FOREWORD

This is the sixth issue of Crops Statistics of the Philippines, an annual publication of the Bureau of Agricultural Statistics (BAS). As in the previous issues, this report presents annual production statistics of 21 major crops and 20 minor priority crops with national and regional levels of disaggregation. These crops are classified into Cereals, Fruit Crops, Non-Food and Industrial Crops and Vegetables and Root crops. The reference period is 2003 to 2008.

Production statistics of major varieties for banana and mango are also included in this report.

This report was prepared by the Crops Statistics Division (CSD) of the BAS. It serves as a ready reference for various stakeholders in the agricultural sector. The production statistics are presented in the order of the above crop classification. Each classification is preceded by a brief description of the trends of area, production and yield and the major factors affecting these trends and the major producing regions.

The BAS continuously pursues the improvement of the delivery of its products and services. Hence, it welcomes comments and suggestions from the readers for further improvement of this report.

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Director

Quezon City, Philippines
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EXPLANATORY NOTES

Scope and Coverage

Crop production statistics are generated for all regions and provinces except Batanes. Quarterly crop surveys are focused on the following forty seven (47) major and priority crops:

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

Sampling Methodology

The sampling design of Palay and Corn Production Survey (PCPS) was based on the results of 1991 Census of Agriculture (CAF). The survey domain was the province. It employ's a replicated two-stage stratified sampling design. The barangay was the primary sampling unit (psu), which was selected using a probability proportional to size (pps) scheme. The farming household served as the secondary sampling unit (ssu), which was selected systematically.

A non-probability survey was employed for *other crops*, crops other than palay and corn. A "5 x 5" design was used in the selection of samples with the province as the domain. The top five (5) producing municipalities were chosen from each province. From each of these municipalities, five (5) sample farmers were selected as respondents.

In this two-stage design, the municipalities served as the primary sampling units (psu), and farm households as the ultimate sampling units (usu).

Data Collection

For cereals, data collection is done quarterly during the first twelve (12) days of the month after the reference quarter. For other crops, quarterly data collection is conducted simultaneously with the monthly Farm Prices Survey (FPS) in the last ten (10) days of February, May, August and November.

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

Data Review and Analysis

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

Concepts and Definitions

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

Area Harvested	-	The actual area from which harvests are realized. This excludes crop area totally damaged. It maybe smaller than area planted. In crop statistics, this applies to temporary crops.
Area Planted	-	The actual physical area planted to a permanent crop. This generally applies to area reported for permanent fruit crops.
Bearing Trees/Hills/Vines	-	Trees/hills/vines where harvesting has been made ithe past but may or may not have borne fruits during the reference period due to cyclical production pattern of the crop. Hills applies to banana.
Effective Crop Area Harvested	-	The actual area from which harvests are realized which is counted as many times as it was planted and harvested to same crops or different crops during the reference period. This concept applies to the harvest area reported for temporary crops such as rice, corn, vegetables, rootcrops and tubers and temporary fruit crops.

High Yielding Variety	-	An improved cultivated variety with significantly higher Yield and better quality under specific environment and improved farming conditions and practices than the traditional seed varieties being used; or any agricultural crop variety that can equal or exceed the yield of the current commercially grown variety in a particular locality. HYV may be locally or foreign bred.
Industrial Crops	-	Crops which are used as inputs to other industries. Examples are: rubber, castor beans, abaca and oil palm.
Irrigated Palay	-	Palay which needs standing water for its normal growth. It is one that requires irrigation water made available through artificial means (gravity, force, power pumps, etc.) It is not confined to lowlands but also to higher places where paddies are built for planting palay.
Major Crops	-	The top 21 crops including palay and corn which collectively account for about 95 percent of the total agricultural crop production. These include coconut, sugarcane, banana, pineapple, coffee, mango, tobacco, abaca, peanut, mongo, cassava, camote, tomato, garlic, onion, cabbage, eggplant, calamansi and rubber.
Minor Crops	-	All the crops other than the major crops monitored by the Bureau. This group accounts for about 5% of the total crop production.
Non-Food Crops	-	Crops other than for food consumption. These are crops grown for their aesthetic values such as ornamental plants and cutflowers. There also includes agriculture-derived products such as rice hay and coconut leaves.
Permanent/Perennial Crops	-	Crops which occupy the land for a long period of time and do not need to be replaced after each harvest such as fruit trees, shrubs, nuts, etc. These crops may be productive, i.e., have already borne fruits or capable of bearing fruits. Examples are: avocado, coffee, coconut and other fruit trees.
Priority Crops	-	The identified national banner crops and various regional priority crops of the Key Commercial Crops Development Program (KCCDP), High Value Commercial Crops (HVCC) Program and now the Key Commodity Road Maps of the Department of Agriculture, which are being developed because of their industrial and commercial potentials. Examples are: cashew, durian, highland vegetables, papaya, lanzones, ginger, etc.

Production	-	The quantity produced and actually harvested for a particular crop during the reference period. It includes those harvested but damaged, stolen, given away, consumed, given as harvester's share, reserved etc. Excluded are those produced but not harvested due to low price, lack of demand and force majeure or fortuitous events, etc.
Rainfed Palay	-	Consists of lowland and upland palay. Lowland palay requires standing water for its normal growth but depends only on rainfall. Paddies were built to hold water. Upland palay does not require standing water for its normal growth and is usually grown on soil usually dry on the surface. It also depends only on rainfall. Both are not necessarily confined to lowlands but also to higher places or hillsides.
Root Crops	-	Crops with well developed underground edible roots. They are classified into tubers and roots. Roots which are more starchy and rich in carbohydrates include gabi, ubi and white potato. Tubers include beets, radish, carrots and turnips.
Temporary Crops	-	Crops which are grown seasonally and which 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 kilograms per bearing tree.

I. SUMMARY STATISTICS NATIONAL

Table 1.0 ANNUAL PRODUCTION OF SELECTED CROPS, PHILIPPINES, 2003-2008

(IN METRIC TONS)

Crop	2003	2004	2005	2006	2007	2008
Cereals						
Palay	13,499,884	14,496,784	14,603,005	15,326,706	16,240,194	16,815,548
Irrigated	10,250,223	10,941,836	11,233,793	11,594,933	12,269,390	12,556,150
Rainfed	3,249,661	3,554,948	3,369,212	3,731,773	3,970,804	4,259,398
Corn	4,615,625	5,413,386	5,253,160	6,082,109	6,736,940	6,928,225
White	2,052,684	2,227,430	2,251,617	2,360,840	2,527,633	2,254,567
Yellow	2,562,941	3,185,956	3,001,543	3,721,269	4,209,307	4,673,658
Fruit Crops						
Banana	5,368,977	5,631,250	6,298,225	6,794,564	7,484,073	8,687,624
Cavendish	*1,902,223*	*2,127,619*	*2,490,271*	*2,810,985*	*3,323,072*	*4,328,989*
Lacatan	*674,918*	*714,483*	*774,050*	*836,016*	*875,271*	*890,702*
Saba	*2,017,267*	*2,018,687*	*2,204,393*	*2,285,809*	*2,385,614*	*2,526,835*
Calamansi	180,923	179,020	200,808	196,595	201,619	199,675
Durian	39,817	40,907	47,296	48,465	73,250	51,399
Lanzones	51,790	50,172	59,769	50,012	58,258	7,407
Mandarin	20,266	19,898	20,360	24,880	25,281	22,743
Mango	1,006,191	967,473	984,342	919,030	1,023,907	884,011
Carabao	*813,246*	*790,704*	*797,203*	*738,660*	*828,412*	*712,409*
Mangosteen	4,901	4,863	5,152	4,494	4,683	866
Orange	7,432	6,293	5,794	5,234	5,148	4,870
Papaya	130,764	133,876	146,628	157,120	164,234	182,907
Pineapple	1,697,952	1,759,813	1,788,218	1,833,908	2,016,462	2,209,336
Rambutan	11,901	12,088	15,466	13,405	14,915	8,553
Tamarind Fruit	14,964	13,408	13,562	12,491	11,804	11,052
Watermelon	92,498	107,057	115,075	117,254	125,863	103,248
Non Food & Industrial Crops						
Abaca	69,765	74,465	74,014	69,802	66,437	68,386
Cacao	5,693	5,648	5,679	5,415	5,237	5,149
Cashew	111,291	116,910	116,533	113,071	112,558	112,334
Coconut	14,294,203	14,366,184	14,824,585	14,957,910	14,852,927	15,319,527
Coffee	106,388	102,865	105,847	104,093	97,877	97,428
Arabica	*20,171*	*18,717*	*20,672*	*20,315*	*19,739*	*19,677*
Excelsa	*9,867*	*9,262*	*8,923*	*8,326*	*7,129*	*6,763*
Liberica	*1,172*	*1,110*	*833*	*783*	*683*	*672*
Robusta	*74,284*	*73,168*	*75,174*	*74,453*	*70,122*	*70,112*
Cotton	2,231	4,297	5,157	2,640	1,360	738
Rubber	273,979	311,294	315,636	351,556	404,072	411,044
Sugarcane	23,978,373	25,579,214	22,917,674	24,345,106	22,235,297	26,601,384
Tobacco	52,903	48,308	45,093	38,368	34,289	32,466
Native	*11,428*	*12,743*	*12,593*	*6,715*	*8,158*	*10,047*
Virginia	*23,808*	*22,745*	*20,899*	*19,407*	*19,737*	*15,125*
Vegetables, Root Crops & Tubers						
Asparagus	15,211	22,367	25,231	21,938	14,845	11,891
Brocolli	1,669	1,757	2,072	2,265	2,370	2,603
Cabbage	91,982	92,782	91,439	91,243	123,443	128,865
Camote	546,971	545,147	574,629	566,773	573,734	572,655
Carrots	34,666	35,784	35,418	35,694	65,024	68,366
Cassava	1,622,242	1,640,520	1,677,564	1,756,856	1,871,138	1,941,575
Cauliflower	12,324	12,007	10,641	10,489	10,148	10,758
Eggplant	176,991	182,753	187,793	191,911	210,156	199,579
Gabi	100,705	102,274	109,700	111,942	113,954	115,956
Garlic	15,529	14,999	13,234	12,581	11,285	11,348
Ginger	22,616	24,063	24,700	27,261	27,946	27,538
Gourd	128,387	124,251	120,423	113,421	106,291	104,029
Habitchuelas	11,549	11,856	12,049	13,493	15,922	16,897
Lettuce	1,579	1,721	3,386	3,348	3,335	3,566
Mongo	25,985	26,472	26,748	25,952	29,067	29,617
Okra	22,992	24,913	25,958	26,709	27,886	29,485
Onion	93,842	86,741	82,019	75,978	146,108	128,923
Peanut	26,125	27,087	28,437	29,151	31,205	30,247
Pechay-Chinese	34,894	35,432	37,062	37,171	48,233	50,099
Pechay-Native	41,288	41,339	43,578	43,077	45,039	45,396
Tomato	150,055	172,344	173,740	175,596	188,761	195,810
Ubi	27,884	28,526	29,256	30,074	29,265	24,185
White Potato	68,050	69,456	70,160	69,461	118,497	121,311

Table 2.0: ANNUAL AREA PLANTED/HARVESTED OF SELECTED CROPS, PHILIPPINES, 2003-2008

(IN HECTARES)

Crop	2003	2004	2005	2006	2007	2008
Cereals						
Palay	4,006,421	4,126,645	4,070,421	4,159,930	4,272,889	4,459,977
Irrigated	2,718,538	2,792,196	2,791,721	2,827,886	2,917,012	3,032,638
Rainfed	1,287,883	1,334,449	1,278,700	1,332,044	1,355,877	1,427,339
Corn	2,409,828	2,527,135	2,441,788	2,570,673	2,648,317	2,661,021
White	1,564,943	1,562,347	1,492,202	1,471,453	1,469,327	1,367,410
Yellow	844,885	964,788	949,586	1,099,220	1,178,990	1,293,611
Fruit Crops						
Banana	408,000	414,510	417,755	428,804	436,762	438,593
Cavendish	*46,142*	*50,059*	*51,568*	*67,803*	*74,013*	*75,151*
Lacatan	*51,002*	*51,761*	*52,315*	*52,377*	*53,155*	*53,591*
Saba	*179,875*	*182,259*	*185,168*	*181,568*	*183,028*	*183,139*
Calamansi	19,947	20,013	20,209	20,253	20,545	20,956
Durian	11,524	12,996	13,769	15,673	17,167	18,371
Lanzones	17,032	17,276	18,266	19,668	20,015	20,331
Mandarin	9,102	8,917	8,858	9,646	9,621	9,583
Mango	155,852	158,943	164,101	171,711	184,174	186,770
Carabao	*115,670*	*118,485*	*123,428*	*129,475*	*141,627*	*144,293*
Mangosteen	1,589	1,645	1,713	1,813	1,991	2,214
Orange	2,275	2,269	2,167	1,936	1,817	1,677
Papaya	8,871	8,969	9,459	9,280	9,125	9,175
Pineapple	47,663	48,238	49,215	49,813	53,978	58,251
Rambutan	4,861	5,173	5,299	5,444	5,631	5,669
Tamarind Fruit	2,722	2,740	2,738	2,736	2,690	2,681
Watermelon	5,316	5,779	6,545	6,910	7,234	6,246
Non Food & Industrial Crops						
Abaca	121,476	127,461	135,966	135,883	136,049	137,520
Cacao	10,846	10,845	10,719	10,354	9,985	9,751
Cashew	27,835	27,802	27,683	27,610	27,574	27,517
Coconut	3,216,528	3,258,576	3,243,278	3,337,378	3,359,777	3,379,741
Coffee	131,790	131,206	127,975	126,063	123,975	123,269
Arabica	*21,475*	*21,226*	*21,011*	*20,804*	*20,008*	*19,977*
Excelsa	*12,026*	*11,859*	*11,359*	*10,867*	*10,387*	*10,176*
Liberica	*1,971*	*1,907*	*1,607*	*1,572*	*1,510*	*1,492*
Robusta	94,037	94,700	93,280	92,186	91,592	91,148
Cotton	1,994	2,972	5,956	2,906	1,426	538
Rubber	80,524	80,696	81,925	94,347	110,972	123,260
Sugarcane	383,901	388,627	368,944	392,280	382,956	397,991
Tobacco	41,721	33,773	29,589	26,323	23,863	22,182
Native	*8,924*	*8,757*	*8,028*	*5,429*	*5,980*	*6,969*
Virginia	*22,417*	*17,032*	*14,746*	*14,508*	*14,206*	*11,457*
Vegetables, Root Crops & Tubers						
Asparagus	1,513	1,654	1,614	1,524	970	706
Brocolli	160	173	207	229	240 R/	259
Cabbage	7,746	7,705	7,420	7,323	8,502	8,596
Camote	122,239	120,531	120,638	118,829	117,584	116,465
Carrots	3,505	3,562	3,585	3,481	4,898	5,075
Cassava	209,214	205,755	204,784	204,578	209,633	211,657
Cauliflower	985	1,044	1,017	976 R/	974 R/	1,004
Eggplant	20,984	21,068	21,233	20,901	21,613	21,299
Gabi	18,202	18,081	18,077	18,155	18,215	18,168
Garlic	5,459	5,312	4,704	4,448	3,863	3,849
Ginger	3,611	3,795	3,873	3,941	3,974	3,926
Gourd	10,269	9,675	9,606	9,088	8,382	8,305
Habitchuelas	3,098	3,163	3,356	3,370	3,623	3,723
Lettuce	217	252	416	407	405	440
Mongo	35,618	36,300	36,115	35,732	39,011	39,923
Okra	3,018	3,121	3,138	3,211	3,287	3,488
Onion	9,516	9,512	8,884	8,442	15,879	14,579
Peanut	26,709	26,896	27,472	27,642	28,316	27,726
Pechay-Chinese	2,998	3,037	3,133	3,446	3,645	3,728
Pechay-Native	7,158	6,893	7,085	6,900	7,090	7,185
Tomato	16,779	17,687	17,731	17,128	17,544	17,646
Ubi	5,707	5,806	5,890	5,999	5,839	5,212
White Potato	5,394	5,446	5,497	5,451	7,939	7,994

R/ - Revised

Table 3.0: ANNUAL YIELD PER HECTARE OF SELECTED CROPS, PHILIPPINES, 2003-2008

(IN METRIC TONS)

Crop	2003	2004	2005	2006	2007	2008
Cereals						
Palay	3.37	3.51	3.59	3.68	3.80	3.77
Irrigated	3.77	3.92	4.02	4.10	4.21	4.14
Rainfed	2.52	2.66	2.63	2.80	2.93	2.98
Corn	1.92	2.14	2.15	2.37	2.54	2.60
White	1.31	1.43	1.51	1.60	1.72	1.65
Yellow	3.03	3.30	3.16	3.39	3.57	3.61
Fruit Crops						
Banana	13.16	13.59	15.08	15.85	17.14	19.81
Cavendish	*41.23*	*42.50*	*48.29*	*41.46*	*44.90*	*57.60*
Lacatan	*13.23*	*13.80*	*14.80*	*15.96*	*16.47*	*16.62*
Saba	*11.21*	*11.08*	*11.90*	*12.59*	*13.03*	*13.80*
Calamansi	9.07	8.95	9.94	9.71	9.81	9.53
Durian	3.46	3.15	3.43	3.09	4.27	2.80
Lanzones	3.04	2.90	3.27	2.54	2.91	0.36
Mandarin	2.23	2.23	2.30	2.58	2.63	2.37
Mango	6.46	6.09	6.00	5.35	5.56	4.73
Carabao	*7.03*	*6.67*	*6.46*	*5.71*	*5.85*	*4.94*
Mangosteen	3.08	2.96	3.01	2.48	2.35	0.39
Orange	3.27	2.77	2.67	2.70	2.83	2.90
Papaya	14.74	14.93	15.50	16.93	18.00	19.93
Pineapple	35.62	36.48	36.33	36.82	37.36	37.93
Rambutan	2.45	2.34	2.92	2.46	2.65	1.51
Tamarind Fruit	5.50	4.89	4.95	4.57	4.39	4.12
Watermelon	17.40	18.52	17.58	16.97	17.40	16.53
Non Food & Industrial Crops						
Abaca	0.57	0.58	0.54	0.51	0.49	0.50
Cacao	0.52	0.52	0.53	0.52	0.52	0.53
Cashew	4.00	4.21	4.21	4.10	4.08	4.08
Coconut	4.44	4.41	4.57	4.48	4.42	4.53
Coffee	0.81	0.78	0.83	0.83	0.79	0.79
Arabica	*0.94*	*0.88*	*0.98*	*0.98*	*0.99*	*0.98*
Excelsa	*0.82*	*0.78*	*0.79*	*0.77*	*0.69*	*0.66*
Liberica	*0.59*	*0.58*	*0.52*	*0.50*	*0.45*	*0.45*
Robusta	*0.79*	*0.77*	*0.81*	*0.81*	*0.77*	*0.77*
Cotton	1.12	1.45	0.87	0.91	0.95	1.37
Rubber	3.40	3.86	3.85	3.73	3.64	3.33
Sugarcane	62.46	65.82	62.12	62.06	58.06	66.84
Tobacco	1.27	1.43	1.52	1.46	1.44	1.46
Native	*1.28*	*1.46*	*1.57*	*1.24*	*1.36*	*1.44*
Virginia	*1.06*	*1.34*	*1.42*	*1.34*	*1.39*	*1.32*
Vegetables, Root Crops & Tubers						
Asparagus	10.05	13.52	15.63	14.40	15.30	16.85
Brocolli	10.43	10.16	9.99	9.89	9.88	10.05
Cabbage	11.87	12.04	12.32	12.46	14.52	14.99
Camote	4.47	4.52	4.76	4.77	4.88	4.92
Carrots	9.89	10.05	9.88	10.26	13.28	13.47
Cassava	7.75	7.97	8.19	8.59	8.93	9.17
Cauliflower	12.51	11.50	10.47	10.75	10.42	10.72
Eggplant	8.43	8.67	8.84	9.18	9.72	9.37
Gabi	5.53	5.66	6.07	6.17	6.26	6.38
Garlic	2.84	2.82	2.81	2.83	2.92	2.95
Ginger	6.26	6.34	6.38	6.92	7.03	7.01
Gourd	12.50	12.84	12.54	12.48	12.68	12.53
Habitchuelas	3.73	3.75	3.59	4.00	4.39	4.54
Lettuce	7.29	6.84	8.13	8.22	8.24	8.10
Mongo	0.73	0.73	0.74	0.73	0.75	0.74
Okra	7.62	7.98	8.27	8.32	8.48	8.45
Onion	9.86	9.12	9.23	9.00	9.20	8.84
Peanut	0.98	1.01	1.04	1.05	1.10	1.09
Pechay-Chinese	11.64	11.67	11.83	10.79	13.23	13.44
Pechay-Native	5.77	6.00	6.15	6.24	6.35	6.32
Tomato	8.94	9.74	9.80	10.25	10.76	11.10
Ubi	4.89	4.91	4.97	5.01	5.01	4.64
Irish Potato	12.62	12.75	12.76	12.74	14.93	15.18

Table 4.0: ANNUAL NUMBER OF BEARING TREES/HILLS, PLANTING DENSITY AND YIELD PER BEARING TREE/HILLS, PHILIPPINES, 2003-2008

Crop	2003	2004	2005	2006	2007	2008
BEARING TREES/HILLS (no.)						
Banana	193,398,435	201,577,752	212,756,103	228,036,614	250,538,983	264,356,573
Cavendish	*47,359,055*	*54,391,988*	*60,966,917*	*73,914,227*	*92,933,070*	*105,089,123*
Lacatan	*23,430,846*	*24,231,558*	*25,367,241*	*27,094,065*	*29,245,115*	*29,843,193*
Saba	*71,551,340*	*73,194,284*	*76,300,864*	*76,714,879*	*76,843,550*	*77,109,265*
Cacao	4,098,567	4,257,821	4,295,279	4,129,905	4,050,124	3,942,957
Calamansi	8,273,114	8,304,134	8,881,381	8,882,304	9,056,933	9,216,422
Cashew	3,516,080	3,516,314	3,522,996	3,495,138	3,496,379	3,491,813
Coconut	324,324,277	331,465,540	328,652,399	335,466,568	338,724,352	339,357,206
Coffee	91,522,202	91,866,361	91,253,539	89,883,642	86,214,597	85,757,726
Arabica	*14,409,940*	*14,174,263*	*14,762,862*	*14,429,081*	*13,982,479*	*13,957,631*
Excelsa	*7,219,458*	*7,421,051*	*7,063,018*	*6,722,073*	*6,324,887*	*6,239,477*
Liberica	*1,294,122*	*1,270,684*	*1,051,120*	*1,025,886*	*992,237*	*980,529*
Robusta	*67,300,523*	*68,181,189*	*68,027,895*	*67,428,907*	*64,685,812*	*64,350,923*
Durian	489,945	542,689	583,668	609,814	649,947	638,854
Lanzones	1,891,840	1,904,109	1,981,691	1,999,588	1,964,576	2,012,620
Mandarin	1,064,979	1,067,723	1,075,467	1,196,065	1,199,671	1,160,260
Mango	6,856,846	7,054,605	7,610,466	7,842,506	8,115,899	8,171,854
Carabao	*4,667,323*	*4,879,228*	*5,279,476*	*5,576,437*	*5,841,197*	*5,880,136*
Mangosteen	175,536	184,755	188,684	189,740	192,355	206,884
Orange	309,436	302,852	277,885	250,562	229,281	204,306
Papaya	5,351,139	5,352,371	5,650,747	5,701,587	5,599,575	5,670,826
Rambutan	427,081	430,287	445,931	457,127	407,939	411,808
Rubber	25,415,604	27,703,924	29,147,736	30,123,884	35,030,731	37,030,656
Tamarind Fruit	159,369	155,749	155,805	153,821	154,331	151,398
PLANTING DENSITY (Btrees/ha)						
Banana	474	486	509	532	574	603
Cavendish	*1,026*	*1,087*	*1,182*	*1,090*	*1,256*	*1,398*
Lacatan	*459*	*468*	*485*	*517*	*550*	*557*
Saba	*398*	*402*	*412*	*423*	*420*	*421*
Cacao	378	393	401	399	406	404
Calamansi	415	415	439	439	441	440
Cashew	126	126	127	127	127	127
Coconut	101	102	101	101	101	100
Coffee	694	700	713	713	695	696
Arabica	*671*	*668*	*703*	*694*	*699*	*699*
Excelsa	*600*	*626*	*622*	*619*	*609*	*613*
Liberica	*656*	*666*	*654*	*653*	*657*	*657*
Robusta	*716*	*720*	*729*	*731*	*706*	*706*
Durian	43	42	42	39	38	35
Lanzones	111	110	108	102	98	99
Mandarin	117	120	121	124	125	121
Mango	44	44	46	46	44	44
Carabao	*40*	*41*	*43*	*43*	*41*	*41*
Mangosteen	110	112	110	105	97	93
Orange	136	133	128	129	126	122
Papaya	603	597	597	614	614	618
Rambutan	88	83	84	84	72	73
Rubber	316	343	356	319	316	300
Tamarind Fruit	59	57	57	56	57	56
YIELD PER BEARING TREE/HILLS (kg)						
Banana	27.76	27.94	29.60	29.80	29.87	32.86
Cavendish	*40.17*	*39.12*	*40.85*	*38.03*	*23.51*	*24.56*
Lacatan	*28.80*	*29.49*	*30.51*	*30.86*	*29.93*	*29.85*
Saba	*28.19*	*27.58*	*28.89*	*29.80*	*31.05*	*32.77*
Cacao	1.39	1.33	1.32	1.31	1.29	1.31
Calamansi	21.87	21.56	22.61	22.13	22.26	21.67
Cashew	31.65	33.25	33.08	32.35	32.19	32.17
Coconut	44.07	43.34	45.11	44.59	43.85	45.14
Coffee	1.16	1.12	1.16	1.16	1.14	1.14
Arabica	*1.40*	*1.32*	*1.40*	*1.41*	*1.41*	*1.41*
Excelsa	*1.37*	*1.25*	*1.26*	*1.24*	*1.13*	*1.08*
Liberica	*0.91*	*0.87*	*0.79*	*0.76*	*0.69*	*0.69*
Robusta	*1.10*	*1.07*	*1.11*	*1.10*	*1.08*	*1.09*
Durian	81.27	75.38	81.03	79.48	112.70	80.46
Lanzones	27.38	26.35	30.16	25.01	29.65	3.68
Mandarin	19.03	18.64	18.93	20.80	21.07	19.60
Mango	146.74	137.14	129.34	117.19	126.16	108.18
Carabao	*174.24*	*162.06*	*151.00*	*132.46*	*141.82*	*121.16*
Mangosteen	27.92	26.32	27.30	23.68	24.34	4.18
Orange	24.02	20.78	20.85	20.89	22.45	23.83
Papaya	24.44	25.01	25.95	27.56	29.33	32.25
Rambutan	27.87	28.09	34.68	29.32	36.56	20.77
Rubber	10.78	11.24	10.83	11.67	11.53	11.10
Tamarind Fruit	93.89	86.08	87.04	81.20	76.49	73.00

II. REGIONAL STATISTICS
A. CEREALS

HIGHLIGHTS

PALAY

In 2008, palay production reached 16.82 million mt or 3.5 percent more than the 2007 level of 16.24 million mt. The top producing regions were Central Luzon, Western Visayas, Cagayan Valley and Ilocos Region with a combined output of 8.90 million mt or 53 percent of the country's total palay production for the year (Figure 1). Total area harvested from these regions represented 50 percent of the national total of 4.46 million hectares (Figure 2). Yield of palay in Ilocos Region, Cagayan Valley, Central Luzon, CALABARZON, Zamboanga Peninsula, Northern Mindanao and Davao Region surpassed the national average of 3.77 mt per hectare (Table 2.1).

