958	616,653	617,427
CENTRAL VISAYAS	453,814	485,413	520,470	522,755	522,760	528,080	530,216
EASTERN VISAYAS	4,940	6,555	7,744	8,413	8,593	9,823	10,359
ZAMBOANGA PENINSULA	226,172	228,297	342,774	353,559	398,133	459,824	472,664
NORTHERN MINDANAO	216,450	272,803	357,315	361,813	376,891	386,490	496,676
DAVAO REGION	123,800	130,659	146,779	145,987	172,921	190,582	212,431
SOCCSKSARGEN	193,880	241,632	273,524	273,709	322,321	408,726	433,336
CARAGA	77,820	79,682	84,137	83,269	85,550	86,967	90,038
ARMM	46,740	52,227	63,309	62,070	62,555	67,385	67,630
PLANTING DENSITY (Btrees/ha)							
PHILIPPINES	**48**	**43**	**46**	**47**	**47**	**45**	**45**
CAR	43	39	41	40	41	41	41
ILOCOS REGION	44	35	38	37	37	37	36
CAGAYAN VALLEY	79	93	106	107	107	107	107
CENTRAL LUZON	42	38	37	40	41	41	40
CALABARZON	54	44	60	61	62	62	62
MIMAROPA	57	58	55	55	53	53	53
BICOL REGION	36	36	33	34	35	35	35
WESTERN VISAYAS	31	31	48	48	52	59	58
CENTRAL VISAYAS	49	47	44	44	44	45	45
EASTERN VISAYAS	35	37	26	29	23	18	19
ZAMBOANGA PENINSULA	61	38	40	38	41	45	44
NORTHERN MINDANAO	59	51	47	46	48	46	59
DAVAO REGION	35	31	22	22	22	23	25
SOCCSKSARGEN	44	38	48	40	42	42	41
CARAGA	49	47	29	28	28	27	28
ARMM	27	26	29	28	28	6	6
YIELD PER BEARING TREE (kg)							
PHILIPPINES	**123**	**148**	**141**	**136**	**136**	**140**	**144**
CAR	120	168	144	140	139	139	135
ILOCOS REGION	234	366	460	510	532	544	561
CAGAYAN VALLEY	64	81	91	51	42	53	72
CENTRAL LUZON	94	96	77	80	82	82	83
CALABARZON	125	166	155	122	132	134	133
MIMAROPA	77	56	40	40	43	43	42
BICOL REGION	63	88	56	46	32	32	42
WESTERN VISAYAS	209	182	86	83	79	102	98
CENTRAL VISAYAS	89	94	82	80	82	91	99
EASTERN VISAYAS	82	69	29	27	28	25	38
ZAMBOANGA PENINSULA	58	93	73	85	80	82	85
NORTHERN MINDANAO	71	80	62	62	61	60	52
DAVAO REGION	107	110	150	167	156	149	144
SOCCSKSARGEN	116	99	150	167	143	123	124
CARAGA	120	124	128	134	137	140	143
ARMM	297	224	206	189	188	181	199

TABLE 3.7 MANGOSTEEN: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**5,588**	**4,906**	**4,891**	**4,610**	**4,780**	**5,018**	**4,901**
CAR							
ILOCOS REGION							
CAGAYAN VALLEY							
CENTRAL LUZON							
CALABARZON							
MIMAROPA						1	1
BICOL REGION							
WESTERN VISAYAS			2	2	2		
CENTRAL VISAYAS	36	60	53	53	43	44	44
EASTERN VISAYAS							
ZAMBOANGA PENINSULA	194	244	9	54	118	219	213
NORTHERN MINDANAO	60	60	94	164	188	212	210
DAVAO REGION	184	207	201	179	280	373	391
SOCCSKSARGEN	11	18	12	17	19	68	73
CARAGA	8	17	55	42	44	45	44
ARMM	5,095	4,301	4,465	4,098	4,086	4,056	3,926
AREA (ha)							
PHILIPPINES	**1,072**	**1,128**	**1,321**	**1,354**	**1,465**	**1,516**	**1,589**
CAR							
ILOCOS REGION							
CAGAYAN VALLEY							
CENTRAL LUZON							
CALABARZON						1	1
MIMAROPA						1	3
BICOL REGION							
WESTERN VISAYAS			2	2	2		
CENTRAL VISAYAS	13	20	21	21	21	21	21
EASTERN VISAYAS							
ZAMBOANGA PENINSULA	58	67	76	75	85	114	125
NORTHERN MINDANAO	21	23	57	54	54	58	58
DAVAO REGION	65	70	78	84	180	194	253
SOCCSKSARGEN	8	28	138	158	163	167	167
CARAGA	15	23	26	27	27	27	28
ARMM	892	897	923	933	933	933	933
YIELD PER HECTARE (mt)							
PHILIPPINES	**5.21**	**4.35**	**3.70**	**3.40**	**3.26**	**3.31**	**3.08**
CAR							
ILOCOS REGION							
CAGAYAN VALLEY							
CENTRAL LUZON							
CALABARZON							
MIMAROPA						0.85	0.31
BICOL REGION							
WESTERN VISAYAS			1.07	1.09	0.78		
CENTRAL VISAYAS	2.77	3.00	2.51	2.52	2.06	2.09	2.10
EASTERN VISAYAS							
ZAMBOANGA PENINSULA	3.35	3.64	0.12	0.72	1.39	1.92	1.71
NORTHERN MINDANAO	2.85	2.61	1.65	3.04	3.47	3.66	3.61
DAVAO REGION	2.83	2.95	2.58	2.13	1.56	1.92	1.54
SOCCSKSARGEN	1.40	0.63	0.09	0.11	0.12	0.41	0.44
CARAGA	0.53	0.72	2.12	1.56	1.64	1.66	1.58
ARMM	5.71	4.79	4.84	4.39	4.38	4.35	4.21

TABLE 3.7a MANGOSTEEN: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
BEARING TREES (no.)							
PHILIPPINES	**154,766**	**158,248**	**156,453**	**161,818**	**169,686**	**176,145**	**177,517**
CAR							
ILOCOS REGION							
CAGAYAN VALLEY							
CENTRAL LUZON							
CALABARZON							
MIMAROPA						125	200
BICOL REGION							
WESTERN VISAYAS			632	632	632		
CENTRAL VISAYAS	2,000	3,000	3,028	2,850	2,850	2,850	2,850
EASTERN VISAYAS							
ZAMBOANGA PENINSULA	6,090	7,366	4,260	4,280	4,557	6,688	7,203
NORTHERN MINDANAO	2,440	2,690	3,468	4,018	4,424	4,654	4,658
DAVAO REGION	8,140	8,536	5,500	10,038	17,169	18,734	19,236
SOCCSKSARGEN	700	960	1,260	1,660	1,724	4,724	5,071
CARAGA	1,596	1,650	2,115	2,150	2,150	2,150	2,150
ARMM	133,800	134,046	136,190	136,190	136,180	136,220	136,149
PLANTING DENSITY (Btrees/ha)							
PHILIPPINES	**144**	**140**	**118**	**120**	**116**	**116**	**112**
CAR							
ILOCOS REGION							
CAGAYAN VALLEY							
CENTRAL LUZON							
CALABARZON							
MIMAROPA						125	67
BICOL REGION							
WESTERN VISAYAS			316	316	316		
CENTRAL VISAYAS	154	150	144	136	136	136	136
EASTERN VISAYAS							
ZAMBOANGA PENINSULA	105	110	56	57	54	59	58
NORTHERN MINDANAO	116	117	61	74	82	80	80
DAVAO REGION	125	122	71	120	95	97	76
SOCCSKSARGEN	93	34	9	11	11	28	30
CARAGA	106	72	81	80	80	80	77
ARMM	150	149	148	146	146	146	146
YIELD PER BEARING TREE (kg)							
PHILIPPINES	**36**	**31**	**31**	**28**	**28**	**28**	**28**
CAR							
ILOCOS REGION							
CAGAYAN VALLEY							
CENTRAL LUZON							
CALABARZON							
MIMAROPA						7	5
BICOL REGION							
WESTERN VISAYAS			3	3	2		
CENTRAL VISAYAS	18	20	17	19	15	15	15
EASTERN VISAYAS							
ZAMBOANGA PENINSULA	32	33	2	13	26	33	29
NORTHERN MINDANAO	25	22	27	41	42	46	45
DAVAO REGION	23	24	37	18	16	20	20
SOCCSKSARGEN	15	18	9	10	11	14	14
CARAGA	5	10	26	20	21	21	21
ARMM	38	32	33	30	30	30	29

TABLE 3.8 ORANGE: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**9,223**	**8,270**	**8,188**	**8,020**	**8,243**	**7,804**	**7,403**
CAR	616	791	1,239	1,227	1,230	1,159	1,152
ILOCOS REGION	34	53	61	67	68	65	55
CAGAYAN VALLEY	903	1,265	1,011	759	888	891	863
CENTRAL LUZON	65	45	50	52	55	56	100
CALABARZON	4,618	3,167	2,133	2,251	2,307	2,013	1,742
MIMAROPA	37	85	83	65	73	74	72
BICOL REGION	767	923	1,537	1,439	1,437	1,007	1,027
WESTERN VISAYAS	56	56	103	103	98	89	59
CENTRAL VISAYAS	124	124	112	134	124	122	146
EASTERN VISAYAS	99	71	85	88	85	87	90
ZAMBOANGA PENINSULA	93	165	137	140	137	146	121
NORTHERN MINDANAO	219	205	197	207	193	194	190
DAVAO REGION	1,197	906	998	1,030	1,088	1,240	1,314
SOCCSKSARGEN	122	99	104	107	111	102	103
CARAGA	141	187	233	253	253	463	263
ARMM	132	128	104	99	97	95	107
AREA (ha)							
PHILIPPINES	**2,104**	**2,074**	**2,317**	**2,280**	**2,299**	**2,286**	**2,274**
CAR	110	145	148	157	184	184	184
ILOCOS REGION	15	24	29	29	30	30	30
CAGAYAN VALLEY	236	351	360	361	358	352	350
CENTRAL LUZON	115	23	38	38	28	28	28
CALABARZON	551	486	441	443	447	447	447
MIMAROPA	13	20	19	18	18	19	19
BICOL REGION	353	370	561	548	547	506	506
WESTERN VISAYAS	45	42	41	40	37	35	33
CENTRAL VISAYAS	43	47	47	47	47	47	47
EASTERN VISAYAS	40	40	45	46	43	44	44
ZAMBOANGA PENINSULA	68	69	60	36	40	41	45
NORTHERN MINDANAO	65	65	79	76	74	89	76
DAVAO REGION	272	203	238	226	232	248	249
SOCCSKSARGEN	30	29	31	31	30	28	28
CARAGA	80	90	110	111	111	113	115
ARMM	68	70	70	73	73	75	73
YIELD PER HECTARE (mt)							
PHILIPPINES	**4.38**	**3.99**	**3.53**	**3.52**	**3.59**	**3.41**	**3.26**
CAR	5.60	5.48	8.37	7.81	6.68	6.30	6.26
ILOCOS REGION	2.27	2.22	2.12	2.29	2.26	2.15	1.84
CAGAYAN VALLEY	3.82	3.60	2.81	2.10	2.48	2.53	2.47
CENTRAL LUZON	0.57	1.96	1.33	1.38	1.97	2.00	3.57
CALABARZON	8.38	6.52	4.84	5.08	5.16	4.50	3.90
MIMAROPA	2.85	4.25	4.37	3.62	4.05	3.89	3.81
BICOL REGION	2.17	2.49	2.74	2.63	2.63	1.99	2.03
WESTERN VISAYAS	1.24	1.33	2.50	2.56	2.64	2.56	1.78
CENTRAL VISAYAS	2.89	2.65	2.39	2.84	2.65	2.60	3.11
EASTERN VISAYAS	2.48	1.78	1.89	1.91	1.97	1.97	2.04
ZAMBOANGA PENINSULA	1.37	2.39	2.29	3.89	3.43	3.57	2.71
NORTHERN MINDANAO	3.36	3.15	2.49	2.72	2.61	2.18	2.51
DAVAO REGION	4.40	4.46	4.19	4.56	4.69	5.00	5.28
SOCCSKSARGEN	4.06	3.40	3.35	3.47	3.69	3.64	3.68
CARAGA	1.76	2.07	2.11	2.28	2.28	4.10	2.29
ARMM	1.94	1.83	1.49	1.36	1.33	1.27	1.46

TABLE 3.8a ORANGE: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
BEARING TREES (no.)							
PHILIPPINES	**314,412**	**317,187**	**294,040**	**299,045**	**301,980**	**298,075**	**309,965**
CAR	16,980	22,362	22,156	23,556	23,649	23,679	23,649
ILOCOS REGION	2,230	3,660	4,715	4,765	4,775	4,760	4,804
CAGAYAN VALLEY	28,851	46,678	46,565	47,748	46,970	46,735	59,305
CENTRAL LUZON	11,600	3,000	5,478	5,478	3,478	3,478	3,478
CALABARZON	115,515	100,562	78,760	79,550	86,305	85,600	85,540
MIMAROPA	1,510	3,103	3,087	2,770	3,120	3,120	2,800
BICOL REGION	41,940	48,975	40,914	40,885	40,423	37,709	36,363
WESTERN VISAYAS	5,270	5,228	5,121	4,996	4,851	4,731	4,347
CENTRAL VISAYAS	8,781	8,760	8,745	8,735	8,145	7,845	7,845
EASTERN VISAYAS	5,130	4,710	5,250	5,490	4,980	5,071	5,200
ZAMBOANGA PENINSULA	7,120	7,215	6,250	4,647	5,079	5,030	5,235
NORTHERN MINDANAO	10,060	10,382	12,225	11,715	10,800	10,390	8,899
DAVAO REGION	37,780	28,321	28,530	29,765	30,470	30,740	33,192
SOCCSKSARGEN	3,920	3,678	3,762	3,910	3,850	3,947	3,985
CARAGA	8,875	11,253	12,772	15,345	15,395	15,440	15,515
ARMM	8,850	9,300	9,710	9,690	9,690	9,800	9,808
PLANTING DENSITY (Btrees/ha)							
PHILIPPINES	**149**	**153**	**127**	**131**	**131**	**130**	**136**
CAR	154	155	150	150	129	129	129
ILOCOS REGION	149	153	163	164	159	159	160
CAGAYAN VALLEY	122	133	129	132	131	133	169
CENTRAL LUZON	101	130	144	144	124	124	124
CALABARZON	210	207	179	180	193	191	191
MIMAROPA	116	155	162	154	173	164	147
BICOL REGION	119	132	73	75	74	75	72
WESTERN VISAYAS	117	124	125	125	131	135	132
CENTRAL VISAYAS	204	186	186	186	173	167	167
EASTERN VISAYAS	128	118	117	119	116	115	118
ZAMBOANGA PENINSULA	105	105	104	129	127	123	118
NORTHERN MINDANAO	155	160	155	154	146	117	117
DAVAO REGION	139	139	120	132	131	124	133
SOCCSKSARGEN	131	126	121	126	128	141	142
CARAGA	111	124	116	138	139	137	135
ARMM	130	133	139	133	133	131	134
YIELD PER BEARING TREE (kg)							
PHILIPPINES	**29**	**26**	**28**	**27**	**27**	**26**	**24**
CAR	36	35	56	52	52	49	49
ILOCOS REGION	15	15	13	14	14	14	12
CAGAYAN VALLEY	31	27	22	16	19	19	15
CENTRAL LUZON	6	15	9	10	16	16	29
CALABARZON	40	31	27	28	27	24	20
MIMAROPA	25	27	27	24	23	24	26
BICOL REGION	18	19	38	35	36	27	28
WESTERN VISAYAS	11	11	20	21	20	19	14
CENTRAL VISAYAS	14	14	13	15	15	16	19
EASTERN VISAYAS	19	15	16	16	17	17	17
ZAMBOANGA PENINSULA	13	23	22	30	27	29	23
NORTHERN MINDANAO	22	20	16	18	18	19	21
DAVAO REGION	32	32	35	35	36	40	40
SOCCSKSARGEN	31	27	28	27	29	26	26
CARAGA	16	17	18	16	16	30	17
ARMM	15	14	11	10	10	10	11

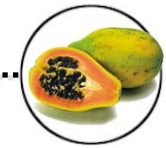


TABLE 3.9 PAPAYA: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**84,855**	**108,409**	**112,862**	**121,304**	**127,787**	**127,680**	**130,755**
CAR	1,218	1,321	1,750	1,752	1,736	1,767	1,711
ILOCOS REGION	2,973	3,106	3,495	3,628	3,680	3,672	3,733
CAGAYAN VALLEY	3,665	4,333	4,297	4,380	4,225	4,059	3,780
CENTRAL LUZON	1,509	1,599	2,118	2,375	2,426	2,548	2,408
CALABARZON	18,544	16,188	16,316	17,832	22,010	19,765	19,525
MIMAROPA	2,705	2,940	3,658	3,203	3,405	3,484	3,646
BICOL REGION	6,824	5,393	7,211	6,592	6,874	7,914	9,202
WESTERN VISAYAS	8,198	7,193	7,534	7,472	7,350	7,170	7,252
CENTRAL VISAYAS	8,341	9,125	7,829	8,881	8,699	8,756	8,481
EASTERN VISAYAS	2,887	2,955	2,432	2,445	2,482	2,509	2,574
ZAMBOANGA PENINSULA	2,691	4,512	5,622	5,775	5,644	5,665	5,474
NORTHERN MINDANAO	7,253	17,529	16,150	21,895	21,439	20,765	22,149
DAVAO REGION	7,472	13,122	11,269	12,419	14,020	14,235	14,606
SOCCSKSARGEN	6,450	14,293	17,167	16,523	17,902	19,583	20,671
CARAGA	1,790	1,864	2,291	2,309	2,277	2,115	2,149
ARMM	2,335	2,936	3,722	3,822	3,618	3,673	3,392
AREA (ha)							
PHILIPPINES	**6,244**	**7,161**	**7,913**	**8,440**	**8,422**	**8,761**	**8,913**
CAR	146	159	230	237	230	229	220
ILOCOS REGION	261	281	303	316	325	333	337
CAGAYAN VALLEY	500	528	464	494	492	466	476
CENTRAL LUZON	449	480	477	553	551	565	557
CALABARZON	1,144	1,123	1,014	1,083	1,081	1,071	1,090
MIMAROPA	291	281	319	335	327	339	340
BICOL REGION	544	488	567	577	522	587	611
WESTERN VISAYAS	683	689	772	775	780	778	783
CENTRAL VISAYAS	461	473	485	505	502	499	501
EASTERN VISAYAS	338	457	440	419	420	423	430
ZAMBOANGA PENINSULA	216	401	545	592	592	587	616
NORTHERN MINDANAO	321	455	602	734	764	779	797
DAVAO REGION	408	630	638	658	668	719	761
SOCCSKSARGEN	200	388	720	821	826	968	969
CARAGA	190	205	218	218	219	273	278
ARMM	92	123	119	123	123	145	149
YIELD PER HECTARE (mt)							
PHILIPPINES	**13.59**	**15.14**	**14.26**	**14.37**	**15.17**	**14.57**	**14.67**
CAR	8.34	8.31	7.61	7.39	7.54	7.72	7.78
ILOCOS REGION	11.39	11.05	11.53	11.50	11.33	11.03	11.08
CAGAYAN VALLEY	7.33	8.21	9.26	8.87	8.59	8.71	7.94
CENTRAL LUZON	3.36	3.33	4.44	4.30	4.40	4.51	4.32
CALABARZON	16.21	14.41	16.09	16.47	20.36	18.45	17.91
MIMAROPA	9.30	10.46	11.47	9.56	10.41	10.28	10.74
BICOL REGION	12.54	11.05	12.72	11.43	13.17	13.48	15.06
WESTERN VISAYAS	12.00	10.44	9.76	9.64	9.42	9.22	9.26
CENTRAL VISAYAS	18.09	19.29	16.14	17.59	17.33	17.55	16.93
EASTERN VISAYAS	8.54	6.47	5.53	5.83	5.91	5.93	5.99
ZAMBOANGA PENINSULA	12.46	11.25	10.32	9.75	9.53	9.65	8.89
NORTHERN MINDANAO	22.59	38.53	26.83	29.83	28.06	26.66	27.81
DAVAO REGION	18.31	20.83	17.66	18.87	20.99	19.80	19.21
SOCCSKSARGEN	32.25	36.84	23.84	20.13	21.67	20.23	21.33
CARAGA	9.42	9.09	10.51	10.59	10.40	7.75	7.73
ARMM	25.38	23.87	31.28	31.07	29.41	25.33	22.76

TABLE 3.9a PAPAYA: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
BEARING TREES (no.)							
PHILIPPINES	**3,673,692**	**4,306,321**	**4,801,584**	**5,057,559**	**5,222,599**	**5,194,779**	**5,356,536**
CAR	81,462	84,205	95,792	98,971	99,509	99,555	98,517
ILOCOS REGION	150,074	156,746	169,972	174,718	181,015	182,182	183,676
CAGAYAN VALLEY	382,481	376,750	300,715	311,708	322,256	299,549	299,554
CENTRAL LUZON	217,116	226,358	179,091	199,448	194,486	203,369	198,813
CALABARZON	701,985	687,520	655,475	717,510	814,991	728,855	742,187
MIMAROPA	139,256	127,620	151,487	145,747	139,931	142,750	151,262
BICOL REGION	347,377	286,525	324,017	311,520	333,398	355,783	388,587
WESTERN VISAYAS	376,849	378,593	384,930	395,639	395,641	385,778	377,952
CENTRAL VISAYAS	198,933	234,837	240,583	250,833	249,398	249,810	249,919
EASTERN VISAYAS	100,740	117,804	140,264	140,342	139,251	140,560	142,427
ZAMBOANGA PENINSULA	141,103	225,856	272,472	278,682	278,682	272,645	274,673
NORTHERN MINDANAO	209,327	413,338	568,358	681,983	688,172	638,487	655,243
DAVAO REGION	262,656	412,038	435,959	451,835	457,916	477,925	486,773
SOCCSKSARGEN	158,273	357,340	612,492	630,041	661,323	769,086	855,722
CARAGA	143,635	147,090	184,052	182,024	181,583	161,828	164,321
ARMM	62,425	73,701	85,925	86,558	85,047	86,617	86,910
PLANTING DENSITY (Btrees/ha)							
PHILIPPINES	**588**	**601**	**607**	**599**	**620**	**593**	**601**
CAR	558	530	416	418	432	435	448
ILOCOS REGION	575	558	561	554	557	547	545
CAGAYAN VALLEY	765	714	648	631	655	643	629
CENTRAL LUZON	484	472	375	361	353	360	357
CALABARZON	614	612	646	663	754	681	681
MIMAROPA	479	454	475	435	428	421	446
BICOL REGION	639	587	571	540	639	606	636
WESTERN VISAYAS	552	549	499	511	507	496	483
CENTRAL VISAYAS	432	496	496	497	497	501	499
EASTERN VISAYAS	298	258	319	335	332	332	332
ZAMBOANGA PENINSULA	653	563	500	471	471	464	446
NORTHERN MINDANAO	652	908	944	929	901	820	823
DAVAO REGION	644	654	683	687	686	665	640
SOCCSKSARGEN	791	921	851	767	800	795	883
CARAGA	756	718	844	835	829	593	591
ARMM	679	599	722	704	691	597	583
YIELD PER BEARING TREE (kg)							
PHILIPPINES	**23**	**25**	**24**	**24**	**24**	**25**	**24**
CAR	15	16	18	18	17	18	17
ILOCOS REGION	20	20	21	21	20	20	20
CAGAYAN VALLEY	10	11	14	14	13	14	13
CENTRAL LUZON	7	7	12	12	12	13	12
CALABARZON	26	24	25	25	27	27	26
MIMAROPA	19	23	24	22	24	24	24
BICOL REGION	20	19	22	21	21	22	24
WESTERN VISAYAS	22	19	20	19	19	19	19
CENTRAL VISAYAS	42	39	33	35	35	35	34
EASTERN VISAYAS	29	25	17	17	18	18	18
ZAMBOANGA PENINSULA	19	20	21	21	20	21	20
NORTHERN MINDANAO	35	42	28	32	31	33	34
DAVAO REGION	28	32	26	27	31	30	30
SOCCSKSARGEN	41	40	28	26	27	25	24
CARAGA	12	13	12	13	13	13	13
ARMM	37	40	43	44	43	42	39