Figure 1. Palay: Top Producing Regions, Philippines, 2008

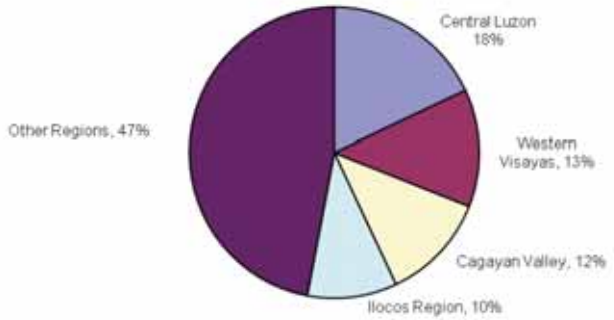
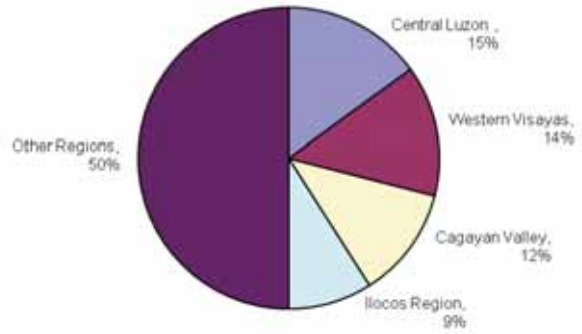
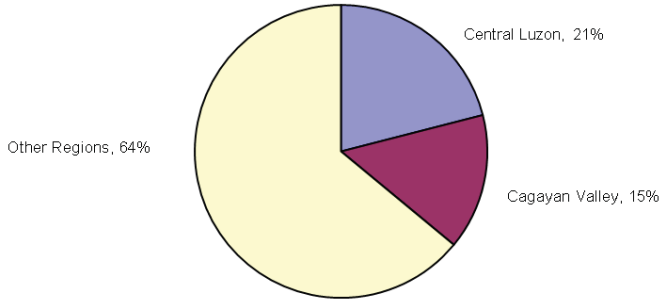


Figure 2. Palay: Area Harvested by Region, Philippines, 2008



In irrigated areas, palay production was 12.56 million mt. Central Luzon posted the highest production level at 2.71 million mt followed by Cagayan Valley at 1.87 million mt (Table 2.2). These regions accounted for 21 percent and 15 percent, respectively, of the total irrigated palay output in the country (Figure 3).

Figure 3. Irrigated Palay: Top Producing Regions, Philippines, 2008



In rainfed areas, palay production was 4.26 million mt. The top producer was Western Visayas at 877.39 thousand mt which accounted for 21 percent of the national rainfed palay production. This was followed by Ilocos Region at 578 thousand mt and shared 13 percent to total rainfed palay production (Figure 4).

Figure 4. Rainfed Palay: Top Producing Regions, Philippines, 2008

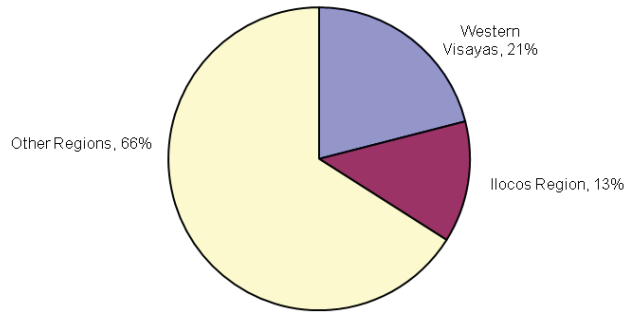


Table 2.1 PALAY: PRODUCTION, AREA HARVESTED AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**13,499,884**	**14,496,784**	**14,603,005**	**15,326,706**	**16,240,194**	**16,815,548**
CAR	300,776	355,877	354,429	397,340	436,311	445,156
Ilocos Region	1,304,374	1,317,574	1,382,877	1,597,168	1,642,301	1,691,629
Cagayan Valley	1,666,484	1,892,311	1,848,849	1,953,755	2,025,245	2,080,240
Central Luzon	2,395,461	2,466,441	2,545,853	2,677,633	2,942,113	3,014,347
CALABARZON	376,534	402,066	392,323	358,364	391,418	428,085
MIMAROPA	818,182	799,768	785,309	829,867	877,180	863,215
Bicol Region	761,048	943,214	981,918	888,772	991,430	997,581
Western Visayas	1,767,530	1,935,869	1,800,820	1,987,224	1,992,426	2,117,598
Central Visayas	193,287	228,896	208,838	245,131	251,802	311,801
Eastern Visayas	674,096	721,932	788,857	830,287	948,827	1,030,621
Zamboanga Peninsula	524,077	546,925	562,557	514,201	553,759	551,310
Northern Mindanao	489,872	465,872	459,010	461,289	501,892	551,246
Davao Region	459,444	480,371	470,086	476,411	427,184	418,954
SOCCSKSARGEN	1,025,035	1,097,135	1,090,105	1,146,220	1,186,688	1,234,757
Caraga	344,706	351,629	385,963	408,774	455,838	447,317
ARMM	398,978	490,904	545,211	554,270	615,780	631,691
Area Harvested (ha)						
PHILIPPINES	**4,006,421**	**4,126,645**	**4,070,421**	**4,159,930**	**4,272,889**	**4,459,977**
CAR	94,431	100,171	99,375	104,021	118,135	119,816
Ilocos Region	354,360	363,045	362,155	376,426	377,361	388,763
Cagayan Valley	450,379	488,595	473,972	503,593	501,943	536,916
Central Luzon	569,729	565,752	571,020	593,033	640,913	666,309
CALABARZON	123,062	121,023	110,236	104,031	104,714	112,120
MIMAROPA	254,675	242,619	230,807	238,395	247,803	254,403
Bicol Region	277,136	300,430	304,549	281,483	286,374	290,718
Western Visayas	578,171	602,493	587,120	611,135	601,595	646,197
Central Visayas	79,898	89,436	81,850	99,484	97,507	105,154
Eastern Visayas	228,521	229,353	230,141	233,221	260,386	276,573
Zamboanga Peninsula	155,120	156,402	158,585	141,177	148,278	145,314
Northern Mindanao	135,466	129,934	124,871	122,492	129,249	137,276
Davao Region	113,777	110,797	108,374	108,992	97,487	95,252
SOCCSKSARGEN	306,243	325,102	310,865	319,878	328,341	346,403
Caraga	113,921	115,348	116,766	126,058	133,444	138,259
ARMM	171,532	186,145	199,735	196,511	199,359	200,504
Yield Per Hectare (mt)						
PHILIPPINES	**3.37**	**3.51**	**3.59**	**3.68**	**3.80**	**3.77**
CAR	3.19	3.55	3.57	3.82	3.69	3.72
Ilocos Region	3.68	3.63	3.82	4.24	4.35	4.35
Cagayan Valley	3.70	3.87	3.90	3.88	4.03	3.87
Central Luzon	4.20	4.36	4.46	4.52	4.59	4.52
CALABARZON	3.06	3.32	3.56	3.44	3.74	3.82
MIMAROPA	3.21	3.30	3.40	3.48	3.54	3.39
Bicol Region	2.75	3.14	3.22	3.16	3.46	3.43
Western Visayas	3.06	3.21	3.07	3.25	3.31	3.28
Central Visayas	2.42	2.56	2.55	2.46	2.58	2.97
Eastern Visayas	2.95	3.15	3.43	3.56	3.64	3.73
Zamboanga Peninsula	3.38	3.50	3.55	3.64	3.73	3.79
Northern Mindanao	3.62	3.59	3.68	3.77	3.88	4.02
Davao Region	4.04	4.34	4.34	4.37	4.38	4.40
SOCCSKSARGEN	3.35	3.37	3.51	3.58	3.61	3.56
Caraga	3.03	3.05	3.31	3.24	3.42	3.24
ARMM	2.33	2.64	2.73	2.82	3.09	3.15

Table 2.2 IRRIGATED PALAY: PRODUCTION, AREA HARVESTED AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**10,250,223**	**10,941,836**	**11,233,793**	**11,594,933**	**12,269,390**	**12,556,150**
CAR	272,135	322,192	320,393	361,090	363,248	372,282
Ilocos Region	908,912	934,314	982,868	1,045,763	1,078,029	1,113,627
Cagayan Valley	1,547,983	1,722,223	1,754,957	1,768,665	1,826,454	1,872,024
Central Luzon	2,095,908	2,149,102	2,254,494	2,365,130	2,628,489	2,710,433
CALABARZON	302,452	328,673	319,057	301,486	314,735	340,836
MIMAROPA	487,082	474,993	487,619	524,257	552,042	536,497
Bicol Region	533,171	684,685	722,297	657,678	759,873	724,258
Western Visayas	1,038,003	1,114,381	1,055,876	1,198,704	1,157,896	1,240,210
Central Visayas	143,305	154,392	144,515	157,504	167,168	192,239
Eastern Visayas	415,051	438,393	488,546	512,150	593,218	631,886
Zamboanga Peninsula	344,432	351,281	370,716	345,306	360,246	374,836
Northern Mindanao	454,270	427,595	428,301	429,776	466,022	507,939
Davao Region	407,394	431,080	432,854	428,145	387,140	378,087
SOCCSKSARGEN	889,816	938,798	927,057	958,805	992,386	998,390
Caraga	250,296	260,801	287,736	298,384	326,401	312,206
ARMM	160,013	208,933	256,507	242,090	296,043	250,400
Area Harvested (ha)						
PHILIPPINES	**2,718,538**	**2,792,196**	**2,791,721**	**2,827,886**	**2,917,012**	**3,032,638**
CAR	82,135	87,227	86,459	90,776	90,817	93,011
Ilocos Region	234,561	244,007	244,708	237,958	237,839	247,034
Cagayan Valley	394,449	420,641	426,455	433,709	428,617	454,715
Central Luzon	482,850	480,517	488,997	509,619	556,385	580,358
CALABARZON	84,049	84,346	76,906	74,458	75,511	80,024
MIMAROPA	138,986	133,273	130,401	134,085	139,477	145,603
Bicol Region	170,075	188,089	192,037	183,904	196,373	192,774
Western Visayas	294,302	304,977	299,341	323,802	308,409	337,176
Central Visayas	47,236	48,548	46,415	49,473	51,618	54,787
Eastern Visayas	103,708	104,289	104,927	105,967	122,677	131,398
Zamboanga Peninsula	91,473	89,614	91,707	84,348	86,920	89,685
Northern Mindanao	121,747	115,615	113,687	111,059	117,720	122,654
Davao Region	93,891	93,311	92,838	91,474	83,822	82,975
SOCCSKSARGEN	250,838	260,775	250,687	251,932	259,508	267,169
Caraga	76,870	80,326	80,587	85,711	89,876	89,273
ARMM	51,368	56,641	65,569	59,611	71,443	64,002
Yield Per Hectare (mt)						
PHILIPPINES	**3.77**	**3.92**	**4.02**	**4.10**	**4.21**	**4.14**
CAR	3.31	3.69	3.71	3.98	4.00	4.00
Ilocos Region	3.87	3.83	4.02	4.39	4.53	4.51
Cagayan Valley	3.92	4.09	4.12	4.08	4.26	4.12
Central Luzon	4.34	4.47	4.61	4.64	4.72	4.67
CALABARZON	3.60	3.90	4.15	4.05	4.17	4.26
MIMAROPA	3.50	3.56	3.74	3.91	3.96	3.68
Bicol Region	3.13	3.64	3.76	3.58	3.87	3.76
Western Visayas	3.53	3.65	3.53	3.70	3.75	3.68
Central Visayas	3.03	3.18	3.11	3.18	3.24	3.51
Eastern Visayas	4.00	4.20	4.66	4.83	4.84	4.81
Zamboanga Peninsula	3.77	3.92	4.04	4.09	4.14	4.18
Northern Mindanao	3.73	3.70	3.77	3.87	3.96	4.14
Davao Region	4.34	4.62	4.66	4.68	4.62	4.56
SOCCSKSARGEN	3.55	3.60	3.70	3.81	3.82	3.74
Caraga	3.26	3.25	3.57	3.48	3.63	3.50
ARMM	3.12	3.69	3.91	4.06	4.14	3.91

Table 2.3 RAINFED PALAY: PRODUCTION, AREA HARVESTED AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**3,249,661**	**3,554,948**	**3,369,212**	**3,731,773**	**3,970,804**	**4,259,398**
CAR	28,641	33,685	34,036	36,250	73,063	72,874
Ilocos Region	395,462	383,260	400,009	551,405	564,272	578,002
Cagayan Valley	118,501	170,088	93,892	185,090	198,791	208,216
Central Luzon	299,553	317,339	291,359	312,503	313,624	303,914
CALABARZON	74,082	73,393	73,266	56,878	76,683	87,249
MIMAROPA	331,100	324,775	297,690	305,610	325,138	326,718
Bicol Region	227,877	258,529	259,621	231,094	231,557	273,323
Western Visayas	729,527	821,488	744,944	788,520	834,530	877,388
Central Visayas	49,982	74,504	64,323	87,627	84,634	119,562
Eastern Visayas	259,045	283,539	300,311	318,137	355,609	398,735
Zamboanga Peninsula	179,645	195,644	191,841	168,895	193,513	176,474
Northern Mindanao	35,602	38,277	30,709	31,513	35,870	43,307
Davao Region	52,050	49,291	37,232	48,266	40,044	40,867
SOCCSKSARGEN	135,219	158,337	163,048	187,415	194,302	236,367
Caraga	94,410	90,828	98,227	110,390	129,437	135,111
ARMM	238,965	281,971	288,704	312,180	319,737	381,291
Area Harvested (ha)						
PHILIPPINES	**1,287,883**	**1,334,449**	**1,278,700**	**1,332,044**	**1,355,877**	**1,427,339**
CAR	12,296	12,944	12,916	13,245	27,318	26,805
Ilocos Region	119,799	119,038	117,447	138,468	139,522	141,729
Cagayan Valley	55,930	67,954	47,517	69,884	73,326	82,201
Central Luzon	86,879	85,235	82,023	83,414	84,528	85,951
CALABARZON	39,013	36,677	33,330	29,573	29,203	32,096
MIMAROPA	115,689	109,346	100,406	104,310	108,326	108,800
Bicol Region	107,061	112,341	112,512	97,579	90,001	97,944
Western Visayas	283,869	297,516	287,779	287,333	293,186	309,021
Central Visayas	32,662	40,888	35,435	50,011	45,889	50,367
Eastern Visayas	124,813	125,064	125,214	127,254	137,709	145,175
Zamboanga Peninsula	63,647	66,788	66,878	56,829	61,358	55,629
Northern Mindanao	13,719	14,319	11,184	11,433	11,529	14,622
Davao Region	19,886	17,486	15,536	17,518	13,665	12,277
SOCCSKSARGEN	55,405	64,327	60,178	67,946	68,833	79,234
Caraga	37,051	35,022	36,179	40,347	43,568	48,986
ARMM	120,164	129,504	134,166	136,900	127,916	136,502
Yield Per Hectare (mt)						
PHILIPPINES	**2.52**	**2.66**	**2.63**	**2.80**	**2.93**	**2.98**
CAR	2.33	2.60	2.64	2.74	2.67	2.72
Ilocos Region	3.30	3.22	3.41	3.98	4.04	4.08
Cagayan Valley	2.12	2.50	1.98	2.65	2.71	2.53
Central Luzon	3.45	3.72	3.55	3.75	3.71	3.54
CALABARZON	1.90	2.00	2.20	1.92	2.63	2.72
MIMAROPA	2.86	2.97	2.96	2.93	3.00	3.00
Bicol Region	2.13	2.30	2.31	2.37	2.57	2.79
Western Visayas	2.57	2.76	2.59	2.74	2.85	2.84
Central Visayas	1.53	1.82	1.82	1.75	1.84	2.37
Eastern Visayas	2.08	2.27	2.40	2.50	2.58	2.75
Zamboanga Peninsula	2.82	2.93	2.87	2.97	3.15	3.17
Northern Mindanao	2.60	2.67	2.75	2.76	3.11	2.96
Davao Region	2.62	2.82	2.40	2.76	2.93	3.33
SOCCSKSARGEN	2.44	2.46	2.71	2.76	2.82	2.98
Caraga	2.55	2.59	2.72	2.74	2.97	2.76
ARMM	1.99	2.18	2.15	2.28	2.50	2.79

HIGHLIGHTS

CORN

Total production of corn in 2008 was 6.93 million mt. The major producing regions were Cagayan Valley, Northern Mindanao and SOCCSKSARGEN. The combined output from these regions represented 53 percent of the country's total corn production (Figure 1). Total area harvested in these regions accounted for 45 percent of the national level of 2.66 million hectares (Figure 2). In terms of yield, CAR, Ilocos Region, Cagayan Valley and Central Luzon posted average yields ranging from 3.73 mt to 4.88 mt per hectare (Table 2.4).

Figure 1. Corn: Top Producing Regions, Philippines, 2008

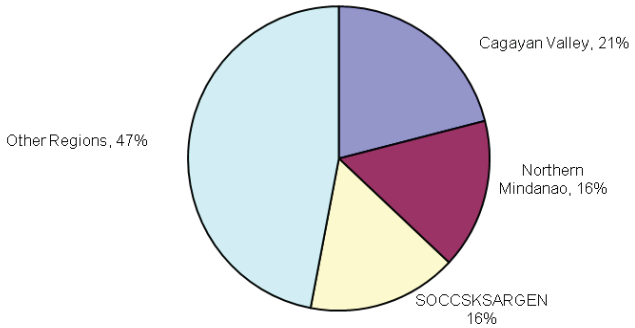
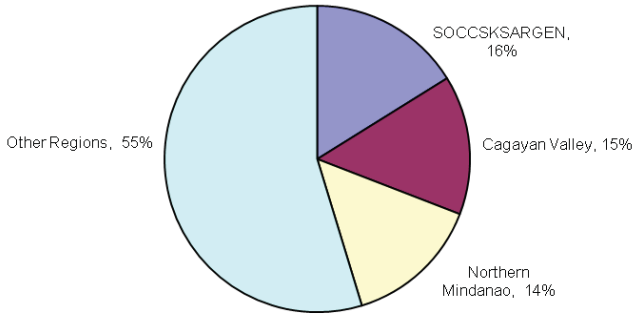


Figure 2. Corn: Area Harvested by Region, Philippines, 2008



White corn production was highest in ARMM at 593.12 thousand mt, or 26 percent of the total white corn production of the country. Northern Mindanao followed with 381.58 thousand mt or 17 percent share to the national total. On the other hand, yellow corn production was highest in Cagayan Valley at 1.41 million mt, or 30 percent of the total yellow corn production for the year. SOCCSKSARGEN followed with 820.47 thousand mt or 18 percent to total production (Tables 2.5-2.6).

Figure 3. White Corn: Top Producing Regions, Philippines, 2008

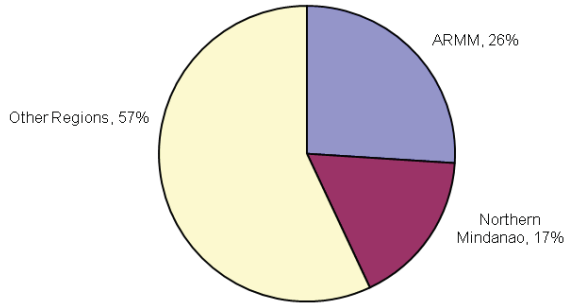
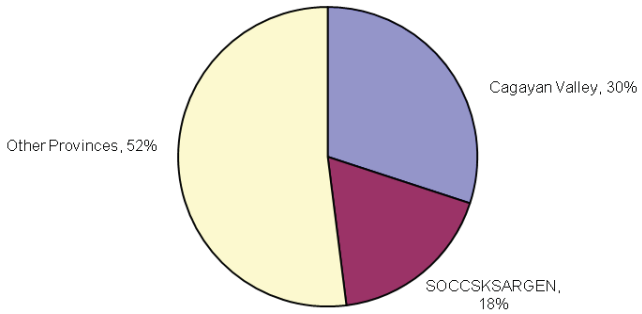


Figure 4. Yellow Corn: Top Producing Regions, Philippines, 2008



In terms of yield, Ilocos Region registered the highest at 3.18 mt per hectare for white corn and 5.43 mt per hectare for yellow corn (Tables 2.5-2.6).

Table 2.4 CORN: PRODUCTION, AREA HARVESTED AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**4,615,625**	**5,413,386**	**5,253,160**	**6,082,109**	**6,736,940**	**6,928,225**
CAR	84,162	106,282	130,464	160,109	175,582	196,421
Ilocos Region	196,679	223,855	300,184	320,167	335,575	363,662
Cagayan Valley	824,053	1,198,394	769,506	1,219,382	1,281,309	1,476,879
Central Luzon	143,619	147,230	182,333	182,763	198,590	225,915
CALABARZON	42,772	53,034	64,102	53,412	66,249	60,319
MIMAROPA	59,359	67,564	94,161	107,559	114,715	110,088
Bicol Region	66,361	81,285	118,115	142,264	195,826	202,675
Western Visayas	128,728	138,205	193,736	257,589	314,507	350,259
Central Visayas	192,061	183,995	188,525	180,983	199,420	175,260
Eastern Visayas	51,835	59,906	68,416	76,162	88,252	96,594
Zamboanga Peninsula	176,287	199,631	223,208	204,391	219,679	181,809
Northern Mindanao	817,182	927,689	938,227	964,327	1,048,344	1,127,564
Davao Region	214,344	247,781	293,413	343,907	354,247	286,410
SOCCSKSARGEN	870,124	1,025,312	959,286	1,087,843	1,123,584	1,117,781
Caraga	74,545	95,260	98,595	86,434	126,037	99,916
ARMM	673,514	657,963	630,889	694,817	895,024	856,673
Area Harvested (ha)						
PHILIPPINES	**2,409,828**	**2,527,135**	**2,441,788**	**2,570,673**	**2,648,317**	**2,661,021**
CAR	31,211	34,961	42,010	44,838	50,087	52,698
Ilocos Region	53,837	56,305	67,298	68,680	72,115	74,460
Cagayan Valley	247,142	316,411	258,180	361,779	369,159	390,537
Central Luzon	36,823	36,921	44,500	41,897	43,935	48,307
CALABARZON	36,480	37,298	36,365	30,583	32,618	34,451
MIMAROPA	28,266	29,729	36,407	38,375	38,834	38,111
Bicol Region	81,762	81,068	80,237	80,789	89,513	100,274
Western Visayas	81,827	88,700	107,030	120,400	130,949	142,448
Central Visayas	244,699	244,259	246,463	239,745	248,902	236,248
Eastern Visayas	56,969	56,858	58,589	59,175	63,145	65,756
Zamboanga Peninsula	184,992	183,005	163,365	160,386	154,101	129,061
Northern Mindanao	377,276	393,149	381,499	378,273	369,839	383,695
Davao Region	195,783	203,420	200,409	204,304	196,848	188,362
SOCCSKSARGEN	421,326	418,019	398,343	419,039	418,594	430,221
Caraga	49,839	57,055	55,765	44,869	57,514	50,470
ARMM	281,596	289,977	265,328	277,541	312,164	295,922
Yield Per Hectare (mt)						
PHILIPPINES	**1.92**	**2.14**	**2.15**	**2.37**	**2.54**	**2.60**
CAR	2.70	3.04	3.11	3.57	3.51	3.73
Ilocos Region	3.65	3.98	4.46	4.66	4.65	4.88
Cagayan Valley	3.33	3.79	2.98	3.37	3.47	3.78
Central Luzon	3.90	3.99	4.10	4.36	4.52	4.68
CALABARZON	1.17	1.42	1.76	1.75	2.03	1.75
MIMAROPA	2.10	2.27	2.59	2.80	2.95	2.89
Bicol Region	0.81	1.00	1.47	1.76	2.19	2.02
Western Visayas	1.57	1.56	1.81	2.14	2.40	2.46
Central Visayas	0.78	0.75	0.76	0.75	0.80	0.74
Eastern Visayas	0.91	1.05	1.17	1.29	1.40	1.47
Zamboanga Peninsula	0.95	1.09	1.37	1.27	1.43	1.41
Northern Mindanao	2.17	2.36	2.46	2.55	2.83	2.94
Davao Region	1.09	1.22	1.46	1.68	1.80	1.52
SOCCSKSARGEN	2.07	2.45	2.41	2.60	2.68	2.60
Caraga	1.50	1.67	1.77	1.93	2.19	1.98
ARMM	2.39	2.27	2.38	2.50	2.87	2.89

Table 2.5 WHITE CORN: PRODUCTION, AREA HARVESTED AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**2,052,684**	**2,227,430**	**2,251,617**	**2,360,840**	**2,527,633**	**2,254,567**
CAR	20,109	21,026	24,809	24,053	21,520	15,224
Ilocos Region	41,543	42,429	49,473	52,121	57,266	57,377
Cagayan Valley	59,588	77,529	54,460	61,249	64,618	64,368
Central Luzon	13,983	14,330	15,893	18,294	20,520	23,458
CALABARZON	13,781	19,007	21,719	23,088	30,996	31,084
MIMAROPA	4,854	6,304	8,578	9,121	11,851	11,032
Bicol Region	24,360	35,887	37,183	40,077	46,745	49,746
Western Visayas	39,453	43,397	52,821	57,362	64,319	73,684
Central Visayas	174,840	165,212	170,859	167,299	183,695	165,387
Eastern Visayas	49,555	57,331	63,772	70,608	80,185	86,634
Zamboanga Peninsula	168,203	183,123	206,847	191,351	188,463	150,399
Northern Mindanao	386,088	359,708	339,889	368,959	358,259	381,578
Davao Region	169,464	181,347	215,174	258,594	234,094	188,007
SOCCSKSARGEN	390,892	449,338	397,273	411,322	379,165	297,311
Caraga	61,142	77,452	75,521	62,382	86,994	66,161
ARMM	434,829	494,010	517,346	544,960	698,943	593,117
Area Harvested (ha)						
PHILIPPINES	**1,564,943**	**1,562,347**	**1,492,202**	**1,471,453**	**1,469,327**	**1,367,410**
CAR	12,795	12,266	13,825	12,348	11,395	8,759
Ilocos Region	17,198	16,968	17,420	17,190	18,227	18,044
Cagayan Valley	28,496	32,373	27,918	28,006	27,871	26,045
Central Luzon	8,917	8,788	9,164	9,276	9,582	10,243
CALABARZON	12,895	13,952	12,807	12,917	16,352	19,538
MIMAROPA	4,442	5,445	6,181	6,233	7,566	6,665
Bicol Region	52,187	50,592	46,479	43,446	48,973	52,314
Western Visayas	40,722	43,497	45,988	46,276	47,186	51,930
Central Visayas	233,892	231,992	235,094	230,400	240,010	229,946
Eastern Visayas	54,941	54,788	55,264	55,572	57,989	59,958
Zamboanga Peninsula	181,222	176,162	157,218	155,086	142,632	117,140
Northern Mindanao	251,230	228,854	219,401	221,275	203,534	199,490
Davao Region	176,952	178,161	172,257	175,551	159,206	153,433
SOCCSKSARGEN	225,486	210,472	196,406	188,697	174,765	152,362
Caraga	45,934	51,849	49,129	38,370	46,774	41,185
ARMM	217,634	246,188	227,651	230,810	257,265	220,358
Yield Per Hectare (mt)						
PHILIPPINES	**1.31**	**1.43**	**1.51**	**1.60**	**1.72**	**1.65**
CAR	1.57	1.71	1.79	1.95	1.89	1.74
Ilocos Region	2.42	2.50	2.84	3.03	3.14	3.18
Cagayan Valley	2.09	2.39	1.95	2.19	2.32	2.47
Central Luzon	1.57	1.63	1.73	1.97	2.14	2.29
CALABARZON	1.07	1.36	1.70	1.79	1.90	1.59
MIMAROPA	1.09	1.16	1.39	1.46	1.57	1.66
Bicol Region	0.47	0.71	0.80	0.92	0.95	0.95
Western Visayas	0.97	1.00	1.15	1.24	1.36	1.42
Central Visayas	0.75	0.71	0.73	0.73	0.77	0.72
Eastern Visayas	0.90	1.05	1.15	1.27	1.38	1.44
Zamboanga Peninsula	0.93	1.04	1.32	1.23	1.32	1.28
Northern Mindanao	1.54	1.57	1.55	1.67	1.76	1.91
Davao Region	0.96	1.02	1.25	1.47	1.47	1.23
SOCCSKSARGEN	1.73	2.13	2.02	2.18	2.17	1.95
Caraga	1.33	1.49	1.54	1.63	1.86	1.61
ARMM	2.00	2.01	2.27	2.36	2.72	2.69

Table 2.6 YELLOW CORN: PRODUCTION, AREA HARVESTED AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**2,562,941**	**3,185,956**	**3,001,543**	**3,721,269**	**4,209,307**	**4,673,658**
CAR	64,053	85,256	105,655	136,056	154,062	181,197
Ilocos Region	155,136	181,426	250,711	268,046	278,309	306,285
Cagayan Valley	764,465	1,120,865	715,046	1,158,133	1,216,691	1,412,511
Central Luzon	129,636	132,900	166,440	164,469	178,070	202,457
CALABARZON	28,991	34,027	42,383	30,324	35,253	29,235
MIMAROPA	54,505	61,260	85,583	98,438	102,864	99,056
Bicol Region	42,001	45,398	80,932	102,187	149,081	152,929
Western Visayas	89,275	94,808	140,915	200,227	250,188	276,575
Central Visayas	17,221	18,783	17,666	13,684	15,725	9,873
Eastern Visayas	2,280	2,575	4,644	5,554	8,067	9,960
Zamboanga Peninsula	8,084	16,508	16,361	13,040	31,216	31,410
Northern Mindanao	431,094	567,981	598,338	595,368	690,085	745,986
Davao Region	44,880	66,434	78,239	85,313	120,153	98,403
SOCCSKSARGEN	479,232	575,974	562,013	676,521	744,419	820,470
Caraga	13,403	17,808	23,074	24,052	39,043	33,755
ARMM	238,685	163,953	113,543	149,857	196,081	263,556
Area Harvested (ha)						
PHILIPPINES	**844,885**	**964,788**	**949,586**	**1,099,220**	**1,178,990**	**1,293,611**
CAR	18,416	22,695	28,185	32,490	38,692	43,939
Ilocos Region	36,639	39,337	49,878	51,490	53,888	56,416
Cagayan Valley	218,646	284,038	230,262	333,773	341,288	364,492
Central Luzon	27,906	28,133	35,336	32,621	34,353	38,064
CALABARZON	23,585	23,346	23,558	17,666	16,266	14,913
MIMAROPA	23,824	24,284	30,226	32,142	31,268	31,446
Bicol Region	29,575	30,476	33,758	37,343	40,540	47,960
Western Visayas	41,105	45,203	61,042	74,124	83,763	90,518
Central Visayas	10,807	12,267	11,369	9,345	8,892	6,302
Eastern Visayas	2,028	2,070	3,325	3,603	5,156	5,798
Zamboanga Peninsula	3,770	6,843	6,147	5,300	11,469	11,921
Northern Mindanao	126,046	164,295	162,098	156,998	166,305	184,205
Davao Region	18,831	25,259	28,152	28,753	37,642	34,929
SOCCSKSARGEN	195,840	207,547	201,937	230,342	243,829	277,859
Caraga	3,905	5,206	6,636	6,499	10,740	9,285
ARMM	63,962	43,789	37,677	46,731	54,899	75,564
Yield Per Hectare (mt)						
PHILIPPINES	**3.03**	**3.30**	**3.16**	**3.39**	**3.57**	**3.61**
CAR	3.48	3.76	3.75	4.19	3.98	4.12
Ilocos Region	4.23	4.61	5.03	5.21	5.16	5.43
Cagayan Valley	3.50	3.95	3.11	3.47	3.56	3.88
Central Luzon	4.65	4.72	4.71	5.04	5.18	5.32
CALABARZON	1.23	1.46	1.80	1.72	2.17	1.96
MIMAROPA	2.29	2.52	2.83	3.06	3.29	3.15
Bicol Region	1.42	1.49	2.40	2.74	3.68	3.19
Western Visayas	2.17	2.10	2.31	2.70	2.99	3.06
Central Visayas	1.59	1.53	1.55	1.46	1.77	1.57
Eastern Visayas	1.12	1.24	1.40	1.54	1.56	1.72
Zamboanga Peninsula	2.14	2.41	2.66	2.46	2.72	2.54
Northern Mindanao	3.42	3.46	3.69	3.79	4.15	4.05
Davao Region	2.38	2.63	2.78	2.97	3.19	2.82
SOCCSKSARGEN	2.45	2.78	2.78	2.94	3.05	2.95
Caraga	3.43	3.42	3.48	3.70	3.64	3.64
ARMM	3.73	3.74	3.01	3.21	3.57	3.49

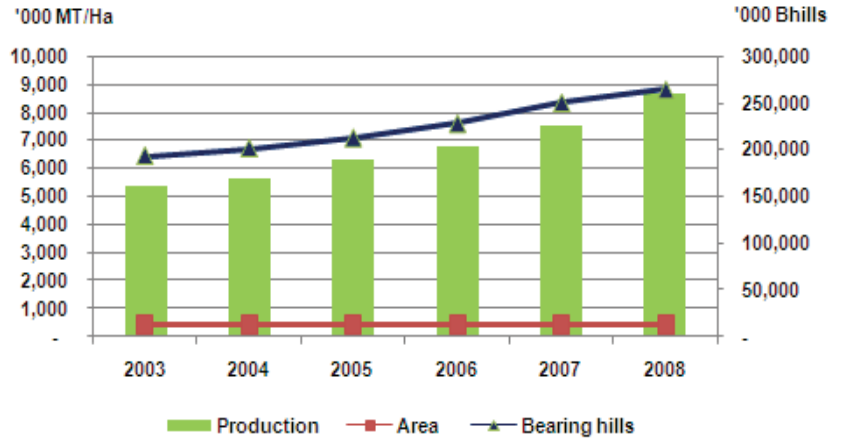
B. FRUIT CROPS

HIGHLIGHTS

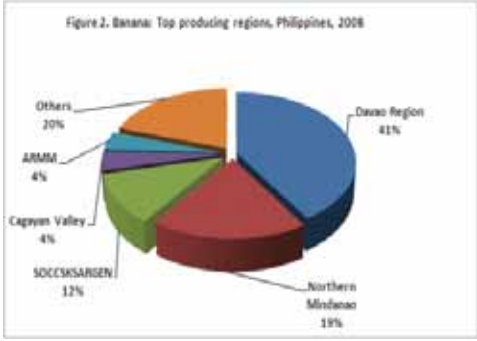
BANANA

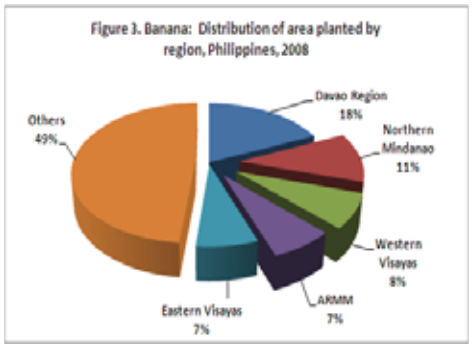
Production steadily increased annually by an average of 10 percent from 2003-2008. Similarly, area planted expanded annually at the rate of 2 percent. The number of bearing hills grew by an average of 7 percent. In 2008, banana production was 8,688 thousand mt which was 16 percent higher than the 7,484 thousand mt in 2007 (Figure 1). Area harvested and number of bearing hills increased in SOCCSKSARGEN, Davao Region, Northern Mindanao and MIMAROPA. Bigger fruits and bunches due to sufficient water were noted in Zamboanga Peninsula, Central Visayas and ARMM.

Figure 1. Banana: Volume of production, area planted and number of bearing hills, Philippines, 2003-2008



The major producing regions of Davao Region, SOCCSKSARGEN, and Northern Mindanao had a combined share of 72 percent to national production in 2008 (Figure 2). This surpassed their contribution of 67 percent in 2007 due to increases in area planted and number of bearing hills in Northern Mindanao. This region retained its second position after Davao Region as top banana producer. Banana production in Northern Mindanao shot up to 1,631 thousand mt in 2008 which was 75 percent above its 2007 level of 933 thousand mt (Table 3.1).





Banana, Cavendish. This variety comprised about half of the country's total banana production. From 2003 to 2008, production of cavendish variety grew by an average annual rate of 18 percent. This could be explained by the 10 percent expansion in area planted and the 17 percent increase in bearing hills. In 2008, production of cavendish variety was estimated at 4,329 thousand mt which was 30 percent higher from the 3,323 thousand mt in 2007(Table 3.1.1).

Davao Region remained as the largest producer of cavendish variety with an estimated production of 2,746 thousand mt or 63 percent to the national total cavendish variety output in 2008. Also, the region had the largest area planted to Cavendish variety at 45,655 hectares.

Northern Mindanao, the second top producer, posted the highest growth of 161 percent from 413 thousand mt in 2007 to 1,077 thousand mt in 2008. The growth was attributed to the additional number of bearing hills in commercial farms and expansion in area planted. The region had an estimated area planted of 15,545 hectares.

Banana, Lacatan. Production grew at an annual rate of 6 percent during the 2003-2008 period. Area planted and bearing hills also increased annually by 1 percent and 5 percent, respectively. During the same period, lacatan production in SOCCSKSARGEN, the top producer, posted an annual growth rate of 12 percent. The area planted to lacatan variety in Davao Region recorded an average growth of 7 percent from 2007 to 2008 (Table 3.1.2).

Lacatan variety represented 10 percent of the country's total banana production in 2008. SOCCSKSARGEN sustained its position as the top lacatan producer and shared 26 percent to total lacatan production in 2008.

Banana, Saba. For the period 2003-2008, production grew at an annual rate of 5 percent; area planted about half percent and bearing hills by 2 percent. In 2008, production was 2,527 thousand mt which was 6 percent above the 2007 volume. This represented 29 percent of the total banana production. Area planted to saba variety was 183,139 hectares, less than 1 percent higher than the area in 2007. Davao Region remained as the top producer with 22 percent share to national total saba variety production. SOCCSKSARGEN, Northern Mindanao and Cagayan Valley, the other major saba variety producers, had a combined share of 33 percent to the total saba variety production in 2008 (Table 3.1.3).

Table 3.1 BANANA: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**5,368,977**	**5,631,250**	**6,298,225**	**6,794,564**	**7,484,073**	**8,687,624**
CAR	22,353	23,620	23,899	25,054	26,786	26,700
Ilocos Region	33,162	35,214	37,370	41,950	46,393	46,114
Cagayan Valley	231,486	211,358	269,242	350,997	386,928	378,201
Central Luzon	44,194	45,032	46,411	50,821	51,634	54,796
CALABARZON	144,145	141,732	138,854	105,520	101,682	105,366
MIMAROPA	169,418	167,479	203,676	185,542	188,588	196,096
Bicol Region	74,480	69,161	68,235	63,772	55,459	67,599
Western Visayas	254,143	265,101	286,637	315,970	331,646	328,171
Central Visayas	167,709	164,915	146,100	163,291	157,153	169,643
Eastern Visayas	233,629	230,989	234,768	229,948	246,144	269,133
Zamboanga Peninsula	168,019	178,885	242,490	237,693	247,271	253,667
Northern Mindanao	515,502	571,626	590,026	662,189	933,114	1,631,304
Davao Region	2,149,556	2,308,773	2,673,618	2,945,845	3,180,331	3,569,079
SOCCSKSARGEN	582,088	631,697	753,495	830,822	935,565	998,635
Caraga	202,711	205,039	208,432	213,155	222,703	219,636
ARMM	376,381	380,629	374,970	371,994	372,676	373,486
Area (Ha)						
PHILIPPINES	**408,000**	**414,510**	**417,755**	**428,804**	**436,762**	**438,593**
CAR	3,314	3,432	3,477	4,121	5,056	4,956
Ilocos Region	7,738	7,785	7,839	7,874	7,889	7,863
Cagayan Valley	23,813	23,438	23,371	23,325	23,736	23,576
Central Luzon	6,336	6,356	6,235	6,279	6,290	6,305
CALABARZON	36,439	36,456	34,044	30,375	28,577	28,621
MIMAROPA	28,214	28,084	29,387	26,311	26,562	26,753
Bicol Region	19,796	19,289	19,241	18,730	18,751	18,754
Western Visayas	34,663	34,711	34,689	34,735	34,759	34,221
Central Visayas	20,819	20,935	20,929	21,066	21,086	21,097
Eastern Visayas	28,941	29,047	30,353	30,399	30,424	30,649
Zamboanga Peninsula	20,126	20,289	20,013	19,618	19,568	19,620
Northern Mindanao	35,544	36,123	36,815	49,228	49,750	49,903
Davao Region	61,535	66,561	68,413	73,297	78,647	80,221
SOCCSKSARGEN	23,255	24,200	25,274	26,779	28,794	29,101
Caraga	27,035	26,774	26,666	25,793	25,961	25,967
ARMM	30,432	31,029	31,008	30,874	30,913	30,988
Yield Per Hectare (mt)						
PHILIPPINES	**13.16**	**13.59**	**15.08**	**15.85**	**17.14**	**19.81**
CAR	6.75	6.88	6.87	6.08	5.30	5.39
Ilocos Region	4.29	4.52	4.77	5.33	5.88	5.86
Cagayan Valley	9.72	9.02	11.52	15.05	16.30	16.04
Central Luzon	6.98	7.08	7.44	8.09	8.21	8.69
CALABARZON	3.96	3.89	4.08	3.47	3.56	3.68
MIMAROPA	6.00	5.96	6.93	7.05	7.10	7.33
Bicol Region	3.76	3.59	3.55	3.40	2.96	3.60
Western Visayas	7.33	7.64	8.26	9.10	9.54	9.59
Central Visayas	8.06	7.88	6.98	7.75	7.45	8.04
Eastern Visayas	8.07	7.95	7.73	7.56	8.09	8.78
Zamboanga Peninsula	8.35	8.82	12.12	12.12	12.64	12.93
Northern Mindanao	14.50	15.82	16.03	13.45	18.76	32.69
Davao Region	34.93	34.69	39.08	40.19	40.44	44.49
SOCCSKSARGEN	25.03	26.10	29.81	31.03	32.49	34.32
Caraga	7.50	7.66	7.82	8.26	8.58	8.46
ARMM	12.37	12.27	12.09	12.05	12.06	12.05

Table 3.1a BANANA: NUMBER OF BEARING HILLS, PLANTING DENSITY, AND YIELD PER BEARING HILLS, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
BEARING HILLS (no.)						
PHILIPPINES	**193,398,435**	**201,577,752**	**212,756,103**	**228,036,614**	**250,538,983**	**264,356,573**
CAR	1,364,553	1,384,328	1,398,395	1,454,056	1,463,370	1,550,240
Ilocos Region	3,032,185	3,057,045	3,052,103	3,087,073	3,159,592	3,130,777
Cagayan Valley	17,125,109	16,323,723	15,686,781	15,159,635	14,976,443	14,883,540
Central Luzon	1,880,508	1,819,864	1,702,719	2,028,648	2,048,360	2,079,009
CALABARZON	10,426,512	10,426,597	10,403,176	9,504,883	8,839,673	9,024,617
MIMAROPA	9,118,931	9,196,273	11,202,021	11,092,888	10,486,808	10,749,567
Bicol Region	6,426,926	6,221,284	6,026,749	5,971,061	5,885,969	5,888,186
Western Visayas	15,118,032	15,181,807	15,116,275	15,538,397	15,499,620	15,482,180
Central Visayas	7,944,612	8,317,081	8,133,702	8,377,449	8,404,982	8,599,420
Eastern Visayas	8,716,449	8,736,092	8,791,106	8,858,994	9,341,678	9,387,494
Zamboanga Peninsula	6,911,272	7,215,020	7,424,756	6,920,463	7,140,254	7,139,955
Northern Mindanao	17,363,225	18,265,841	18,210,902	23,092,352	35,338,613	40,579,501
Davao Region	52,991,431	60,449,851	66,510,059	73,582,348	81,235,881	87,299,033
SOCCSKSARGEN	12,445,421	14,046,097	17,926,292	22,139,542	25,602,717	27,429,511
Caraga	11,472,126	9,617,764	9,499,873	9,345,231	9,579,749	9,455,483
ARMM	11,061,143	11,319,085	11,671,194	11,883,594	11,535,274	11,678,060
PLANTING DENSITY (Bhills/ha)						
PHILIPPINES	**474**	**486**	**509**	**532**	**574**	**603**
CAR	412	403	402	353	289	313
Ilocos Region	392	393	389	392	401	398
Cagayan Valley	719	696	671	650	631	631
Central Luzon	297	286	273	323	326	330
CALABARZON	286	286	306	313	309	315
MIMAROPA	323	327	381	422	395	402
Bicol Region	325	323	313	319	314	314
Western Visayas	436	437	436	447	446	452
Central Visayas	382	397	389	398	399	408
Eastern Visayas	301	301	290	291	307	306
Zamboanga Peninsula	343	356	371	353	365	364
Northern Mindanao	488	506	495	469	710	813
Davao Region	861	908	972	1,004	1,033	1,088
SOCCSKSARGEN	535	580	709	827	889	943
Caraga	424	359	356	362	369	364
ARMM	363	365	376	385	373	377
YIELD PER BEARING HILLS (kg)						
PHILIPPINES	**27.76**	**27.94**	**29.60**	**29.80**	**29.87**	**32.86**
CAR	16.38	17.06	17.09	17.23	18.30	17.22
Ilocos Region	10.94	11.52	12.24	13.59	14.68	14.73
Cagayan Valley	13.52	12.95	17.16	23.15	25.84	25.41
Central Luzon	23.50	24.74	27.26	25.05	25.21	26.36
CALABARZON	13.82	13.59	13.35	11.10	11.50	11.68
MIMAROPA	18.58	18.21	18.18	16.73	17.98	18.24
Bicol Region	11.59	11.12	11.32	10.68	9.42	11.48
Western Visayas	16.81	17.46	18.96	20.33	21.40	21.20
Central Visayas	21.11	19.83	17.96	19.49	18.70	19.73
Eastern Visayas	26.80	26.44	26.71	25.96	26.35	28.67
Zamboanga Peninsula	24.31	24.79	32.66	34.35	34.63	35.53
Northern Mindanao	29.69	31.29	32.40	28.68	26.40	40.20
Davao Region	40.56	38.19	40.20	40.03	39.15	40.88
SOCCSKSARGEN	46.77	44.97	42.03	37.53	36.54	36.41
Caraga	17.67	21.32	21.94	22.81	23.25	23.23
ARMM	34.03	33.63	32.13	31.30	32.31	31.98