TABLE 3.10 PINEAPPLE: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**1,421,663**	**1,646,268**	**1,565,878**	**1,559,563**	**1,617,906**	**1,639,161**	**1,696,346**
CAR	701	655	970	994	1,120	1,020	971
ILOCOS REGION	370	333	256	247	253	247	225
CAGAYAN VALLEY	4,814	10,736	14,914	17,815	18,328	19,659	21,840
CENTRAL LUZON	211	823	763	954	976	863	621
CALABARZON	40,736	65,660	69,249	67,388	74,812	79,915	84,884
MIMAROPA	250	157	164	180	199	196	191
BICOL REGION	65,116	55,258	57,623	56,571	73,956	82,551	90,165
WESTERN VISAYAS	10,632	16,218	9,383	10,727	10,234	10,181	10,513
CENTRAL VISAYAS	2,997	3,466	2,808	3,098	3,237	3,502	3,606
EASTERN VISAYAS	4,052	5,399	5,642	5,784	5,759	6,010	6,071
ZAMBOANGA PENINSULA	1,135	1,773	2,721	3,451	3,704	3,637	3,653
NORTHERN MINDANAO	611,090	759,434	784,179	786,166	799,581	801,546	840,103
DAVAO REGION	23,196	11,923	13,407	15,736	15,947	16,533	17,061
SOCCSKSARGEN	652,768	710,071	598,641	585,015	604,260	607,820	611,073
CARAGA	2,537	3,143	3,683	3,891	4,025	4,028	3,993
ARMM	1,057	1,218	1,476	1,547	1,513	1,455	1,375
AREA (ha)							
PHILIPPINES	**40,795**	**41,580**	**43,265**	**42,968**	**44,341**	**44,961**	**47,635**
CAR	125	111	121	121	142	149	189
ILOCOS REGION	51	41	41	42	41	41	43
CAGAYAN VALLEY	514	669	1,043	1,231	1,204	1,192	1,219
CENTRAL LUZON	46	124	100	102	115	97	89
CALABARZON	4,523	3,993	3,869	3,982	4,164	4,219	4,710
MIMAROPA	47	28	31	34	41	42	43
BICOL REGION	2,848	2,514	2,667	2,764	3,096	3,263	3,646
WESTERN VISAYAS	371	670	481	509	511	512	522
CENTRAL VISAYAS	452	484	432	450	454	457	463
EASTERN VISAYAS	351	454	505	506	492	495	499
ZAMBOANGA PENINSULA	240	387	488	499	526	612	554
NORTHERN MINDANAO	13,950	15,539	15,918	15,959	16,719	16,796	18,305
DAVAO REGION	2,347	1,235	1,320	1,872	1,882	1,888	2,160
SOCCSKSARGEN	14,519	14,828	15,659	14,262	14,305	14,545	14,545
CARAGA	327	415	481	517	530	536	534
ARMM	84	88	109	118	119	117	114
YIELD PER HECTARE (mt)							
PHILIPPINES	**34.85**	**39.59**	**36.19**	**36.30**	**36.49**	**36.46**	**35.61**
CAR	5.61	5.90	8.02	8.21	7.89	6.84	5.14
ILOCOS REGION	7.25	8.13	6.24	5.88	6.16	6.01	5.24
CAGAYAN VALLEY	9.37	16.05	14.30	14.47	15.22	16.49	17.92
CENTRAL LUZON	4.59	6.64	7.63	9.35	8.53	8.89	6.98
CALABARZON	9.01	16.44	17.90	16.92	17.97	18.94	18.02
MIMAROPA	5.32	5.60	5.28	5.29	4.85	4.66	4.45
BICOL REGION	22.86	21.98	21.61	20.47	23.89	25.30	24.73
WESTERN VISAYAS	28.66	24.21	19.51	21.07	20.03	19.88	20.14
CENTRAL VISAYAS	6.63	7.16	6.50	6.88	7.13	7.66	7.79
EASTERN VISAYAS	11.54	11.89	11.17	11.43	11.71	12.14	12.17
ZAMBOANGA PENINSULA	4.73	4.58	5.58	6.92	7.04	5.94	6.59
NORTHERN MINDANAO	43.81	48.87	49.26	49.26	47.82	47.72	45.89
DAVAO REGION	9.88	9.65	10.16	8.41	8.47	8.76	7.90
SOCCSKSARGEN	44.96	47.89	38.23	41.02	42.24	41.79	42.01
CARAGA	7.76	7.57	7.66	7.53	7.59	7.52	7.48
ARMM	12.58	13.84	13.54	13.11	12.71	12.43	12.07

TABLE 3.11 RAMBUTAN: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**11,168**	**12,126**	**1,614**	**11,894**	**13,099**	**11,606**	**11,901**
CAR						13	15
ILOCOS REGION	3	7	24	25	25	26	28
CAGAYAN VALLEY			119	122	135	134	128
CENTRAL LUZON							2
CALABARZON	9,683	9,967	527	9,560	10,515	7,320	6,991
MIMAROPA	311	361	297	378	381	391	383
BICOL REGION	3	5	2	2	3	3	3
WESTERN VISAYAS	9	28	33	38	46	50	77
CENTRAL VISAYAS	5	9	1	2	2	2	3
EASTERN VISAYAS			1	5	5	6	7
ZAMBOANGA PENINSULA			70	65	83	130	145
NORTHERN MINDANAO	117	206	221	256	275	286	292
DAVAO REGION	341	645	20	260	326	690	827
SOCCSKSARGEN	657	833	172	999	1,124	2,365	2,791
CARAGA	39	59	91	146	165	170	176
ARMM		6	38	34	15	19	32
AREA (ha)							
PHILIPPINES	**2,637**	**2,898**	**4,919**	**4,023**	**4,630**	**4,743**	**4,858**
CAR					5	6	8
ILOCOS REGION	3	6	8	8	8	12	18
CAGAYAN VALLEY			24	23	23	23	23
CENTRAL LUZON							2
CALABARZON	1,936	2,015	2,407	1,367	1,376	1,386	1,389
MIMAROPA	96	105	817	692	691	707	709
BICOL REGION	5	9	10	10	13	13	13
WESTERN VISAYAS	16	31	41	41	42	47	52
CENTRAL VISAYAS	10	12	12	12	12	12	12
EASTERN VISAYAS			1	2	2	6	6
ZAMBOANGA PENINSULA			21	28	39	58	73
NORTHERN MINDANAO	42	74	142	165	168	174	175
DAVAO REGION	306	351	367	381	619	629	659
SOCCSKSARGEN	197	252	995	1,157	1,194	1,231	1,243
CARAGA	26	39	46	106	407	408	445
ARMM		4	28	31	31	31	31
YIELD PER HECTARE (mt)							
PHILIPPINES	**4.24**	**4.18**	**0.33**	**2.96**	**2.83**	**2.45**	**2.45**
CAR						2.20	1.93
ILOCOS REGION	1.00	1.21	2.97	3.18	3.18	2.21	1.54
CAGAYAN VALLEY			4.95	5.30	5.85	5.81	5.57
CENTRAL LUZON							1.00
CALABARZON	5.00	4.95	0.22	6.99	7.64	5.28	5.03
MIMAROPA	3.24	3.44	0.36	0.55	0.55	0.55	0.54
BICOL REGION	0.69	0.51	0.23	0.23	0.19	0.21	0.23
WESTERN VISAYAS	0.57	0.92	0.80	0.92	1.10	1.07	1.47
CENTRAL VISAYAS	0.48	0.75	0.10	0.17	0.18	0.18	0.25
EASTERN VISAYAS			0.75	2.45	2.46	1.07	1.19
ZAMBOANGA PENINSULA			3.32	2.33	2.13	2.24	1.99
NORTHERN MINDANAO	2.78	2.78	1.55	1.55	1.64	1.65	1.67
DAVAO REGION	1.11	1.84	0.05	0.68	0.53	1.10	1.26
SOCCSKSARGEN	3.34	3.30	0.17	0.86	0.94	1.92	2.25
CARAGA	1.50	1.50	1.97	1.38	0.41	0.42	0.40
ARMM		1.49	1.34	1.10	0.47	0.61	1.03

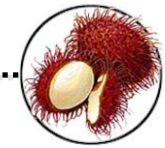


TABLE 3.11a RAMBUTAN: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
BEARING TREES (no.)							
PHILIPPINES	**470,369**	**513,053**	**610,051**	**399,264**	**413,298**	**424,012**	**432,049**
CAR					600	600	700
ILOCOS REGION	400	828	1,200	1,236	1,248	1,473	1,672
CAGAYAN VALLEY			4,308	4,033	4,033	4,033	4,033
CENTRAL LUZON							250
CALABARZON	384,750	400,730	455,015	236,468	241,090	243,870	243,870
MIMAROPA	16,704	18,060	22,060	22,060	22,052	22,052	22,052
BICOL REGION	590	850	843	850	1,028	1,078	1,078
WESTERN VISAYAS	1,850	3,452	4,798	4,798	4,804	5,027	5,538
CENTRAL VISAYAS	1,200	1,500	1,413	1,450	1,450	1,479	1,485
EASTERN VISAYAS			300	220	220	425	450
ZAMBOANGA PENINSULA			3,300	3,500	3,591	6,148	6,341
NORTHERN MINDANAO	6,000	10,600	15,633	15,533	15,381	16,106	16,384
DAVAO REGION	26,730	33,683	35,411	36,810	40,823	41,999	46,944
SOCCSKSARGEN	28,245	36,900	55,630	61,300	65,893	68,552	68,552
CARAGA	3,900	5,850	7,050	7,730	7,735	7,745	9,275
ARMM		600	3,090	3,276	3,350	3,425	3,425
PLANTING DENSITY (Btrees/ha)							
PHILIPPINES	**178**	**177**	**124**	**99**	**89**	**89**	**89**
CAR					120	100	88
ILOCOS REGION	133	138	150	155	156	123	92
CAGAYAN VALLEY			180	175	175	175	175
CENTRAL LUZON							125
CALABARZON	199	199	189	173	175	176	176
MIMAROPA	174	172	27	32	32	31	31
BICOL REGION	118	94	84	85	79	83	83
WESTERN VISAYAS	116	111	117	117	114	107	107
CENTRAL VISAYAS	120	125	118	121	121	123	124
EASTERN VISAYAS			300	110	110	71	75
ZAMBOANGA PENINSULA			157	125	92	106	87
NORTHERN MINDANAO	143	143	110	94	92	93	94
DAVAO REGION	87	96	96	97	66	67	71
SOCCSKSARGEN	143	146	56	53	55	56	55
CARAGA	150	150	153	73	19	19	21
ARMM		150	110	106	108	110	110
YIELD PER BEARING TREE (kg)							
PHILIPPINES	**24**	**24**	**3**	**30**	**32**	**27**	**28**
CAR						22	22
ILOCOS REGION	8	9	20	21	20	18	17
CAGAYAN VALLEY			28	30	33	33	32
CENTRAL LUZON							8
CALABARZON	25	25	1	40	44	30	29
MIMAROPA	19	20	13	17	17	18	17
BICOL REGION	6	5	3	3	2	3	3
WESTERN VISAYAS	5	8	7	8	10	10	14
CENTRAL VISAYAS	4	6	1	1	1	1	2
EASTERN VISAYAS			3	22	22	15	16
ZAMBOANGA PENINSULA			21	19	23	21	23
NORTHERN MINDANAO	19	19	14	16	18	18	18
DAVAO REGION	13	19	1	7	8	16	18
SOCCSKSARGEN	23	23	3	16	17	35	41
CARAGA	10	10	13	19	21	22	19
ARMM		10	12	10	4	6	9

TABLE 3.12 WATERMELON: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**87,506**	**82,435**	**63,297**	**59,382**	**58,284**	**78,935**	**92,399**
CAR	295	382	372	382	390	391	400
ILOCOS REGION	11,589	15,280	29,058	30,492	32,718	34,075	37,935
CAGAYAN VALLEY	8,420	4,859	7,248	7,005	4,172	3,867	2,243
CENTRAL LUZON	12,966	11,101	7,209	7,113	6,734	7,035	7,764
CALABARZON	15,477	9,873	2,872	1,350	1,237	1,343	1,593
MIMAROPA	1,582	1,545	1,678	1,568	1,547	1,895	2,004
BICOL REGION	5,751	5,859	2,024	760	1,224	4,134	5,500
WESTERN VISAYAS	22,203	23,956	6,793	4,918	4,308	19,591	27,849
CENTRAL VISAYAS	298	311	256	227	186	273	299
EASTERN VISAYAS	933	702	568	564	577	591	606
ZAMBOANGA PENINSULA	1,203	1,043	814	607	722	888	1,020
NORTHERN MINDANAO	807	395	717	713	729	814	851
DAVAO REGION	476	536	504	638	647	630	654
SOCCSKSARGEN	1,032	1,080	483	419	510	814	1,039
CARAGA	3,997	5,091	2,293	2,364	2,475	2,460	2,506
ARMM	477	424	408	261	107	134	135
AREA (ha)							
PHILIPPINES	**6,364**	**6,066**	**4,290**	**4,046**	**3,690**	**4,879**	**5,288**
CAR	23	28	27	28	28	26	26
ILOCOS REGION	814	1,066	1,162	1,158	1,171	1,201	1,232
CAGAYAN VALLEY	538	382	370	559	319	330	260
CENTRAL LUZON	905	967	646	626	559	791	854
CALABARZON	1,276	741	203	130	125	132	156
MIMAROPA	173	168	164	153	149	174	190
BICOL REGION	408	382	267	102	112	220	349
WESTERN VISAYAS	1,266	1,371	538	429	382	983	1,124
CENTRAL VISAYAS	26	25	22	16	12	15	14
EASTERN VISAYAS	123	68	81	75	90	91	92
ZAMBOANGA PENINSULA	138	112	110	86	90	134	160
NORTHERN MINDANAO	93	47	96	151	149	222	235
DAVAO REGION	48	52	37	60	61	65	71
SOCCSKSARGEN	85	108	72	74	66	92	114
CARAGA	397	494	442	346	350	340	347
ARMM	51	55	53	53	28	63	64
YIELD PER HECTARE (mt)							
PHILIPPINES	**13.75**	**13.59**	**14.75**	**14.68**	**15.80**	**16.18**	**17.47**
CAR	12.85	13.65	13.76	13.65	13.93	15.02	15.39
ILOCOS REGION	14.24	14.33	25.01	26.33	27.94	28.37	30.78
CAGAYAN VALLEY	15.65	12.72	19.59	12.53	13.08	11.72	8.63
CENTRAL LUZON	14.33	11.48	11.16	11.36	12.05	8.89	9.09
CALABARZON	12.13	13.32	14.15	10.38	9.90	10.17	10.24
MIMAROPA	9.14	9.20	10.23	10.25	10.42	10.89	10.55
BICOL REGION	14.09	15.34	7.58	7.45	10.93	18.79	15.76
WESTERN VISAYAS	17.54	17.47	12.63	11.46	11.28	19.93	24.78
CENTRAL VISAYAS	11.47	12.43	11.63	14.17	15.52	18.22	21.22
EASTERN VISAYAS	7.58	10.32	7.02	7.53	6.41	6.50	6.59
ZAMBOANGA PENINSULA	8.72	9.32	7.40	7.05	8.02	6.63	6.37
NORTHERN MINDANAO	8.67	8.40	7.47	4.72	4.91	3.67	3.62
DAVAO REGION	9.92	10.32	13.63	10.63	10.61	9.70	9.26
SOCCSKSARGEN	12.15	10.00	6.71	5.66	7.73	8.84	9.12
CARAGA	10.07	10.30	5.19	6.83	7.07	7.24	7.22
ARMM	9.35	7.71	7.69	4.93	3.81	2.13	2.11

IV. NON-FOOD & INDUSTRIAL CROPS

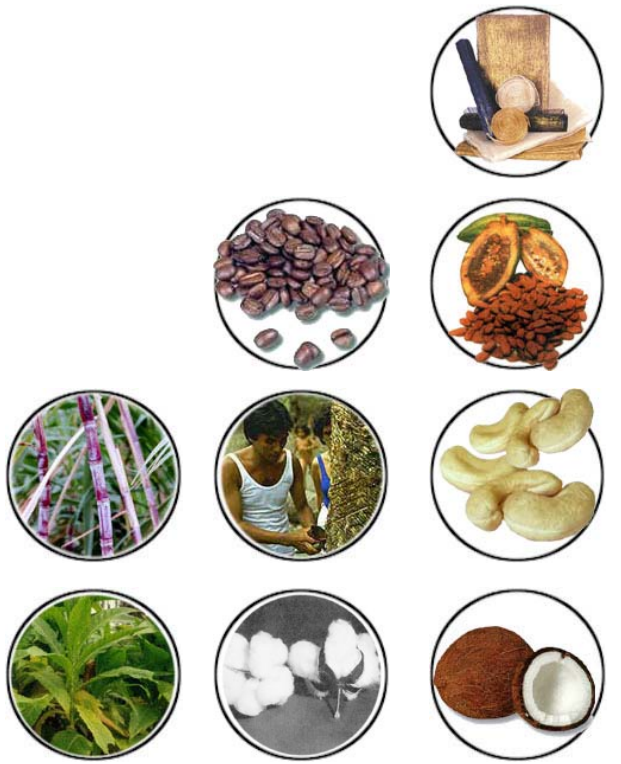


TABLE 4.1 ABACA: PRODUCTION, AREA AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**59,418**	**64,833**	**73,125**	**77,180**	**72,861**	**63,028**	**69,765**
CAR							
ILOCOS REGION							
CAGAYAN VALLEY							
CENTRAL LUZON		4	15	4	3	10	6
CALABARZON							
MIMAROPA	54	54	51	43	41	37	35
BICOL REGION	16,681	22,294	19,910	21,432	20,086	17,942	20,243
WESTERN VISAYAS	606	824	620	463	531	447	852
CENTRAL VISAYAS	395	206	207	216	162	164	191
EASTERN VISAYAS	24,100	23,321	28,739	30,174	29,952	27,012	29,261
ZAMBOANGA PENINSULA	435	894	242	187	168	111	123
NORTHERN MINDANAO	1,126	1,749	2,003	2,037	2,094	1,185	1,140
DAVAO REGION	5,823	5,308	10,623	10,782	8,645	8,032	9,197
SOCCSKSARGEN	826	727	554	411	1,318	536	985
CARAGA	3,483	3,485	4,909	6,481	3,670	3,549	3,785
ARMM	5,889	5,967	5,252	4,949	6,190	4,003	3,948
AREA (ha)							
PHILIPPINES	**102,494**	**105,641**	**111,384**	**106,816**	**107,145**	**122,508**	**122,046**
CAR							
ILOCOS REGION							
CAGAYAN VALLEY							
CENTRAL LUZON	5	49	85	85	85	120	191
CALABARZON	52	43	22	22	22	26	26
MIMAROPA	738	358	80	176	176	406	608
BICOL REGION	50,171	42,562	42,628	41,593	41,593	44,606	43,318
WESTERN VISAYAS	1,671	2,050	7,154	4,832	4,834	3,485	3,515
CENTRAL VISAYAS	2,305	2,648	2,734	2,648	2,645	2,470	2,561
EASTERN VISAYAS	20,505	30,069	29,560	28,503	28,498	38,079	38,665
ZAMBOANGA PENINSULA	546	971	942	898	920	1,474	1,635
NORTHERN MINDANAO	3,306	2,551	3,487	2,917	2,955	4,139	4,403
DAVAO REGION	5,193	8,438	7,596	7,799	7,810	9,301	9,776
SOCCSKSARGEN	1,028	1,384	1,572	1,471	1,448	2,669	2,827
CARAGA	4,449	5,173	5,803	6,151	6,348	6,122	6,301
ARMM	12,525	9,345	9,721	9,721	9,811	9,610	8,219
YIELD PER HECTARE (mt)							
PHILIPPINES	**0.58**	**0.61**	**0.66**	**0.72**	**0.68**	**0.51**	**0.57**
CAR							
ILOCOS REGION							
CAGAYAN VALLEY							
CENTRAL LUZON		0.08	0.18	0.04	0.04	0.08	0.03
CALABARZON							
MIMAROPA	0.07	0.15	0.64	0.25	0.23	0.09	0.06
BICOL REGION	0.33	0.52	0.47	0.52	0.48	0.40	0.47
WESTERN VISAYAS	0.36	0.40	0.09	0.10	0.11	0.13	0.24
CENTRAL VISAYAS	0.17	0.08	0.08	0.08	0.06	0.07	0.07
EASTERN VISAYAS	1.18	0.78	0.97	1.06	1.05	0.71	0.76
ZAMBOANGA PENINSULA	0.80	0.92	0.26	0.21	0.18	0.08	0.08
NORTHERN MINDANAO	0.34	0.69	0.57	0.70	0.71	0.29	0.26
DAVAO REGION	1.12	0.63	1.40	1.38	1.11	0.86	0.94
SOCCSKSARGEN	0.80	0.53	0.35	0.28	0.91	0.20	0.35
CARAGA	0.78	0.67	0.85	1.05	0.58	0.58	0.60
ARMM	0.47	0.64	0.54	0.51	0.63	0.42	0.48