Table 3.1.1 BANANA CAVENDISH: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**1,902,223**	**2,127,619**	**2,490,271**	**2,810,985**	**3,323,072**	**4,328,989**
CAR	-	-	-	-	-	-
Ilocos Region	-	-	-	-	-	-
Cagayan Valley	-	-	-	-	-	-
Central Luzon	-	-	-	-	-	-
CALABARZON	-	-	-	-	-	-
MIMAROPA	-	-	-	-	-	-
Bicol Region	-	-	-	-	-	-
Western Visayas	1,604	1,563	1,514	1,583	1,591	1,568
Central Visayas	13	13	12	118	128	279
Eastern Visayas	-	-	-	-	-	55
Zamboanga Peninsula	144	163	237	200	194	197
Northern Mindanao	30,063	99,677	117,856	172,013	412,713	1,076,751
Davao Region	1,534,893	1,687,807	1,991,911	2,231,413	2,439,988	2,746,338
SOCCSKSARGEN	229,401	226,726	268,238	294,292	358,441	392,886
Caraga	11,504	11,928	12,180	12,786	13,768	14,527
ARMM	94,603	99,742	98,322	98,579	96,249	96,388
Area (Ha)						
PHILIPPINES	**46,142**	**50,059**	**51,568**	**67,803**	**74,013**	**75,151**
CAR	-	-	-	-	-	-
Ilocos Region	-	-	-	-	-	-
Cagayan Valley	-	-	-	-	5	5
Central Luzon	-	-	-	-	-	-
CALABARZON	-	-	2	2	2	-
MIMAROPA	-	-	-	-	-	-
Bicol Region	-	-	-	-	-	-
Western Visayas	152	147	143	139	142	145
Central Visayas	5	5	7	13	14	27
Eastern Visayas	-	-	-	-	-	15
Zamboanga Peninsula	30	44	31	31	31	30
Northern Mindanao	1,602	2,347	3,131	15,046	15,546	15,545
Davao Region	34,072	36,729	37,345	40,585	44,691	45,655
SOCCSKSARGEN	5,283	5,780	6,242	7,280	8,860	8,995
Caraga	491	500	534	544	557	569
ARMM	4,507	4,507	4,133	4,163	4,165	4,165
Yield Per Hectare (mt)						
PHILIPPINES	**41.23**	**42.50**	**48.29**	**41.46**	**44.90**	**57.60**
CAR						
Ilocos Region						
Cagayan Valley					-	-
Central Luzon						
CALABARZON			-	-	-	
MIMAROPA						
Bicol Region						
Western Visayas	10.55	10.63	10.57	11.37	11.20	10.81
Central Visayas	2.57	2.57	1.74	9.11	9.14	10.34
Eastern Visayas						3.69
Zamboanga Peninsula	4.77	3.70	7.66	6.46	6.27	6.57
Northern Mindanao	18.77	42.47	37.64	11.43	26.55	69.27
Davao Region	45.05	45.95	53.34	54.98	54.60	60.15
SOCCSKSARGEN	43.42	39.23	42.98	40.42	40.46	43.68
Caraga	23.43	23.86	22.81	23.50	24.72	25.53
ARMM	20.99	22.13	23.79	23.68	23.11	23.14

Table 3.1.1a BANANA CAVENDISH: NUMBER OF BEARING HILLS, PLANTING DENSITY, AND YIELD PER BEARING HILLS, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
BEARING HILLS (no.)						
PHILIPPINES	**47,359,055**	**54,391,988**	**60,966,917**	**73,914,227**	**92,933,070**	**105,089,123**
CAR	-	-	-	-	-	-
Ilocos Region	-	-	-	-	-	-
Cagayan Valley	-	-	-	-	-	-
Central Luzon	-	-	-	-	-	-
CALABARZON	-	-	800	300	300	-
MIMAROPA	-	-	-	-	-	-
Bicol Region	-	-	-	-	-	-
Western Visayas	67,092	64,901	62,744	63,472	63,830	63,780
Central Visayas	2,430	2,450	2,450	4,550	4,760	15,436
Eastern Visayas	-	-	-	-	-	3,296
Zamboanga Peninsula	7,835	7,800	8,400	7,539	7,559	7,609
Northern Mindanao	606,524	1,458,045	1,472,651	6,190,718	17,790,708	22,520,085
Davao Region	38,898,417	44,697,926	49,789,350	56,069,941	61,703,537	67,586,761
SOCCSKSARGEN	5,121,267	5,303,350	6,787,382	8,734,797	10,991,120	12,426,350
Caraga	437,535	430,623	440,056	440,060	441,356	441,056
ARMM	2,217,955	2,426,893	2,403,085	2,402,850	1,929,900	2,024,750
PLANTING DENSITY (Bhills/ha)						
PHILIPPINES	**1,026**	**1,087**	**1,182**	**1,090**	**1,256**	**1,398**
CAR						
Ilocos Region						
Cagayan Valley					-	-
Central Luzon						
CALABARZON			400	150	150	
MIMAROPA						
Bicol Region						
Western Visayas	441	442	438	456	450	440
Central Visayas	486	490	350	350	340	572
Eastern Visayas						220
Zamboanga Peninsula	260	177	271	243	244	254
Northern Mindanao	379	621	470	411	1,144	1,449
Davao Region	1,142	1,217	1,333	1,382	1,381	1,480
SOCCSKSARGEN	969	918	1,087	1,200	1,241	1,381
Caraga	891	861	824	809	792	775
ARMM	492	538	581	577	463	486
YIELD PER BEARING HILLS (kg)						
PHILIPPINES	**40.17**	**39.12**	**40.85**	**38.03**	**23.51**	**24.56**
CAR						
Ilocos Region						
Cagayan Valley						
Central Luzon						
CALABARZON			-	-	-	
MIMAROPA						
Bicol Region						
Western Visayas	23.90	24.08	24.13	24.94	24.92	24.59
Central Visayas	5.28	5.24	4.96	26.02	26.88	18.09
Eastern Visayas						16.81
Zamboanga Peninsula	18.35	20.86	28.26	26.55	25.71	25.91
Northern Mindanao	49.57	68.36	80.03	27.79	23.20	47.81
Davao Region	39.46	37.76	40.01	39.80	39.54	40.63
SOCCSKSARGEN	44.79	42.75	39.52	33.69	32.61	31.62
Caraga	26.29	27.70	27.68	29.06	31.19	32.94
ARMM	42.65	41.10	40.91	41.03	49.87	47.61

Table 3.1.2 BANANA LACATAN: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**674,918**	**714,483**	**774,050**	**836,016**	**875,271**	**890,702**
CAR	3,154	3,670	3,710	4,103	4,846	4,804
Ilocos Region	874	933	978	1,160	1,135	1,095
Cagayan Valley	28,535	27,498	33,063	40,151	42,805	41,798
Central Luzon	8,728	9,004	9,871	11,168	11,635	12,829
CALABARZON	12,909	12,723	12,268	8,728	8,072	8,237
MIMAROPA	29,713	30,926	37,820	34,150	35,021	36,396
Bicol Region	3,781	3,517	3,183	2,935	2,632	3,362
Western Visayas	16,261	17,290	16,459	19,270	19,675	19,024
Central Visayas	15,119	13,085	11,683	12,290	11,189	12,515
Eastern Visayas	11,569	11,675	12,031	12,763	14,385	15,495
Zamboanga Peninsula	32,116	35,051	43,385	45,239	48,514	49,890
Northern Mindanao	137,671	130,863	131,264	135,799	145,588	152,631
Davao Region	120,847	138,228	155,583	174,858	187,303	188,762
SOCCSKSARGEN	128,993	157,000	181,755	216,795	225,881	228,537
Caraga	29,354	29,474	28,630	28,096	29,041	27,823
ARMM	95,296	93,545	92,366	88,510	87,549	87,503
Area (Ha)						
PHILIPPINES	**51,002**	**51,761**	**52,315**	**52,377**	**53,155**	**53,591**
CAR	423	477	475	698	987	975
Ilocos Region	274	271	297	299	291	288
Cagayan Valley	3,213	3,184	3,187	3,192	3,207	3,207
Central Luzon	1,257	1,261	1,247	1,253	1,262	1,281
CALABARZON	3,908	3,902	3,252	2,670	2,423	2,438
MIMAROPA	4,866	4,869	4,884	4,878	4,912	4,945
Bicol Region	1,121	1,106	1,074	1,060	1,063	1,063
Western Visayas	1,496	1,518	1,742	1,744	1,752	1,730
Central Visayas	2,215	2,229	2,231	2,320	2,332	2,344
Eastern Visayas	1,171	1,182	1,446	1,453	1,459	1,468
Zamboanga Peninsula	3,151	3,223	3,306	3,326	3,339	3,357
Northern Mindanao	6,864	6,604	6,605	6,612	6,610	6,685
Davao Region	6,249	6,960	7,421	7,789	8,391	8,626
SOCCSKSARGEN	6,306	6,532	6,712	6,725	6,885	6,945
Caraga	3,710	3,683	3,675	3,665	3,681	3,674
ARMM	4,778	4,760	4,761	4,693	4,561	4,565
Yield Per Hectare (mt)						
PHILIPPINES	**13.23**	**13.80**	**14.80**	**15.96**	**16.47**	**16.62**
CAR	7.46	7.69	7.81	5.88	4.91	4.93
Ilocos Region	3.19	3.44	3.30	3.88	3.90	3.80
Cagayan Valley	8.88	8.64	10.37	12.58	13.35	13.03
Central Luzon	6.94	7.14	7.92	8.91	9.22	10.01
CALABARZON	3.30	3.26	3.77	3.27	3.33	3.38
MIMAROPA	6.11	6.35	7.74	7.00	7.13	7.36
Bicol Region	3.37	3.18	2.96	2.77	2.48	3.16
Western Visayas	10.87	11.39	9.45	11.05	11.23	11.00
Central Visayas	6.83	5.87	5.24	5.30	4.80	5.34
Eastern Visayas	9.88	9.88	8.32	8.79	9.86	10.55
Zamboanga Peninsula	10.19	10.88	13.12	13.60	14.53	14.86
Northern Mindanao	20.06	19.82	19.87	20.54	22.03	22.83
Davao Region	19.34	19.86	20.97	22.45	22.32	21.88
SOCCSKSARGEN	20.46	24.04	27.08	32.24	32.81	32.91
Caraga	7.91	8.00	7.79	7.67	7.89	7.57
ARMM	19.94	19.65	19.40	18.86	19.20	19.17

Table 3.1.2a BANANA LACATAN: NUMBER OF BEARING HILLS, PLANTING DENSITY, AND YIELD PER BEARING HILLS, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
BEARING HILLS (no.)						
PHILIPPINES	**23,430,846**	**24,231,558**	**25,367,241**	**27,094,065**	**29,245,115**	**29,843,193**
CAR	192,823	199,778	202,078	216,218	227,009	264,870
Ilocos Region	89,552	89,632	93,671	96,946	92,908	89,863
Cagayan Valley	2,771,238	2,301,159	2,184,724	2,199,553	2,183,031	2,169,435
Central Luzon	394,281	380,784	355,770	458,129	461,481	474,229
CALABARZON	1,060,227	1,060,053	1,056,203	957,027	870,720	872,280
MIMAROPA	1,490,887	1,501,610	1,777,937	1,773,878	1,931,884	2,037,726
Bicol Region	335,528	331,444	321,767	323,496	320,489	320,531
Western Visayas	769,164	773,381	788,144	902,891	903,214	900,413
Central Visayas	929,605	1,016,101	1,016,609	1,015,316	1,015,324	1,067,154
Eastern Visayas	479,442	481,105	497,021	487,312	508,796	513,076
Zamboanga Peninsula	1,012,207	1,077,930	1,164,786	1,197,058	1,238,584	1,242,450
Northern Mindanao	4,492,927	4,427,679	4,434,057	4,476,517	4,769,950	4,878,900
Davao Region	2,913,755	3,807,142	4,011,922	4,305,332	5,242,429	5,376,524
SOCCSKSARGEN	2,783,811	3,433,379	4,212,657	5,334,341	6,062,680	6,213,215
Caraga	1,846,082	1,513,397	1,414,530	1,412,550	1,481,750	1,482,900
ARMM	1,869,317	1,836,985	1,835,366	1,937,501	1,934,866	1,939,627
PLANTING DENSITY (Bhills/ha)						
PHILIPPINES	**459**	**468**	**485**	**517**	**550**	**557**
CAR	456	419	425	310	230	272
Ilocos Region	327	330	316	324	319	312
Cagayan Valley	863	723	686	689	681	676
Central Luzon	314	302	285	366	366	370
CALABARZON	271	272	325	358	359	358
MIMAROPA	306	308	364	364	393	412
Bicol Region	299	300	300	305	301	302
Western Visayas	514	509	452	518	516	520
Central Visayas	420	456	456	438	435	455
Eastern Visayas	409	407	344	335	349	349
Zamboanga Peninsula	321	334	352	360	371	370
Northern Mindanao	655	670	671	677	722	730
Davao Region	466	547	541	553	625	623
SOCCSKSARGEN	441	526	628	793	881	895
Caraga	498	411	385	385	403	404
ARMM	391	386	386	413	424	425
YIELD PER BEARING HILLS (kg)						
PHILIPPINES	**28.80**	**29.49**	**30.51**	**30.86**	**29.93**	**29.85**
CAR	16.36	18.37	18.36	18.98	21.35	18.14
Ilocos Region	9.75	10.41	10.44	11.96	12.22	12.19
Cagayan Valley	10.30	11.95	15.13	18.25	19.61	19.27
Central Luzon	22.14	23.65	27.75	24.38	25.21	27.05
CALABARZON	12.18	12.00	11.62	9.12	9.27	9.44
MIMAROPA	19.93	20.60	21.27	19.25	18.13	17.86
Bicol Region	11.27	10.61	9.89	9.07	8.21	10.49
Western Visayas	21.14	22.36	20.88	21.34	21.78	21.13
Central Visayas	16.26	12.88	11.49	12.10	11.02	11.73
Eastern Visayas	24.13	24.27	24.21	26.19	28.27	30.20
Zamboanga Peninsula	31.73	32.52	37.25	37.79	39.17	40.15
Northern Mindanao	30.64	29.56	29.60	30.34	30.52	31.28
Davao Region	41.47	36.31	38.78	40.61	35.73	35.11
SOCCSKSARGEN	46.34	45.73	43.14	40.64	37.26	36.78
Caraga	15.90	19.48	20.24	19.89	19.60	18.76
ARMM	50.98	50.92	50.33	45.68	45.25	45.11

Table 3.1.3 BANANA SABA: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**2,017,267**	**2,018,687**	**2,204,393**	**2,285,809**	**2,385,614**	**2,526,835**
CAR	6,675	7,290	7,680	8,068	8,715	8,989
Ilocos Region	17,421	18,566	19,701	21,908	23,448	23,118
Cagayan Valley	151,843	139,141	182,903	244,841	272,860	268,663
Central Luzon	21,206	21,870	22,148	23,882	23,861	25,566
CALABARZON	91,365	89,767	87,912	67,430	65,296	67,565
MIMAROPA	101,485	99,245	123,986	112,931	115,181	121,094
Bicol Region	38,265	35,197	34,852	32,549	29,045	35,443
Western Visayas	158,426	164,463	174,517	190,128	201,772	200,390
Central Visayas	117,440	113,195	100,000	110,675	107,156	116,207
Eastern Visayas	162,323	158,896	160,779	153,911	162,828	176,903
Zamboanga Peninsula	91,228	97,158	129,304	127,377	134,099	136,980
Northern Mindanao	225,498	219,916	220,385	226,990	238,694	253,216
Davao Region	435,918	424,775	462,471	470,975	480,171	548,341
SOCCSKSARGEN	178,125	203,833	251,261	263,295	285,560	307,192
Caraga	107,103	108,805	111,516	114,113	117,361	116,941
ARMM	112,946	116,571	114,980	116,737	119,566	120,228
Area (Ha)						
PHILIPPINES	**179,875**	**182,259**	**185,168**	**181,568**	**183,028**	**183,139**
CAR	806	861	898	1,040	1,338	1,336
Ilocos Region	3,247	3,261	3,269	3,269	3,275	3,270
Cagayan Valley	14,405	14,226	14,198	14,203	14,513	14,360
Central Luzon	2,478	2,481	2,427	2,444	2,445	2,444
CALABARZON	17,763	17,763	17,562	16,572	16,300	16,337
MIMAROPA	16,343	16,187	17,442	14,394	14,582	14,712
Bicol Region	9,836	9,693	9,699	9,509	9,510	9,512
Western Visayas	19,211	19,227	18,968	19,019	19,039	18,742
Central Visayas	12,567	12,582	12,582	12,567	12,567	12,567
Eastern Visayas	13,834	13,873	14,436	14,475	14,477	14,571
Zamboanga Peninsula	8,346	8,386	8,275	8,267	8,255	8,319
Northern Mindanao	12,164	12,190	12,143	12,557	12,623	12,694
Davao Region	17,873	19,276	19,985	20,607	21,032	21,084
SOCCSKSARGEN	8,249	8,583	9,066	9,111	9,259	9,314
Caraga	10,122	10,120	10,020	9,309	9,374	9,384
ARMM	12,631	13,550	14,199	14,225	14,439	14,492
Yield Per Hectare (mt)						
PHILIPPINES	**11.21**	**11.08**	**11.90**	**12.59**	**13.03**	**13.80**
CAR	8.28	8.47	8.55	7.76	6.51	6.73
Ilocos Region	5.37	5.69	6.03	6.70	7.16	7.07
Cagayan Valley	10.54	9.78	12.88	17.24	18.80	18.71
Central Luzon	8.56	8.81	9.13	9.77	9.76	10.46
CALABARZON	5.14	5.05	5.01	4.07	4.01	4.14
MIMAROPA	6.21	6.13	7.11	7.85	7.90	8.23
Bicol Region	3.89	3.63	3.59	3.42	3.05	3.73
Western Visayas	8.25	8.55	9.20	10.00	10.60	10.69
Central Visayas	9.35	9.00	7.95	8.81	8.53	9.25
Eastern Visayas	11.73	11.45	11.14	10.63	11.25	12.14
Zamboanga Peninsula	10.93	11.59	15.63	15.41	16.24	16.47
Northern Mindanao	18.54	18.04	18.15	18.08	18.91	19.95
Davao Region	24.39	22.04	23.14	22.86	22.83	111.55
SOCCSKSARGEN	21.59	23.75	27.71	28.90	30.84	32.98
Caraga	10.58	10.75	11.13	12.26	12.52	12.46
ARMM	8.94	8.60	8.10	8.21	8.28	8.30

Table 3.1.3a BANANA SABA: NUMBER OF BEARING HILLS, PLANTING DENSITY, AND YIELD PER BEARING HILLS, BY REGION, PHILIPPINES, 2003-2008

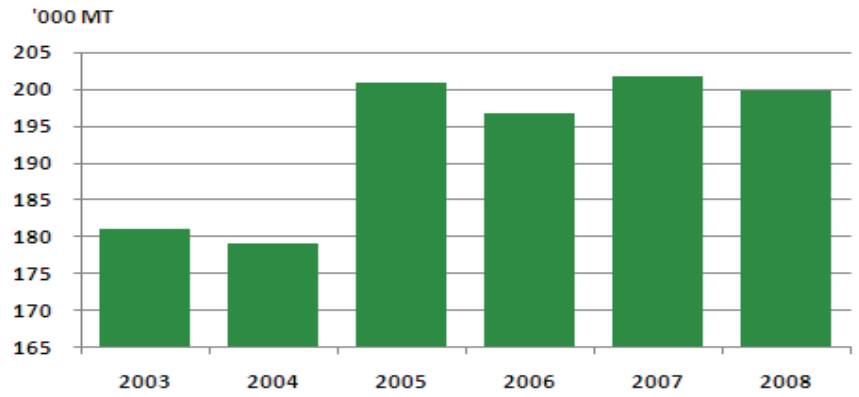
Region	2003	2004	2005	2006	2007	2008
BEARING HILLS (no.)						
PHILIPPINES	**71,551,340**	**73,194,284**	**76,300,864**	**76,714,879**	**76,843,550**	**77,109,265**
CAR	382,192	383,055	401,632	419,777	429,870	467,782
Ilocos Region	1,249,542	1,263,359	1,255,192	1,271,286	1,283,451	1,266,925
Cagayan Valley	9,988,184	9,864,519	9,550,171	9,154,073	9,032,236	8,885,646
Central Luzon	749,720	705,910	650,540	690,559	692,261	733,476
CALABARZON	5,388,094	5,390,347	5,379,305	4,885,765	4,885,960	4,844,360
MIMAROPA	5,135,394	5,198,348	6,743,205	6,672,291	5,718,927	5,846,345
Bicol Region	2,895,154	2,811,458	2,751,478	2,749,265	2,744,927	2,745,687
Western Visayas	7,764,924	7,812,769	7,720,432	7,969,909	7,994,964	7,979,066
Central Visayas	4,517,663	4,633,245	4,459,710	4,470,311	4,463,662	4,469,849
Eastern Visayas	3,915,612	3,924,539	3,929,500	3,971,435	4,195,291	4,206,634
Zamboanga Peninsula	3,241,940	3,352,245	3,350,212	3,195,908	3,339,460	3,341,480
Northern Mindanao	6,213,129	6,258,131	6,257,810	6,353,834	6,477,100	6,602,190
Davao Region	9,298,684	9,898,421	10,533,512	10,850,302	11,311,784	11,294,122
SOCCSKSARGEN	3,266,956	4,021,534	5,166,028	5,818,795	6,002,340	6,130,981
Caraga	3,262,918	3,255,950	3,341,277	3,204,877	3,218,502	3,213,952
ARMM	4,281,234	4,420,454	4,810,859	5,036,492	5,052,815	5,080,770
PLANTING DENSITY (Bhills/ha)						
PHILIPPINES	**398**	**402**	**412**	**423**	**420**	**421**
CAR	474	445	447	404	321	350
Ilocos Region	385	387	384	389	392	387
Cagayan Valley	693	693	673	645	622	619
Central Luzon	303	285	268	283	283	300
CALABARZON	303	303	306	295	300	297
MIMAROPA	314	321	387	464	392	397
Bicol Region	294	290	284	289	289	289
Western Visayas	404	406	407	419	420	426
Central Visayas	359	368	354	356	355	356
Eastern Visayas	283	283	272	274	290	289
Zamboanga Peninsula	388	400	405	387	405	402
Northern Mindanao	511	513	515	506	513	520
Davao Region	520	514	527	527	538	536
SOCCSKSARGEN	396	469	570	639	648	658
Caraga	322	322	333	344	343	342
ARMM	339	326	339	354	350	351
YIELD PER BEARING HILLS (kg)						
PHILIPPINES	**28.19**	**27.58**	**28.89**	**29.80**	**31.05**	**32.77**
CAR	17.46	19.03	19.12	19.22	20.27	19.22
Ilocos Region	13.94	14.70	15.70	17.23	18.27	18.25
Cagayan Valley	15.20	14.11	19.15	26.75	30.21	30.24
Central Luzon	28.29	30.98	34.05	34.58	34.47	34.86
CALABARZON	16.96	16.65	16.34	13.80	13.36	13.95
MIMAROPA	19.76	19.09	18.39	16.93	20.14	20.71
Bicol Region	13.22	12.52	12.67	11.84	10.58	12.91
Western Visayas	20.40	21.05	22.60	23.86	25.24	25.11
Central Visayas	26.00	24.43	22.42	24.76	24.01	26.00
Eastern Visayas	41.46	40.49	40.92	38.75	38.81	42.05
Zamboanga Peninsula	28.14	28.98	38.60	39.86	40.16	40.99
Northern Mindanao	36.29	35.14	35.22	35.72	36.85	38.35
Davao Region	46.88	42.91	43.90	43.41	42.45	48.55
SOCCSKSARGEN	54.52	50.69	48.64	45.25	47.57	50.10
Caraga	32.82	33.42	33.38	35.61	36.46	36.39
ARMM	26.38	26.37	23.90	23.18	23.66	23.66

HIGHLIGHTS

CALAMANSI

In 2003-2008 production showed an average yearly increase of 2 percent; area planted increased by about 1 percent; and number of bearing trees by 2 percent. In 2008, production reached 199.68 thousand mt which was about 1 percent lower than its 2007 level of 202 thousand mt (Figure 1). Excessive rains in MIMAROPA, Cagayan Valley and SOCCSKSARGEN, low fertilizer usage and shifting to durian in Davao Region contributed to lower output. From 2007 to 2008, area planted and number of bearing trees grew by 2 and about 2 percent, respectively.

Figure 1. Calamansi: Volume of Production in Metric Tons, Philippines, 2003-2008



About 59 percent of the country's total calamansi output was produced in MIMAROPA which remained the country's top calamansi producing region (Figure 2), despite the decrease in the region's production in 2008 when output at 118.24 thousand mt was 2 percent lower than in 2007 (Table 3.2).

Figure 2. Calamansi: Top producing regions, Philippines, 2008

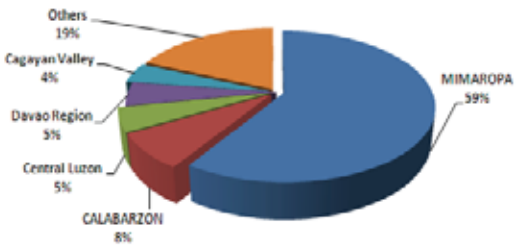


Table 3.2 CALAMANSI: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**180,923**	**179,020**	**200,808**	**196,595**	**201,619**	**199,675**
CAR	479	476	466	451	450	438
Ilocos Region	2,290	2,407	2,661	3,163	3,399	3,431
Cagayan Valley	5,401	4,649	5,096	6,104	8,529	8,481
Central Luzon	8,314	8,580	9,116	9,444	10,069	10,243
CALABARZON	17,504	13,909	14,276	13,884	14,961	15,337
MIMAROPA	108,184	109,183	126,331	120,709	121,047	118,245
Bicol Region	2,286	2,326	2,313	2,295	2,249	2,513
Western Visayas	7,183	7,391	7,498	7,489	7,281	6,944
Central Visayas	1,899	2,073	2,062	1,360	1,210	1,227
Eastern Visayas	2,398	2,387	2,382	2,401	2,432	2,454
Zamboanga Peninsula	2,915	2,915	5,206	5,549	5,384	5,907
Northern Mindanao	1,157	1,240	1,132	1,159	1,290	1,265
Davao Region	9,582	9,748	10,050	10,124	10,327	10,193
SOCCSKSARGEN	5,704	6,024	6,271	6,536	6,935	6,646
Caraga	4,485	4,583	4,800	4,787	4,896	5,203
ARMM	1,141	1,130	1,149	1,141	1,159	1,149
Area (Ha)						
PHILIPPINES	**19,947**	**20,013**	**20,209**	**20,253**	**20,545**	**20,956**
CAR	71	70	69	70	68	68
Ilocos Region	974	982	992	1,006	1,013	1,018
Cagayan Valley	981	980	982	1,032	1,109	1,180
Central Luzon	1,155	1,175	1,182	1,195	1,225	1,223
CALABARZON	1,598	1,606	1,510	1,450	1,423	1,478
MIMAROPA	7,916	7,919	7,936	7,938	7,949	7,962
Bicol Region	1,149	1,135	1,091	1,071	1,077	1,077
Western Visayas	957	960	972	975	971	962
Central Visayas	249	254	254	249	249	252
Eastern Visayas	166	175	184	184	187	192
Zamboanga Peninsula	424	431	675	690	725	979
Northern Mindanao	407	405	415	425	425	425
Davao Region	1,907	1,931	1,950	1,952	1,963	1,995
SOCCSKSARGEN	758	757	765	779	924	924
Caraga	1,083	1,083	1,083	1,089	1,089	1,072
ARMM	152	150	150	148	148	149
Yield Per Hectare (mt)						
PHILIPPINES	**9.07**	**8.95**	**9.94**	**9.71**	**9.81**	**9.53**
CAR	6.75	6.80	6.75	6.44	6.62	6.44
Ilocos Region	2.35	2.45	2.68	3.14	3.36	3.37
Cagayan Valley	5.51	4.74	5.19	5.92	7.69	7.19
Central Luzon	7.20	7.30	7.71	7.90	8.22	8.38
CALABARZON	10.95	8.66	9.45	9.58	10.51	10.38
MIMAROPA	13.67	13.79	15.92	15.21	15.23	14.85
Bicol Region	1.99	2.05	2.12	2.14	2.09	2.33
Western Visayas	7.51	7.70	7.71	7.68	7.50	7.22
Central Visayas	7.63	8.16	8.12	5.46	4.86	4.87
Eastern Visayas	14.45	13.64	12.98	13.07	13.04	12.82
Zamboanga Peninsula	6.88	6.76	7.71	8.04	7.43	6.03
Northern Mindanao	2.84	3.06	2.73	2.73	3.03	2.98
Davao Region	5.02	5.05	5.15	5.19	5.26	5.11
SOCCSKSARGEN	7.53	7.96	8.20	8.39	7.51	7.19
Caraga	4.14	4.23	4.43	4.40	4.50	4.85
ARMM	7.50	7.54	7.66	7.71	7.83	7.71

Table 3.2a CALAMANSI: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
BEARING TREES (no.)						
PHILIPPINES	**8,273,114**	**8,304,134**	**8,881,381**	**8,882,304**	**9,056,933**	**9,216,422**
CAR	33,265	33,642	34,998	34,603	33,911	33,814
Ilocos Region	338,314	350,977	368,122	377,835	378,951	379,050
Cagayan Valley	574,728	574,845	574,770	598,605	656,035	673,145
Central Luzon	372,530	380,870	445,699	462,358	503,690	510,930
CALABARZON	789,045	745,826	779,161	735,695	731,948	740,558
MIMAROPA	3,069,585	3,053,016	3,370,395	3,369,816	3,398,380	3,407,937
Bicol Region	309,113	304,250	276,874	261,657	262,412	266,265
Western Visayas	693,362	692,429	690,805	695,124	699,850	675,673
Central Visayas	111,974	112,627	112,622	108,995	114,595	115,040
Eastern Visayas	54,478	54,905	55,296	55,841	59,799	60,626
Zamboanga Peninsula	115,679	122,305	249,645	250,227	251,289	360,740
Northern Mindanao	121,799	122,273	122,858	122,858	133,070	133,285
Davao Region	961,672	970,942	993,635	994,447	994,975	996,700
SOCCSKSARGEN	329,034	381,013	395,233	405,377	415,312	434,904
Caraga	364,035	370,055	373,465	371,565	383,135	385,535
ARMM	34,501	34,159	37,803	37,300	39,580	42,220
PLANTING DENSITY (Btrees/ha)						
PHILIPPINES	**415**	**415**	**439**	**439**	**441**	**440**
CAR	469	481	507	494	499	497
Ilocos Region	347	357	371	376	374	372
Cagayan Valley	586	587	585	580	592	570
Central Luzon	323	324	377	387	411	418
CALABARZON	494	464	516	507	514	501
MIMAROPA	388	386	425	425	428	428
Bicol Region	269	268	254	244	244	247
Western Visayas	725	721	711	713	721	702
Central Visayas	450	443	443	438	460	457
Eastern Visayas	328	314	301	304	321	317
Zamboanga Peninsula	273	284	370	363	347	368
Northern Mindanao	299	302	296	289	313	314
Davao Region	504	503	510	509	507	500
SOCCSKSARGEN	434	503	517	520	449	471
Caraga	336	342	345	341	352	360
ARMM	227	228	252	252	267	283
YIELD PER BEARING TREE (kg)						
PHILIPPINES	**21.87**	**21.56**	**22.61**	**22.13**	**22.26**	**21.67**
CAR	14.41	14.14	13.32	13.02	13.28	12.96
Ilocos Region	6.77	6.86	7.23	8.37	8.97	9.05
Cagayan Valley	9.40	8.09	8.87	10.20	13.00	12.60
Central Luzon	22.32	22.53	20.45	20.43	19.99	20.05
CALABARZON	22.18	18.65	18.32	18.87	20.44	20.71
MIMAROPA	35.24	35.76	37.48	35.82	35.62	34.70
Bicol Region	7.40	7.64	8.35	8.77	8.57	9.44
Western Visayas	10.36	10.67	10.85	10.77	10.40	10.28
Central Visayas	16.96	18.40	18.31	12.48	10.56	10.67
Eastern Visayas	44.02	43.48	43.07	42.99	40.67	40.48
Zamboanga Peninsula	25.20	23.84	20.86	22.18	21.43	16.38
Northern Mindanao	9.50	10.15	9.21	9.44	9.69	9.49
Davao Region	9.96	10.04	10.11	10.18	10.38	10.23
SOCCSKSARGEN	17.34	15.81	15.87	16.12	16.70	15.28
Caraga	12.32	12.38	12.85	12.88	12.78	13.50
ARMM	33.06	33.09	30.39	30.59	29.29	27.21

Table 3.3 DURIAN: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**39,817**	**40,907**	**47,296**	**48,465**	**73,250**	**51,399**
CAR						
Ilocos Region						
Cagayan Valley						
Central Luzon						
CALABARZON	5	6	71	76	75	73
MIMAROPA	9	10	11	10	11	13
Bicol Region						
Western Visayas	293	252	267	251	256	299
Central Visayas				4	2	6
Eastern Visayas		5	6	6	7	7
Zamboanga Peninsula	254	285	394	403	515	348
Northern Mindanao	1,158	1,203	1,289	1,331	1,511	1,438
Davao Region	19,813	20,515	26,640	28,293	51,222	36,787
SOCCSKSARGEN	1,387	2,013	2,482	2,155	2,896	2,230
Caraga	1,121	1,153	643	890	1,042	1,105
ARMM	15,776	15,465	15,493	15,045	15,714	9,092
Area (Ha)						
PHILIPPINES	**11,524**	**12,996**	**13,769**	**15,673**	**17,167**	**18,371**
CAR						
Ilocos Region						
Cagayan Valley					3	3
Central Luzon						
CALABARZON	30	31	32	33	33	34
MIMAROPA	17	17	19	19	21	24
Bicol Region						
Western Visayas	58	89	111	111	111	181
Central Visayas				3	3	8
Eastern Visayas		9	9	24	24	32
Zamboanga Peninsula	185	219	516	858	874	908
Northern Mindanao	643	813	890	1,154	1,155	1,359
Davao Region	6,368	7,600	7,872	9,168	10,363	11,194
SOCCSKSARGEN	1,440	1,425	1,526	1,546	1,771	1,812
Caraga	1,652	1,655	1,655	1,656	1,688	1,685
ARMM	1,131	1,139	1,139	1,101	1,121	1,131
Yield Per Hectare (mt)						
PHILIPPINES	**3.46**	**3.15**	**3.43**	**3.09**	**4.27**	**2.80**
CAR						
Ilocos Region						
Cagayan Valley						
Central Luzon						
CALABARZON	0.18	0.19	2.23	2.30	2.27	2.16
MIMAROPA	0.55	0.58	0.60	0.54	0.50	0.54
Bicol Region						
Western Visayas	5.06	2.83	2.40	2.26	2.31	1.65
Central Visayas				1.33	0.60	0.79
Eastern Visayas		0.58	0.66	0.26	0.28	0.23
Zamboanga Peninsula	1.38	1.30	0.76	0.47	0.59	0.38
Northern Mindanao	1.80	1.48	1.45	1.15	1.31	1.06
Davao Region	3.11	2.70	3.38	3.09	4.94	3.29
SOCCSKSARGEN	0.96	1.41	1.63	1.39	1.64	1.23
Caraga	0.68	0.70	0.39	0.54	0.62	0.66
ARMM	13.95	13.58	13.60	13.66	14.02	8.04

Table 3.3a DURIAN: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
BEARING TREES (no.)						
PHILIPPINES	**489,945**	**542,689**	**583,668**	**609,814**	**649,947**	**638,854**
CAR	-	-	-	-	-	-
Ilocos Region	-	-	-	-	-	-
Cagayan Valley	-	-	-	-	-	-
Central Luzon	-	-	-	-	-	-
CALABARZON	483	498	2,000	2,000	1,800	1,800
MIMAROPA	803	864	900	900	985	1,121
Bicol Region	-	-	-	-	-	-
Western Visayas	4,666	4,702	4,712	4,742	4,772	4,802
Central Visayas	-	-	-	178	178	618
Eastern Visayas	-	171	171	175	175	216
Zamboanga Peninsula	8,565	10,629	13,774	14,674	16,054	16,075
Northern Mindanao	28,824	42,709	43,225	44,875	46,840	56,173
Davao Region	316,737	339,502	368,707	382,427	403,108	380,439
SOCCSKSARGEN	39,585	52,960	59,310	61,948	72,980	74,260
Caraga	31,190	31,760	31,775	36,975	41,785	41,840
ARMM	59,092	58,894	59,094	60,920	61,270	61,510
PLANTING DENSITY (Btrees/ha)						
PHILIPPINES	**43**	**42**	**42**	**39**	**38**	**35**
CAR						
Ilocos Region						
Cagayan Valley					-	-
Central Luzon						
CALABARZON	16	16	63	61	55	53
MIMAROPA	47	51	47	47	47	48
Bicol Region						
Western Visayas	80	53	42	43	43	27
Central Visayas				59	59	77
Eastern Visayas		19	19	7	7	7
Zamboanga Peninsula	46	49	27	17	18	18
Northern Mindanao	45	53	49	39	41	41
Davao Region	50	45	47	42	39	34
SOCCSKSARGEN	27	37	39	40	41	41
Caraga	19	19	19	22	25	25
ARMM	52	52	52	55	55	54
YIELD PER BEARING TREE (kg)						
PHILIPPINES	**81.27**	**75.38**	**81.03**	**79.48**	**112.70**	**80.46**
CAR						
Ilocos Region						
Cagayan Valley						
Central Luzon						
CALABARZON	10.87	11.75	35.68	37.91	41.64	40.80
MIMAROPA	11.71	11.48	12.62	11.48	10.75	11.24
Bicol Region						
Western Visayas	62.90	53.62	56.63	52.97	53.63	62.27
Central Visayas				22.47	10.11	10.19
Eastern Visayas		30.41	34.56	35.89	38.86	34.35
Zamboanga Peninsula	29.71	26.80	28.64	27.49	32.09	21.63
Northern Mindanao	40.16	28.17	29.82	29.66	32.25	25.59
Davao Region	62.55	60.43	72.25	73.98	127.07	96.70
SOCCSKSARGEN	35.05	38.02	41.85	34.79	39.68	30.04
Caraga	35.93	36.31	20.23	24.06	24.93	26.42
ARMM	266.97	262.59	262.17	246.96	256.48	147.81

Table 3.4 LANZONES: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**51,790**	**50,172**	**59,769**	**50,012**	**58,258**	**7,407**
CAR	9	11	12	13	16	17
Ilocos Region	a/	a/	1	1	1	1
Cagayan Valley	95	90	100	115	119	106
Central Luzon	11	13	20	20	22	14
CALABARZON	3,663	3,306	6,919	4,248	4,301	1,282
MIMAROPA	191	198	209	172	174	155
Bicol Region	14	13	14	8	8	9
Western Visayas	526	431	567	544	611	503
Central Visayas	192	130	207	80	112	40
Eastern Visayas	741	726	757	735	733	727
Zamboanga Peninsula	966	1,062	2,178	800	2,796	109
Northern Mindanao	1,523	1,229	2,718	1,948	3,627	1,236
Davao Region	2,101	2,158	5,483	2,345	6,078	2,502
SOCCSKSARGEN	1,008	1,075	1,271	543	1,244	252
Caraga	847	917	342	335	75	111
ARMM	39,903	38,812	38,971	38,105	38,341	344
Area (Ha)						
PHILIPPINES	**17,032**	**17,276**	**18,266**	**19,668**	**20,015**	**20,331**
CAR	4	15	15	25	25	25
Ilocos Region	3	3	3	4	5	8
Cagayan Valley	23	23	21	20	27	27
Central Luzon	6	6	6	6	7	7
CALABARZON	4,337	4,337	4,337	4,334	4,319	4,319
MIMAROPA	307	303	309	309	322	323
Bicol Region	37	39	35	35	34	34
Western Visayas	347	368	371	371	372	511
Central Visayas	73	83	84	84	84	90
Eastern Visayas	134	139	143	167	173	186
Zamboanga Peninsula	483	509	1,181	1,711	1,785	1,804
Northern Mindanao	2,193	2,275	2,418	3,278	3,288	3,319
Davao Region	2,007	2,018	2,041	2,060	2,108	2,112
SOCCSKSARGEN	905	978	1,110	1,108	1,310	1,310
Caraga	829	831	831	829	829	829
ARMM	5,344	5,349	5,361	5,327	5,327	5,427
Yield Per Hectare (mt)						
PHILIPPINES	**3.04**	**2.90**	**3.27**	**2.54**	**2.91**	**0.36**
CAR	2.25	0.70	0.77	0.51	0.65	0.70
Ilocos Region			0.17	0.17	0.17	0.11
Cagayan Valley	4.11	3.92	4.77	5.76	4.42	3.92
Central Luzon	1.89	2.14	3.35	3.33	3.19	2.05
CALABARZON	0.84	0.76	1.60	0.98	1.00	0.30
MIMAROPA	0.62	0.65	0.68	0.56	0.54	0.48
Bicol Region	0.38	0.33	0.40	0.23	0.24	0.26
Western Visayas	1.52	1.17	1.53	1.47	1.64	0.98
Central Visayas	2.63	1.57	2.47	0.96	1.33	0.45
Eastern Visayas	5.53	5.22	5.29	4.40	4.24	3.91
Zamboanga Peninsula	2.00	2.09	1.84	0.47	1.57	0.06
Northern Mindanao	0.69	0.54	1.12	0.59	1.10	0.37
Davao Region	1.05	1.07	2.69	1.14	2.88	1.18
SOCCSKSARGEN	1.11	1.10	1.14	0.49	0.95	0.19
Caraga	1.02	1.10	0.41	0.40	0.09	0.13
ARMM	7.47	7.26	7.27	7.15	7.20	0.06

a/ - less than one metric ton.

Table 3.4a LANZONES: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
BEARING TREES (no.)						
PHILIPPINES	**1,891,840**	**1,904,109**	**1,981,691**	**1,999,588**	**1,964,576**	**2,012,620**
CAR	318	1,505	1,755	1,825	1,830	1,830
Ilocos Region	56	66	97	123	141	149
Cagayan Valley	2,838	2,838	3,170	2,790	2,790	2,790
Central Luzon	1,570	1,560	1,582	1,612	2,012	2,012
CALABARZON	428,970	428,878	481,409	480,631	439,251	470,001
MIMAROPA	8,597	8,405	9,949	10,011	10,988	10,732
Bicol Region	6,236	6,246	5,247	5,247	4,311	4,311
Western Visayas	40,627	40,627	40,781	41,215	41,305	41,331
Central Visayas	15,050	15,050	15,904	15,904	15,984	17,660
Eastern Visayas	11,623	11,626	11,811	12,267	12,504	12,914
Zamboanga Peninsula	57,557	57,609	60,745	74,039	76,750	80,793
Northern Mindanao	268,247	268,431	272,091	272,115	272,628	279,875
Davao Region	286,784	289,816	293,324	294,393	296,451	299,572
SOCCSKSARGEN	47,684	55,619	68,054	72,884	73,201	74,695
Caraga	22,582	23,052	23,052	23,052	22,700	22,125
ARMM	693,101	692,781	692,720	691,480	691,730	691,830
PLANTING DENSITY (Btrees/ha)						
PHILIPPINES	**111**	**110**	**108**	**102**	**98**	**99**
CAR	80	100	117	73	73	73
Ilocos Region	19	22	31	31	31	19
Cagayan Valley	123	123	151	140	103	103
Central Luzon	262	260	264	269	287	287
CALABARZON	99	99	111	111	102	109
MIMAROPA	28	28	32	32	34	33
Bicol Region	169	160	150	150	127	127
Western Visayas	117	110	110	111	111	81
Central Visayas	206	181	189	189	190	196
Eastern Visayas	87	84	83	73	72	69
Zamboanga Peninsula	119	113	51	43	43	45
Northern Mindanao	122	118	113	83	83	84
Davao Region	143	144	144	143	141	142
SOCCSKSARGEN	53	57	61	66	56	57
Caraga	27	28	28	28	27	27
ARMM	130	130	129	130	130	127
YIELD PER BEARING TREE (kg)						
PHILIPPINES	**27.38**	**26.35**	**30.16**	**25.01**	**29.65**	**3.68**
CAR	28.30	6.98	6.58	6.93	8.91	9.50
Ilocos Region			5.56	5.41	5.41	5.82
Cagayan Valley	33.30	31.75	31.62	41.27	42.76	37.97
Central Luzon	7.22	8.23	12.71	12.38	11.09	7.13
CALABARZON	8.54	7.71	14.37	8.84	9.79	2.73
MIMAROPA	22.23	23.53	21.04	17.21	15.82	14.49
Bicol Region	2.24	2.07	2.66	1.51	1.92	2.04
Western Visayas	12.95	10.62	13.89	13.21	14.80	12.16
Central Visayas	12.75	8.66	13.03	5.05	7.00	2.28
Eastern Visayas	63.74	62.42	64.09	59.92	58.60	56.27
Zamboanga Peninsula	16.78	18.44	35.85	10.81	36.42	1.34
Northern Mindanao	5.68	4.58	9.99	7.16	13.30	4.42
Davao Region	7.33	7.45	18.69	7.96	20.50	8.35
SOCCSKSARGEN	21.13	19.33	18.67	7.45	16.99	3.37
Caraga	37.51	39.76	14.86	14.54	3.31	5.00
ARMM	57.57	56.02	56.26	55.11	55.43	0.50