TABLE 4.2 CACAO: PRODUCTION, AREA AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**9,848**	**7,927**	**7,667**	**6,628**	**6,531**	**5,803**	**5,609**
CAR	48	6	6	7	14	12	13
ILOCOS REGION	86	53	51	52	52	53	54
CAGAYAN VALLEY	53	49	99	107	109	104	100
CENTRAL LUZON	11	-	1	3	4	5	26
CALABARZON	61	52	53	55	60	60	54
MIMAROPA	81	74	45	43	41	41	37
BICOL REGION	52	45	27	24	22	29	30
WESTERN VISAYAS	431	203	105	107	108	106	103
CENTRAL VISAYAS	102	94	95	84	79	79	80
EASTERN VISAYAS	137	121	136	133	127	127	129
ZAMBOANGA PENINSULA	470	341	334	189	179	187	162
NORTHERN MINDANAO	839	526	574	565	494	508	489
DAVAO REGION	6,300	5,589	5,464	4,685	4,655	3,936	3,780
SOCCSKSARGEN	357	199	151	125	128	126	122
CARAGA	684	473	440	368	379	354	357
ARMM	135	104	86	80	78	75	73
AREA (ha)							
PHILIPPINES	**18,377**	**16,235**	**15,018**	**12,077**	**11,997**	**11,525**	**10,845**
CAR	33	15	20	19	27	26	26
ILOCOS REGION	157	148	82	82	82	81	81
CAGAYAN VALLEY	111	122	141	239	239	239	238
CENTRAL LUZON	16	1	3	4	4	8	32
CALABARZON	288	226	336	454	454	454	454
MIMAROPA	150	149	70	73	72	69	66
BICOL REGION	495	363	414	344	344	344	347
WESTERN VISAYAS	1,036	742	142	147	147	145	143
CENTRAL VISAYAS	225	225	165	165	167	166	167
EASTERN VISAYAS	506	446	401	402	397	395	397
ZAMBOANGA PENINSULA	775	760	812	725	801	786	776
NORTHERN MINDANAO	1,027	856	1,228	1,144	1,144	1,086	1,086
DAVAO REGION	8,213	8,045	8,251	5,900	5,938	5,385	4,793
SOCCSKSARGEN	879	653	260	222	230	234	221
CARAGA	2,921	2,327	1,556	1,020	973	970	978
ARMM	1,545	1,157	1,137	1,137	978	1,137	1,040
YIELD PER HECTARE (mt)							
PHILIPPINES	**0.54**	**0.49**	**0.51**	**0.55**	**0.54**	**0.50**	**0.52**
CAR	1.44	0.40	0.28	0.38	0.52	0.48	0.51
ILOCOS REGION	0.55	0.36	0.62	0.63	0.64	0.65	0.66
CAGAYAN VALLEY	0.48	0.40	0.70	0.45	0.46	0.44	0.42
CENTRAL LUZON	0.69	0.00	0.43	0.75	0.90	0.63	0.81
CALABARZON	0.21	0.23	0.16	0.12	0.13	0.13	0.12
MIMAROPA	0.54	0.49	0.64	0.59	0.57	0.59	0.56
BICOL REGION	0.11	0.12	0.07	0.07	0.06	0.08	0.09
WESTERN VISAYAS	0.42	0.27	0.74	0.73	0.73	0.73	0.72
CENTRAL VISAYAS	0.45	0.42	0.58	0.51	0.47	0.47	0.48
EASTERN VISAYAS	0.27	0.27	0.34	0.33	0.32	0.32	0.32
ZAMBOANGA PENINSULA	0.61	0.45	0.41	0.26	0.22	0.24	0.21
NORTHERN MINDANAO	0.82	0.61	0.47	0.49	0.43	0.47	0.45
DAVAO REGION	0.77	0.69	0.66	0.79	0.78	0.73	0.79
SOCCSKSARGEN	0.41	0.30	0.58	0.56	0.56	0.54	0.55
CARAGA	0.23	0.20	0.28	0.36	0.39	0.37	0.36
ARMM	0.09	0.09	0.08	0.07	0.08	0.07	0.07

TABLE 4.2a CACAO: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
BEARING TREES (no.)							
PHILIPPINES	**5,752,940**	**5,527,038**	**4,825,678**	**4,694,696**	**4,639,556**	**4,323,811**	**4,095,223**
CAR	26,320	12,061	11,230	10,668	12,082	11,116	11,119
ILOCOS REGION	73,850	22,111	18,361	17,869	17,869	17,869	18,118
CAGAYAN VALLEY	28,080	72,106	122,611	75,238	75,238	75,227	74,755
CENTRAL LUZON	6,430	4,642	3,202	3,832	3,832	4,152	16,726
CALABARZON	80,680	76,348	78,743	76,953	76,958	76,958	76,958
MIMAROPA	21,990	28,500	29,308	28,974	27,225	26,635	24,243
BICOL REGION	77,330	68,024	66,089	65,754	65,754	65,875	66,125
WESTERN VISAYAS	125,630	137,350	73,808	74,212	74,212	61,839	60,830
CENTRAL VISAYAS	68,270	66,000	66,785	66,881	66,881	66,831	66,954
EASTERN VISAYAS	154,000	181,967	172,648	172,648	172,648	159,014	159,857
ZAMBOANGA PENINSULA	145,410	159,286	161,283	138,075	137,915	130,242	120,893
NORTHERN MINDANAO	524,100	450,572	497,923	492,709	492,709	497,424	496,603
DAVAO REGION	3,913,010	3,702,450	2,973,515	2,973,515	2,924,515	2,670,072	2,448,075
SOCCSKSARGEN	132,160	197,862	119,143	119,143	119,143	105,350	103,629
CARAGA	273,230	253,000	335,650	282,808	277,658	260,459	259,535
ARMM	102,450	94,759	95,379	95,417	94,917	94,748	90,803
PLANTING DENSITY (Btrees/ha)							
PHILIPPINES	**313**	**340**	**321**	**389**	**387**	**375**	**378**
CAR	798	804	562	561	447	428	426
ILOCOS REGION	470	149	224	218	218	221	224
CAGAYAN VALLEY	253	591	870	315	315	315	314
CENTRAL LUZON	402	4,642	1,067	958	958	519	523
CALABARZON	280	338	234	170	170	170	170
MIMAROPA	147	191	419	397	378	386	367
BICOL REGION	156	187	160	191	191	191	191
WESTERN VISAYAS	121	185	520	505	505	426	425
CENTRAL VISAYAS	303	293	405	405	400	403	401
EASTERN VISAYAS	304	408	431	429	435	403	403
ZAMBOANGA PENINSULA	188	210	199	190	172	166	156
NORTHERN MINDANAO	510	526	406	431	431	458	457
DAVAO REGION	476	460	360	504	493	496	511
SOCCSKSARGEN	150	303	458	537	518	450	469
CARAGA	94	109	216	277	285	269	265
ARMM	66	82	84	84	97	83	87
YIELD PER BEARING TREE (kg)							
PHILIPPINES	**1.7**	**1.4**	**1.6**	**1.4**	**1.4**	**1.3**	**1.4**
CAR	1.8	0.5	0.5	0.7	1.2	1.1	1.2
ILOCOS REGION	1.2	2.4	2.8	2.9	2.9	2.9	3.0
CAGAYAN VALLEY	1.9	0.7	0.8	1.4	1.4	1.4	1.3
CENTRAL LUZON	1.7		0.4	0.8	0.9	1.2	1.5
CALABARZON	0.8	0.7	0.7	0.7	0.8	0.8	0.7
MIMAROPA	3.7	2.6	1.5	1.5	1.5	1.5	1.5
BICOL REGION	0.7	0.7	0.4	0.4	0.3	0.4	0.5
WESTERN VISAYAS	3.4	1.5	1.4	1.4	1.5	1.7	1.7
CENTRAL VISAYAS	1.5	1.4	1.4	1.3	1.2	1.2	1.2
EASTERN VISAYAS	0.9	0.7	0.8	0.8	0.7	0.8	0.8
ZAMBOANGA PENINSULA	3.2	2.1	2.1	1.4	1.3	1.4	1.3
NORTHERN MINDANAO	1.6	1.2	1.2	1.1	1.0	1.0	1.0
DAVAO REGION	1.6	1.5	1.8	1.6	1.6	1.5	1.5
SOCCSKSARGEN	2.7	1.0	1.3	1.1	1.1	1.2	1.2
CARAGA	2.5	1.9	1.3	1.3	1.4	1.4	1.4
ARMM	1.3	1.1	0.9	0.8	0.8	0.8	0.8

TABLE 4.3 CASHEW: PRODUCTION, AREA AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**97,674**	**153,567**	**111,170**	**111,019**	**111,153**	**111,223**	**111,291**
CAR	-	-	-	-	-	-	-
ILOCOS REGION	1,146	1,074	754	712	657	653	604
CAGAYAN VALLEY	3	81	95	102	105	80	78
CENTRAL LUZON	2,181	6,298	7,710	7,421	7,503	8,042	7,979
CALABARZON	623	592	204	218	217	231	237
MIMAROPA	90,441	141,707	100,346	100,217	100,346	100,358	100,592
BICOL REGION	6	9	10	6	5	5	5
WESTERN VISAYAS	1,627	1,788	494	822	764	650	649
CENTRAL VISAYAS	100	188	123	123	123	124	127
EASTERN VISAYAS	-	-	-	-	-	-	-
ZAMBOANGA PENINSULA	-	-	8	6	8	10	11
NORTHERN MINDANAO	1,444	1,564	1,179	1,163	1,196	848	785
DAVAO REGION	49	214	181	173	170	166	162
SOCCSKSARGEN	20	16	17	18	20	20	19
CARAGA	34	35	49	38	38	35	42
ARMM	-	-	-	-	-	-	0.5
AREA (ha)							
PHILIPPINES	**25,646**	**28,353**	**28,787**	**27,981**	**27,979**	**27,863**	**27,801**
CAR	-	-	-	-	-	-	-
ILOCOS REGION	638	597	550	500	500	500	500
CAGAYAN VALLEY	35	47	48	48	48	48	45
CENTRAL LUZON	2,023	2,094	2,520	1,800	1,801	1,781	1,737
CALABARZON	99	95	87	87	87	87	88
MIMAROPA	21,576	24,099	24,546	24,346	24,346	24,346	24,346
BICOL REGION	7	6	5	4	4	3	3
WESTERN VISAYAS	622	538	264	422	421	420	418
CENTRAL VISAYAS	20	20	20	20	20	20	21
EASTERN VISAYAS	-	-	-	-	-	-	-
ZAMBOANGA PENINSULA	1	9	10	10	10	10	10
NORTHERN MINDANAO	518	521	420	424	424	332	318
DAVAO REGION	80	285	268	268	267	266	266
SOCCSKSARGEN	7	8	12	12	12	12	11
CARAGA	20	34	38	38	38	37	37
ARMM	-	-	-	1	1	1	1
YIELD PER HECTARE (mt)							
PHILIPPINES	**3.81**	**5.42**	**3.86**	**3.97**	**3.97**	**3.99**	**4.00**
CAR							
ILOCOS REGION	1.80	1.80	1.37	1.42	1.31	1.31	1.21
CAGAYAN VALLEY	0.08	1.72	1.98	2.12	2.19	1.67	1.73
CENTRAL LUZON	1.08	3.01	3.06	4.12	4.17	4.52	4.59
CALABARZON	6.32	6.24	2.34	2.50	2.49	2.66	2.69
MIMAROPA	4.19	5.88	4.09	4.12	4.12	4.12	4.13
BICOL REGION	0.87	1.46	2.09	1.51	1.36	1.66	1.78
WESTERN VISAYAS	2.62	3.32	1.87	1.95	1.82	1.55	1.55
CENTRAL VISAYAS	5.02	9.42	6.14	6.13	6.16	6.22	6.06
EASTERN VISAYAS							
ZAMBOANGA PENINSULA	0.00	0.00	0.77	0.64	0.79	1.01	1.07
NORTHERN MINDANAO	2.79	3.00	2.81	2.74	2.82	2.55	2.47
DAVAO REGION	0.61	0.75	0.68	0.65	0.64	0.62	0.61
SOCCSKSARGEN	2.89	2.04	1.39	1.50	1.64	1.67	1.77
CARAGA	1.69	1.03	1.30	1.00	1.00	0.95	1.13
ARMM							0.48

TABLE 4.3a CASHEW: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
BEARING TREES (no.)							
PHILIPPINES	**3,178,109**	**3,544,572**	**3,575,290**	**3,535,743**	**3,535,499**	**3,520,050**	**3,515,920**
CAR							
ILOCOS REGION	91,250	86,955	77,370	69,553	69,553	69,553	69,553
CAGAYAN VALLEY	945	5,106	5,134	5,442	5,442	5,446	4,775
CENTRAL LUZON	191,445	228,533	245,172	210,005	210,005	207,940	205,735
CALABARZON	20,003	30,736	11,894	12,393	12,393	12,688	12,687
MIMAROPA	2,697,877	3,010,783	3,104,158	3,084,158	3,084,158	3,084,158	3,084,158
BICOL REGION	775	626	520	420	380	355	355
WESTERN VISAYAS	90,390	76,626	38,158	60,920	60,795	60,661	60,489
CENTRAL VISAYAS	5,000	5,000	5,099	5,100	5,100	5,100	5,304
EASTERN VISAYAS							
ZAMBOANGA PENINSULA	60		800	835	816	867	1,100
NORTHERN MINDANAO	72,803	72,826	56,250	56,250	56,250	43,592	41,705
DAVAO REGION	3,990	24,584	24,626	24,528	24,468	23,980	23,814
SOCCSKSARGEN	1,598	1,467	1,759	1,809	1,809	1,860	1,835
CARAGA	1,973	1,330	4,350	4,330	4,330	3,850	4,290
ARMM							120
PLANTING DENSITY (Btrees/ha)							
PHILIPPINES	**124**	**125**	**124**	**126**	**126**	**126**	**126**
CAR							
ILOCOS REGION	143	146	141	139	139	139	139
CAGAYAN VALLEY	27	109	107	113	113	113	106
CENTRAL LUZON	95	109	97	117	117	117	118
CALABARZON	203	324	136	142	142	146	144
MIMAROPA	125	125	126	127	127	127	127
BICOL REGION	108	101	104	105	95	118	118
WESTERN VISAYAS	145	142	145	144	144	144	145
CENTRAL VISAYAS	250	250	255	255	255	255	253
EASTERN VISAYAS							
ZAMBOANGA PENINSULA	60		80	84	82	87	110
NORTHERN MINDANAO	141	140	134	133	133	131	131
DAVAO REGION	50	86	92	92	92	90	90
SOCCSKSARGEN	228	183	147	151	151	155	167
CARAGA	99	39	114	114	114	104	116
ARMM							120
YIELD PER BEARING TREE (kg)							
PHILIPPINES	**30.7**	**43.3**	**31.1**	**31.4**	**31.4**	**31.6**	**31.7**
CAR							
ILOCOS REGION	12.6	12.3	9.8	10.2	9.4	9.4	8.7
CAGAYAN VALLEY	2.9	15.9	18.5	18.7	19.4	14.7	16.3
CENTRAL LUZON	11.4	1.3	31.4	35.3	35.7	38.7	38.8
CALABARZON	31.1	19.3	17.2	17.6	17.5	18.2	18.7
MIMAROPA	33.5	47.1	32.3	32.5	32.5	32.5	32.6
BICOL REGION	8.0	14.5	20.1	14.4	14.3	14.0	15.0
WESTERN VISAYAS	18.0	23.3	12.9	13.5	12.6	10.7	10.7
CENTRAL VISAYAS	20.1	37.7	24.1	24.0	24.1	24.4	24.0
EASTERN VISAYAS							
ZAMBOANGA PENINSULA			9.6	7.6	9.7	11.6	9.7
NORTHERN MINDANAO	19.8	21.5	21.0	20.7	21.3	19.4	18.8
DAVAO REGION	12.2	8.7	7.3	7.1	6.9	6.9	6.8
SOCCSKSARGEN	12.7	11.1	9.5	9.9	10.9	10.8	10.6
CARAGA	17.1	26.4	11.4	8.8	8.8	9.1	9.7
ARMM							4.0

TABLE 4.4 COCONUT: PRODUCTION, AREA AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**11,941,960**	**12,790,840**	**11,589,010**	**12,994,654**	**13,146,052**	**13,895,116**	**14,121,906**
CAR	875	895	856	875	879	827	773
ILOCOS REGION	14,363	18,053	16,505	19,952	20,484	20,814	22,072
CAGAYAN VALLEY	22,970	34,575	34,929	39,554	44,491	49,085	48,944
CENTRAL LUZON	90,510	133,782	137,490	144,044	153,683	180,858	167,685
CALABARZON	1,434,719	1,402,227	1,227,514	1,245,919	1,258,299	1,424,747	1,381,915
MIMAROPA	382,474	527,698	493,133	515,077	526,000	651,562	629,356
BICOL REGION	830,111	1,013,449	949,170	1,165,456	1,122,499	1,042,786	1,246,495
WESTERN VISAYAS	304,130	292,523	327,503	400,903	446,155	502,640	493,256
CENTRAL VISAYAS	387,070	368,354	281,990	304,634	318,170	330,514	340,520
EASTERN VISAYAS	1,172,465	956,927	1,520,019	1,568,171	1,514,674	1,690,953	1,737,326
ZAMBOANGA PENINSULA	954,161	1,367,318	1,098,754	1,038,372	1,268,404	1,251,103	1,262,631
NORTHERN MINDANAO	947,016	857,731	728,914	1,288,293	1,374,174	1,486,981	1,484,132
DAVAO REGION	2,879,365	3,379,173	2,554,339	2,744,237	2,653,197	2,495,382	2,452,447
SOCCSKSARGEN	852,727	829,013	702,591	704,936	731,154	764,926	800,997
CARAGA	654,751	539,583	481,641	690,404	610,806	887,722	929,556
ARMM	1,014,254	1,069,539	1,033,661	1,123,828	1,102,983	1,114,216	1,123,802
AREA (ha)							
PHILIPPINES	**3,111,978**	**3,094,504**	**3,137,881**	**3,143,909**	**3,148,651**	**3,181,670**	**3,214,226**
CAR	238	246	230	235	236	266	266
ILOCOS REGION	13,701	13,370	12,269	12,123	12,060	10,715	10,823
CAGAYAN VALLEY	6,475	6,598	7,976	8,217	8,224	9,723	9,723
CENTRAL LUZON	36,236	35,471	26,118	27,684	28,568	25,293	25,192
CALABARZON	349,035	345,857	341,873	347,548	350,712	353,199	352,604
MIMAROPA	147,694	148,343	143,846	148,807	149,990	141,392	149,994
BICOL REGION	374,378	374,965	364,970	367,245	369,169	389,293	412,504
WESTERN VISAYAS	118,764	113,289	110,445	113,339	114,904	115,318	115,620
CENTRAL VISAYAS	138,476	133,952	123,940	126,200	126,245	126,586	127,895
EASTERN VISAYAS	341,058	330,140	361,905	364,808	364,426	368,322	368,535
ZAMBOANGA PENINSULA	328,578	318,946	324,485	323,765	321,928	318,514	318,279
NORTHERN MINDANAO	276,908	272,842	291,255	286,221	284,866	299,576	298,345
DAVAO REGION	380,870	383,890	373,201	369,204	368,681	376,224	374,175
SOCCSKSARGEN	142,992	136,249	146,827	148,540	150,805	153,743	156,601
CARAGA	220,811	218,193	232,130	228,178	227,481	237,574	237,738
ARMM	235,764	262,153	276,411	271,795	270,356	255,932	255,932
YIELD PER HECTARE (mt)							
PHILIPPINES	**3.84**	**4.13**	**3.69**	**4.13**	**4.18**	**4.37**	**4.39**
CAR	3.67	3.63	3.72	3.73	3.72	3.11	2.91
ILOCOS REGION	1.05	1.35	1.35	1.65	1.70	1.94	2.04
CAGAYAN VALLEY	3.55	5.24	4.38	4.81	5.41	5.05	5.03
CENTRAL LUZON	2.50	3.77	5.26	5.20	5.38	7.15	6.66
CALABARZON	4.11	4.05	3.59	3.58	3.59	4.03	3.92
MIMAROPA	2.59	3.56	3.43	3.46	3.51	4.61	4.20
BICOL REGION	2.22	2.70	2.60	3.17	3.04	2.68	3.02
WESTERN VISAYAS	2.56	2.58	2.97	3.54	3.88	4.36	4.27
CENTRAL VISAYAS	2.80	2.75	2.28	2.41	2.52	2.61	2.66
EASTERN VISAYAS	3.44	2.90	4.20	4.30	4.16	4.59	4.71
ZAMBOANGA PENINSULA	2.90	4.29	3.39	3.21	3.94	3.93	3.97
NORTHERN MINDANAO	3.42	3.14	2.50	4.50	4.82	4.96	4.97
DAVAO REGION	7.56	8.80	6.84	7.43	7.20	6.63	6.55
SOCCSKSARGEN	5.96	6.08	4.79	4.75	4.85	4.98	5.11
CARAGA	2.97	2.47	2.07	3.03	2.69	3.74	3.91
ARMM	4.30	4.08	3.74	4.13	4.08	4.35	4.39

TABLE 4.4a COCONUT: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
BEARING TREES (no.)							
PHILIPPINES	**302,297,227**	**301,309,547**	**299,748,945**	**300,833,466**	**297,438,528**	**312,944,023**	**324,317,277**
CAR	27,620	28,061	28,469	28,325	28,365	32,646	32,666
ILOCOS REGION	553,678	648,248	591,737	686,286	687,046	725,380	806,193
CAGAYAN VALLEY	671,650	679,685	685,466	688,007	689,280	1,339,485	1,348,958
CENTRAL LUZON	2,701,622	2,664,210	2,066,091	2,159,834	2,166,453	2,440,770	2,443,572
CALABARZON	48,539,600	45,662,653	43,376,789	43,476,408	43,365,359	43,522,729	43,484,552
MIMAROPA	18,102,840	17,394,259	16,413,795	16,321,147	16,285,621	16,477,707	16,475,757
BICOL REGION	21,241,090	21,037,465	20,998,986	21,309,925	21,404,950	28,297,953	32,679,913
WESTERN VISAYAS	7,975,580	7,905,449	7,883,641	7,890,092	7,879,408	9,048,251	9,048,251
CENTRAL VISAYAS	13,490,840	13,211,906	12,500,878	12,524,145	12,324,206	11,809,257	12,720,513
EASTERN VISAYAS	35,426,690	38,083,458	40,986,775	41,870,477	41,904,107	42,577,962	47,790,617
ZAMBOANGA PENINSULA	29,543,860	28,551,039	28,421,742	28,430,755	26,372,886	28,453,608	29,703,098
NORTHERN MINDANAO	23,747,060	23,244,632	23,420,211	23,379,186	22,450,206	26,273,371	26,022,325
DAVAO REGION	37,677,600	38,139,575	37,490,812	37,425,449	37,105,790	38,080,557	37,863,328
SOCCSKSARGEN	12,808,088	12,442,312	11,503,056	11,273,688	11,001,056	10,546,966	11,366,380
CARAGA	24,409,179	23,620,011	22,656,501	22,638,621	23,065,610	22,229,550	22,232,300
ARMM	25,380,230	27,996,582	30,723,996	30,731,121	30,708,185	31,087,831	30,298,854
PLANTING DENSITY (Btrees/ha)							
PHILIPPINES	**97**	**97**	**96**	**96**	**94**	**98**	**101**
CAR	116	114	124	121	120	123	123
ILOCOS REGION	40	48	48	57	57	68	74
CAGAYAN VALLEY	104	103	86	84	84	138	139
CENTRAL LUZON	75	75	79	78	76	96	97
CALABARZON	139	132	127	125	124	123	123
MIMAROPA	123	117	114	110	109	117	110
BICOL REGION	57	56	58	58	58	73	79
WESTERN VISAYAS	67	70	71	70	69	78	78
CENTRAL VISAYAS	97	99	101	99	98	93	99
EASTERN VISAYAS	104	115	113	115	115	116	130
ZAMBOANGA PENINSULA	90	90	88	88	82	89	93
NORTHERN MINDANAO	86	85	80	82	79	88	87
DAVAO REGION	99	99	100	101	101	101	101
SOCCSKSARGEN	90	91	78	76	73	69	73
CARAGA	111	108	98	99	101	94	94
ARMM	108	107	111	113	114	121	118
YIELD PER BEARING TREE (kg)							
PHILIPPINES	**40**	**42**	**39**	**43**	**44**	**44**	**44**
CAR	32	32	30	31	31	25	23.7
ILOCOS REGION	26	28	28	29	30	29	27.4
CAGAYAN VALLEY	34	51	51	57	65	37	36.3
CENTRAL LUZON	34		67	67	71	74	68.6
CALABARZON	30	31	28	29	29	33	31.8
MIMAROPA	21	30	30	32	32	40	38.2
BICOL REGION	39	48	45	55	52	37	38.1
WESTERN VISAYAS	38	37	42	51	57	56	54.5
CENTRAL VISAYAS	29	28	23	24	26	28	26.8
EASTERN VISAYAS	33	25	37	37	36	40	36.4
ZAMBOANGA PENINSULA	32	48	39	37	48	44	42.5
NORTHERN MINDANAO	40	37	31	55	61	57	57.0
DAVAO REGION	76	89	68	73	72	66	64.8
SOCCSKSARGEN	67	67	61	63	66	73	70.5
CARAGA	27	23	21	30	26	40	41.8
ARMM	40	38	34	37	36	36	37.1