Table 3.5 MANDARIN: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**20,266**	**19,898**	**20,360**	**24,880**	**25,281**	**22,743**
CAR	876	873	885	869	889	885
Ilocos Region	10	11	11	11	11	11
Cagayan Valley	3,422	2,881	3,164	10,344	10,733	9,821
Central Luzon	1,091	1,288	1,605	1,231	1,282	1,294
CALABARZON	7,188	7,144	7,003	5,008	5,291	5,022
MIMAROPA	402	405	457	418	418	411
Bicol Region	935	822	723	687	754	790
Western Visayas	65	69	70	69	69	63
Central Visayas	160	148	168	78	172	126
Eastern Visayas	19	19	21	28	29	30
Zamboanga Peninsula	7	7	11	3	5	3
Northern Mindanao	107	100	114	133	138	146
Davao Region	4,003	4,052	4,078	4,015	3,520	2,310
SOCCSKSARGEN	71	71	67	62	62	62
Caraga	6	8	35	45	50	51
ARMM	1,903	2,000	1,948 R/	1,878	1,858 R/	1,716
Area (Ha)						
PHILIPPINES	**9,102**	**8,917**	**8,858**	**9,646**	**9,621**	**9,583**
CAR	119	124	127	155	182	178
Ilocos Region	16	21	21	21	21	21
Cagayan Valley	630	630	630	1,482	1,454	1,479
Central Luzon	509	509	489	484	484	408
CALABARZON	2,240	2,230	2,221	2,141	2,125	2,150
MIMAROPA	694	695	696	696	697	699
Bicol Region	1,942	1,763	1,762	1,756	1,758	1,753
Western Visayas	43	43	43	42	42	50
Central Visayas	40	40	40	46	46	46
Eastern Visayas	35	35	36	37	37	39
Zamboanga Peninsula	8	8	8	15	15	15
Northern Mindanao	40	38	36	36	35	35
Davao Region	777	779	741	741	731	719
SOCCSKSARGEN	28	25	23	21	21	20
Caraga	30	30	30	32	32	30
ARMM	1,951	1,947	1,955	1,941	1,941	1,941
Yield Per Hectare (mt)						
PHILIPPINES	**2.23**	**2.23**	**2.30**	**2.58**	**2.63**	**2.37**
CAR	7.36	7.04	6.97	5.61	4.88	4.97
Ilocos Region	0.60	0.51	0.50	0.52	0.52	0.55
Cagayan Valley	5.43	4.57	5.02	6.98	7.38	6.64
Central Luzon	2.14	2.53	3.28	2.54	2.65	3.17
CALABARZON	3.21	3.20	3.15	2.34	2.49	2.34
MIMAROPA	0.58	0.58	0.66	0.60	0.60	0.59
Bicol Region	0.48	0.47	0.41	0.39	0.43	0.45
Western Visayas	1.51	1.60	1.62	1.65	1.65	1.26
Central Visayas	3.99	3.71	4.21	1.70	3.75	2.75
Eastern Visayas	0.54	0.55	0.57	0.76	0.80	0.77
Zamboanga Peninsula	0.92	0.83	1.33	0.19	0.33	0.17
Northern Mindanao	2.69	2.63	3.16	3.71	3.93	4.18
Davao Region	5.15	5.20	5.50	5.42	4.82	3.21
SOCCSKSARGEN	2.55	2.84	2.93	2.96	2.96	3.12
Caraga	0.21	0.27	1.17	1.41	1.57	1.71
ARMM	0.98	1.03	1.00	0.97	0.96	0.88

R/ - Revised

Table 3.5a MANDARIN: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
BEARING TREES (no.)						
PHILIPPINES	**1,064,979**	**1,067,723**	**1,075,467**	**1,196,065**	**1,199,671**	**1,160,260**
CAR	13,222	14,982	15,032	16,820	17,600	17,610
Ilocos Region	3,273	3,993	3,658	3,612	3,608	3,608
Cagayan Valley	167,296	167,130	166,665	283,735	287,010	286,720
Central Luzon	128,395	127,500	122,760	121,541	121,510	88,830
CALABARZON	143,242	146,524	174,960	173,300	173,970	171,200
MIMAROPA	58,477	58,509	59,800	59,599	57,969	58,147
Bicol Region	174,361	172,722	164,802	164,434	164,361	164,361
Western Visayas	4,671	4,567	4,621	5,349	5,204	5,026
Central Visayas	2,278	2,299	2,260	5,305	5,305	5,600
Eastern Visayas	1,299	1,305	1,336	1,865	1,870	1,894
Zamboanga Peninsula	530	530	679	679	1,680	1,680
Northern Mindanao	2,545	2,485	4,295	4,445	4,335	4,335
Davao Region	160,537	160,780	156,951	156,903	156,741	153,079
SOCCSKSARGEN	2,889	2,905	2,348	2,180	2,155	2,062
Caraga	3,471	3,375	3,300	4,350	4,400	4,155
ARMM	198,493	198,117	192,000	191,948	191,953	191,953
PLANTING DENSITY (Btrees/ha)						
PHILIPPINES	**117**	**120**	**121**	**124**	**125**	**121**
CAR	111	121	118	109	97	99
Ilocos Region	205	190	174	174	171	176
Cagayan Valley	266	265	265	191	197	194
Central Luzon	252	250	251	251	251	218
CALABARZON	64	66	79	81	82	80
MIMAROPA	84	84	86	86	83	83
Bicol Region	90	98	94	94	93	94
Western Visayas	108	106	107	127	124	101
Central Visayas	57	57	57	115	115	122
Eastern Visayas	37	37	37	50	51	49
Zamboanga Peninsula	66	66	85	45	112	112
Northern Mindanao	64	65	119	123	124	124
Davao Region	207	206	212	212	214	213
SOCCSKSARGEN	103	116	102	104	103	103
Caraga	116	113	110	136	138	139
ARMM	102	102	98	99	99	99
YIELD PER BEARING TREE (kg)						
PHILIPPINES	**19.03**	**18.64**	**18.93**	**20.80**	**21.07**	**19.60**
CAR	66.24	58.28	58.90	51.65	50.50	50.25
Ilocos Region	2.94	2.69	2.89	2.97	3.05	3.12
Cagayan Valley	20.46	17.24	18.99	36.46	37.40	34.25
Central Luzon	8.50	10.10	13.07	10.13	10.55	14.56
CALABARZON	50.18	48.76	40.02	28.90	30.41	29.33
MIMAROPA	6.87	6.92	7.64	7.01	7.21	7.07
Bicol Region	5.36	4.76	4.39	4.18	4.59	4.81
Western Visayas	14.02	15.11	15.23	12.99	13.28	12.51
Central Visayas	70.11	64.49	74.49	14.71	32.49	22.58
Eastern Visayas	14.44	14.81	15.48	15.16	15.76	15.91
Zamboanga Peninsula	13.91	12.53	15.61	4.18	2.98	1.52
Northern Mindanao	42.22	40.15	26.50	30.01	31.75	33.73
Davao Region	24.94	25.20	25.98	25.59	22.46	15.09
SOCCSKSARGEN	24.73	24.43	28.74	28.56	28.86	30.28
Caraga	1.80	2.41	10.64	10.38	11.41	12.36
ARMM	9.59	10.09	10.15	9.78	9.68	8.94

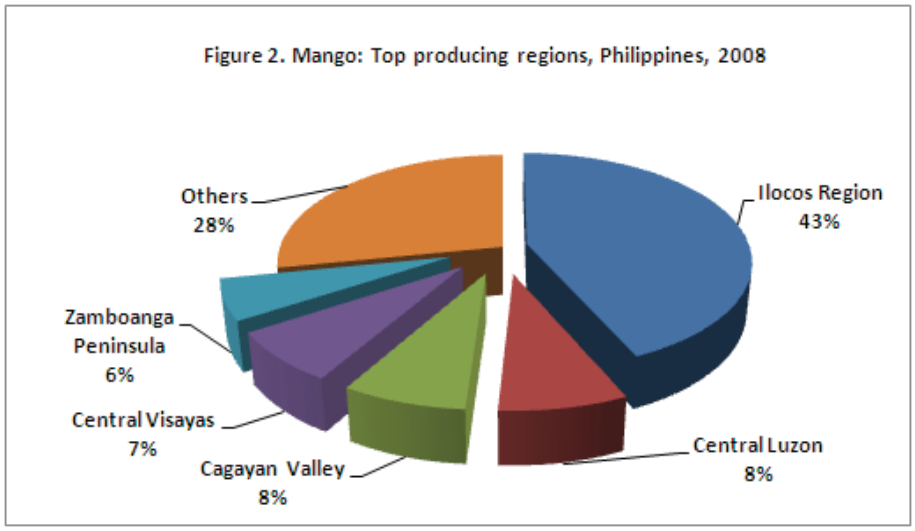
HIGHLIGHTS

MANGO

Over the last six years, 2003-2008, production slowed down annually by 3 percent. Area planted during the period expanded by an average of 4 percent. The annual increment in the number of bearing trees was 4 percent. In 2008, the country produced 884 thousand mt of mango, 14 percent lower than the 1,024 thousand mt in 2007 (Figure 1). This resulted from the adverse effects of typhoon Frank, rains during flowering stage, less flower induction, toppling down of trees due to typhoon Cosme, and the attack of anthracnose.

Figure 1. Mango: Volume of production, area planted and bearing trees, Philippines, 2003-2008

Ilocos Region remained the top producer with a contribution of 43 percent to the national output (Figure 2). This region posted a production of 383 thousand mt which was 14 percent lower than the 2007 production of 445 thousand mt. In terms of area planted, Central Luzon continued as the leading region with area planted of 33,320 hectares or 18 percent to the country's area cultivated to mango (Table 3.6).



Mango, Carabao. Carabao variety production exhibited an erratic trend during the 2003-2008 periods posting a drop of 3 percent annually. This was so, despite the expansion on area planted at an annual rate of 5 percent and increase on the number of bearing trees by 5 percent. In 2008, production of carabao variety was 712.41 thousand mt which indicated a drop of 14 percent from the 828.41 thousand mt in 2007. This variety comprised 81 percent to the country's total mango production. Area planted and number of bearing trees recorded respective increases of 2 percent and about 1 percent from 2007 to 2008 (Table 3.6.1).

Ilocos Region was the top producer in 2008 with 331.63 thousand mt or 47 percent of the total carabao variety production.

Central Luzon had the largest area planted at 24,446 hectares. This represented 17 percent of the country's area planted to carabao mango.

Table 3.6 MANGO: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**1,006,191**	**967,473**	**984,342**	**919,030**	**1,023,907**	**884,011**
CAR	3,661	3,556	3,809	3,459	3,762	3,705
Ilocos Region	417,869	430,851	440,868	422,533	445,049	382,569
Cagayan Valley	76,173	45,801	45,165	51,082	90,108	66,209
Central Luzon	98,461	91,360	94,762	85,930	84,131	68,314
CALABARZON	106,625	83,821	61,014	41,576	45,424	40,887
MIMAROPA	8,141	8,336	8,281	8,081	7,896	8,022
Bicol Region	2,281	1,535	1,914	1,686	1,622	1,438
Western Visayas	60,267	54,644	61,023	55,164	58,067	46,421
Central Visayas	55,644	58,342	64,794	54,209	72,917	65,818
Eastern Visayas	399	416	487	547	721	828
Zamboanga Peninsula	40,234	45,642	52,110	53,932	59,603	53,113
Northern Mindanao	25,852	31,845	33,543	33,581	33,685	33,251
Davao Region	30,560	32,382	33,940	33,518	38,081	36,595
SOCCSKSARGEN	53,682	51,613	53,586	43,362	51,152	47,516
Caraga	12,865	13,775	14,583	15,955	16,845	17,230
ARMM	13,476	13,553	14,462	14,414	14,846	12,094
Area (Ha)						
PHILIPPINES	**155,852**	**158,943**	**164,101**	**171,711**	**184,174**	**186,770**
CAR	665	681	688	760	780	790
Ilocos Region	21,326	21,351	21,386	21,683	22,196	22,099
Cagayan Valley	9,812	9,822	9,835	9,939	10,080	10,100
Central Luzon	29,338	30,609	31,426	32,936	33,427	33,320
CALABARZON	12,939	12,956	15,672	15,548	14,963	14,832
MIMAROPA	3,673	3,677	3,635	3,876	3,880	3,895
Bicol Region	1,571	1,626	1,701	1,700	2,056	2,056
Western Visayas	10,570	10,599	11,148	11,206	11,204	11,324
Central Visayas	11,877	12,407	12,448	12,448	12,451	12,489
Eastern Visayas	590	605	624	712	744	848
Zamboanga Peninsula	10,757	11,131	11,491	16,091	16,365	16,521
Northern Mindanao	8,362	8,255	8,305	8,657	8,656	8,657
Davao Region	8,472	8,770	8,973	9,038	18,115	18,137
SOCCSKSARGEN	10,603	10,943	11,960	12,348	14,340	16,747
Caraga	3,256	3,271	3,364	3,325	3,405	3,382
ARMM	12,041	12,239	11,445	11,444	11,513	11,573
Yield Per Hectare (mt)						
PHILIPPINES	**6.46**	**6.09**	**6.00**	**5.35**	**5.56**	**4.73**
CAR	5.51	5.22	5.54	4.55	4.82	4.69
Ilocos Region	19.59	20.18	20.61	19.49	20.05	17.31
Cagayan Valley	7.76	4.66	4.59	5.14	8.94	6.56
Central Luzon	3.36	2.98	3.02	2.61	2.52	2.05
CALABARZON	8.24	6.47	3.89	2.67	3.04	2.76
MIMAROPA	2.22	2.27	2.28	2.08	2.03	2.06
Bicol Region	1.45	0.94	1.13	0.99	0.79	0.70
Western Visayas	5.70	5.16	5.47	4.92	5.18	4.10
Central Visayas	4.69	4.70	5.21	4.35	5.86	5.27
Eastern Visayas	0.68	0.69	0.78	0.77	0.97	0.98
Zamboanga Peninsula	3.74	4.10	4.53	3.35	3.64	3.21
Northern Mindanao	3.09	3.86	4.04	3.88	3.89	3.84
Davao Region	3.61	3.69	3.78	3.71	2.10	2.02
SOCCSKSARGEN	5.06	4.72	4.48	3.51	3.57	2.84
Caraga	3.95	4.21	4.34	4.80	4.95	5.09
ARMM	1.12	1.11	1.26	1.26	1.29	1.04

Table 3.6a MANGO: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
BEARING TREES (no.)						
PHILIPPINES	**6,856,846**	**7,054,605**	**7,610,466**	**7,842,506**	**8,115,899**	**8,171,854**
CAR	27,195	27,469	29,217	30,665	32,909	33,999
Ilocos Region	745,403	765,641	789,408	796,079	837,948	836,441
Cagayan Valley	1,033,563	964,101	945,422	897,097	895,965	897,458
Central Luzon	1,185,842	1,254,032	1,426,164	1,483,087	1,478,808	1,498,353
CALABARZON	784,903	767,496	752,280	744,345	740,994	813,274
MIMAROPA	193,207	194,698	199,121	200,600	203,262	201,939
Bicol Region	54,745	56,471	60,472	59,220	59,515	61,375
Western Visayas	617,427	617,758	627,643	636,196	613,056	505,053
Central Visayas	530,216	571,099	545,103	560,943	562,343	564,818
Eastern Visayas	13,662	13,980	16,189	18,020	19,718	20,661
Zamboanga Peninsula	475,264	530,379	667,074	828,206	885,750	890,197
Northern Mindanao	396,676	393,390	403,305	406,654	417,229	417,838
Davao Region	206,240	219,806	293,773	308,832	321,063	331,054
SOCCSKSARGEN	432,836	517,806	682,862	698,157	749,013	783,589
Caraga	90,038	90,694	93,930	95,690	99,480	100,430
ARMM	69,629	69,785	78,503	78,715	198,846	215,376
PLANTING DENSITY (Btrees/ha)						
PHILIPPINES	**44**	**44**	**46**	**46**	**44**	**44**
CAR	41	40	42	40	42	43
Ilocos Region	35	36	37	37	38	38
Cagayan Valley	105	98	96	90	89	89
Central Luzon	40	41	45	45	44	45
CALABARZON	61	59	48	48	50	55
MIMAROPA	53	53	55	52	52	52
Bicol Region	35	35	36	35	29	30
Western Visayas	58	58	56	57	55	45
Central Visayas	45	46	44	45	45	45
Eastern Visayas	23	23	26	25	27	24
Zamboanga Peninsula	44	48	58	51	54	54
Northern Mindanao	47	48	49	47	48	48
Davao Region	24	25	33	34	18	18
SOCCSKSARGEN	41	47	57	57	52	47
Caraga	28	28	28	29	29	30
ARMM	6	6	7	7	17	19
YIELD PER BEARING TREE (kg)						
PHILIPPINES	**146.74**	**137.14**	**129.34**	**117.19**	**126.16**	**108.18**
CAR	134.63	129.47	130.38	112.80	114.31	108.97
Ilocos Region	560.59	562.73	558.48	530.77	531.12	457.38
Cagayan Valley	73.70	47.51	47.77	56.94	100.57	73.77
Central Luzon	83.03	72.85	66.45	57.94	56.89	45.59
CALABARZON	135.84	109.21	81.10	55.86	61.30	50.27
MIMAROPA	42.14	42.82	41.59	40.28	38.84	39.72
Bicol Region	41.66	27.19	31.65	28.47	27.26	23.43
Western Visayas	97.61	88.46	97.23	86.71	94.72	91.91
Central Visayas	104.95	102.16	118.87	96.64	129.67	116.53
Eastern Visayas	29.22	29.73	30.07	30.34	36.55	40.09
Zamboanga Peninsula	84.66	86.06	78.12	65.12	67.29	59.66
Northern Mindanao	65.17	80.95	83.17	82.58	80.73	79.58
Davao Region	148.18	147.32	115.53	108.53	118.61	110.54
SOCCSKSARGEN	124.02	99.68	78.47	62.11	68.29	60.64
Caraga	142.88	151.88	155.25	166.74	169.33	171.57
ARMM	193.54	194.21	184.22	183.12	74.66	56.15

Table 3.6.1 MANGO CARABAO: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**813,246**	**790,704**	**797,203**	**738,660**	**828,412**	**712,409**
CAR	3,586	3,492	3,627	3,352	3,648	3,605
Ilocos Region	362,097	372,632	380,134	366,420	388,007	331,628
Cagayan Valley	51,207	32,009	30,902	35,619	63,933	46,719
Central Luzon	78,384	72,331	74,039	66,874	65,189	52,582
CALABARZON	74,755	57,641	38,798	21,488	24,454	22,677
MIMAROPA	5,220	5,530	5,500	4,873	4,786	4,884
Bicol Region	76	61	96	141	244	252
Western Visayas	57,836	52,407	58,320	52,130	54,750	43,095
Central Visayas	50,209	52,709	58,470	47,945	65,854	59,631
Eastern Visayas	133	145	188	228	335	403
Zamboanga Peninsula	28,235	33,027	37,363	36,625	41,145	36,761
Northern Mindanao	22,559	28,625	30,239	30,425	30,635	30,301
Davao Region	27,091	28,663	26,545	26,079	30,770	29,812
SOCCSKSARGEN	41,114	40,134	40,600	32,389	39,273	36,500
Caraga	8,616	9,152	9,923	10,750	11,386	11,804
ARMM	2,129	2,145	2,460	3,321	4,003	1,753
Area (Ha)						
PHILIPPINES	**115,670**	**118,485**	**123,428**	**129,475**	**141,627**	**144,293**
CAR	603	616	626	688	693	697
Ilocos Region	16,171	16,218	16,281	16,578	17,086	17,087
Cagayan Valley	6,173	6,201	6,214	6,321	6,433	6,450
Central Luzon	21,341	22,543	23,298	24,316	24,546	24,446
CALABARZON	8,044	8,048	10,753	10,705	10,472	10,478
MIMAROPA	1,764	1,767	1,769	1,991	1,996	2,013
Bicol Region	345	353	413	416	545	545
Western Visayas	9,720	9,739	10,197	10,219	10,186	10,195
Central Visayas	9,790	10,315	10,355	10,355	10,356	10,391
Eastern Visayas	343	355	363	447	476	559
Zamboanga Peninsula	8,569	8,867	9,000	12,649	12,863	13,006
Northern Mindanao	6,933	6,943	6,988	7,331	7,332	7,332
Davao Region	6,603	6,845	6,622	6,696	15,778	15,795
SOCCSKSARGEN	9,090	9,487	10,358	10,587	12,640	15,057
Caraga	2,338	2,343	2,352	2,310	2,345	2,352
ARMM	7,843	7,845	7,839	7,866	7,880	7,890
Yield Per Hectare (mt)						
PHILIPPINES	**7.03**	**6.67**	**6.46**	**5.71**	**5.85**	**4.94**
CAR	5.95	5.67	5.79	4.87	5.26	5.17
Ilocos Region	22.39	22.98	23.35	22.10	22.71	19.41
Cagayan Valley	8.30	5.16	4.97	5.63	9.94	7.24
Central Luzon	3.67	3.21	3.18	2.75	2.66	2.15
CALABARZON	9.29	7.16	3.61	2.01	2.34	2.16
MIMAROPA	2.96	3.13	3.11	2.45	2.40	2.43
Bicol Region	0.22	0.17	0.23	0.34	0.45	0.46
Western Visayas	5.95	5.38	5.72	5.10	5.38	4.23
Central Visayas	5.13	5.11	5.65	4.63	6.36	5.74
Eastern Visayas	0.39	0.41	0.52	0.51	0.70	0.72
Zamboanga Peninsula	3.29	3.72	4.15	2.90	3.20	2.83
Northern Mindanao	3.25	4.12	4.33	4.15	4.18	4.13
Davao Region	4.10	4.19	4.01	3.89	1.95	1.89
SOCCSKSARGEN	4.52	4.23	3.92	3.06	3.11	2.42
Caraga	3.69	3.91	4.22	4.65	4.86	5.02
ARMM	0.27	0.27	0.31	0.42	0.51	0.22

Table 3.6.1a MANGO CARABAO: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
BEARING TREES (no.)						
PHILIPPINES	**4,667,323**	**4,879,228**	**5,279,476**	**5,576,437**	**5,841,197**	**5,880,136**
CAR	24,801	24,965	26,034	27,169	29,081	29,844
Ilocos Region	506,323	517,214	530,416	540,688	578,132	581,486
Cagayan Valley	567,178	534,504	528,659	511,679	508,880	510,376
Central Luzon	764,819	821,274	956,946	1,011,931	1,010,321	1,016,797
CALABARZON	489,551	489,888	485,915	483,565	483,133	567,313
MIMAROPA	90,601	91,148	93,066	90,108	93,075	93,241
Bicol Region	5,655	5,805	7,573	6,234	6,276	7,276
Western Visayas	584,320	584,482	590,578	591,984	568,322	453,937
Central Visayas	444,976	485,444	459,378	467,378	467,778	469,900
Eastern Visayas	4,833	5,005	6,425	7,872	8,947	9,293
Zamboanga Peninsula	369,206	412,941	513,074	647,287	703,154	704,840
Northern Mindanao	335,052	340,391	346,843	349,963	360,561	360,637
Davao Region	153,410	162,368	211,604	225,693	235,472	244,480
SOCCSKSARGEN	269,486	346,643	464,056	553,604	604,310	645,701
Caraga	53,456	53,400	54,000	54,220	57,230	58,370
ARMM	3,656	3,756	4,909	7,062	126,525	126,645
PLANTING DENSITY (Btrees/ha)						
PHILIPPINES	**40**	**41**	**43**	**43**	**41**	**41**
CAR	41	41	42	39	42	43
Ilocos Region	31	32	33	33	34	34
Cagayan Valley	92	86	85	81	79	79
Central Luzon	36	36	41	42	41	42
CALABARZON	61	61	45	45	46	54
MIMAROPA	51	52	53	45	47	46
Bicol Region	16	16	18	15	12	13
Western Visayas	60	60	58	58	56	45
Central Visayas	45	47	44	45	45	45
Eastern Visayas	14	14	18	18	19	17
Zamboanga Peninsula	43	47	57	51	55	54
Northern Mindanao	48	49	50	48	49	49
Davao Region	23	24	32	34	15	15
SOCCSKSARGEN	30	37	45	52	48	43
Caraga	23	23	23	23	24	25
ARMM	0	0	1	1	16	16
YIELD PER BEARING TREE (kg)						
PHILIPPINES	**174.24**	**162.06**	**151.00**	**132.46**	**141.82**	**121.16**
CAR	144.59	139.89	139.32	123.37	125.43	120.79
Ilocos Region	715.15	720.46	716.67	677.69	671.14	570.31
Cagayan Valley	90.28	59.88	58.45	69.61	125.63	91.54
Central Luzon	102.49	88.07	77.37	66.09	64.52	51.71
CALABARZON	152.70	117.66	79.85	44.44	50.62	39.97
MIMAROPA	57.61	60.67	59.09	54.08	51.42	52.38
Bicol Region	13.39	10.49	12.68	22.67	38.84	34.60
Western Visayas	98.98	89.66	98.75	88.06	96.34	94.94
Central Visayas	112.84	108.58	127.28	102.58	140.78	126.90
Eastern Visayas	27.59	28.92	29.18	28.98	37.40	43.41
Zamboanga Peninsula	76.47	79.98	72.82	56.58	58.52	52.16
Northern Mindanao	67.33	84.09	87.18	86.94	84.96	84.02
Davao Region	176.59	176.53	125.45	115.55	130.67	121.94
SOCCSKSARGEN	152.57	115.78	87.49	58.51	64.99	56.53
Caraga	161.17	171.39	183.76	198.27	198.96	202.23
ARMM	582.33	571.15	501.15	470.27	31.64	13.84