TABLE 4.5 COFFEE: PRODUCTION, AREA AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**125,659**	**127,412**	**104,124**	**107,557**	**112,271**	**107,080**	**106,388**
CAR	6,352	5,328	5,578	5,944	7,073	6,339	5,766
ILOCOS REGION	50	59	68	69	69	68	72
CAGAYAN VALLEY	1,113	1,878	2,267	2,134	2,386	2,257	2,087
CENTRAL LUZON	2,668	2,353	2,037	2,079	2,036	2,010	1,778
CALABARZON	21,083	21,240	11,873	11,318	13,778	12,648	12,953
MIMAROPA	2,769	880	318	299	262	223	214
BICOL REGION	1,379	1,155	848	498	506	515	497
WESTERN VISAYAS	7,624	7,798	5,840	6,182	6,117	6,306	6,241
CENTRAL VISAYAS	889	854	827	830	799	786	742
EASTERN VISAYAS	554	469	181	198	210	219	222
ZAMBOANGA PENINSULA	1,053	1,357	1,412	1,271	1,334	1,376	1,347
NORTHERN MINDANAO	9,990	7,855	6,582	6,601	6,209	6,286	6,201
DAVAO REGION	43,031	40,686	33,556	35,090	35,329	33,825	33,162
SOCCSKSARGEN	12,301	19,581	17,768	19,000	20,663	19,151	19,875
CARAGA	6,095	5,717	4,172	4,243	4,247	4,281	4,291
ARMM	8,707	10,200	10,798	11,802	11,253	10,791	10,941
AREA (ha)							
PHILIPPINES	**144,007**	**140,897**	**133,208**	**136,921**	**135,354**	**132,408**	**131,790**
CAR	6,255	7,392	7,438	7,747	7,528	7,628	7,628
ILOCOS REGION	84	105	111	111	112	112	112
CAGAYAN VALLEY	3,376	3,779	3,767	3,745	3,732	3,746	3,646
CENTRAL LUZON	3,166	2,764	2,110	1,903	1,963	1,683	1,643
CALABARZON	19,813	18,237	17,993	16,978	16,970	16,777	16,766
MIMAROPA	3,053	1,728	1,052	1,073	1,048	959	957
BICOL REGION	2,650	2,669	1,654	1,200	1,044	1,020	1,019
WESTERN VISAYAS	11,918	11,474	10,146	10,127	10,126	10,108	10,108
CENTRAL VISAYAS	2,416	2,246	1,719	1,700	1,691	1,670	1,647
EASTERN VISAYAS	689	604	340	382	387	406	406
ZAMBOANGA PENINSULA	1,581	1,828	1,847	1,602	1,594	1,657	1,657
NORTHERN MINDANAO	20,638	16,941	14,824	14,917	13,620	13,427	13,315
DAVAO REGION	38,223	35,630	31,283	31,923	31,489	30,152	29,959
SOCCSKSARGEN	12,888	16,466	20,904	24,863	25,423	24,495	24,495
CARAGA	5,565	5,334	4,216	4,869	4,862	4,837	4,837
ARMM	11,692	13,700	13,804	13,781	13,765	13,731	13,595
YIELD PER HECTARE (mt)							
PHILIPPINES	**0.87**	**0.90**	**0.78**	**0.79**	**0.83**	**0.81**	**0.81**
CAR	1.02	0.72	0.75	0.77	0.94	0.83	0.76
ILOCOS REGION	0.59	0.57	0.61	0.62	0.61	0.61	0.64
CAGAYAN VALLEY	0.33	0.50	0.60	0.57	0.64	0.60	0.57
CENTRAL LUZON	0.84	0.85	0.97	1.09	1.04	1.19	1.08
CALABARZON	1.06	1.16	0.66	0.67	0.81	0.75	0.77
MIMAROPA	0.91	0.51	0.30	0.28	0.25	0.23	0.22
BICOL REGION	0.52	0.43	0.51	0.42	0.49	0.50	0.49
WESTERN VISAYAS	0.64	0.68	0.58	0.61	0.60	0.62	0.62
CENTRAL VISAYAS	0.37	0.38	0.48	0.49	0.47	0.47	0.45
EASTERN VISAYAS	0.80	0.78	0.53	0.52	0.54	0.54	0.55
ZAMBOANGA PENINSULA	0.67	0.74	0.76	0.79	0.84	0.83	0.81
NORTHERN MINDANAO	0.48	0.46	0.44	0.44	0.46	0.47	0.47
DAVAO REGION	1.13	1.14	1.07	1.10	1.12	1.12	1.11
SOCCSKSARGEN	0.95	1.19	0.85	0.76	0.81	0.78	0.81
CARAGA	1.10	1.07	0.99	0.87	0.87	0.88	0.89
ARMM	0.74	0.74	0.78	0.86	0.82	0.79	0.80

TABLE 4.5a COFFEE: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
BEARING TREES (no.)							
PHILIPPINES	**99,499,931**	**100,062,397**	**91,959,208**	**95,112,874**	**95,961,496**	**93,536,210**	**91,521,752**
CAR	3,774,327	4,482,655	4,589,340	4,782,632	5,114,702	4,714,294	4,714,256
ILOCOS REGION	56,082	67,416	71,929	73,703	73,896	73,440	73,804
CAGAYAN VALLEY	2,233,221	2,560,257	2,645,015	2,626,600	2,612,576	2,618,609	2,545,839
CENTRAL LUZON	1,973,295	1,810,235	1,532,084	1,290,392	1,270,659	1,188,562	1,137,750
CALABARZON	17,835,799	16,837,884	15,556,006	14,665,338	14,709,147	14,423,727	14,395,485
MIMAROPA	1,760,575	813,206	449,209	444,469	415,917	360,788	360,788
BICOL REGION	1,634,398	1,787,484	1,158,954	796,070	722,857	718,656	723,847
WESTERN VISAYAS	5,589,242	6,608,883	6,095,603	6,101,657	6,101,198	6,092,128	6,090,289
CENTRAL VISAYAS	1,329,140	1,203,205	1,201,356	1,190,952	1,181,927	1,177,927	1,145,946
EASTERN VISAYAS	405,481	381,013	167,652	208,778	215,680	212,180	212,180
ZAMBOANGA PENINSULA	911,963	936,371	907,404	886,204	830,655	861,854	861,854
NORTHERN MINDANAO	11,345,509	9,344,012	7,919,903	7,878,050	7,244,270	7,054,575	7,004,713
DAVAO REGION	29,866,291	28,539,037	24,196,083	25,872,353	26,644,609	25,613,444	24,331,506
SOCCSKSARGEN	8,395,482	12,132,181	13,840,182	16,287,565	16,659,023	16,131,635	16,131,635
CARAGA	4,670,270	4,478,484	3,186,987	3,194,032	3,195,637	3,151,308	3,143,533
ARMM	7,718,856	8,080,074	8,441,501	8,814,079	8,968,743	9,143,083	8,648,327
PLANTING DENSITY (Btrees/ha)							
PHILIPPINES	**691**	**710**	**690**	**695**	**709**	**706**	**694**
CAR	603	606	617	617	679	618	618
ILOCOS REGION	668	642	648	664	660	656	659
CAGAYAN VALLEY	661	677	702	701	700	699	698
CENTRAL LUZON	623	655	726	678	647	706	692
CALABARZON	900	923	865	864	867	860	859
MIMAROPA	577	471	427	414	397	376	377
BICOL REGION	617	670	701	663	693	705	710
WESTERN VISAYAS	469	576	601	603	603	603	603
CENTRAL VISAYAS	550	536	699	701	699	705	696
EASTERN VISAYAS	589	631	493	547	557	523	523
ZAMBOANGA PENINSULA	577	512	491	553	521	520	520
NORTHERN MINDANAO	550	552	534	528	532	525	526
DAVAO REGION	781	801	773	810	846	849	812
SOCCSKSARGEN	651	737	662	655	655	659	659
CARAGA	839	840	756	656	657	652	650
ARMM	660	590	612	640	652	666	636
YIELD PER BEARING TREE (kg)							
PHILIPPINES	**1.3**	**1.3**	**1.1**	**1.1**	**1.2**	**1.1**	**1.2**
CAR	1.7	1.2	1.2	1.2	1.4	1.3	1.2
ILOCOS REGION	0.9	0.9	0.9	0.9	0.9	0.9	1.0
CAGAYAN VALLEY	0.5	0.7	0.9	0.8	0.9	0.9	0.8
CENTRAL LUZON	1.4	1.3	1.3	1.6	1.6	1.7	1.6
CALABARZON	1.2	1.3	0.8	0.8	0.9	0.9	0.9
MIMAROPA	1.6	1.1	0.7	0.7	0.6	0.6	0.6
BICOL REGION	0.8	0.6	0.7	0.6	0.7	0.7	0.7
WESTERN VISAYAS	1.4	1.2	1.0	1.0	1.0	1.0	1.0
CENTRAL VISAYAS	0.7	0.7	0.7	0.7	0.7	0.7	0.6
EASTERN VISAYAS	1.4	1.2	1.1	1.0	1.0	1.0	1.0
ZAMBOANGA PENINSULA	1.2	1.4	1.6	1.4	1.6	1.6	1.6
NORTHERN MINDANAO	0.9	0.8	0.8	0.8	0.9	0.9	0.9
DAVAO REGION	1.4	1.4	1.4	1.4	1.3	1.3	1.4
SOCCSKSARGEN	1.5	1.6	1.3	1.2	1.2	1.2	1.2
CARAGA	1.3	1.3	1.3	1.3	1.3	1.4	1.4
ARMM	1.1	1.3	1.3	1.3	1.3	1.2	1.3

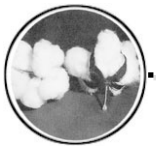


TABLE 4.6 COTTON: PRODUCTION, AREA AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**12,520**	**8,093**	**3,151**	**1,114**	**2,489**	**4,541**	**2,231**
CAR							
ILOCOS REGION	1,622	2,360	485	173	619	481	441
CAGAYAN VALLEY							
CENTRAL LUZON	1	275	30	12	86	7	
CALABARZON							
MIMAROPA							
BICOL REGION							
WESTERN VISAYAS	615	145	48	15	174	658	228
CENTRAL VISAYAS	90	705	176	67	141	261	337
EASTERN VISAYAS							
ZAMBOANGA PENINSULA		354	188	61	114	76	164
NORTHERN MINDANAO	248	100					
DAVAO REGION		48	25	2	-	263	180
SOCCSKSARGEN	8,007	3,208	1,512	496	842	2,494	624
CARAGA							
ARMM	1,937	900	687	287	514	300	257
AREA (ha)							
PHILIPPINES	**10,569**	**7,675**	**4,028**	**2,535**	**3,219**	**4,163**	**1,994**
CAR							
ILOCOS REGION	1,032	1,024	489	489	518	372	324
CAGAYAN VALLEY							
CENTRAL LUZON	9	168	120	120	100	8	
CALABARZON							
MIMAROPA							
BICOL REGION							
WESTERN VISAYAS	926	184	55	55	188	341	166
CENTRAL VISAYAS	227	871	787	787	420	344	334
EASTERN VISAYAS							
ZAMBOANGA PENINSULA		550	231	360	474	174	160
NORTHERN MINDANAO	564	100					
DAVAO REGION		53	34	14	5	202	150
SOCCSKSARGEN	4,141	4,055	1,325	298	363	2,322	604
CARAGA							
ARMM	3,670	670	987	412	1,151	400	257
YIELD PER HECTARE (mt)							
PHILIPPINES	**1.18**	**1.05**	**0.78**	**0.44**	**0.77**	**1.09**	**1.12**
CAR							
ILOCOS REGION	1.57	2.30	0.99	0.35	1.19	1.29	1.36
CAGAYAN VALLEY							
CENTRAL LUZON	0.12	1.64	0.25	0.10	0.85	0.88	
CALABARZON							
MIMAROPA							
BICOL REGION							
WESTERN VISAYAS	0.66	0.79	0.88	0.27	0.93	1.93	1.38
CENTRAL VISAYAS	0.40	0.81	0.22	0.09	0.33	0.76	1.01
EASTERN VISAYAS							
ZAMBOANGA PENINSULA		0.64	0.81	0.17	0.24	0.43	1.03
NORTHERN MINDANAO	0.44	1.00					
DAVAO REGION		0.90	0.73	0.14	0.00	1.30	1.20
SOCCSKSARGEN	1.93	0.79	1.14	1.66	2.32	1.07	1.03
CARAGA							
ARMM	0.53	1.34	0.70	0.70	0.45	0.75	1.00

TABLE 4.7 RUBBER: PRODUCTION, AREA AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**185,392**	**181,619**	**214,575**	**216,309**	**264,042**	**267,712**	**273,979**
CAR							
ILOCOS REGION							
CAGAYAN VALLEY							
CENTRAL LUZON							
CALABARZON						14	11
MIMAROPA			3	3	3	7	14
BICOL REGION							
WESTERN VISAYAS							
CENTRAL VISAYAS							
EASTERN VISAYAS							
ZAMBOANGA PENINSULA	86,343	85,460	93,537	103,742	151,183	147,248	145,928
NORTHERN MINDANAO	4,298	4,190	10,384	10,586	7,244	9,853	9,692
DAVAO REGION	12,279	14,545	12,237	13,453	13,530	13,616	15,390
SOCCSKSARGEN	49,227	33,174	58,977	54,943	49,798	53,918	60,022
CARAGA	10,148	21,154	19,779	14,161	16,809	16,958	17,247
ARMM	23,097	23,096	19,657	19,421	25,475	26,097	25,676
AREA (ha)							
PHILIPPINES	**86,332**	**86,668**	**91,536**	**81,036**	**78,108**	**81,087**	**80,144**
CAR							
ILOCOS REGION							
CAGAYAN VALLEY							
CENTRAL LUZON							
CALABARZON						212	212
MIMAROPA			40	40	40	40	40
BICOL REGION							
WESTERN VISAYAS							
CENTRAL VISAYAS							
EASTERN VISAYAS							
ZAMBOANGA PENINSULA	33,091	31,501	32,117	32,278	31,574	32,395	32,438
NORTHERN MINDANAO	3,828	4,648	4,825	4,808	4,794	4,579	4,526
DAVAO REGION	5,695	6,240	6,476	6,687	6,626	6,690	6,678
SOCCSKSARGEN	21,679	22,172	26,473	23,878	21,734	23,878	22,964
CARAGA	9,559	9,547	8,840	5,610	5,605	5,558	5,560
ARMM	12,480	12,560	12,765	7,735	7,735	7,735	7,726
YIELD PER HECTARE (mt)							
PHILIPPINES	**2.15**	**2.10**	**2.34**	**2.67**	**3.38**	**3.30**	**3.42**
CAR							
ILOCOS REGION							
CAGAYAN VALLEY							
CENTRAL LUZON							
CALABARZON						0.07	0.05
MIMAROPA			0.08	0.08	0.08	0.17	0.34
BICOL REGION							
WESTERN VISAYAS							
CENTRAL VISAYAS							
EASTERN VISAYAS							
ZAMBOANGA PENINSULA	2.61	2.71	2.91	3.21	4.79	4.55	4.50
NORTHERN MINDANAO	1.12	0.90	2.15	2.20	1.51	2.15	2.14
DAVAO REGION	2.16	2.33	1.89	2.01	2.04	2.04	2.30
SOCCSKSARGEN	2.27	1.50	2.23	2.30	2.29	2.26	2.61
CARAGA	1.06	2.22	2.24	2.52	3.00	3.05	3.10
ARMM	1.85	1.84	1.54	2.51	3.29	3.37	3.32

TABLE 4.7a RUBBER: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
BEARING TREES (no.)							
PHILIPPINES	**18,729,000**	**23,886,000**	**26,810,997**	**25,250,262**	**25,190,726**	**25,127,597**	**24,992,305**
CAR							
ILOCOS REGION							
CAGAYAN VALLEY							
CENTRAL LUZON							
CALABARZON						7,380	7,380
MIMAROPA			31,000	31,000	31,000	31,000	31,000
BICOL REGION							
WESTERN VISAYAS							
CENTRAL VISAYAS							
EASTERN VISAYAS							
ZAMBOANGA PENINSULA	9,110,700	11,377,221	11,526,414	11,553,434	11,553,434	11,566,141	11,567,480
NORTHERN MINDANAO	388,290	452,860	464,367	456,730	456,730	423,571	418,704
DAVAO REGION	939,590	1,480,686	1,506,622	1,551,665	1,493,558	1,447,415	1,442,267
SOCCSKSARGEN	3,701,110	3,861,748	7,148,368	7,148,368	7,148,368	7,146,768	7,010,827
CARAGA	1,456,930	3,580,261	2,845,975	2,526,500	2,525,400	2,524,696	2,524,696
ARMM	3,132,380	3,133,224	3,288,251	1,982,565	1,982,236	1,980,626	1,989,951
PLANTING DENSITY (Btrees/ha)							
PHILIPPINES	**217**	**276**	**293**	**312**	**323**	**310**	**312**
CAR							
ILOCOS REGION							
CAGAYAN VALLEY							
CENTRAL LUZON							
CALABARZON						35	35
MIMAROPA			775	775	775	775	775
BICOL REGION							
WESTERN VISAYAS							
CENTRAL VISAYAS							
EASTERN VISAYAS							
ZAMBOANGA PENINSULA	275	361	359	358	366	357	357
NORTHERN MINDANAO	101	97	96	95	95	93	93
DAVAO REGION	165	237	233	232	225	216	216
SOCCSKSARGEN	171	174	270	299	329	299	305
CARAGA	152	375	322	450	451	454	454
ARMM	251	249	258	256	256	256	258
YIELD PER BEARING TREE (kg)							
PHILIPPINES	**10**	**8**	**8**	**9**	**10**	**11**	**11**
CAR							
ILOCOS REGION							
CAGAYAN VALLEY							
CENTRAL LUZON							
CALABARZON						2	1
MIMAROPA			0.1	0.1	0.1	0.2	0.4
BICOL REGION							
WESTERN VISAYAS							
CENTRAL VISAYAS							
EASTERN VISAYAS							
ZAMBOANGA PENINSULA	9	8	8	9	13	13	13
NORTHERN MINDANAO	11	9	22	23	16	23	23
DAVAO REGION	13	10	8	9	9	9	11
SOCCSKSARGEN	13	9	8	8	7	8	9
CARAGA	7	6	7	6	7	7	7
ARMM	7	7	6	10	13	13	13

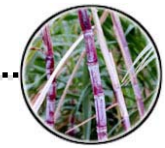


TABLE 4.8 SUGARCANE: PRODUCTION, AREA AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**18,666,861**	**17,774,401**	**23,777,828**	**21,223,438**	**21,708,722**	**21,417,288**	**23,981,269**
CAR				475	475	475	480
ILOCOS REGION	44,446	17,561		11,794	10,155	9,258	18,293
CAGAYAN VALLEY	55,459	91,955	190,187	111,374	151,196	157,757	246,888
CENTRAL LUZON	2,178,020	1,109,005	1,275,730	1,557,413	1,454,907	1,531,828	1,427,670
CALABARZON	1,789,633	1,793,497	2,116,718	1,806,791	2,003,688	1,925,462	1,657,150
MIMAROPA							
BICOL REGION	49,158	216,666	240,083	239,029	244,014	218,609	317,333
WESTERN VISAYAS	11,119,738	10,337,607	13,703,281	11,465,136	11,739,638	11,130,645	12,755,236
CENTRAL VISAYAS	1,349,014	1,804,800	2,352,194	2,067,245	2,097,792	1,977,635	2,274,269
EASTERN VISAYAS	674,382	606,887	831,929	523,360	564,340	443,400	559,886
ZAMBOANGA PENINSULA			110	251	772	638	601
NORTHERN MINDANAO	1,225,957	1,361,109	1,786,983	1,931,933	1,765,352	2,643,022	3,165,902
DAVAO REGION	181,054	408,804	506,342	534,598	495,571	544,962	531,162
SOCCSKSARGEN		26,509	774,271	973,973	1,167,331	802,264	964,968
CARAGA				40	63	31	30
ARMM				28	13,427	31,301	61,401
AREA (ha)							
PHILIPPINES	**235,269**	**302,005**	**404,065**	**383,824**	**373,705**	**359,866**	**389,421**
CAR				19	19	19	19
ILOCOS REGION	762	298		318	272	272	468
CAGAYAN VALLEY	678	1,562	5,612	5,114	4,314	4,510	4,346
CENTRAL LUZON	26,630	18,848	24,349	28,554	25,845	28,302	28,091
CALABARZON	21,882	30,474	30,924	28,908	30,748	31,487	28,919
MIMAROPA							
BICOL REGION	601	3,681	5,926	5,941	6,144	5,960	6,060
WESTERN VISAYAS	135,964	175,644	224,989	199,932	196,292	175,678	187,906
CENTRAL VISAYAS	23,234	30,665	44,483	45,232	41,650	40,211	40,394
EASTERN VISAYAS	8,246	10,311	12,012	8,670	10,358	10,225	8,979
ZAMBOANGA PENINSULA			32	76	189	158	148
NORTHERN MINDANAO	14,990	23,126	30,818	33,082	28,960	38,355	56,135
DAVAO REGION	2,282	6,946	9,994	11,411	11,009	11,422	10,129
SOCCSKSARGEN		450	14,926	16,563	17,698	12,803	16,764
CARAGA				3	5	3	3
ARMM				2	202	461	1,061
YIELD PER HECTARE (mt)							
PHILIPPINES	**79.34**	**58.85**	**58.85**	**55.29**	**58.09**	**59.51**	**61.58**
CAR				25.00	25.00	25.00	25.26
ILOCOS REGION	58.33	58.93		37.13	37.32	34.01	39.09
CAGAYAN VALLEY	81.80	58.87	33.89	21.78	35.05	34.98	56.81
CENTRAL LUZON	81.79	58.84	52.39	54.54	56.29	54.12	50.82
CALABARZON	81.79	58.85	68.45	62.50	65.16	61.15	57.30
MIMAROPA							
BICOL REGION	81.79	58.86	40.51	40.23	39.72	36.68	52.37
WESTERN VISAYAS	81.78	58.86	60.91	57.35	59.81	63.36	67.88
CENTRAL VISAYAS	58.06	58.86	52.88	45.70	50.37	49.18	56.30
EASTERN VISAYAS	81.78	58.86	69.26	60.37	54.48	43.37	62.36
ZAMBOANGA PENINSULA			3.44	3.30	4.08	4.04	4.06
NORTHERN MINDANAO	81.78	58.86	57.99	58.40	60.96	68.91	56.40
DAVAO REGION	79.34	58.85	50.66	46.85	45.02	47.71	52.44
SOCCSKSARGEN		58.91	51.87	58.80	65.96	62.66	57.56
CARAGA				13.17	12.57	10.43	11.88
ARMM				16.20	66.55	67.87	57.86