Table 3.7 MANGOSTEEN: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**4,901**	**4,863**	**5,152**	**4,494**	**4,683**	**866**
CAR	-	-	-	-	-	-
Ilocos Region	-	-	-	-	-	-
Cagayan Valley	-	-	-	-	-	-
Central Luzon	-	-	-	-	-	-
CALABARZON	-	-	90	85	64	58
MIMAROPA	1	1	1	1	1	1
Bicol Region	-	-	-	-	-	-
Western Visayas	-	-	-	-	-	248
Central Visayas	44	18	9	9	8	6
Eastern Visayas	-	-	-	-	-	-
Zamboanga Peninsula	213	253	194	103	113	28
Northern Mindanao	210	161	159	151	153	119
Davao Region	391	330	477	267	410	369
SOCCSKSARGEN	73	245	335	55	558	4
Caraga	44	49	36	39	34	12
ARMM	3,926	3,806	3,851	3,783	3,341	21
Area (Ha)						
PHILIPPINES	**1,589**	**1,645**	**1,713**	**1,813**	**1,991**	**2,214**
CAR	-	-	-	-	-	-
Ilocos Region	-	-	-	-	-	-
Cagayan Valley	-	-	-	-	-	-
Central Luzon	-	-	-	-	-	-
CALABARZON	1	1	11	11	9	9
MIMAROPA	3	5	6	6	6	6
Bicol Region	-	-	-	-	-	-
Western Visayas	-	-	15	-	-	171
Central Visayas	21	21	21	20	20	20
Eastern Visayas	-	-	-	-	-	-
Zamboanga Peninsula	125	149	173	290	395	397
Northern Mindanao	58	53	53	53	53	52
Davao Region	253	261	269	272	338	344
SOCCSKSARGEN	167	193	205	206	215	230
Caraga	28	29	29	28	29	29
ARMM	933	933	931	927	926	956
Yield Per Hectare (mt)						
PHILIPPINES	**3.08**	**2.96**	**3.01**	**2.48**	**2.35**	**0.39**
CAR						
Ilocos Region						
Cagayan Valley						
Central Luzon						
CALABARZON	0.00	0.00	8.18	7.73	7.08	6.43
MIMAROPA	0.31	0.20	0.20	0.19	0.20	0.18
Bicol Region						
Western Visayas			0.00			1.45
Central Visayas	2.10	0.85	0.42	0.46	0.42	0.29
Eastern Visayas						
Zamboanga Peninsula	1.70	1.70	1.12	0.35	0.29	0.07
Northern Mindanao	3.62	3.04	2.99	2.85	2.92	2.32
Davao Region	1.54	1.26	1.77	0.98	1.21	1.07
SOCCSKSARGEN	0.44	1.27	1.63	0.27	2.60	0.02
Caraga	1.58	1.69	1.24	1.39	1.18	0.41
ARMM	4.21	4.08	4.14	4.08	3.61	0.02

Table 3.7a MANGOSTEEN: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
BEARING TREES (no.)						
PHILIPPINES	**175,536**	**184,755**	**188,684**	**189,740**	**192,355**	**206,884**
CAR	-	-	-	-	-	-
Ilocos Region	-	-	-	-	-	-
Cagayan Valley	-	-	-	-	-	-
Central Luzon	-	-	-	-	-	-
CALABARZON	-	-	1,500	1,500	1,440	1,440
MIMAROPA	200	400	460	500	500	504
Bicol Region	-	-	-	-	-	-
Western Visayas	-	-	-	-	-	13,725
Central Visayas	2,850	2,850	2,920	2,920	2,925	2,920
Eastern Visayas	-	-	-	-	-	-
Zamboanga Peninsula	7,209	7,730	8,629	9,483	11,119	11,122
Northern Mindanao	3,954	3,704	3,786	3,786	3,796	3,657
Davao Region	17,880	14,645	15,584	15,642	16,745	17,682
SOCCSKSARGEN	5,274	17,048	17,450	17,800	17,810	17,812
Caraga	2,020	2,230	2,430	2,280	2,250	2,252
ARMM	136,149	136,148	135,925	135,829	135,770	135,770
PLANTING DENSITY (Btrees/ha)						
PHILIPPINES	**110**	**112**	**110**	**105**	**97**	**93**
CAR						
Ilocos Region						
Cagayan Valley						
Central Luzon						
CALABARZON	-	-	136	136	160	160
MIMAROPA	67	80	77	83	83	81
Bicol Region						
Western Visayas			-			80
Central Visayas	136	136	139	146	146	146
Eastern Visayas						
Zamboanga Peninsula	58	52	50	33	28	28
Northern Mindanao	68	70	71	71	72	71
Davao Region	71	56	58	58	50	51
SOCCSKSARGEN	32	88	85	86	83	77
Caraga	72	77	84	81	78	79
ARMM	146	146	146	147	147	142
YIELD PER BEARING TREE (kg)						
PHILIPPINES	**27.92**	**26.32**	**27.30**	**23.68**	**24.34**	**4.18**
CAR						
Ilocos Region						
Cagayan Valley						
Central Luzon						
CALABARZON			60.00	56.67	44.27	40.17
MIMAROPA	4.65	2.55	2.63	2.26	2.38	2.20
Bicol Region						
Western Visayas						18.07
Central Visayas	15.44	6.25	3.05	3.16	2.86	2.02
Eastern Visayas						
Zamboanga Peninsula	29.56	32.71	22.47	10.83	10.18	2.54
Northern Mindanao	53.10	43.45	41.87	39.84	40.33	32.64
Davao Region	21.86	22.54	30.61	17.08	24.47	20.84
SOCCSKSARGEN	13.79	14.36	19.17	3.10	31.33	0.20
Caraga	21.97	21.94	14.81	17.07	15.27	5.17
ARMM	28.83	27.96	28.34	27.85	24.61	0.15

Table 3.8 ORANGE: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**7,432**	**6,293**	**5,794**	**5,234**	**5,148**	**4,870**
CAR	1,152	1,042	1,091	1,056	1,030	1,013
Ilocos Region	55	55	55	54	53	50
Cagayan Valley	932	810	737	769	976	960
Central Luzon	59	96	104	100	101	79
CALABARZON	1,742	964	517	255	123	38
MIMAROPA	72	63	59	31	14	11
Bicol Region	1,027	968	978	927	985	989
Western Visayas	59	47	48	47	46	46
Central Visayas	146	54	50	36	30	12
Eastern Visayas	90	91	93	99	101	109
Zamboanga Peninsula	121	115	114	72	61	60
Northern Mindanao	190	154	149	147	146	136
Davao Region	1,314	1,353	1,374	1,345	1,197	1,089
SOCCSKSARGEN	103	108	102	86	86	89
Caraga	263	266	217	136	130	124
ARMM	107	106	104	74	69	66
Area (Ha)						
PHILIPPINES	**2,275**	**2,269**	**2,167**	**1,936**	**1,817**	**1,677**
CAR	184	187	191	191	178	179
Ilocos Region	30	27	27	27	27	24
Cagayan Valley	350	350	350	350	354	354
Central Luzon	28	28	28	26	16	10
CALABARZON	447	439	359	218	125	13
MIMAROPA	19	19	18	8	4	4
Bicol Region	506	504	482	482	484	484
Western Visayas	34	32	31	31	31	30
Central Visayas	47	47	47	28	26	16
Eastern Visayas	44	46	47	47	48	50
Zamboanga Peninsula	45	44	43	41	40	39
Northern Mindanao	76	72	70	62	62	60
Davao Region	249	250	252	251	249	246
SOCCSKSARGEN	28	28	28	22	21	20
Caraga	115	113	113	75	75	72
ARMM	73	83	80	77	77	77
Yield Per Hectare (mt)						
PHILIPPINES	**3.27**	**2.77**	**2.67**	**2.70**	**2.83**	**2.90**
CAR	6.26	5.57	5.71	5.53	5.79	5.66
Ilocos Region	1.84	2.05	2.04	1.99	1.95	2.11
Cagayan Valley	2.66	2.31	2.11	2.20	2.76	2.71
Central Luzon	2.12	3.42	3.73	3.84	6.31	7.87
CALABARZON	3.90	2.20	1.44	1.17	0.98	2.96
MIMAROPA	3.81	3.30	3.29	3.88	3.51	3.26
Bicol Region	2.03	1.92	2.03	1.92	2.03	2.04
Western Visayas	1.73	1.47	1.54	1.53	1.50	1.54
Central Visayas	3.11	1.15	1.05	1.29	1.15	0.76
Eastern Visayas	2.04	1.99	1.99	2.10	2.10	2.17
Zamboanga Peninsula	2.71	2.62	2.65	1.77	1.53	1.53
Northern Mindanao	2.51	2.14	2.12	2.37	2.36	2.26
Davao Region	5.28	5.41	5.45	5.36	4.81	4.43
SOCCSKSARGEN	3.69	3.84	3.65	3.91	4.12	4.43
Caraga	2.29	2.35	1.92	1.82	1.73	1.73
ARMM	1.46	1.28	1.30	0.96	0.90	0.86

Table 3.8a ORANGE: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
BEARING TREES (no.)						
PHILIPPINES	**309,436**	**302,852**	**277,885**	**250,562**	**229,281**	**204,306**
CAR	23,649	24,150	26,950	27,056	27,721	27,831
Ilocos Region	4,785	4,615	4,662	4,679	3,743	3,442
Cagayan Valley	58,700	58,820	44,790	60,815	61,595	61,585
Central Luzon	3,543	3,581	3,836	2,960	2,960	1,800
CALABARZON	85,540	81,279	69,275	39,910	19,725	910
MIMAROPA	2,800	2,765	2,844	1,450	860	760
Bicol Region	36,363	35,789	33,584	33,551	33,510	33,500
Western Visayas	4,367	4,121	4,098	4,030	4,000	3,890
Central Visayas	7,845	7,849	7,850	4,540	4,450	3,000
Eastern Visayas	5,200	5,203	5,240	5,308	5,365	5,425
Zamboanga Peninsula	5,235	5,227	4,896	4,600	4,458	4,488
Northern Mindanao	8,899	8,509	9,160	8,010	7,995	7,726
Davao Region	33,192	31,476	31,246	31,114	30,880	28,930
SOCCSKSARGEN	3,973	4,045	3,899	2,939	2,409	2,239
Caraga	15,515	15,425	15,425	9,550	9,550	8,700
ARMM	9,830	9,998	10,130	10,050	10,060	10,080
PLANTING DENSITY (Btrees/ha)						
PHILIPPINES	**136**	**133**	**128**	**129**	**126**	**122**
CAR	129	129	141	142	156	155
Ilocos Region	160	171	173	173	139	146
Cagayan Valley	168	168	128	174	174	174
Central Luzon	127	128	137	114	185	180
CALABARZON	191	185	193	183	158	70
MIMAROPA	147	146	158	181	215	217
Bicol Region	72	71	70	70	69	69
Western Visayas	128	129	132	130	129	130
Central Visayas	167	167	167	162	171	188
Eastern Visayas	118	113	111	113	112	109
Zamboanga Peninsula	118	119	114	112	111	115
Northern Mindanao	117	118	130	129	129	129
Davao Region	133	126	124	124	124	118
SOCCSKSARGEN	142	144	139	134	115	112
Caraga	135	137	137	127	127	121
ARMM	135	120	127	131	131	131
YIELD PER BEARING TREE (kg)						
PHILIPPINES	**24.02**	**20.78**	**20.85**	**20.89**	**22.45**	**23.83**
CAR	48.71	43.14	40.49	39.05	37.16	36.39
Ilocos Region	11.56	12.00	11.79	11.48	14.05	14.41
Cagayan Valley	15.88	13.77	16.45	12.64	15.85	15.58
Central Luzon	16.76	26.76	27.23	33.76	34.10	43.71
CALABARZON	20.36	11.86	7.47	6.38	6.22	42.25
MIMAROPA	25.84	22.66	20.82	21.41	16.34	15.00
Bicol Region	28.24	27.05	29.12	27.62	29.39	29.52
Western Visayas	13.47	11.41	11.66	11.75	11.59	11.87
Central Visayas	18.62	6.88	6.31	7.95	6.74	4.08
Eastern Visayas	17.24	17.58	17.83	18.58	18.77	20.04
Zamboanga Peninsula	23.05	22.01	23.32	15.75	13.70	13.29
Northern Mindanao	21.40	18.15	16.30	18.36	18.28	17.56
Davao Region	39.60	43.00	43.96	43.23	38.77	37.64
SOCCSKSARGEN	25.98	26.60	26.18	29.30	35.90	39.61
Caraga	16.94	17.21	14.10	14.28	13.56	14.29
ARMM	10.85	10.63	10.27	7.36	6.85	6.54

Table 3.9 PAPAYA: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**130,764**	**133,876**	**146,628**	**157,120**	**164,234**	**182,907**
CAR	1,711	1,709	1,680	1,642	1,655	1,667
Ilocos Region	3,733	3,941	3,870	4,120	4,122	3,982
Cagayan Valley	3,780	2,974	2,305	2,749	3,043	2,996
Central Luzon	2,414	2,449	2,828	3,241	3,391	3,977
CALABARZON	19,525	19,657	19,067	14,573	10,528	10,356
MIMAROPA	3,646	3,471	3,878	3,121	3,263	3,544
Bicol Region	9,206	8,858	8,842	8,547	8,244	9,305
Western Visayas	7,252	7,521	7,164	7,343	7,117	6,435
Central Visayas	8,481	8,782	8,296	7,540	7,422	7,425
Eastern Visayas	2,574	2,600	2,707	2,723	2,851	2,957
Zamboanga Peninsula	5,474	5,578	6,078	6,059	5,854	5,878
Northern Mindanao	22,149	23,571	29,061	32,496	35,629	39,045
Davao Region	14,606	14,248	14,251	13,496	18,421	21,408
SOCCSKSARGEN	20,671	23,303	31,464	44,274	47,462	58,730
Caraga	2,149	1,883	1,965	2,096	2,125	2,102
ARMM	3,392	3,333	3,173	3,101	3,104	3,101
Area (Ha)						
PHILIPPINES	**8,871**	**8,969**	**9,459**	**9,280**	**9,125**	**9,175**
CAR	220	220	263	225	223	217
Ilocos Region	337	343	335	334	341	320
Cagayan Valley	476	467	447	447	440	443
Central Luzon	557	555	548	617	639	659
CALABARZON	1,090	1,114	1,119	1,073	718	711
MIMAROPA	340	350	350	334	347	351
Bicol Region	611	598	588	557	584	588
Western Visayas	783	793	802	823	826	808
Central Visayas	501	499	495	471	404	390
Eastern Visayas	430	441	448	455	459	470
Zamboanga Peninsula	616	613	615	617	615	619
Northern Mindanao	797	843	872	929	940	1,022
Davao Region	719	727	700	590	766	759
SOCCSKSARGEN	969	994	1,453	1,384	1,399	1,365
Caraga	278	263	262	274	273	296
ARMM	149	150	162	150	152	158
Yield Per Hectare (mt)						
PHILIPPINES	**14.74**	**14.93**	**15.50**	**16.93**	**18.00**	**19.93**
CAR	7.78	7.77	6.39	7.30	7.42	7.67
Ilocos Region	11.08	11.48	11.54	12.32	12.11	12.42
Cagayan Valley	7.94	6.37	5.16	6.15	6.91	6.76
Central Luzon	4.33	4.41	5.16	5.25	5.31	6.04
CALABARZON	17.91	17.65	17.04	13.58	14.66	14.57
MIMAROPA	10.74	9.92	11.08	9.33	9.40	10.11
Bicol Region	15.07	14.81	15.04	15.34	14.12	15.82
Western Visayas	9.26	9.48	8.93	8.92	8.62	7.96
Central Visayas	16.93	17.60	16.76	16.01	18.37	19.04
Eastern Visayas	5.99	5.90	6.04	5.99	6.21	6.30
Zamboanga Peninsula	8.89	9.10	9.89	9.81	9.53	9.50
Northern Mindanao	27.81	27.98	33.33	34.98	37.91	38.20
Davao Region	20.33	19.60	20.36	22.87	24.05	28.22
SOCCSKSARGEN	21.33	23.44	21.65	32.00	33.94	43.03
Caraga	7.73	7.16	7.50	7.65	7.78	7.10
ARMM	22.76	22.22	19.59	20.67	20.37	19.64

Table 3.9a PAPAYA: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
BEARING TREES (no.)						
PHILIPPINES	**5,351,139**	**5,352,371**	**5,650,747**	**5,701,587**	**5,599,575**	**5,670,826**
CAR	93,917	94,998	93,830	94,970	91,831	91,289
Ilocos Region	183,569	189,621	187,033	191,331	190,241	183,524
Cagayan Valley	299,554	283,064	275,063	260,190	249,688	248,076
Central Luzon	198,813	199,665	230,585	274,600	298,070	307,238
CALABARZON	742,187	749,704	701,278	670,945	425,952	420,584
MIMAROPA	151,262	151,784	152,722	143,391	152,821	154,436
Bicol Region	389,267	343,101	343,688	325,287	307,835	309,043
Western Visayas	377,952	388,691	390,354	380,477	370,853	368,675
Central Visayas	249,919	245,274	231,910	215,699	179,225	169,298
Eastern Visayas	142,427	146,417	150,352	161,677	162,545	167,043
Zamboanga Peninsula	275,933	292,674	303,867	304,498	303,363	303,780
Northern Mindanao	655,243	709,960	716,524	771,512	755,668	836,263
Davao Region	484,748	451,141	442,868	419,539	591,658	590,163
SOCCSKSARGEN	855,722	875,337	1,200,265	1,257,761	1,291,865	1,283,146
Caraga	164,321	144,945	141,625	142,880	142,955	152,328
ARMM	86,305	85,996	88,783	86,830	85,005	85,940
PLANTING DENSITY (Btrees/ha)						
PHILIPPINES	**603**	**597**	**597**	**614**	**614**	**618**
CAR	427	432	357	422	412	420
Ilocos Region	545	552	558	572	559	573
Cagayan Valley	629	606	615	582	567	560
Central Luzon	357	360	421	445	466	466
CALABARZON	681	673	627	625	593	592
MIMAROPA	446	434	436	429	440	440
Bicol Region	637	574	585	584	527	526
Western Visayas	483	490	487	462	449	456
Central Visayas	499	492	469	458	444	434
Eastern Visayas	332	332	336	356	354	356
Zamboanga Peninsula	448	477	494	493	494	491
Northern Mindanao	823	843	822	830	804	818
Davao Region	675	621	633	711	772	778
SOCCSKSARGEN	883	881	826	909	924	940
Caraga	591	551	541	521	524	515
ARMM	579	573	548	579	558	544
YIELD PER BEARING TREE (kg)						
PHILIPPINES	**24.44**	**25.01**	**25.95**	**27.56**	**29.33**	**32.25**
CAR	18.22	17.99	17.91	17.29	18.02	18.26
Ilocos Region	20.33	20.78	20.69	21.53	21.67	21.69
Cagayan Valley	12.62	10.51	8.38	10.57	12.19	12.08
Central Luzon	12.14	12.26	12.26	11.80	11.38	12.95
CALABARZON	26.31	26.22	27.19	21.72	24.72	24.62
MIMAROPA	24.10	22.87	25.39	21.77	21.35	22.95
Bicol Region	23.65	25.82	25.73	26.27	26.78	30.11
Western Visayas	19.19	19.35	18.35	19.30	19.19	17.45
Central Visayas	33.93	35.81	35.77	34.95	41.41	43.86
Eastern Visayas	18.08	17.76	18.00	16.84	17.54	17.70
Zamboanga Peninsula	19.84	19.06	20.00	19.90	19.30	19.35
Northern Mindanao	33.80	33.20	40.56	42.12	47.15	46.69
Davao Region	30.13	31.58	32.18	32.17	31.13	36.27
SOCCSKSARGEN	24.16	26.62	26.21	35.20	36.74	45.77
Caraga	13.08	12.99	13.88	14.67	14.86	13.80
ARMM	39.30	38.76	35.74	35.72	36.52	36.08

HIGHLIGHTS

PINEAPPLE

Production and area planted from 2003 to 2008 exhibited annual growth rates of 5 percent and 4 percent, respectively. In 2008, the country produced 2,209 thousand mt, 10 percent more than the 2,017 thousand mt in 2007(Figure 1). This was attributed to area expansion in multinational corporate farms.

Figure 1. Pineapple: Volume of production and area planted, Philippines, 2003-2008

Northern Mindanao and SOSSCKSARGEN, the major pineapple producers, both accounted for 87 percent of the country's pineapple production. These regions contributed 76 percent to the country's total area devoted to pineapple (Figure 2).