TABLE 4.9 TOBACCO: PRODUCTION, AREA AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**81,723**	**63,705**	**51,693**	**49,529**	**48,173**	**50,174**	**52,902**
CAR	1,018	1,010	734	761	782	793	796
ILOCOS REGION	66,619	48,657	38,733	37,409	35,591	36,798	38,736
CAGAYAN VALLEY	6,331	9,319	8,913	7,932	7,917	7,859	7,688
CENTRAL LUZON	1,048	633	447	448	435	449	434
CALABARZON	5						
MIMAROPA	1,480	1,655	1,097	1,196	1,852	2,490	3,534
BICOL REGION	11	10	10	9	8	9	9
WESTERN VISAYAS	624	159	274	164	146	398	346
CENTRAL VISAYAS	740	257	232	207	220	218	194
EASTERN VISAYAS	40	22	19	19	20	20	21
ZAMBOANGA PENINSULA	55	7	10	10	13	15	16
NORTHERN MINDANAO	500	1,639	780	1,032	850	846	829
DAVAO REGION	23	28	24	27	32	30	28
SOCCSKSARGEN	36	33	197	96	115	65	90
CARAGA	18	15	20	25	27	24	24
ARMM	3,175	261	203	194	166	160	158
AREA (ha)							
PHILIPPINES	**63,200**	**56,306**	**47,306**	**44,042**	**40,903**	**40,659**	**41,723**
CAR	1,287	1,951	2,009	2,014	2,019	2,019	2,019
ILOCOS REGION	47,797	34,823	29,226	29,426	29,426	29,426	30,419
CAGAYAN VALLEY	4,665	12,221	10,148	7,350	4,350	4,418	4,362
CENTRAL LUZON	900	788	554	950	950	955	940
CALABARZON	8						
MIMAROPA	1,612	1,735	1,278	1,300	1,300	1,190	1,466
BICOL REGION	18	17	18	24	24	12	12
WESTERN VISAYAS	818	231	250	166	163	249	199
CENTRAL VISAYAS	1,166	272	626	602	567	426	424
EASTERN VISAYAS	67	42	73	73	73	48	49
ZAMBOANGA PENINSULA	134	27	34	34	36	47	37
NORTHERN MINDANAO	1,298	3,562	2,441	1,720	1,700	1,600	1,520
DAVAO REGION	39	52	43	33	27	28	26
SOCCSKSARGEN	57	41	130	75	68	47	68
CARAGA	34	33	41	40	28	22	22
ARMM	3,300	510	435	235	172	172	160
YIELD PER HECTARE (mt)							
PHILIPPINES	**1.29**	**1.13**	**1.09**	**1.12**	**1.18**	**1.23**	**1.27**
CAR	0.79	0.52	0.37	0.38	0.39	0.39	0.39
ILOCOS REGION	1.39	1.40	1.33	1.27	1.21	1.25	1.27
CAGAYAN VALLEY	1.36	0.76	0.88	1.08	1.82	1.78	1.76
CENTRAL LUZON	1.16	0.80	0.81	0.47	0.46	0.47	0.46
CALABARZON	0.63						
MIMAROPA	0.92	0.95	0.86	0.92	1.42	2.09	2.41
BICOL REGION	0.61	0.58	0.57	0.36	0.35	0.74	0.72
WESTERN VISAYAS	0.76	0.69	1.10	0.99	0.90	1.60	1.74
CENTRAL VISAYAS	0.63	0.94	0.37	0.34	0.39	0.51	0.46
EASTERN VISAYAS	0.60	0.52	0.25	0.26	0.27	0.42	0.42
ZAMBOANGA PENINSULA	0.41	0.26	0.29	0.30	0.35	0.33	0.43
NORTHERN MINDANAO	0.39	0.46	0.32	0.60	0.50	0.53	0.55
DAVAO REGION	0.59	0.54	0.56	0.81	1.20	1.07	1.08
SOCCSKSARGEN	0.63	0.81	1.52	1.28	1.69	1.38	1.32
CARAGA	0.53	0.45	0.49	0.63	0.97	1.11	1.09
ARMM	0.96	0.51	0.47	0.83	0.96	0.93	0.99

V. VEGETABLES, ROOT CROPS & TUBERS

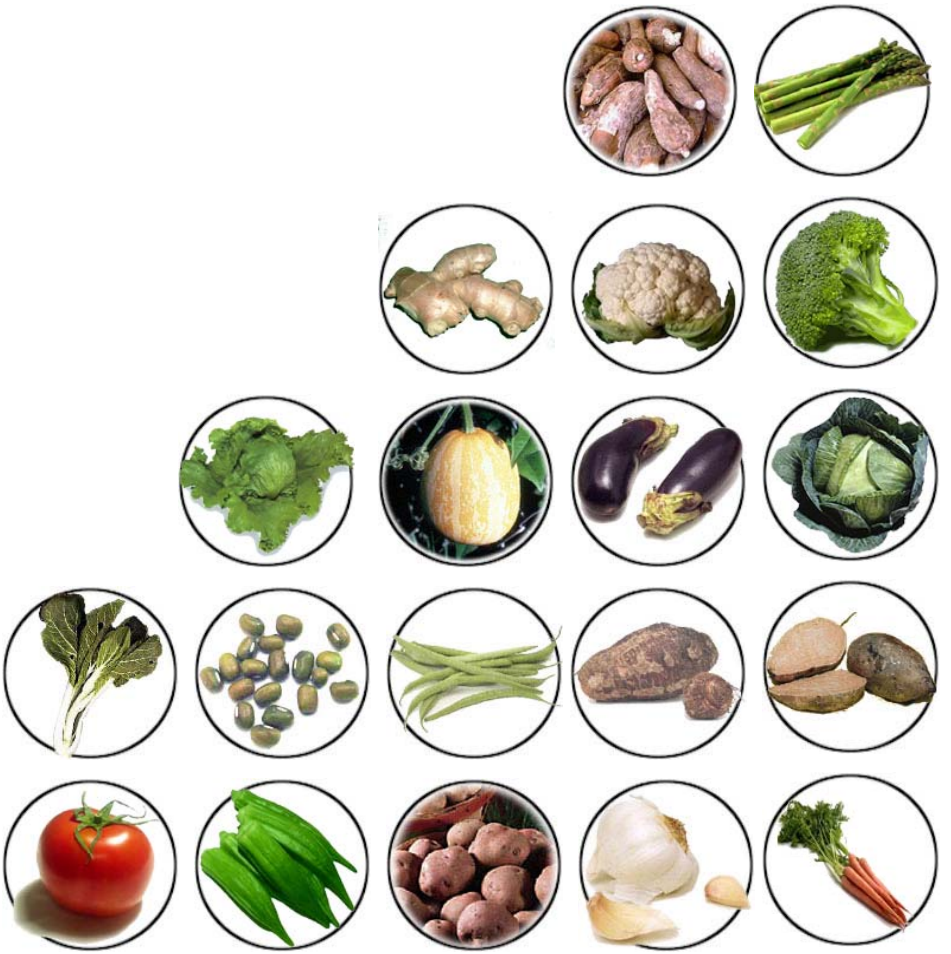


TABLE 5.1 ASPARAGUS: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**1,908**	**10,842**	**6,332**	**6,429**	**8,577**	**12,566**	**15,211**
CAR	60	62	47	44	41	33	16
ILOCOS REGION							
CAGAYAN VALLEY							
CENTRAL LUZON	45	50					
CALABARZON							
MIMAROPA							
BICOL REGION							
WESTERN VISAYAS	1	219	1	1	1	1	0.5
CENTRAL VISAYAS					2	2	2
EASTERN VISAYAS							
ZAMBOANGA PENINSULA							
NORTHERN MINDANAO	22		6	6	5	4	203
DAVAO REGION							
SOCCSKSARGEN	1,780	10,511	6,279	6,379	8,529	12,527	14,989
CARAGA							
ARMM							
AREA (ha)							
PHILIPPINES	**262**	**1,291**	**1,423**	**1,502**	**1,784**	**2,270**	**2,471**
CAR	16	12	10	9	8	7	4
ILOCOS REGION							
CAGAYAN VALLEY							
CENTRAL LUZON	25	28					
CALABARZON							
MIMAROPA							
BICOL REGION							
WESTERN VISAYAS	1	51	1	1	1	1	0.3
CENTRAL VISAYAS					5	5	5
EASTERN VISAYAS							
ZAMBOANGA PENINSULA							
NORTHERN MINDANAO	20		2	2	2	2	194
DAVAO REGION							
SOCCSKSARGEN	200	1,200	1,410	1,490	1,768	2,255	2,268
CARAGA							
ARMM							
YIELD PER HECTARE (mt)							
PHILIPPINES	**7.28**	**8.40**	**4.45**	**4.28**	**4.81**	**5.54**	**6.16**
CAR	3.75	5.19	4.65	4.83	5.12	4.68	4.10
ILOCOS REGION							
CAGAYAN VALLEY							
CENTRAL LUZON	1.80	1.78					
CALABARZON							
MIMAROPA							
BICOL REGION							
WESTERN VISAYAS	1.21	4.30	1.00	0.60	0.70	0.85	1.77
CENTRAL VISAYAS					0.37	0.35	0.32
EASTERN VISAYAS							
ZAMBOANGA PENINSULA							
NORTHERN MINDANAO	1.08		2.96	3.03	2.29	2.01	1.05
DAVAO REGION							
SOCCSKSARGEN	8.90	8.76	4.45	4.28	4.82	5.56	6.61
CARAGA							
ARMM							

TABLE 5.2 BROCOLLI: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**197**	**2,126**	**1,616**	**1,571**	**1,607**	**1,634**	**1,669**
CAR	197	2,126	1,609	1,563	1,599	1,626	1,652
ILOCOS REGION							
CAGAYAN VALLEY							
CENTRAL LUZON							
CALABARZON							
MIMAROPA							
BICOL REGION							
WESTERN VISAYAS							
CENTRAL VISAYAS							
EASTERN VISAYAS							
ZAMBOANGA PENINSULA							
NORTHERN MINDANAO			7	8	8	8	17
DAVAO REGION							
SOCCSKSARGEN							
CARAGA							
ARMM							
AREA (ha)							
PHILIPPINES	**20**	**167**	**160**	**156**	**157**	**158**	**160**
CAR	20	167	155	151	152	153	155
ILOCOS REGION							
CAGAYAN VALLEY							
CENTRAL LUZON							
CALABARZON							
MIMAROPA							
BICOL REGION							
WESTERN VISAYAS							
CENTRAL VISAYAS							
EASTERN VISAYAS							
ZAMBOANGA PENINSULA							
NORTHERN MINDANAO			5	5	5	5	5
DAVAO REGION							
SOCCSKSARGEN							
CARAGA							
ARMM							
YIELD PER HECTARE (mt)							
PHILIPPINES	**9.86**	**12.73**	**10.10**	**10.07**	**10.23**	**10.34**	**10.43**
CAR	9.86	12.73	10.38	10.35	10.52	10.63	10.66
ILOCOS REGION							
CAGAYAN VALLEY							
CENTRAL LUZON							
CALABARZON							
MIMAROPA							
BICOL REGION							
WESTERN VISAYAS							
CENTRAL VISAYAS							
EASTERN VISAYAS							
ZAMBOANGA PENINSULA							
NORTHERN MINDANAO			1.49	1.50	1.51	1.51	3.34
DAVAO REGION							
SOCCSKSARGEN							
CARAGA							
ARMM							

TABLE 5.3 CABBAGE: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**117,202**	**129,989**	**87,472**	**87,576**	**89,542**	**91,368**	**91,982**
CAR	95,979	105,098	61,826	63,580	65,704	66,875	67,583
ILOCOS REGION	821	1,882	2,619	2,711	2,611	2,540	2,606
CAGAYAN VALLEY	691	852	913	829	846	889	822
CENTRAL LUZON	2,720	1,737					
CALABARZON	2,043	3,017	2,712	1,999	2,210	2,264	2,275
MIMAROPA	63	47	26	25	24	29	30
BICOL REGION	1,697	2,266	2,085	1,038	754	699	576
WESTERN VISAYAS	818	888	442	434	420	394	384
CENTRAL VISAYAS	4,130	5,403	5,757	6,050	6,225	6,633	6,490
EASTERN VISAYAS	252	191	134	136	137	141	145
ZAMBOANGA PENINSULA	138	204	295	308	321	327	309
NORTHERN MINDANAO	2,072	2,857	2,491	2,576	2,545	2,684	2,913
DAVAO REGION	3,222	3,357	5,980	5,485	5,203	5,293	5,332
SOCCSKSARGEN	1,318	1,068	1,043	1,210	1,390	1,460	1,432
CARAGA	474	369	229	254	258	269	281
ARMM	763	751	919	941	895	871	803
AREA (ha)							
PHILIPPINES	**8,626**	**8,529**	**7,637**	**7,672**	**7,711**	**7,802**	**7,746**
CAR	5,898	5,567	4,008	4,158	4,219	4,257	4,291
ILOCOS REGION	76	173	566	577	560	545	492
CAGAYAN VALLEY	144	205	153	149	152	159	148
CENTRAL LUZON	243	140					
CALABARZON	260	316	508	488	496	509	508
MIMAROPA	20	11	9	9	8	11	15
BICOL REGION	212	270	263	130	96	91	76
WESTERN VISAYAS	125	84	72	70	66	64	61
CENTRAL VISAYAS	500	594	623	649	678	702	697
EASTERN VISAYAS	35	27	20	19	20	21	22
ZAMBOANGA PENINSULA	50	70	87	95	103	109	104
NORTHERN MINDANAO	286	354	338	350	348	360	357
DAVAO REGION	484	472	748	704	674	674	680
SOCCSKSARGEN	160	130	126	152	172	181	177
CARAGA	62	45	36	40	40	40	42
ARMM	71	71	80	82	79	79	76
YIELD PER HECTARE (mt)							
PHILIPPINES	**13.59**	**15.24**	**11.45**	**11.42**	**11.61**	**11.71**	**11.87**
CAR	16.27	18.88	15.43	15.29	15.57	15.71	15.75
ILOCOS REGION	10.81	10.88	4.63	4.70	4.66	4.66	5.30
CAGAYAN VALLEY	4.80	4.16	5.97	5.56	5.56	5.59	5.55
CENTRAL LUZON	11.19	12.41					
CALABARZON	7.86	9.55	5.34	4.10	4.46	4.45	4.48
MIMAROPA	3.13	4.31	2.85	2.82	2.96	2.63	2.01
BICOL REGION	8.01	8.39	7.93	7.99	7.85	7.68	7.58
WESTERN VISAYAS	6.54	10.58	6.15	6.20	6.36	6.16	6.30
CENTRAL VISAYAS	8.26	9.10	9.24	9.32	9.18	9.45	9.31
EASTERN VISAYAS	7.20	7.08	6.72	7.17	6.83	6.70	6.61
ZAMBOANGA PENINSULA	2.76	2.91	3.39	3.24	3.12	3.00	2.98
NORTHERN MINDANAO	7.25	8.07	7.37	7.36	7.31	7.45	8.16
DAVAO REGION	6.66	7.11	7.99	7.79	7.72	7.85	7.84
SOCCSKSARGEN	8.24	8.21	8.28	7.96	8.08	8.07	8.08
CARAGA	7.65	8.20	6.37	6.35	6.46	6.73	6.64
ARMM	10.75	10.58	11.48	11.47	11.33	11.02	10.57

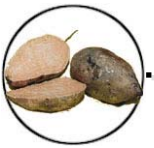


TABLE 5.4 CAMOTE: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**643,797**	**667,946**	**557,386**	**554,003**	**545,409**	**549,392**	**546,971**
CAR	28,024	32,645	19,898	20,287	19,291	18,694	18,209
ILOCOS REGION	14,118	15,722	14,342	14,466	14,298	13,865	14,518
CAGAYAN VALLEY	12,126	15,963	23,024	20,727	23,359	23,485	21,818
CENTRAL LUZON	20,651	22,014	29,736	30,726	30,328	29,346	30,494
CALABARZON	31,190	32,048	33,853	34,641	36,892	38,696	38,705
MIMAROPA	12,332	11,865	11,538	11,601	11,673	11,842	11,929
BICOL REGION	176,090	180,231	113,529	115,137	107,461	107,174	102,661
WESTERN VISAYAS	36,240	32,704	29,563	28,755	28,218	28,025	28,063
CENTRAL VISAYAS	57,133	60,095	63,524	58,516	54,508	57,043	54,014
EASTERN VISAYAS	102,586	105,033	97,835	102,725	104,361	106,617	109,111
ZAMBOANGA PENINSULA	10,660	11,318	10,477	10,127	10,140	9,751	10,151
NORTHERN MINDANAO	25,309	31,251	20,547	22,932	22,980	22,999	22,904
DAVAO REGION	24,782	26,002	21,833	18,793	18,201	18,786	19,808
SOCCSKSARGEN	7,842	8,128	5,949	7,121	7,715	8,088	8,377
CARAGA	80,348	78,569	57,262	53,141	51,634	50,731	51,854
ARMM	4,366	4,358	4,477	4,307	4,350	4,251	4,354
AREA (ha)							
PHILIPPINES	**136,717**	**145,236**	**132,349**	**127,682**	**124,637**	**122,487**	**122,239**
CAR	3,444	4,273	3,753	3,645	3,447	3,302	3,243
ILOCOS REGION	3,150	3,512	3,058	3,083	2,995	3,039	3,075
CAGAYAN VALLEY	3,471	4,104	3,594	3,460	3,658	3,359	3,176
CENTRAL LUZON	6,505	5,168	8,323	7,583	7,966	8,003	7,941
CALABARZON	5,584	4,249	4,240	4,244	4,242	4,272	4,265
MIMAROPA	2,576	2,331	2,457	2,430	2,418	2,433	2,472
BICOL REGION	29,463	30,016	27,198	24,696	22,639	21,412	21,880
WESTERN VISAYAS	8,053	6,441	6,236	6,103	6,093	6,033	6,015
CENTRAL VISAYAS	18,824	22,443	18,149	16,552	15,563	15,848	15,539
EASTERN VISAYAS	22,973	26,535	25,963	26,949	26,745	26,145	25,737
ZAMBOANGA PENINSULA	3,171	3,412	3,535	3,480	3,393	3,095	3,144
NORTHERN MINDANAO	4,020	4,709	2,968	2,875	2,771	2,724	2,750
DAVAO REGION	5,036	5,302	4,812	4,262	4,138	4,229	4,259
SOCCSKSARGEN	1,034	1,391	1,102	1,287	1,338	1,441	1,441
CARAGA	17,761	19,324	14,409	14,681	14,719	14,625	14,780
ARMM	1,652	2,026	2,552	2,352	2,512	2,527	2,522
YIELD PER HECTARE (mt)							
PHILIPPINES	**4.71**	**4.60**	**4.21**	**4.34**	**4.38**	**4.49**	**4.47**
CAR	8.14	7.64	5.30	5.57	5.60	5.66	5.61
ILOCOS REGION	4.48	4.48	4.69	4.69	4.77	4.56	4.72
CAGAYAN VALLEY	3.49	3.89	6.41	5.99	6.39	6.99	6.87
CENTRAL LUZON	3.17	4.26	3.57	4.05	3.81	3.67	3.84
CALABARZON	5.59	7.54	7.98	8.16	8.70	9.06	9.08
MIMAROPA	4.79	5.09	4.70	4.77	4.83	4.87	4.83
BICOL REGION	5.98	6.00	4.17	4.66	4.75	5.01	4.69
WESTERN VISAYAS	4.50	5.08	4.74	4.71	4.63	4.65	4.67
CENTRAL VISAYAS	3.04	2.68	3.50	3.54	3.50	3.60	3.48
EASTERN VISAYAS	4.47	3.96	3.77	3.81	3.90	4.08	4.24
ZAMBOANGA PENINSULA	3.36	3.32	2.96	2.91	2.99	3.15	3.23
NORTHERN MINDANAO	6.30	6.64	6.92	7.98	8.29	8.44	8.33
DAVAO REGION	4.92	4.90	4.54	4.41	4.40	4.44	4.65
SOCCSKSARGEN	7.58	5.84	5.40	5.53	5.77	5.61	5.81
CARAGA	4.52	4.07	3.97	3.62	3.51	3.47	3.51
ARMM	2.64	2.15	1.75	1.83	1.73	1.68	1.73

TABLE 5.5 CARROTS: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**36,985**	**31,953**	**33,849**	**34,600**	**33,793**	**34,512**	**34,666**
CAR	30,261	24,378	27,350	27,079	26,475	26,893	27,412
ILOCOS REGION							
CAGAYAN VALLEY	105	206	734	690	732	735	685
CENTRAL LUZON					1	3	3
CALABARZON	15	21	24	34	37	39	40
MIMAROPA							
BICOL REGION			3	2			
WESTERN VISAYAS	37	46	39	39	37	40	45
CENTRAL VISAYAS	6,120	6,487	4,255	4,447	4,156	4,365	4,071
EASTERN VISAYAS			6	6	8	9	9
ZAMBOANGA PENINSULA	71	132	135	134	138	140	122
NORTHERN MINDANAO	83	91	233	322	327	333	330
DAVAO REGION	235	508	792	1,471	1,488	1,526	1,511
SOCCSKSARGEN	51	84	279	376	394	428	423
CARAGA	6					2	15
ARMM							
AREA (ha)							
PHILIPPINES	**3,225**	**3,187**	**3,205**	**3,414**	**3,441**	**3,536**	**3,505**
CAR	2,112	1,781	1,732	1,723	1,727	1,750	1,769
ILOCOS REGION							
CAGAYAN VALLEY	10	18	129	125	132	138	135
CENTRAL LUZON					1	2	2
CALABARZON	5	7	3	4	5	6	7
MIMAROPA							
BICOL REGION			1	1			
WESTERN VISAYAS	9	12	15	15	14	17	18
CENTRAL VISAYAS	955	1,093	822	833	815	861	827
EASTERN VISAYAS			2	2	3	4	3
ZAMBOANGA PENINSULA	27	49	75	75	80	83	77
NORTHERN MINDANAO	22	25	53	68	73	77	74
DAVAO REGION	53	164	246	395	410	414	402
SOCCSKSARGEN	30	38	127	173	181	183	188
CARAGA	2					1	3
ARMM							
YIELD PER HECTARE (mt)							
PHILIPPINES	**11.47**	**10.03**	**10.56**	**10.13**	**9.82**	**9.76**	**9.89**
CAR	14.33	13.69	15.79	15.72	15.33	15.37	15.50
ILOCOS REGION							
CAGAYAN VALLEY	10.50	11.44	5.69	5.52	5.55	5.32	5.08
CENTRAL LUZON					0.50	1.51	1.49
CALABARZON	3.00	2.93	7.96	8.53	7.49	6.56	5.66
MIMAROPA							
BICOL REGION			2.60	1.92			
WESTERN VISAYAS	4.15	3.83	2.63	2.60	2.68	2.33	2.49
CENTRAL VISAYAS	6.41	5.94	5.18	5.34	5.10	5.07	4.92
EASTERN VISAYAS			2.90	2.96	2.69	2.14	2.84
ZAMBOANGA PENINSULA	2.64	2.69	1.79	1.79	1.73	1.69	1.58
NORTHERN MINDANAO	3.78	3.65	4.41	4.74	4.48	4.32	4.49
DAVAO REGION	4.44	3.10	3.22	3.72	3.63	3.69	3.76
SOCCSKSARGEN	1.70	2.22	2.19	2.17	2.18	2.34	2.25
CARAGA	3.00					2.30	4.58
ARMM							

TABLE 5.6 CASSAVA: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**1,853,385**	**1,905,903**	**1,890,315**	**1,765,712**	**1,652,036**	**1,625,739**	**1,622,242**
CAR	2,364	1,895	1,920	1,923	1,897	1,821	1,804
ILOCOS REGION	10,729	12,868	13,955	14,303	14,890	14,537	13,734
CAGAYAN VALLEY	1,421	1,832	17,906	17,272	19,848	24,297	27,176
CENTRAL LUZON	8,207	7,383	8,898	8,674	9,126	9,420	9,601
CALABARZON	52,989	57,398	57,671	58,983	62,032	66,834	67,262
MIMAROPA	9,830	7,891	7,949	8,084	8,199	8,293	8,538
BICOL REGION	263,026	236,227	189,727	166,202	152,311	155,892	159,453
WESTERN VISAYAS	50,772	45,000	50,917	49,762	51,213	51,471	50,448
CENTRAL VISAYAS	167,460	162,695	115,137	95,458	83,718	75,524	78,450
EASTERN VISAYAS	97,883	90,678	59,464	62,173	63,023	64,207	66,133
ZAMBOANGA PENINSULA	23,027	27,122	27,996	25,418	23,218	23,640	26,222
NORTHERN MINDANAO	94,247	141,155	87,814	88,990	80,192	93,445	104,308
DAVAO REGION	25,146	19,827	14,511	13,812	13,959	13,964	14,073
SOCCSKSARGEN	19,159	12,731	5,675	7,175	8,151	9,225	10,714
CARAGA	38,178	32,675	38,656	39,672	41,348	42,910	44,083
ARMM	988,947	1,048,527	1,192,118	1,107,810	1,018,909	970,256	940,243
AREA (ha)							
PHILIPPINES	**213,653**	**225,751**	**223,622**	**210,208**	**208,183**	**207,620**	**209,214**
CAR	276	307	234	253	263	250	251
ILOCOS REGION	1,806	2,364	1,944	1,982	2,028	2,014	1,954
CAGAYAN VALLEY	361	336	2,268	2,139	2,284	2,496	2,577
CENTRAL LUZON	1,293	1,142	1,218	1,196	1,201	1,219	1,220
CALABARZON	8,084	8,368	8,744	8,787	8,787	8,823	8,853
MIMAROPA	2,111	2,136	2,169	2,171	2,159	2,166	2,218
BICOL REGION	32,113	28,417	29,590	27,843	31,227	31,293	32,037
WESTERN VISAYAS	9,895	8,661	6,448	6,459	6,539	6,577	6,588
CENTRAL VISAYAS	20,405	21,387	16,322	13,632	12,782	11,768	11,824
EASTERN VISAYAS	26,839	23,727	22,146	22,773	22,647	22,940	23,010
ZAMBOANGA PENINSULA	4,717	4,354	5,689	5,407	5,407	5,476	6,018
NORTHERN MINDANAO	10,064	14,378	9,733	9,113	8,282	9,003	8,988
DAVAO REGION	3,225	2,873	2,229	2,099	2,091	2,178	2,203
SOCCSKSARGEN	1,940	1,299	656	879	902	923	998
CARAGA	9,855	8,810	7,176	7,086	7,349	8,198	8,325
ARMM	80,669	97,192	107,056	98,389	94,235	92,296	92,150
YIELD PER HECTARE (mt)							
PHILIPPINES	**8.67**	**8.44**	**8.45**	**8.40**	**7.94**	**7.83**	**7.75**
CAR	8.57	6.17	8.21	7.60	7.21	7.28	7.19
ILOCOS REGION	5.94	5.44	7.18	7.22	7.34	7.22	7.03
CAGAYAN VALLEY	3.94	5.45	7.90	8.07	8.69	9.73	10.55
CENTRAL LUZON	6.35	6.46	7.31	7.25	7.60	7.73	7.87
CALABARZON	6.55	6.86	6.60	6.71	7.06	7.57	7.60
MIMAROPA	4.66	3.69	3.66	3.72	3.80	3.83	3.85
BICOL REGION	8.19	8.31	6.41	5.97	4.88	4.98	4.98
WESTERN VISAYAS	5.13	5.20	7.90	7.70	7.83	7.83	7.66
CENTRAL VISAYAS	8.21	7.61	7.05	7.00	6.55	6.42	6.63
EASTERN VISAYAS	3.65	3.82	2.69	2.73	2.78	2.80	2.87
ZAMBOANGA PENINSULA	4.88	6.23	4.92	4.70	4.29	4.32	4.36
NORTHERN MINDANAO	9.36	9.82	9.02	9.77	9.68	10.38	11.61
DAVAO REGION	7.80	6.90	6.51	6.58	6.68	6.41	6.39
SOCCSKSARGEN	9.88	9.80	8.65	8.16	9.04	9.99	10.74
CARAGA	3.87	3.71	5.39	5.60	5.63	5.23	5.30
ARMM	12.26	10.79	11.14	11.26	10.81	10.51	10.20

TABLE 5.7 CAULIFLOWER: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**3,282**	**6,302**	**11,999**	**12,180**	**12,298**	**12,284**	**12,324**
CAR	1,917	4,826	4,451	4,428	4,494	4,594	4,611
ILOCOS REGION	1,232	1,155	7,347	7,418	7,397	7,270	7,251
CAGAYAN VALLEY			45	45	49	37	37
CENTRAL LUZON	84	264	60	70	65	64	62
CALABARZON							
MIMAROPA							
BICOL REGION							
WESTERN VISAYAS	1	3	2	2	2	2	2
CENTRAL VISAYAS	2	2	25	55	56	57	49
EASTERN VISAYAS							
ZAMBOANGA PENINSULA	1	2	1	1	2	2	2
NORTHERN MINDANAO			7	13	17	17	81
DAVAO REGION				83	147	166	152
SOCCSKSARGEN	21	25	38	43	45	50	53
CARAGA							
ARMM	25	25	23	24	24	25	25
AREA (ha)							
PHILIPPINES	**380**	**520**	**943**	**961**	**989**	**972**	**982**
CAR	239	356	341	341	342	344	346
ILOCOS REGION	112	105	544	550	550	533	534
CAGAYAN VALLEY			21	21	23	15	15
CENTRAL LUZON	15	43	10	10	10	10	9
CALABARZON							
MIMAROPA							
BICOL REGION							
WESTERN VISAYAS							
CENTRAL VISAYAS	1	2	7	9	9	9	8
EASTERN VISAYAS							
ZAMBOANGA PENINSULA	1	1	1	2	2	2	2
NORTHERN MINDANAO			4	7	9	9	15
DAVAO REGION				4	24	25	24
SOCCSKSARGEN	7	8	10	12	15	20	23
CARAGA							
ARMM	5	5	5	5	5	5	6
YIELD PER HECTARE (mt)							
PHILIPPINES	**8.64**	**12.12**	**12.72**	**12.67**	**12.44**	**12.63**	**12.55**
CAR	8.02	13.56	13.05	12.98	13.14	13.35	13.33
ILOCOS REGION	11.00	11.00	13.51	13.49	13.45	13.63	13.58
CAGAYAN VALLEY			2.14	2.12	2.15	2.47	2.47
CENTRAL LUZON	5.57	6.14	6.00	7.00	6.50	6.40	6.89
CALABARZON							
MIMAROPA							
BICOL REGION							
WESTERN VISAYAS							
CENTRAL VISAYAS	1.67	1.21	3.55	6.08	6.22	6.33	6.19
EASTERN VISAYAS							
ZAMBOANGA PENINSULA	1.20	1.59	1.33	0.71	0.79	0.87	0.90
NORTHERN MINDANAO			1.64	1.85	1.89	1.89	5.39
DAVAO REGION				20.76	6.13	6.66	6.33
SOCCSKSARGEN	3.06	3.11	3.79	3.54	3.00	2.52	2.34
CARAGA							
ARMM	5.00	5.00	4.69	4.74	4.84	4.96	4.13

TABLE 5.8 EGGPLANT: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**112,704**	**130,702**	**159,744**	**166,146**	**169,819**	**179,659**	**176,997**
CAR	755	799	757	808	783	755	744
ILOCOS REGION	32,290	46,957	54,422	56,042	60,035	63,378	64,630
CAGAYAN VALLEY	4,813	5,399	22,294	22,497	18,201	19,330	14,941
CENTRAL LUZON	17,526	18,774	17,668	17,723	18,639	18,823	18,523
CALABARZON	20,087	19,944	23,532	25,921	28,960	32,188	32,074
MIMAROPA	1,636	2,726	2,453	2,584	2,345	2,390	2,440
BICOL REGION	3,329	5,456	6,188	5,266	4,977	5,264	5,464
WESTERN VISAYAS	12,494	11,259	11,146	10,793	10,492	11,097	11,141
CENTRAL VISAYAS	4,705	6,093	5,626	5,768	5,904	5,933	5,949
EASTERN VISAYAS	2,268	1,903	1,738	1,842	1,894	1,952	2,034
ZAMBOANGA PENINSULA	1,558	1,764	1,755	1,758	1,717	1,736	1,738
NORTHERN MINDANAO	1,577	2,061	2,542	2,728	2,729	2,963	2,996
DAVAO REGION	5,724	3,506	5,183	6,566	6,798	6,976	6,926
SOCCSKSARGEN	2,135	2,391	2,307	3,645	3,994	4,482	4,951
CARAGA	1,226	1,156	1,512	1,592	1,758	1,807	1,865
ARMM	579	514	622	616	592	586	582
AREA (ha)							
PHILIPPINES	**16,425**	**17,643**	**19,386**	**19,949**	**20,422**	**20,813**	**20,984**
CAR	137	178	135	151	147	140	139
ILOCOS REGION	4,352	5,050	4,582	4,662	4,798	4,877	4,855
CAGAYAN VALLEY	1,085	1,230	1,602	1,533	1,613	1,785	1,774
CENTRAL LUZON	2,740	2,330	2,931	3,099	3,111	3,094	3,094
CALABARZON	1,365	1,446	1,893	2,026	2,045	2,004	1,972
MIMAROPA	663	837	905	899	919	930	944
BICOL REGION	790	1,267	1,273	1,134	1,149	1,169	1,206
WESTERN VISAYAS	1,421	1,288	1,399	1,361	1,323	1,360	1,360
CENTRAL VISAYAS	1,460	1,661	1,771	1,811	1,918	1,914	1,953
EASTERN VISAYAS	370	297	297	305	310	317	320
ZAMBOANGA PENINSULA	291	354	443	448	448	462	514
NORTHERN MINDANAO	472	665	686	654	647	682	683
DAVAO REGION	554	404	651	829	885	923	951
SOCCSKSARGEN	187	188	227	378	411	444	497
CARAGA	324	314	394	454	490	504	516
ARMM	213	134	197	205	208	208	206
YIELD PER HECTARE (mt)							
PHILIPPINES	**6.86**	**7.41**	**8.24**	**8.33**	**8.32**	**8.63**	**8.43**
CAR	5.49	4.49	5.61	5.35	5.33	5.39	5.34
ILOCOS REGION	7.42	9.30	11.88	12.02	12.51	13.00	13.31
CAGAYAN VALLEY	4.44	4.39	13.92	14.67	11.28	10.83	8.42
CENTRAL LUZON	6.40	8.06	6.03	5.72	5.99	6.08	5.99
CALABARZON	14.71	13.79	12.43	12.79	14.16	16.06	16.26
MIMAROPA	2.47	3.26	2.71	2.87	2.55	2.57	2.58
BICOL REGION	4.21	4.31	4.86	4.64	4.33	4.50	4.53
WESTERN VISAYAS	8.79	8.74	7.97	7.93	7.93	8.16	8.19
CENTRAL VISAYAS	3.22	3.67	3.18	3.18	3.08	3.10	3.05
EASTERN VISAYAS	6.13	6.41	5.85	6.04	6.11	6.16	6.36
ZAMBOANGA PENINSULA	5.36	4.98	3.96	3.92	3.83	3.75	3.38
NORTHERN MINDANAO	3.34	3.10	3.71	4.17	4.22	4.34	4.39
DAVAO REGION	10.32	8.68	7.96	7.92	7.68	7.56	7.28
SOCCSKSARGEN	11.42	12.72	10.16	9.64	9.72	10.09	9.96
CARAGA	3.78	3.68	3.84	3.51	3.59	3.58	3.62
ARMM	2.72	3.84	3.16	3.00	2.85	2.82	2.83

TABLE 5.9 GABI: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**107,092**	**104,931**	**97,317**	**95,932**	**96,861**	**101,155**	**100,705**
CAR	1,347	6,019	4,996	4,957	5,039	4,988	4,995
ILOCOS REGION	1,124	2,155	2,677	2,733	2,789	2,822	3,039
CAGAYAN VALLEY	14,738	16,188	11,371	11,570	13,068	15,662	14,561
CENTRAL LUZON	4,504	5,894	6,425	6,388	5,994	6,173	6,133
CALABARZON	6,486	5,061	7,514	6,395	6,732	6,880	6,889
MIMAROPA	2,047	1,906	2,805	2,821	2,800	2,883	2,891
BICOL REGION	19,221	12,405	15,905	13,268	13,010	13,333	13,916
WESTERN VISAYAS	2,445	3,035	3,259	3,238	3,274	3,278	3,319
CENTRAL VISAYAS	17,909	13,854	10,883	11,068	9,997	10,371	9,838
EASTERN VISAYAS	18,949	21,569	14,396	14,890	15,279	15,632	16,006
ZAMBOANGA PENINSULA	2,067	1,677	1,649	1,780	1,642	1,601	1,597
NORTHERN MINDANAO	1,077	1,680	1,970	1,830	1,844	1,799	1,847
DAVAO REGION	2,518	2,473	2,277	2,733	2,814	2,827	2,860
SOCCSKSARGEN	2,757	2,386	2,728	3,363	3,442	3,859	3,818
CARAGA	8,890	7,692	7,404	7,891	8,135	8,057	8,009
ARMM	1,014	937	1,059	1,005	1,004	989	989
AREA (ha)							
PHILIPPINES	**22,252**	**21,424**	**18,100**	**17,999**	**18,072**	**18,332**	**18,202**
CAR	157	540	436	437	445	446	447
ILOCOS REGION	207	384	392	397	400	402	427
CAGAYAN VALLEY	1,961	2,005	1,585	1,615	1,671	1,837	1,820
CENTRAL LUZON	641	818	853	871	909	916	911
CALABARZON	952	866	1,226	1,000	1,005	1,020	1,022
MIMAROPA	453	445	636	636	624	628	619
BICOL REGION	2,836	1,710	1,980	1,694	1,662	1,683	1,671
WESTERN VISAYAS	564	564	577	569	572	583	575
CENTRAL VISAYAS	3,373	2,961	2,691	2,730	2,612	2,632	2,500
EASTERN VISAYAS	7,700	7,485	4,234	4,332	4,433	4,466	4,493
ZAMBOANGA PENINSULA	474	433	418	443	407	362	366
NORTHERN MINDANAO	155	206	272	219	224	234	234
DAVAO REGION	339	341	301	334	343	340	342
SOCCSKSARGEN	204	194	215	233	237	261	264
CARAGA	2,085	2,334	2,125	2,334	2,365	2,360	2,348
ARMM	151	138	159	155	163	161	163
YIELD PER HECTARE (mt)							
PHILIPPINES	**4.81**	**4.90**	**5.38**	**5.33**	**5.36**	**5.52**	**5.53**
CAR	8.58	11.15	11.46	11.34	11.32	11.18	11.17
ILOCOS REGION	5.43	5.61	6.83	6.88	6.97	7.02	7.11
CAGAYAN VALLEY	7.52	8.07	7.17	7.16	7.82	8.53	8.00
CENTRAL LUZON	7.03	7.20	7.53	7.33	6.59	6.74	6.73
CALABARZON	6.81	5.84	6.13	6.40	6.70	6.75	6.74
MIMAROPA	4.52	4.28	4.41	4.44	4.49	4.59	4.67
BICOL REGION	6.78	7.25	8.03	7.83	7.83	7.92	8.33
WESTERN VISAYAS	4.34	5.38	5.65	5.69	5.72	5.62	5.77
CENTRAL VISAYAS	5.31	4.68	4.04	4.05	3.83	3.94	3.94
EASTERN VISAYAS	2.46	2.88	3.40	3.44	3.45	3.50	3.56
ZAMBOANGA PENINSULA	4.36	3.87	3.95	4.02	4.03	4.42	4.36
NORTHERN MINDANAO	6.95	8.16	7.24	8.36	8.23	7.69	7.89
DAVAO REGION	7.43	7.25	7.56	8.18	8.20	8.31	8.36
SOCCSKSARGEN	13.51	12.27	12.69	14.43	14.52	14.79	14.46
CARAGA	4.26	3.30	3.48	3.38	3.44	3.41	3.41
ARMM	6.71	6.79	6.66	6.48	6.16	6.14	6.07

TABLE 5.10 GARLIC: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**17,849**	**17,227**	**9,335**	**13,688**	**15,364**	**16,257**	**15,529**
CAR	5	3	16	16	19	19	19
ILOCOS REGION	11,116	11,264	4,942	8,917	10,726	11,207	10,615
CAGAYAN VALLEY	12	52	168	185	172	209	183
CENTRAL LUZON	492	1,960	334	344	324	299	311
CALABARZON	2,510	1,599	1,566	1,867	2,056	2,448	2,211
MIMAROPA	3,251	1,773	1,723	1,769	1,854	1,893	2,048
BICOL REGION	354	385	394	396	25	13	3
WESTERN VISAYAS	24	164	159	164	159	141	114
CENTRAL VISAYAS	84	26	30	26	25	24	23
EASTERN VISAYAS			4	4	4	4	4
ZAMBOANGA PENINSULA							
NORTHERN MINDANAO							
DAVAO REGION							
SOCCSKSARGEN							
CARAGA							
ARMM							
AREA (ha)							
PHILIPPINES	**6,406**	**6,299**	**3,799**	**5,269**	**5,707**	**5,637**	**5,459**
CAR	8	5	14	20	20	20	20
ILOCOS REGION	4,750	4,761	2,594	4,022	4,523	4,419	4,261
CAGAYAN VALLEY	8	27	68	70	70	79	75
CENTRAL LUZON	165	589	130	135	130	125	130
CALABARZON	572	374	339	347	377	410	395
MIMAROPA	772	389	488	512	524	529	536
BICOL REGION	99	102	110	107	9	5	1
WESTERN VISAYAS	7	45	46	47	45	41	32
CENTRAL VISAYAS	25	7	8	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**	**2.46**	**2.60**	**2.69**	**2.88**	**2.84**
CAR	0.68	0.66	1.15	0.82	0.95	0.93	0.97
ILOCOS REGION	2.34	2.37	1.91	2.22	2.37	2.54	2.49
CAGAYAN VALLEY	1.49	1.94	2.47	2.64	2.46	2.64	2.43
CENTRAL LUZON	2.98	3.33	2.57	2.55	2.49	2.39	2.39
CALABARZON	4.39	4.28	4.62	5.38	5.45	5.97	5.60
MIMAROPA	4.21	4.56	3.53	3.46	3.54	3.58	3.82
BICOL REGION	3.58	3.78	3.58	3.70	2.73	2.66	3.08
WESTERN VISAYAS	3.43	3.64	3.45	3.49	3.54	3.44	3.55
CENTRAL VISAYAS	3.36	3.74	3.77	3.74	3.53	3.42	3.23
EASTERN VISAYAS			1.81	1.83	1.85	1.87	1.88
ZAMBOANGA PENINSULA							
NORTHERN MINDANAO							
DAVAO REGION							
SOCCSKSARGEN							
CARAGA							
ARMM							

TABLE 5.11 GINGER: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**21,811**	**22,704**	**20,793**	**22,679**	**23,424**	**23,022**	**22,616**
CAR	716	1,017	978	1,008	1,070	1,050	1,051
ILOCOS REGION	354	544	597	602	626	617	629
CAGAYAN VALLEY	4,665	8,089	7,036	6,473	6,706	6,368	5,720
CENTRAL LUZON	575	651	720	787	793	815	843
CALABARZON	3,223	2,023	2,785	2,850	2,934	2,965	3,071
MIMAROPA	225	228	223	225	232	245	250
BICOL REGION	307	313	296	257	250	258	260
WESTERN VISAYAS	2,012	1,627	1,149	1,090	887	875	913
CENTRAL VISAYAS	2,542	2,078	1,152	1,458	1,551	1,446	1,328
EASTERN VISAYAS	1,577	1,749	1,751	1,828	1,862	1,881	1,936
ZAMBOANGA PENINSULA	357	379	359	421	455	424	413
NORTHERN MINDANAO	676	672	1,135	2,649	2,820	3,003	3,013
DAVAO REGION	637	697	615	1,046	1,111	1,077	1,118
SOCCSKSARGEN	656	498	636	704	756	718	715
CARAGA	273	270	276	381	412	430	461
ARMM	3,016	1,868	1,085	901	959	851	896
AREA (ha)							
PHILIPPINES	**3,519**	**3,543**	**3,279**	**3,583**	**3,681**	**3,642**	**3,610**
CAR	96	128	139	143	153	152	151
ILOCOS REGION	89	119	105	106	107	101	100
CAGAYAN VALLEY	842	1,133	997	899	942	926	885
CENTRAL LUZON	99	104	139	149	157	153	147
CALABARZON	376	259	324	330	339	344	355
MIMAROPA	64	64	57	61	66	69	74
BICOL REGION	101	121	84	77	75	77	75
WESTERN VISAYAS	298	228	173	168	145	137	139
CENTRAL VISAYAS	633	505	356	370	377	334	320
EASTERN VISAYAS	191	236	232	238	243	244	244
ZAMBOANGA PENINSULA	82	74	67	71	78	75	76
NORTHERN MINDANAO	160	156	248	525	526	562	556
DAVAO REGION	99	116	115	201	214	203	210
SOCCSKSARGEN	99	78	88	97	105	106	109
CARAGA	51	42	36	49	52	59	61
ARMM	239	180	119	99	102	101	108
YIELD PER HECTARE (mt)							
PHILIPPINES	**6.20**	**6.41**	**6.34**	**6.33**	**6.36**	**6.32**	**6.26**
CAR	7.45	7.95	7.03	7.05	6.99	6.91	6.96
ILOCOS REGION	3.98	4.57	5.69	5.68	5.85	6.11	6.27
CAGAYAN VALLEY	5.54	7.14	7.06	7.20	7.12	6.88	6.46
CENTRAL LUZON	5.81	6.26	5.18	5.28	5.05	5.33	5.73
CALABARZON	8.57	7.81	8.59	8.64	8.66	8.62	8.65
MIMAROPA	3.52	3.57	3.92	3.69	3.52	3.55	3.38
BICOL REGION	3.04	2.59	3.52	3.33	3.34	3.35	3.46
WESTERN VISAYAS	6.75	7.14	6.64	6.49	6.12	6.39	6.57
CENTRAL VISAYAS	4.02	4.11	3.24	3.94	4.11	4.33	4.14
EASTERN VISAYAS	8.25	7.41	7.55	7.68	7.66	7.71	7.94
ZAMBOANGA PENINSULA	4.35	5.12	5.36	5.92	5.83	5.69	5.43
NORTHERN MINDANAO	4.23	4.31	4.58	5.05	5.36	5.35	5.42
DAVAO REGION	6.44	6.01	5.35	5.20	5.19	5.30	5.32
SOCCSKSARGEN	6.62	6.39	7.23	7.26	7.20	6.77	6.56
CARAGA	5.36	6.42	7.66	7.78	7.92	7.29	7.55
ARMM	12.62	10.38	9.12	9.11	9.40	8.42	8.30

TABLE 5.12 GOURD: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**40,085**	**30,304**	**38,107**	**37,113**	**34,980**	**33,926**	**33,867**
CAR	353	261	314	318	325	329	332
ILOCOS REGION	2,088	2,412	3,371	3,379	3,443	2,971	3,017
CAGAYAN VALLEY	7,230	4,405	6,329	5,707	4,987	5,055	4,627
CENTRAL LUZON	642	1,362	2,145	2,273	2,483	2,477	2,502
CALABARZON	16,594	9,841	14,794	14,098	12,538	11,706	11,792
MIMAROPA	151	146	178	179	179	185	199
BICOL REGION	2,106	1,799	794	698	774	741	840
WESTERN VISAYAS	1,082	1,052	982	982	987	996	1,041
CENTRAL VISAYAS	2,533	1,949	2,316	2,339	2,127	2,165	2,159
EASTERN VISAYAS	1,162	1,119	845	862	874	899	926
ZAMBOANGA PENINSULA	3,974	3,357	3,612	3,395	3,294	3,355	3,408
NORTHERN MINDANAO	975	1,154	889	1,175	1,200	1,232	1,187
DAVAO REGION	314	584	607	695	724	752	767
SOCCSKSARGEN	292	229	305	363	381	384	382
CARAGA	426	429	379	402	414	433	449
ARMM	164	204	247	247	248	246	239
AREA (ha)							
PHILIPPINES	**3,271**	**2,689**	**3,180**	**3,091**	**2,954**	**3,040**	**3,052**
CAR	63	47	50	52	55	55	54
ILOCOS REGION	251	265	335	333	345	335	343
CAGAYAN VALLEY	1,032	575	951	856	705	725	678
CENTRAL LUZON	212	239	321	345	357	365	361
CALABARZON	605	431	470	446	435	450	490
MIMAROPA	68	57	67	66	64	66	67
BICOL REGION	166	146	58	54	60	59	63
WESTERN VISAYAS	162	148	129	129	128	132	138
CENTRAL VISAYAS	113	98	98	97	90	90	86
EASTERN VISAYAS	107	136	126	129	134	136	137
ZAMBOANGA PENINSULA	267	288	288	264	255	258	263
NORTHERN MINDANAO	75	95	103	109	108	137	133
DAVAO REGION	41	58	58	70	74	78	81
SOCCSKSARGEN	37	34	41	51	54	61	65
CARAGA	39	37	38	39	39	40	43
ARMM	33	35	47	51	51	53	51
YIELD PER HECTARE (mt)							
PHILIPPINES	**12.25**	**11.27**	**11.98**	**12.01**	**11.84**	**11.16**	**11.10**
CAR	5.60	5.54	6.28	6.12	5.92	5.99	6.15
ILOCOS REGION	8.32	9.10	10.06	10.15	9.98	8.87	8.81
CAGAYAN VALLEY	7.01	7.66	6.66	6.67	7.07	6.97	6.82
CENTRAL LUZON	3.03	5.69	6.68	6.59	6.96	6.79	6.93
CALABARZON	27.43	22.83	31.48	31.61	28.82	26.01	24.06
MIMAROPA	2.22	2.57	2.66	2.72	2.80	2.81	2.97
BICOL REGION	12.69	12.32	13.70	12.92	12.90	12.56	13.34
WESTERN VISAYAS	6.68	7.13	7.61	7.61	7.71	7.54	7.54
CENTRAL VISAYAS	22.42	19.89	23.63	24.12	23.64	24.06	25.11
EASTERN VISAYAS	10.86	8.23	6.71	6.68	6.52	6.61	6.76
ZAMBOANGA PENINSULA	14.89	11.66	12.54	12.86	12.92	12.98	12.96
NORTHERN MINDANAO	13.00	12.15	8.63	10.78	11.11	8.99	8.92
DAVAO REGION	7.65	10.04	10.47	9.93	9.79	9.65	9.47
SOCCSKSARGEN	7.90	6.72	7.44	7.11	7.06	6.29	5.87
CARAGA	10.91	11.59	9.96	10.31	10.60	10.82	10.58
ARMM	4.96	5.80	5.27	4.85	4.87	4.65	4.68

TABLE 5.13 HABITCHUELAS: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**9,490**	**11,289**	**12,138**	**11,757**	**11,603**	**11,847**	**11,549**
CAR	7,071	6,737	6,627	6,585	6,549	6,642	6,650
ILOCOS REGION	332	302	306	307	295	292	298
CAGAYAN VALLEY	736	2,979	3,510	3,014	2,816	2,890	2,523
CENTRAL LUZON	27	92	48	49	46	44	46
CALABARZON	81	77	83	86	98	101	102
MIMAROPA							1
BICOL REGION	530	488	619	634	680	693	714
WESTERN VISAYAS	31	52	54	53	54	60	61
CENTRAL VISAYAS	108	138	112	121	126	143	136
EASTERN VISAYAS	3	5	340	442	455	474	497
ZAMBOANGA PENINSULA	26	29	40	44	47	54	52
NORTHERN MINDANAO	206	125	150	154	160	169	171
DAVAO REGION	152	137	90	109	113	121	127
SOCCSKSARGEN	171	112	130	121	125	124	129
CARAGA			18	26	28	28	28
ARMM	17	14	11	11	11	13	13
AREA (ha)							
PHILIPPINES	**2,258**	**3,031**	**3,114**	**3,060**	**3,009**	**3,078**	**3,098**
CAR	1,141	1,310	1,072	1,066	1,057	1,051	1,072
ILOCOS REGION	144	175	185	185	174	169	176
CAGAYAN VALLEY	411	961	1,039	925	859	884	851
CENTRAL LUZON	20	47	28	28	28	26	26
CALABARZON	61	57	53	54	61	69	72
MIMAROPA							1
BICOL REGION	108	113	195	200	205	218	220
WESTERN VISAYAS	10	19	20	20	20	22	22
CENTRAL VISAYAS	112	127	146	160	166	174	185
EASTERN VISAYAS	3	5	128	148	150	154	156
ZAMBOANGA PENINSULA	32	29	49	53	58	65	61
NORTHERN MINDANAO	52	36	47	53	55	63	60
DAVAO REGION	126	120	95	104	109	116	122
SOCCSKSARGEN	29	25	33	36	38	38	45
CARAGA			19	23	24	24	24
ARMM	9	7	5	5	5	5	5
YIELD PER HECTARE (mt)							
PHILIPPINES	**4.20**	**3.72**	**3.90**	**3.84**	**3.86**	**3.85**	**3.73**
CAR	6.20	5.14	6.18	6.18	6.20	6.32	6.20
ILOCOS REGION	2.31	1.73	1.66	1.66	1.70	1.73	1.70
CAGAYAN VALLEY	1.79	3.10	3.38	3.26	3.28	3.27	2.96
CENTRAL LUZON	1.37	1.96	1.71	1.76	1.63	1.71	1.76
CALABARZON	1.33	1.35	1.56	1.60	1.61	1.46	1.42
MIMAROPA							1.23
BICOL REGION	4.91	4.32	3.18	3.17	3.32	3.18	3.25
WESTERN VISAYAS	3.12	2.74	2.68	2.66	2.69	2.72	2.76
CENTRAL VISAYAS	0.96	1.08	0.77	0.75	0.76	0.82	0.73
EASTERN VISAYAS	1.00	1.06	2.65	2.99	3.03	3.08	3.19
ZAMBOANGA PENINSULA	0.80	1.02	0.82	0.82	0.82	0.83	0.85
NORTHERN MINDANAO	3.96	3.47	3.19	2.91	2.90	2.69	2.86
DAVAO REGION	1.21	1.14	0.95	1.05	1.04	1.04	1.04
SOCCSKSARGEN	5.88	4.50	3.94	3.36	3.29	3.25	2.86
CARAGA			0.95	1.14	1.16	1.17	1.18
ARMM	1.89	2.05	2.14	2.18	2.17	2.58	2.63

TABLE 5.14 IRISH POTATO: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**58,286**	**85,302**	**63,584**	**63,524**	**66,016**	**67,540**	**68,050**
CAR	39,314	54,118	48,272	47,437	48,625	50,341	51,303
ILOCOS REGION	82						
CAGAYAN VALLEY	73	176	207	236	308	297	296
CENTRAL LUZON					1	1	1
CALABARZON							
MIMAROPA							
BICOL REGION			2	2	2	2	2
WESTERN VISAYAS							
CENTRAL VISAYAS	102	165	150	100	82	71	60
EASTERN VISAYAS							
ZAMBOANGA PENINSULA	33	29	29	29	30	34	
NORTHERN MINDANAO	16,181	25,810	5,744	6,207	7,982	7,327	6,875
DAVAO REGION	2,146	4,233	8,531	8,983	8,466	8,905	8,944
SOCCSKSARGEN	355	772	649	531	520	563	568
CARAGA							
ARMM							
AREA (ha)							
PHILIPPINES	**4,217**	**5,364**	**5,242**	**5,172**	**5,322**	**5,366**	**5,394**
CAR	2,621	3,318	3,309	3,279	3,335	3,390	3,434
ILOCOS REGION	16						
CAGAYAN VALLEY	29	55	73	73	94	77	76
CENTRAL LUZON					1	1	1
CALABARZON							
MIMAROPA							
BICOL REGION			1	1	1	1	1
WESTERN VISAYAS							
CENTRAL VISAYAS	45	74	74	43	35	25	23
EASTERN VISAYAS							
ZAMBOANGA PENINSULA	11	13	14	14	14	15	
NORTHERN MINDANAO	1,080	1,160	381	412	526	524	525
DAVAO REGION	372	679	1,325	1,290	1,256	1,269	1,267
SOCCSKSARGEN	43	65	65	60	60	64	67
CARAGA							
ARMM							
YIELD PER HECTARE (mt)							
PHILIPPINES	**13.82**	**15.90**	**12.13**	**12.28**	**12.40**	**12.59**	**12.62**
CAR	15.00	16.31	14.59	14.47	14.58	14.85	14.94
ILOCOS REGION	5.15						
CAGAYAN VALLEY	2.50	3.20	2.83	3.23	3.27	3.86	3.90
CENTRAL LUZON					0.75	0.80	0.78
CALABARZON							
MIMAROPA							
BICOL REGION			2.00	2.20	2.05	1.94	1.58
WESTERN VISAYAS							
CENTRAL VISAYAS	2.26	2.22	2.02	2.32	2.36	2.83	2.66
EASTERN VISAYAS							
ZAMBOANGA PENINSULA	3.03	2.20	2.06	2.06	2.16	2.26	
NORTHERN MINDANAO	14.98	22.25	15.08	15.07	15.17	14.00	13.10
DAVAO REGION	5.77	6.23	6.44	6.96	6.74	7.02	7.06
SOCCSKSARGEN	8.26	11.87	9.99	8.84	8.67	8.80	8.48
CARAGA							
ARMM							

TABLE 5.15 LETTUCE: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**1,514**	**1,775**	**1,439**	**1,421**	**1,475**	**1,495**	**1,579**
CAR	1,352	1,470	1,244	1,246	1,294	1,314	1,315
ILOCOS REGION							
CAGAYAN VALLEY	13	23	27	9	13	11	10
CENTRAL LUZON							
CALABARZON		56	48	56	56	57	57
MIMAROPA	2	2	2	2	2		
BICOL REGION							
WESTERN VISAYAS	5	6	5	5	4	4	4
CENTRAL VISAYAS	21	22	14	12	13	16	21
EASTERN VISAYAS	0.3	0.4	0.4	0.4	0.5	1	1
ZAMBOANGA PENINSULA	16	17	17	16	15	15	15
NORTHERN MINDANAO	96	170	72	65	64	64	143
DAVAO REGION	3	3	3	3	4	4	4
SOCCSKSARGEN	6	6	8	8	8	8	8
CARAGA							
ARMM							
AREA (ha)							
PHILIPPINES	**218**	**254**	**215**	**207**	**211**	**210**	**217**
CAR	158	175	154	152	155	156	154
ILOCOS REGION							
CAGAYAN VALLEY	12	13	12	8	8	9	7
CENTRAL LUZON							
CALABARZON		6	9	10	10	10	10
MIMAROPA	5	5	5	5	5		
BICOL REGION							
WESTERN VISAYAS	2	2	2	2	2	2	2
CENTRAL VISAYAS	12	12	7	6	7	8	11
EASTERN VISAYAS						0.4	0.4
ZAMBOANGA PENINSULA	3	4	6	6	7	6	6
NORTHERN MINDANAO	21	32	14	12	11	11	19
DAVAO REGION	3	3	3	3	3	4	4
SOCCSKSARGEN	2	2	3	3	3	3	3
CARAGA							
ARMM							
YIELD PER HECTARE (mt)							
PHILIPPINES	**6.95**	**6.99**	**6.69**	**6.87**	**6.99**	**7.12**	**7.28**
CAR	8.55	8.40	8.08	8.20	8.35	8.42	8.54
ILOCOS REGION							
CAGAYAN VALLEY	1.08	1.77	2.24	1.08	1.66	1.27	1.49
CENTRAL LUZON							
CALABARZON		9.29	5.35	5.58	5.56	5.75	5.72
MIMAROPA	0.36	0.32	0.31	0.32	0.32		
BICOL REGION							
WESTERN VISAYAS	2.62	2.77	2.32	2.25	2.18	2.14	2.10
CENTRAL VISAYAS	1.75	1.83	1.94	2.02	1.85	1.95	1.90
EASTERN VISAYAS						1.28	1.33
ZAMBOANGA PENINSULA	5.37	4.34	2.80	2.61	2.17	2.47	2.50
NORTHERN MINDANAO	4.57	5.31	5.11	5.39	5.86	5.85	7.52
DAVAO REGION	1.05	1.14	1.12	1.15	1.39	0.95	0.93
SOCCSKSARGEN	3.00	2.76	2.68	2.73	2.79	2.69	2.77
CARAGA							
ARMM							

TABLE 5.16 MONGO: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**26,655**	**26,651**	**29,198**	**27,465**	**27,757**	**27,351**	**25,984**
CAR	74	76	105	119	122	123	125
ILOCOS REGION	11,435	8,996	11,812	11,788	11,508	11,027	10,618
CAGAYAN VALLEY	1,478	2,216	3,972	2,772	3,335	3,585	2,964
CENTRAL LUZON	2,710	3,868	2,592	2,193	2,086	1,979	1,958
CALABARZON	934	684	713	724	776	811	762
MIMAROPA	832	600	416	429	433	445	513
BICOL REGION	198	196	157	144	137	142	148
WESTERN VISAYAS	3,236	2,693	1,816	1,727	1,700	1,575	1,490
CENTRAL VISAYAS	849	1,073	1,020	1,007	980	978	918
EASTERN VISAYAS	173	237	223	230	238	253	261
ZAMBOANGA PENINSULA	259	269	282	266	262	280	273
NORTHERN MINDANAO	268	217	514	289	271	298	293
DAVAO REGION	887	1,157	1,032	1,041	1,060	1,084	1,109
SOCCSKSARGEN	422	559	290	523	582	594	603
CARAGA	197	152	117	124	131	137	142
ARMM	2,705	3,659	4,136	4,092	4,137	4,040	3,805
AREA (ha)							
PHILIPPINES	**36,593**	**34,781**	**39,281**	**39,661**	**37,127**	**36,510**	**35,618**
CAR	141	144	137	156	161	159	159
ILOCOS REGION	11,583	9,634	11,895	11,658	11,388	11,050	11,247
CAGAYAN VALLEY	2,563	3,112	8,194	8,874	6,656	6,476	5,526
CENTRAL LUZON	3,995	4,880	3,346	3,284	3,125	3,104	3,100
CALABARZON	1,468	1,025	911	913	907	944	889
MIMAROPA	1,141	790	737	741	745	755	770
BICOL REGION	392	390	265	251	241	245	258
WESTERN VISAYAS	6,174	4,396	4,195	3,744	3,682	3,443	3,377
CENTRAL VISAYAS	1,764	2,089	2,005	2,001	2,016	2,079	2,026
EASTERN VISAYAS	336	433	409	418	420	424	427
ZAMBOANGA PENINSULA	527	545	536	499	471	452	440
NORTHERN MINDANAO	766	505	572	395	381	463	448
DAVAO REGION	1,236	1,606	1,395	1,341	1,360	1,368	1,409
SOCCSKSARGEN	694	902	405	717	727	736	731
CARAGA	736	562	216	245	250	262	269
ARMM	3,077	3,768	4,063	4,424	4,597	4,549	4,543
YIELD PER HECTARE (mt)							
PHILIPPINES	**0.73**	**0.77**	**0.74**	**0.69**	**0.75**	**0.75**	**0.73**
CAR	0.52	0.53	0.77	0.76	0.76	0.77	0.79
ILOCOS REGION	0.99	0.93	0.99	1.01	1.01	1.00	0.94
CAGAYAN VALLEY	0.58	0.71	0.48	0.31	0.50	0.55	0.54
CENTRAL LUZON	0.68	0.79	0.77	0.67	0.67	0.64	0.63
CALABARZON	0.64	0.67	0.78	0.79	0.86	0.86	0.86
MIMAROPA	0.73	0.76	0.57	0.58	0.58	0.59	0.67
BICOL REGION	0.50	0.50	0.59	0.57	0.57	0.58	0.57
WESTERN VISAYAS	0.52	0.61	0.43	0.46	0.46	0.46	0.44
CENTRAL VISAYAS	0.48	0.51	0.51	0.50	0.49	0.47	0.45
EASTERN VISAYAS	0.51	0.55	0.55	0.55	0.57	0.60	0.61
ZAMBOANGA PENINSULA	0.49	0.49	0.53	0.53	0.56	0.62	0.62
NORTHERN MINDANAO	0.35	0.43	0.90	0.73	0.71	0.64	0.66
DAVAO REGION	0.72	0.72	0.74	0.78	0.78	0.79	0.79
SOCCSKSARGEN	0.61	0.62	0.72	0.73	0.80	0.81	0.83
CARAGA	0.27	0.27	0.54	0.51	0.52	0.52	0.53
ARMM	0.88	0.97	1.02	0.92	0.90	0.89	0.84

TABLE 5.17 OKRA: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**23,913**	**28,886**	**25,174**	**25,452**	**25,160**	**25,254**	**22,992**
CAR	29	36	25	26	27	28	28
ILOCOS REGION	927	1,426	1,099	1,118	1,173	1,209	1,180
CAGAYAN VALLEY	11,298	10,665	9,576	8,660	8,121	8,006	5,620
CENTRAL LUZON	5,901	10,443	8,295	8,596	8,494	8,489	8,378
CALABARZON	651	652	793	802	832	856	981
MIMAROPA	107	102	105	95	108	113	116
BICOL REGION	1,430	1,200	1,050	1,031	1,123	1,063	1,132
WESTERN VISAYAS	477	506	467	466	460	486	514
CENTRAL VISAYAS	885	1,394	1,367	1,290	1,348	1,363	1,372
EASTERN VISAYAS	736	980	704	739	773	801	829
ZAMBOANGA PENINSULA	188	221	242	254	249	275	306
NORTHERN MINDANAO	200	183	472	1,288	1,316	1,370	1,302
DAVAO REGION	196	226	234	268	285	308	325
SOCCSKSARGEN	271	168	238	277	299	304	311
CARAGA	599	670	483	517	528	558	570
ARMM	20	16	23	25	24	27	29
AREA (ha)							
PHILIPPINES	**2,368**	**2,861**	**2,729**	**2,907**	**2,972**	**3,024**	**3,018**
CAR	13	15	12	14	16	15	15
ILOCOS REGION	104	151	131	135	139	147	144
CAGAYAN VALLEY	576	755	758	715	704	706	672
CENTRAL LUZON	560	676	619	643	666	659	645
CALABARZON	115	129	104	108	114	117	150
MIMAROPA	101	84	59	57	59	66	68
BICOL REGION	237	214	113	110	118	119	123
WESTERN VISAYAS	121	151	144	144	140	150	158
CENTRAL VISAYAS	101	150	166	160	166	163	157
EASTERN VISAYAS	109	127	123	128	132	134	136
ZAMBOANGA PENINSULA	54	67	71	72	80	88	98
NORTHERN MINDANAO	53	68	189	337	337	345	323
DAVAO REGION	57	67	79	102	111	115	121
SOCCSKSARGEN	42	40	53	63	70	74	79
CARAGA	118	161	98	107	108	111	113
ARMM	7	6	10	12	12	14	15
YIELD PER HECTARE (mt)							
PHILIPPINES	**10.10**	**10.10**	**9.22**	**8.76**	**8.47**	**8.35**	**7.62**
CAR	2.20	2.37	2.09	1.83	1.70	1.83	1.85
ILOCOS REGION	8.91	9.45	8.39	8.28	8.44	8.22	8.17
CAGAYAN VALLEY	19.61	14.13	12.63	12.11	11.54	11.34	8.36
CENTRAL LUZON	10.54	15.45	13.40	13.37	12.75	12.88	12.99
CALABARZON	5.66	5.06	7.62	7.43	7.30	7.31	6.54
MIMAROPA	1.06	1.22	1.78	1.67	1.83	1.71	1.70
BICOL REGION	6.03	5.61	9.29	9.38	9.52	8.93	9.20
WESTERN VISAYAS	3.94	3.35	3.24	3.24	3.28	3.24	3.25
CENTRAL VISAYAS	8.76	9.29	8.24	8.06	8.12	8.36	8.74
EASTERN VISAYAS	6.75	7.71	5.72	5.78	5.85	5.97	6.10
ZAMBOANGA PENINSULA	3.48	3.30	3.41	3.52	3.11	3.11	3.11
NORTHERN MINDANAO	3.78	2.69	2.50	3.82	3.90	3.97	4.03
DAVAO REGION	3.43	3.37	2.96	2.63	2.57	2.68	2.69
SOCCSKSARGEN	6.45	4.20	4.50	4.39	4.27	4.10	3.93
CARAGA	5.07	4.16	4.93	4.84	4.88	5.02	5.05
ARMM	2.79	2.70	2.30	2.06	2.03	1.96	1.93

TABLE 5.18 ONION: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**61,470**	**88,427**	**84,967**	**84,216**	**82,606**	**96,358**	**93,843**
CAR	5						
ILOCOS REGION	25,928	29,970	35,688	36,679	37,727	38,321	38,471
CAGAYAN VALLEY	1,425	407	1,427	1,254	1,174	1,813	1,266
CENTRAL LUZON	33,399	57,469	46,894	45,140	42,870	55,400	53,366
CALABARZON	137	112	80	228	244	257	252
MIMAROPA	176	86	89	101	97	101	108
BICOL REGION	4	33	19	19			
WESTERN VISAYAS	59	71	80	80	82	97	77
CENTRAL VISAYAS	45	104	133	132	66	59	54
EASTERN VISAYAS			18	18	18		
ZAMBOANGA PENINSULA	36	60	102	158	137	118	72
NORTHERN MINDANAO	25	50	299	327	108	113	110
DAVAO REGION	23						
SOCCSKSARGEN	208	64	139	78	82	80	68
CARAGA							
ARMM							
AREA (ha)							
PHILIPPINES	**6,422**	**8,693**	**9,602**	**9,579**	**10,094**	**10,035**	**9,516**
CAR	5						
ILOCOS REGION	2,615	3,345	4,732	4,819	4,721	4,784	4,731
CAGAYAN VALLEY	252	82	255	220	198	246	199
CENTRAL LUZON	3,279	5,070	4,291	4,188	4,929	4,779	4,383
CALABARZON	45	29	18	36	44	46	46
MIMAROPA	108	56	51	53	51	52	53
BICOL REGION	1	10	11	11			
WESTERN VISAYAS	15	23	26	27	25	29	23
CENTRAL VISAYAS	28	42	30	30	11	6	6
EASTERN VISAYAS			11	14	14		
ZAMBOANGA PENINSULA	16	15	86	97	71	55	38
NORTHERN MINDANAO	4	9	67	72	15	21	22
DAVAO REGION	22						
SOCCSKSARGEN	32	12	24	12	15	17	16
CARAGA							
ARMM							
YIELD PER HECTARE (mt)							
PHILIPPINES	**9.57**	**10.17**	**8.85**	**8.79**	**8.18**	**9.60**	**9.86**
CAR	1.02						
ILOCOS REGION	9.91	8.96	7.54	7.61	7.99	8.01	8.13
CAGAYAN VALLEY	5.66	4.96	5.60	5.70	5.93	7.37	6.36
CENTRAL LUZON	10.19	11.34	10.93	10.78	8.70	11.59	12.18
CALABARZON	3.03	3.85	4.47	6.34	5.54	5.59	5.47
MIMAROPA	1.63	1.54	1.74	1.91	1.91	1.94	2.04
BICOL REGION	4.38	3.34	1.70	1.74			
WESTERN VISAYAS	3.92	3.08	3.06	2.96	3.26	3.35	3.34
CENTRAL VISAYAS	1.60	2.47	4.43	4.41	6.00	9.76	8.99
EASTERN VISAYAS			1.64	1.31	1.29		
ZAMBOANGA PENINSULA	2.25	3.98	1.18	1.63	1.92	2.15	1.92
NORTHERN MINDANAO	6.25	5.60	4.46	4.54	7.22	5.39	5.02
DAVAO REGION	1.05						
SOCCSKSARGEN	6.51	5.37	5.81	6.54	5.48	4.68	4.27
CARAGA							
ARMM							

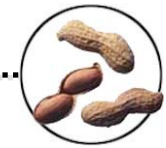


TABLE 5.19 PEANUT: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**34,875**	**36,200**	**25,948**	**26,827**	**26,151**	**26,246**	**26,119**
CAR	115	88	125	132	150	155	158
ILOCOS REGION	11,744	10,385	10,449	10,577	10,752	10,650	10,465
CAGAYAN VALLEY	12,787	15,399	4,223	3,958	3,474	3,401	3,319
CENTRAL LUZON	1,953	1,840	2,150	2,140	1,920	1,897	1,923
CALABARZON	688	531	586	591	624	632	641
MIMAROPA	980	688	768	777	798	818	810
BICOL REGION	808	1,216	1,134	1,009	840	887	886
WESTERN VISAYAS	1,243	1,308	1,108	1,070	1,033	1,045	1,004
CENTRAL VISAYAS	982	1,261	1,425	1,482	1,512	1,588	1,685
EASTERN VISAYAS	543	419	426	442	451	462	455
ZAMBOANGA PENINSULA	489	422	434	414	435	454	481
NORTHERN MINDANAO	1,111	1,088	1,380	2,048	2,056	2,121	2,095
DAVAO REGION	409	451	476	511	533	548	565
SOCCSKSARGEN	213	134	307	715	615	662	642
CARAGA	220	233	245	265	278	283	300
ARMM	588	734	713	698	679	644	691
AREA (ha)							
PHILIPPINES	**44,489**	**47,555**	**27,166**	**26,866**	**26,668**	**27,057**	**26,709**
CAR	301	259	254	268	252	282	282
ILOCOS REGION	10,317	8,998	7,101	7,152	7,203	7,423	7,396
CAGAYAN VALLEY	18,432	22,916	4,842	3,941	3,706	3,674	3,433
CENTRAL LUZON	1,868	1,705	1,589	1,500	1,422	1,432	1,432
CALABARZON	1,488	1,221	1,137	1,079	1,087	1,109	1,148
MIMAROPA	1,241	926	1,159	1,140	1,144	1,158	1,161
BICOL REGION	1,147	1,485	1,453	1,409	1,402	1,443	1,446
WESTERN VISAYAS	2,643	2,739	2,402	2,325	2,309	2,257	2,126
CENTRAL VISAYAS	1,453	1,663	1,623	1,651	1,664	1,747	1,834
EASTERN VISAYAS	981	892	846	860	861	866	860
ZAMBOANGA PENINSULA	1,311	1,178	1,148	1,116	1,129	1,066	1,031
NORTHERN MINDANAO	1,185	1,291	1,288	1,798	1,793	1,829	1,785
DAVAO REGION	634	690	659	698	723	727	735
SOCCSKSARGEN	271	175	315	559	523	555	538
CARAGA	427	470	335	362	378	386	398
ARMM	790	947	1,015	1,008	1,072	1,103	1,105
YIELD PER HECTARE (mt)							
PHILIPPINES	**0.78**	**0.76**	**0.96**	**1.00**	**0.98**	**0.97**	**0.98**
CAR	0.38	0.34	0.49	0.49	0.60	0.55	0.56
ILOCOS REGION	1.14	1.15	1.47	1.48	1.49	1.43	1.42
CAGAYAN VALLEY	0.69	0.67	0.87	1.00	0.94	0.93	0.97
CENTRAL LUZON	1.05	1.08	1.35	1.43	1.35	1.32	1.34
CALABARZON	0.46	0.43	0.52	0.55	0.57	0.57	0.56
MIMAROPA	0.79	0.74	0.66	0.68	0.70	0.71	0.70
BICOL REGION	0.70	0.82	0.78	0.72	0.60	0.61	0.61
WESTERN VISAYAS	0.47	0.48	0.46	0.46	0.45	0.46	0.47
CENTRAL VISAYAS	0.68	0.76	0.88	0.90	0.91	0.91	0.92
EASTERN VISAYAS	0.55	0.47	0.50	0.51	0.52	0.53	0.53
ZAMBOANGA PENINSULA	0.37	0.36	0.38	0.37	0.39	0.43	0.47
NORTHERN MINDANAO	0.94	0.84	1.07	1.14	1.15	1.16	1.17
DAVAO REGION	0.65	0.65	0.72	0.73	0.74	0.75	0.77
SOCCSKSARGEN	0.79	0.77	0.98	1.28	1.18	1.19	1.19
CARAGA	0.52	0.50	0.73	0.73	0.73	0.73	0.75
ARMM	0.74	0.77	0.70	0.69	0.63	0.58	0.63

TABLE 5.20 PECHAY-CHINESE: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**26,129**	**38,344**	**35,939**	**34,220**	**35,307**	**34,885**	**34,894**
CAR	25,224	37,378	35,012	33,002	33,998	33,535	33,628
ILOCOS REGION							
CAGAYAN VALLEY						77	91
CENTRAL LUZON							
CALABARZON				2	4	4	7
MIMAROPA							
BICOL REGION							
WESTERN VISAYAS							
CENTRAL VISAYAS	682	747	503	780	871	822	716
EASTERN VISAYAS							
ZAMBOANGA PENINSULA			25	36	33	34	37
NORTHERN MINDANAO			23	34	52	54	46
DAVAO REGION	223	219	245	234	222	229	239
SOCCSKSARGEN			131	133	128	130	131
CARAGA							
ARMM							
AREA (ha)							
PHILIPPINES	**2,278**	**2,865**	**2,989**	**2,986**	**3,031**	**3,003**	**2,998**
CAR	2,146	2,720	2,781	2,743	2,775	2,733	2,727
ILOCOS REGION							
CAGAYAN VALLEY						16	18
CENTRAL LUZON							
CALABARZON						0.4	1
MIMAROPA							
BICOL REGION							
WESTERN VISAYAS							
CENTRAL VISAYAS	96	109	99	119	129	124	124
EASTERN VISAYAS							
ZAMBOANGA PENINSULA			2	3	3	3	3
NORTHERN MINDANAO			34	45	48	49	47
DAVAO REGION	36	36	44	46	49	50	51
SOCCSKSARGEN			29	30	27	28	27
CARAGA							
ARMM							
YIELD PER HECTARE (mt)							
PHILIPPINES	**11.47**	**13.38**	**12.02**	**11.46**	**11.65**	**11.62**	**11.64**
CAR	11.75	13.74	12.59	12.03	12.25	12.27	12.33
ILOCOS REGION							
CAGAYAN VALLEY						4.80	5.04
CENTRAL LUZON							
CALABARZON						10.25	5.45
MIMAROPA							
BICOL REGION							
WESTERN VISAYAS							
CENTRAL VISAYAS	7.10	6.85	5.08	6.56	6.75	6.63	5.77
EASTERN VISAYAS							
ZAMBOANGA PENINSULA			12.49	12.02	10.89	11.41	12.41
NORTHERN MINDANAO			0.68	0.75	1.08	1.11	0.98
DAVAO REGION	6.20	6.09	5.57	5.08	4.53	4.57	4.68
SOCCSKSARGEN			4.51	4.43	4.73	4.65	4.84
CARAGA							
ARMM							

TABLE 5.21 PECHAY-NATIVE: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**29,304**	**28,012**	**36,417**	**37,365**	**37,400**	**39,684**	**41,288**
CAR	4,852	6,183	4,485	4,457	4,214	4,216	4,270
ILOCOS REGION	642	813	1,331	1,325	1,362	1,423	1,454
CAGAYAN VALLEY	3,530	3,961	4,377	4,673	4,943	5,017	4,786
CENTRAL LUZON	1,027	2,298	2,362	2,073	1,989	1,990	1,962
CALABARZON	4,711	4,524	5,853	5,798	5,985	6,370	7,046
MIMAROPA	313	333	320	312	317	332	344
BICOL REGION	4,712	3,786	10,727	11,161	10,799	12,250	13,233
WESTERN VISAYAS	1,570	1,447	1,435	1,340	1,307	1,344	1,330
CENTRAL VISAYAS	2,506	1,063	1,242	1,280	1,313	1,327	1,291
EASTERN VISAYAS	2,494	825	804	818	840	875	907
ZAMBOANGA PENINSULA	585	746	1,233	1,150	1,190	1,222	1,276
NORTHERN MINDANAO	1,056	959	932	1,035	992	1,007	1,004
DAVAO REGION	437	402	463	963	1,103	1,181	1,199
SOCCSKSARGEN	306	188	180	260	331	398	407
CARAGA	237	223	252	333	358	369	397
ARMM	326	263	422	387	356	364	383
AREA (ha)							
PHILIPPINES	**5,333**	**4,729**	**6,539**	**6,708**	**6,712**	**6,854**	**7,158**
CAR	681	727	592	588	567	563	564
ILOCOS REGION	199	246	425	428	441	441	433
CAGAYAN VALLEY	598	544	649	683	733	772	798
CENTRAL LUZON	255	329	351	324	313	303	288
CALABARZON	666	695	805	799	821	865	871
MIMAROPA	140	138	153	148	151	156	159
BICOL REGION	1,202	853	2,340	2,431	2,321	2,341	2,630
WESTERN VISAYAS	273	236	238	223	223	229	228
CENTRAL VISAYAS	367	201	202	207	216	219	211
EASTERN VISAYAS	292	154	147	148	150	154	155
ZAMBOANGA PENINSULA	170	153	193	199	212	215	218
NORTHERN MINDANAO	226	216	172	163	152	155	152
DAVAO REGION	57	55	56	115	142	155	157
SOCCSKSARGEN	64	48	45	67	88	105	109
CARAGA	65	64	69	87	89	92	98
ARMM	78	71	102	98	93	89	88
YIELD PER HECTARE (mt)							
PHILIPPINES	**5.49**	**5.92**	**5.57**	**5.57**	**5.57**	**5.79**	**5.77**
CAR	7.12	8.50	7.58	7.58	7.43	7.49	7.58
ILOCOS REGION	3.23	3.30	3.13	3.10	3.09	3.23	3.36
CAGAYAN VALLEY	5.90	7.28	6.74	6.84	6.74	6.50	6.00
CENTRAL LUZON	4.03	6.99	6.73	6.40	6.36	6.57	6.81
CALABARZON	7.07	6.51	7.27	7.26	7.29	7.36	8.09
MIMAROPA	2.23	2.41	2.09	2.11	2.10	2.13	2.16
BICOL REGION	3.92	4.44	4.58	4.59	4.65	5.23	5.03
WESTERN VISAYAS	5.75	6.14	6.03	6.01	5.86	5.87	5.83
CENTRAL VISAYAS	6.83	5.29	6.15	6.19	6.08	6.06	6.12
EASTERN VISAYAS	8.54	5.36	5.47	5.53	5.60	5.68	5.85
ZAMBOANGA PENINSULA	3.44	4.88	6.39	5.78	5.61	5.69	5.86
NORTHERN MINDANAO	4.67	4.44	5.43	6.35	6.53	6.49	6.61
DAVAO REGION	7.67	7.32	8.26	8.37	7.77	7.62	7.64
SOCCSKSARGEN	4.78	3.88	4.00	3.89	3.76	3.79	3.73
CARAGA	3.65	3.51	3.64	3.83	4.02	4.01	4.06
ARMM	4.18	3.72	4.13	3.96	3.83	4.09	4.35

TABLE 5.22 TOMATO: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**183,962**	**155,823**	**145,362**	**148,101**	**146,031**	**149,259**	**150,059**
CAR	4,049	4,777	3,721	3,592	3,665	3,692	3,691
ILOCOS REGION	65,906	45,787	47,379	49,264	49,598	50,153	52,916
CAGAYAN VALLEY	3,997	5,774	12,299	8,940	8,060	7,716	6,890
CENTRAL LUZON	24,618	20,392	15,806	15,614	15,708	17,159	17,321
CALABARZON	21,399	14,885	12,136	16,480	16,891	18,283	18,440
MIMAROPA	2,361	868	832	809	786	826	872
BICOL REGION	4,360	5,744	5,916	3,933	3,510	3,732	3,626
WESTERN VISAYAS	18,826	16,697	12,758	11,633	10,209	10,366	9,809
CENTRAL VISAYAS	5,991	6,871	6,721	6,774	5,628	4,833	4,468
EASTERN VISAYAS	1,292	687	629	648	660	679	708
ZAMBOANGA PENINSULA	1,027	1,230	1,345	1,281	1,281	1,303	1,261
NORTHERN MINDANAO	21,989	25,885	20,065	21,127	21,374	21,362	20,713
DAVAO REGION	4,602	3,479	3,062	3,770	3,981	3,955	4,105
SOCCSKSARGEN	2,383	1,871	2,029	3,533	3,971	4,504	4,516
CARAGA	638	476	247	275	287	271	278
ARMM	525	400	415	429	420	423	444
AREA (ha)							
PHILIPPINES	**20,037**	**17,896**	**16,808**	**16,692**	**16,496**	**16,698**	**16,779**
CAR	371	449	363	366	374	379	384
ILOCOS REGION	6,167	4,889	3,763	3,915	3,868	3,829	3,892
CAGAYAN VALLEY	632	798	1,243	1,033	959	973	956
CENTRAL LUZON	3,401	2,971	3,292	3,137	3,231	3,354	3,387
CALABARZON	2,237	1,551	1,272	1,410	1,396	1,462	1,479
MIMAROPA	586	213	208	205	201	209	219
BICOL REGION	907	1,046	1,084	658	600	609	597
WESTERN VISAYAS	1,169	1,206	991	942	851	819	806
CENTRAL VISAYAS	1,619	1,863	1,781	1,786	1,682	1,571	1,564
EASTERN VISAYAS	131	93	78	84	87	91	93
ZAMBOANGA PENINSULA	215	238	353	362	366	386	411
NORTHERN MINDANAO	1,431	1,642	1,465	1,601	1,592	1,616	1,584
DAVAO REGION	613	492	462	553	575	579	598
SOCCSKSARGEN	280	237	270	442	519	626	614
CARAGA	110	81	52	68	70	65	65
ARMM	168	127	131	130	125	130	130
YIELD PER HECTARE (mt)							
PHILIPPINES	**9.18**	**8.71**	**8.65**	**8.87**	**8.85**	**8.94**	**8.94**
CAR	10.91	10.64	10.25	9.81	9.80	9.74	9.61
ILOCOS REGION	10.69	9.37	12.59	12.58	12.82	13.10	13.60
CAGAYAN VALLEY	6.32	7.24	9.89	8.65	8.40	7.93	7.21
CENTRAL LUZON	7.24	6.86	4.80	4.98	4.86	5.12	5.11
CALABARZON	9.57	9.60	9.54	11.69	12.10	12.51	12.47
MIMAROPA	4.03	4.07	4.00	3.94	3.91	3.95	3.98
BICOL REGION	4.81	5.49	5.46	5.98	5.85	6.13	6.07
WESTERN VISAYAS	16.10	13.84	12.87	12.35	12.00	12.66	12.17
CENTRAL VISAYAS	3.70	3.69	3.77	3.79	3.35	3.08	2.86
EASTERN VISAYAS	9.86	7.38	8.07	7.72	7.59	7.46	7.62
ZAMBOANGA PENINSULA	4.78	5.17	3.81	3.54	3.50	3.37	3.07
NORTHERN MINDANAO	15.37	15.76	13.70	13.20	13.43	13.22	13.08
DAVAO REGION	7.51	7.07	6.63	6.82	6.92	6.83	6.86
SOCCSKSARGEN	8.51	7.90	7.52	7.99	7.65	7.20	7.35
CARAGA	5.80	5.87	4.74	4.04	4.10	4.18	4.32
ARMM	3.12	3.15	3.16	3.30	3.36	3.26	3.41

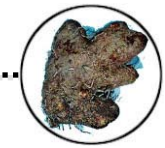


TABLE 5.23 UBI: PRODUCTION, AREA, AND YIELD PER HECTARE BY REGION, PHILIPPINES, 1990-2003

REGION	1990	1995	1999	2000	2001	2002	2003P
PRODUCTION (mt)							
PHILIPPINES	**21,576**	**26,176**	**25,000**	**25,611**	**24,287**	**26,238**	**27,884**
CAR	798	1,029	123	131	131	129	128
ILOCOS REGION	32	76	74	76	79	74	75
CAGAYAN VALLEY	73	80	2,077	1,989	2,175	2,337	2,248
CENTRAL LUZON	140	121	173	194	234	254	294
CALABARZON	452	521	312	318	345	358	366
MIMAROPA	118	112	140	150	175	187	195
BICOL REGION	405	481	872	856	716	723	734
WESTERN VISAYAS	1,313	724	475	473	400	392	386
CENTRAL VISAYAS	14,449	19,161	17,592	17,868	16,447	18,051	19,760
EASTERN VISAYAS	527	809	701	705	719	737	748
ZAMBOANGA PENINSULA	161	167	188	194	201	219	216
NORTHERN MINDANAO	1,193	1,395	1,176	1,450	1,430	1,579	1,529
DAVAO REGION	680	469	423	451	434	440	433
SOCCSKSARGEN	150	154	185	204	211	218	220
CARAGA	828	727	238	268	290	263	265
ARMM	258	150	252	284	300	278	285
AREA (ha)							
PHILIPPINES	**4,250**	**5,446**	**5,188**	**5,321**	**5,015**	**5,403**	**5,706**
CAR	80	78	16	17	18	18	18
ILOCOS REGION	6	10	11	11	13	12	12
CAGAYAN VALLEY	16	20	339	324	336	371	369
CENTRAL LUZON	44	36	56	61	76	77	78
CALABARZON	114	124	89	84	85	82	83
MIMAROPA	30	33	63	64	67	71	71
BICOL REGION	75	85	125	124	105	107	107
WESTERN VISAYAS	222	131	73	73	61	62	63
CENTRAL VISAYAS	2,820	4,051	3,628	3,678	3,381	3,703	4,017
EASTERN VISAYAS	147	224	206	208	208	207	206
ZAMBOANGA PENINSULA	39	44	43	47	40	44	48
NORTHERN MINDANAO	194	183	287	352	346	395	380
DAVAO REGION	114	90	82	88	83	85	82
SOCCSKSARGEN	27	30	36	41	42	45	46
CARAGA	272	271	76	83	86	60	60
ARMM	50	36	58	66	68	64	66
YIELD PER HECTARE (mt)							
PHILIPPINES	**5.08**	**4.81**	**4.82**	**4.81**	**4.84**	**4.86**	**4.89**
CAR	9.97	13.19	7.72	7.71	7.28	7.14	7.10
ILOCOS REGION	5.25	7.60	6.68	6.90	6.04	6.18	6.27
CAGAYAN VALLEY	4.55	3.98	6.13	6.14	6.47	6.30	6.09
CENTRAL LUZON	3.19	3.36	3.09	3.18	3.07	3.29	3.76
CALABARZON	3.96	4.20	3.50	3.78	4.05	4.36	4.41
MIMAROPA	3.95	3.40	2.23	2.35	2.62	2.63	2.75
BICOL REGION	5.40	5.66	6.97	6.90	6.82	6.75	6.86
WESTERN VISAYAS	5.91	5.53	6.51	6.48	6.55	6.33	6.13
CENTRAL VISAYAS	5.12	4.73	4.85	4.86	4.86	4.87	4.92
EASTERN VISAYAS	3.59	3.61	3.40	3.39	3.45	3.56	3.63
ZAMBOANGA PENINSULA	4.14	3.79	4.37	4.13	5.03	4.96	4.47
NORTHERN MINDANAO	6.15	7.62	4.10	4.12	4.13	4.00	4.02
DAVAO REGION	5.96	5.21	5.16	5.13	5.23	5.18	5.28
SOCCSKSARGEN	5.55	5.14	5.13	4.98	5.02	4.85	4.78
CARAGA	3.04	2.68	3.13	3.23	3.37	4.38	4.42
ARMM	5.16	4.18	4.34	4.30	4.42	4.34	4.31

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