Figure 2. Pineapple: Top producing regions, Philippines, 2008

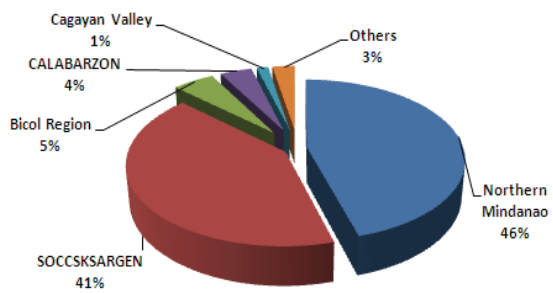


Table 3.10 PINEAPPLE: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**1,697,952**	**1,759,813**	**1,788,218**	**1,833,908**	**2,016,462**	**2,209,336**
CAR	971	771	701	709	688	711
Ilocos Region	225	219	215	219	202	206
Cagayan Valley	21,840	22,687	21,060	23,983	28,630	30,815
Central Luzon	621	1,082	1,058	1,248	1,292	1,363
CALABARZON	84,884	81,578	80,871	82,459	84,049	86,168
MIMAROPA	191	192	188	188	188	223
Bicol Region	91,740	94,642	104,995	112,210	116,816	111,530
Western Visayas	10,513	13,648	14,497	15,042	14,776	15,184
Central Visayas	3,606	3,220	3,072	3,978	4,535	4,887
Eastern Visayas	6,071	6,215	6,284	6,411	6,850	7,397
Zamboanga Peninsula	3,653	3,272	2,593	2,380	2,337	2,436
Northern Mindanao	840,134	889,593	891,581	911,160	924,505	1,007,022
Davao Region	17,061	18,104	19,114	19,411	22,452	22,303
SOCCSKSARGEN	611,073	619,177	636,450	649,301	803,761	913,280
Caraga	3,993	4,039	4,330	4,167	4,345	4,738
ARMM	1,375	1,374	1,209	1,040	1,037	1,072
Area (Ha)						
PHILIPPINES	**47,663**	**48,238**	**49,215**	**49,813**	**53,978**	**58,251**
CAR	189	138	136	124	122	115
Ilocos Region	43	41	41	41	40	38
Cagayan Valley	1,219	1,271	1,298	1,328	1,366	1,394
Central Luzon	108	108	111	124	128	136
CALABARZON	4,710	4,708	4,535	4,519	4,376	4,368
MIMAROPA	43	44	44	43	49	52
Bicol Region	3,646	3,682	3,837	3,847	3,323	3,115
Western Visayas	522	692	707	722	727	730
Central Visayas	463	464	443	451	443	443
Eastern Visayas	499	504	514	520	523	551
Zamboanga Peninsula	563	572	515	455	438	422
Northern Mindanao	18,305	18,409	18,464	18,734	18,924	18,994
Davao Region	2,160	2,164	2,183	2,071	2,074	2,064
SOCCSKSARGEN	14,545	14,794	15,763	16,232	20,826	25,202
Caraga	534	537	539	530	543	545
ARMM	114	110	86	71	76	81
Yield Per Hectare (mt)						
PHILIPPINES	**35.62**	**36.48**	**36.33**	**36.82**	**37.36**	**37.93**
CAR	5.14	5.59	5.16	5.72	5.64	6.18
Ilocos Region	5.24	5.27	5.23	5.32	5.05	5.42
Cagayan Valley	17.92	17.85	16.23	18.06	20.96	22.11
Central Luzon	5.75	10.01	9.53	10.07	10.09	10.02
CALABARZON	18.02	17.33	17.83	18.25	19.21	19.73
MIMAROPA	4.45	4.37	4.24	4.36	3.84	4.28
Bicol Region	25.16	25.70	27.36	29.17	35.15	35.80
Western Visayas	20.14	19.72	20.52	20.83	20.32	20.80
Central Visayas	7.79	6.94	6.93	8.82	10.24	11.03
Eastern Visayas	12.17	12.34	12.23	12.33	13.10	13.42
Zamboanga Peninsula	6.49	5.72	5.04	5.23	5.34	5.77
Northern Mindanao	45.90	48.32	48.29	48.64	48.85	53.02
Davao Region	7.90	8.37	8.76	9.37	10.83	10.81
SOCCSKSARGEN	42.01	41.85	40.38	40.00	38.59	36.24
Caraga	7.48	7.52	8.03	7.86	8.00	8.69
ARMM	12.07	12.49	14.14	14.65	13.64	13.24

Table 3.11 RAMBUTAN: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**11,901**	**12,088**	**15,466**	**13,405**	**14,915**	**8,553**
CAR	15	22	26	30	37	40
Ilocos Region	28	27	31	53	60	65
Cagayan Valley	128	120	115	250	323	376
Central Luzon	2	5	9	12	15	20
CALABARZON	6,991	5,718	7,517	7,495	6,221	4,419
MIMAROPA	383	395	389	364	354	338
Bicol Region	3	8	10	18	17	18
Western Visayas	77	90	127	129	166	99
Central Visayas	3	3	4	4	5	6
Eastern Visayas	7	7	8	10	14	14
Zamboanga Peninsula	145	234	332	309	339	194
Northern Mindanao	292	281	297	331	373	206
Davao Region	827	835	1,952	1,598	2,248	1,223
SOCCSKSARGEN	2,791	4,115	4,527	2,689	4,639	1,431
Caraga	176	199	97	96	83	87
ARMM	32	31	27	18	21	16
Area (Ha)						
PHILIPPINES	**4,861**	**5,173**	**5,299**	**5,444**	**5,631**	**5,669**
CAR	8	14	15	31	31	31
Ilocos Region	18	24	26	28	30	32
Cagayan Valley	23	23	26	51	62	62
Central Luzon	2	3	4	5	6	6
CALABARZON	1,389	1,552	1,610	1,615	1,616	1,616
MIMAROPA	709	710	718	718	718	704
Bicol Region	16	16	16	16	16	16
Western Visayas	52	69	72	73	79	97
Central Visayas	12	12	13	13	15	16
Eastern Visayas	6	8	8	8	11	16
Zamboanga Peninsula	73	104	116	207	323	340
Northern Mindanao	175	175	178	184	185	185
Davao Region	659	670	682	689	723	724
SOCCSKSARGEN	1,243	1,315	1,338	1,338	1,346	1,352
Caraga	445	446	446	441	443	445
ARMM	31	33	31	27	27	27
Yield Per Hectare (mt)						
PHILIPPINES	**2.45**	**2.34**	**2.92**	**2.46**	**2.65**	**1.51**
CAR	1.93	1.54	1.71	0.95	1.20	1.29
Ilocos Region	1.54	1.13	1.19	1.93	1.99	2.02
Cagayan Valley	5.57	5.20	4.42	4.90	5.22	6.07
Central Luzon	1.00	1.80	2.25	2.36	2.42	3.33
CALABARZON	5.03	3.68	4.67	4.64	3.85	2.73
MIMAROPA	0.54	0.56	0.54	0.51	0.49	0.48
Bicol Region	0.19	0.47	0.60	1.14	1.08	1.12
Western Visayas	1.47	1.31	1.77	1.76	2.10	1.02
Central Visayas	0.25	0.25	0.29	0.32	0.32	0.37
Eastern Visayas	1.19	0.94	0.96	1.31	1.26	0.89
Zamboanga Peninsula	1.99	2.25	2.87	1.49	1.05	0.57
Northern Mindanao	1.67	1.60	1.67	1.80	2.02	1.12
Davao Region	1.26	1.25	2.86	2.32	3.11	1.69
SOCCSKSARGEN	2.25	3.13	3.38	2.01	3.45	1.06
Caraga	0.40	0.45	0.22	0.22	0.19	0.20
ARMM	1.03	0.94	0.86	0.65	0.76	0.58

Table 3.11a RAMBUTAN: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
BEARING TREES (no.)						
PHILIPPINES	**427,081**	**430,287**	**445,931**	**457,127**	**407,939**	**411,808**
CAR	700	700	800	878	1,078	1,100
Ilocos Region	1,198	1,203	1,207	1,462	1,522	1,664
Cagayan Valley	3,448	3,388	3,388	3,350	3,585	3,550
Central Luzon	250	250	300	516	600	800
CALABARZON	214,125	214,075	215,805	221,333	166,710	169,640
MIMAROPA	22,052	23,651	23,330	23,330	23,965	23,463
Bicol Region	1,228	1,241	1,250	1,251	1,252	1,252
Western Visayas	5,468	5,378	5,510	5,488	5,660	5,660
Central Visayas	1,485	1,514	1,520	1,450	1,450	1,630
Eastern Visayas	425	430	505	550	890	950
Zamboanga Peninsula	6,040	5,801	6,528	8,050	9,650	10,432
Northern Mindanao	16,303	15,477	15,762	17,540	17,791	17,560
Davao Region	46,944	47,557	48,680	49,299	50,095	50,271
SOCCSKSARGEN	95,720	97,952	108,650	109,900	110,623	110,623
Caraga	8,270	8,250	9,310	9,320	9,540	9,540
ARMM	3,425	3,420	3,385	3,410	3,528	3,673
PLANTING DENSITY (Btrees/ha)						
PHILIPPINES	**88**	**83**	**84**	**84**	**72**	**73**
CAR	88	50	53	28	35	35
Ilocos Region	66	51	46	53	51	52
Cagayan Valley	150	147	130	66	58	57
Central Luzon	125	100	75	103	100	133
CALABARZON	154	138	134	137	103	105
MIMAROPA	31	33	32	32	33	33
Bicol Region	77	78	78	78	78	78
Western Visayas	105	78	77	75	72	58
Central Visayas	124	126	117	112	97	102
Eastern Visayas	71	54	63	69	81	59
Zamboanga Peninsula	83	56	56	39	30	31
Northern Mindanao	93	88	89	95	96	95
Davao Region	71	71	71	72	69	69
SOCCSKSARGEN	77	74	81	82	82	82
Caraga	19	18	21	21	22	21
ARMM	110	104	109	126	131	136
YIELD PER BEARING TREE (kg)						
PHILIPPINES	**27.87**	**28.09**	**34.68**	**29.32**	**36.56**	**20.77**
CAR	22.07	30.71	32.13	33.71	34.55	36.27
Ilocos Region	23.37	22.13	25.68	36.34	39.17	38.89
Cagayan Valley	37.14	35.28	33.96	74.57	90.20	105.94
Central Luzon	8.00	18.00	30.00	22.87	24.17	25.00
CALABARZON	32.65	26.71	34.83	33.86	37.32	26.05
MIMAROPA	17.38	16.70	16.66	15.61	14.79	14.42
Bicol Region	2.42	6.09	7.70	14.55	13.84	14.33
Western Visayas	13.99	16.82	23.07	23.46	29.33	17.53
Central Visayas	2.00	2.00	2.51	2.91	3.34	3.63
Eastern Visayas	16.83	17.40	15.15	19.07	15.61	14.93
Zamboanga Peninsula	23.94	40.26	50.87	38.35	35.15	18.58
Northern Mindanao	17.91	18.13	18.85	18.86	20.94	11.74
Davao Region	17.62	17.56	40.10	32.42	44.87	24.33
SOCCSKSARGEN	29.16	42.01	41.66	24.47	41.94	12.93
Caraga	21.33	24.09	10.39	10.30	8.72	9.11
ARMM	9.31	9.03	7.86	5.13	5.81	4.24

Table 3.12 TAMARIND FRUIT: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**14,964**	**13,408**	**13,562**	**12,491**	**11,804**	**11,052**
CAR	-	-	-	-	12	13
Ilocos Region	2,308	2,280	2,700	2,722	2,635	2,568
Cagayan Valley	6,425	5,176	4,648	4,105	3,796	3,555
Central Luzon	2,788	2,128	2,216	2,200	2,148	1,857
CALABARZON	362	361	332	261	161	156
MIMAROPA	194	214	214	205	190	191
Bicol Region	168	166	166	155	148	157
Western Visayas	58	68	77	81	92	93
Central Visayas	681	948	1,052	768	624	484
Eastern Visayas	41	43	44	44	48	49
Zamboanga Peninsula	241	313	331	305	295	269
Northern Mindanao	44	40	80	62	62	58
Davao Region	1,360	1,376	1,402	1,312	1,332	1,329
SOCCSKSARGEN	271	267	272	245	241	252
Caraga	13	13	12	13	13	13
ARMM	9	15	15	10	9	9
Area (Ha)						
PHILIPPINES	**2,722**	**2,740**	**2,738**	**2,736**	**2,690**	**2,681**
CAR	-	-	-	-	10	10
Ilocos Region	1,218	1,218	1,216	1,215	1,169	1,167
Cagayan Valley	369	367	358	358	355	355
Central Luzon	166	173	178	189	190	188
CALABARZON	113	113	107	106	101	101
MIMAROPA	94	94	100	101	99	97
Bicol Region	88	88	88	85	85	82
Western Visayas	134	132	132	132	135	134
Central Visayas	232	237	236	231	226	224
Eastern Visayas	22	23	24	24	27	29
Zamboanga Peninsula	96	102	102	98	97	98
Northern Mindanao	12	12	10	10	9	9
Davao Region	132	135	135	134	134	133
SOCCSKSARGEN	36	36	41	42	42	43
Caraga	6	6	6	6	6	6
ARMM	4	4	5	5	5	5
Yield Per Hectare (mt)						
PHILIPPINES	**5.50**	**4.89**	**4.95**	**4.57**	**4.39**	**4.12**
CAR					1.24	1.27
Ilocos Region	1.90	1.87	2.22	2.24	2.25	2.20
Cagayan Valley	17.41	14.10	12.98	11.47	10.69	10.02
Central Luzon	16.80	12.30	12.45	11.64	11.31	9.88
CALABARZON	3.20	3.19	3.10	2.46	1.59	1.54
MIMAROPA	2.06	2.27	2.13	2.03	1.91	1.97
Bicol Region	1.91	1.88	1.89	1.83	1.74	1.92
Western Visayas	0.43	0.52	0.59	0.61	0.68	0.69
Central Visayas	2.94	4.00	4.46	3.32	2.76	2.16
Eastern Visayas	1.88	1.86	1.85	1.83	1.78	1.69
Zamboanga Peninsula	2.51	3.07	3.25	3.12	3.04	2.75
Northern Mindanao	3.68	3.33	8.18	6.24	7.26	6.76
Davao Region	10.31	10.19	10.38	9.79	9.94	9.97
SOCCSKSARGEN	7.53	7.41	6.64	5.83	5.74	5.87
Caraga	2.18	2.15	2.06	2.15	2.09	2.13
ARMM	2.14	3.69	2.99	2.08	1.74	1.76

Table 3.12a TAMARIND FRUIT: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
BEARING TREES (no.)						
PHILIPPINES	**159,369**	**155,749**	**155,805**	**153,821**	**154,331**	**151,398**
CAR					1,350	1,382
Ilocos Region	64,774	64,714	64,148	64,161	63,998	61,428
Cagayan Valley	31,685	27,830	26,680	26,205	26,205	26,178
Central Luzon	9,375	9,195	10,340	10,715	10,365	10,210
CALABARZON	7,340	7,064	6,688	6,560	6,070	6,117
MIMAROPA	4,565	4,555	4,661	4,667	4,560	4,610
Bicol Region	4,337	4,337	4,340	4,346	4,276	4,280
Western Visayas	9,463	9,461	9,751	9,427	9,544	9,439
Central Visayas	9,174	9,174	9,484	7,454	7,514	7,454
Eastern Visayas	1,129	1,144	1,149	1,157	1,387	1,412
Zamboanga Peninsula	5,476	5,702	5,846	6,315	6,406	6,326
Northern Mindanao	692	702	722	817	762	707
Davao Region	8,652	9,175	9,236	9,172	8,884	8,820
SOCCSKSARGEN	2,115	2,085	2,100	2,170	2,325	2,360
Caraga	380	380	380	385	415	405
ARMM	212	231	280	270	270	270
PLANTING DENSITY (Btrees/ha)						
PHILIPPINES	**59**	**57**	**57**	**56**	**57**	**56**
CAR					135	138
Ilocos Region	53	53	53	53	55	53
Cagayan Valley	86	76	75	73	74	74
Central Luzon	56	53	58	57	55	54
CALABARZON	65	63	63	62	60	61
MIMAROPA	49	48	47	46	46	48
Bicol Region	49	49	49	51	50	52
Western Visayas	71	72	74	71	71	70
Central Visayas	40	39	40	32	33	33
Eastern Visayas	51	50	48	48	51	48
Zamboanga Peninsula	57	56	57	64	66	65
Northern Mindanao	58	59	74	82	90	83
Davao Region	66	68	68	68	66	66
SOCCSKSARGEN	59	58	51	52	55	55
Caraga	63	63	63	64	69	68
ARMM	53	58	56	54	54	54
YIELD PER BEARING TREE (kg)						
PHILIPPINES	**93.89**	**86.08**	**87.04**	**81.20**	**76.49**	**73.00**
CAR					9.15	9.17
Ilocos Region	35.64	35.24	42.09	42.43	41.17	41.80
Cagayan Valley	202.76	186.00	174.22	156.64	144.86	135.82
Central Luzon	297.43	231.43	214.29	205.35	207.23	181.84
CALABARZON	49.34	51.10	49.68	39.77	26.53	25.45
MIMAROPA	42.47	46.89	45.81	44.02	41.56	41.54
Bicol Region	38.71	38.22	38.25	35.75	34.52	36.76
Western Visayas	6.08	7.17	7.93	8.55	9.62	9.81
Central Visayas	74.26	103.36	110.94	103.03	83.00	64.94
Eastern Visayas	36.67	37.38	38.15	37.98	34.84	34.98
Zamboanga Peninsula	44.05	54.96	56.69	48.37	46.01	42.59
Northern Mindanao	63.05	56.61	110.58	76.36	81.06	81.33
Davao Region	157.23	149.99	151.76	143.09	149.95	150.63
SOCCSKSARGEN	128.23	127.99	129.71	112.87	103.65	106.89
Caraga	34.45	34.05	32.71	34.81	30.24	31.58
ARMM	42.45	63.81	53.32	38.44	32.22	32.59

Table 3.13 WATERMELON: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**92,498**	**107,057**	**115,075**	**117,254**	**125,863**	**103,248**
CAR	400	406	402	366	372	373
Ilocos Region	37,935	39,167	39,357	35,759	32,536	27,504
Cagayan Valley	2,243	2,178	2,277	6,213	12,706	13,499
Central Luzon	7,808	9,827	10,588	10,577	12,109	7,171
CALABARZON	1,593	5,112	3,615	3,146	3,672	3,142
MIMAROPA	2,004	2,107	2,153	2,009	2,028	2,101
Bicol Region	5,500	4,959	7,256	7,455	8,002	4,053
Western Visayas	27,849	35,803	40,632	42,781	44,663	36,098
Central Visayas	299	412	776	982	1,050	1,398
Eastern Visayas	606	622	650	643	676	681
Zamboanga Peninsula	1,020	1,042	1,133	1,149	1,152	889
Northern Mindanao	906	920	996	1,015	1,158	1,011
Davao Region	654	695	758	764	995	1,037
SOCCSKSARGEN	1,039	1,082	1,628	1,529	1,671	1,352
Caraga	2,506	2,556	2,695	2,710	2,919	2,814
ARMM	135	170	159	156	152	127
Area (Ha)						
PHILIPPINES	**5,316**	**5,779**	**6,545**	**6,910**	**7,234**	**6,246**
CAR	26	26	26	20	20	20
Ilocos Region	1,253	1,261	1,268	1,257	1,166	1,033
Cagayan Valley	260	285	249	459	670	701
Central Luzon	854	986	1,183	1,368	1,466	1,040
CALABARZON	156	281	214	207	220	224
MIMAROPA	193	186	190	176	183	193
Bicol Region	349	344	383	347	393	158
Western Visayas	1,127	1,322	1,843	1,877	1,835	1,646
Central Visayas	15	19	36	38	45	52
Eastern Visayas	93	95	96	93	100	104
Zamboanga Peninsula	160	160	178	170	153	143
Northern Mindanao	235	195	203	207	226	221
Davao Region	71	79	90	93	132	129
SOCCSKSARGEN	114	123	176	176	194	163
Caraga	347	350	351	369	366	352
ARMM	64	68	61	54	66	68
Yield Per Hectare (mt)						
PHILIPPINES	**17.40**	**18.52**	**17.58**	**16.97**	**17.40**	**16.53**
CAR	15.39	15.61	15.47	18.31	18.61	18.64
Ilocos Region	30.27	31.07	31.04	28.45	27.89	26.63
Cagayan Valley	8.63	7.64	9.14	13.54	18.96	19.26
Central Luzon	9.14	9.97	8.95	7.73	8.26	6.90
CALABARZON	10.24	18.19	16.89	15.20	16.69	14.03
MIMAROPA	10.38	11.33	11.33	11.42	11.07	10.91
Bicol Region	15.76	14.41	18.95	21.52	20.36	25.60
Western Visayas	24.71	27.08	22.05	22.79	24.34	21.93
Central Visayas	19.95	21.68	21.81	25.71	23.55	26.75
Eastern Visayas	6.52	6.55	6.77	6.89	6.74	6.58
Zamboanga Peninsula	6.37	6.52	6.38	6.76	7.56	6.22
Northern Mindanao	3.85	4.73	4.92	4.91	5.14	4.58
Davao Region	9.26	8.79	8.43	8.22	7.54	8.07
SOCCSKSARGEN	9.12	8.80	9.27	8.69	8.61	8.30
Caraga	7.22	7.30	7.68	7.34	7.97	7.99
ARMM	2.11	2.49	2.61	2.88	2.30	1.87

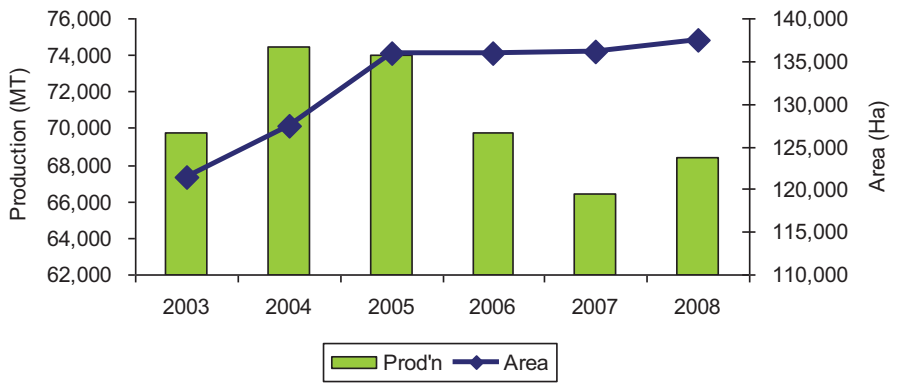
C. NON-FOOD & INDUSTRIAL CROPS

HIGHLIGHTS

ABACA

In 2008, abaca production increased by 2.93 percent to 68.39 thousand mt from 66.44 thousand mt in 2007 (Figure 1). The gain in output was attributed to the recovery of abaca farms in Bicol Region which were previously hit by typhoons Milenyo and Reming and the satisfactory price of abaca fibers in Davao Region. Area planted to abaca also increased by 2.51 percent annually from 121.48 thousand hectares in 2003 to 137.52 thousand hectares in 2008.

Figure 1. Abaca: Production and Area, Philippines, 2003-2008



Eastern Visayas remained as the top abaca producer in 2008 with 23.78 thousand mt or 34 percent of the country's total production. The other major producers were Bicol Region with 18.36 thousand mt or 27 percent share; and Davao Region with 10.25 thousand mt or 15 percent contribution to the country's production (Figure 2).

Figure 2. Abaca: Top Producing Regions, Philippines, 2008

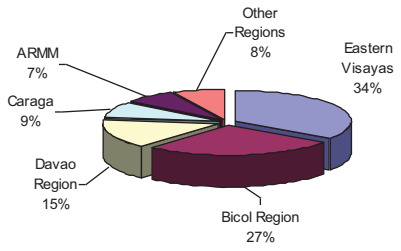


Table 4.1 ABACA: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**69,765**	**74,465**	**74,014**	**69,802**	**66,437**	**68,386**
CAR			7	14	14	13
Ilocos Region						
Cagayan Valley						
Central Luzon	6	13	31	48	53	80
CALABARZON				37	52	24
MIMAROPA	35	38	55	67	69	72
Bicol Region	20,243	21,947	19,934	20,328	17,145	18,363
Western Visayas	851	790	1,131	1,579	1,338	1,679
Central Visayas	191	311	605	390	470	731
Eastern Visayas	29,261	27,250	29,117	25,788	24,752	23,779
Zamboanga Peninsula	123	113	148	113	221	177
Northern Mindanao	1,140	1,267	1,766	1,553	1,569	1,615
Davao Region	9,197	12,186	10,296	8,901	9,554	10,247
SOCCSKSARGEN	985	816	866	709	727	741
Caraga	3,785	4,843	5,578	5,674	5,835	6,084
ARMM	3,948	4,892	4,480	4,602	4,638	4,779
Area (Ha)						
PHILIPPINES	**121,476**	**127,461**	**135,966**	**135,883**	**136,049**	**137,520**
CAR			800	800	600	870
Ilocos Region			1	1		
Cagayan Valley						
Central Luzon	191	184	234	434	480	508
CALABARZON	26	26	26	109	199	294
MIMAROPA	608	850	1,119	1,134	1,122	1,127
Bicol Region	43,318	42,181	42,832	42,832	42,663	42,662
Western Visayas	3,515	3,824	4,260	4,151	4,020	4,001
Central Visayas	2,561	2,707	3,084	3,084	3,087	3,097
Eastern Visayas	38,665	42,069	44,952	44,777	45,068	44,943
Zamboanga Peninsula	1,065	1,645	1,728	1,874	1,885	1,869
Northern Mindanao	4,403	4,822	4,971	4,988	4,993	4,990
Davao Region	9,776	10,477	10,953	10,088	10,120	10,777
SOCCSKSARGEN	2,827	3,332	3,894	3,949	4,018	4,555
Caraga	6,301	7,746	9,181	9,735	9,891	9,912
ARMM	8,219	7,599	7,930	7,927	7,902	7,914
Yield Per Hectare (mt)						
PHILIPPINES	**0.57**	**0.58**	**0.54**	**0.51**	**0.49**	**0.50**
CAR			0.01	0.02	0.02	0.02
Ilocos Region						
Cagayan Valley						
Central Luzon	0.03	0.07	0.13	0.11	0.11	0.16
CALABARZON				0.34	0.26	0.08
MIMAROPA	0.06	0.04	0.05	0.06	0.06	0.06
Bicol Region	0.47	0.52	0.47	0.47	0.40	0.43
Western Visayas	0.24	0.21	0.27	0.38	0.33	0.42
Central Visayas	0.07	0.11	0.20	0.13	0.15	0.24
Eastern Visayas	0.76	0.65	0.65	0.58	0.55	0.53
Zamboanga Peninsula	0.12	0.07	0.09	0.06	0.12	0.09
Northern Mindanao	0.26	0.26	0.36	0.31	0.31	0.32
Davao Region	0.94	1.16	0.94	0.88	0.94	0.95
SOCCSKSARGEN	0.35	0.24	0.22	0.18	0.18	0.16
Caraga	0.60	0.63	0.61	0.58	0.59	0.61
ARMM	0.48	0.64	0.56	0.58	0.59	0.60

HIGHLIGHTS

CACAO

Cacao production decreased continuously by an annual average rate of 1.99 percent from 2003 to 2008 (Figure 1). Corresponding annual decreases were noted in area planted by 2.11 percent on average; number of bearing trees, 0.77 percent; and yield per bearing tree, 1.23 percent. In 2008, production was 5.15 thousand mt, 1.69 percent lower than the 5.24 thousand mt in 2007. The declining output was due to shifting to high value crops like banana in Davao del Sur, the top producing province.

Figure 1. Cacao: Production, Area and Number of Bearing trees, Philippines, 2003-2008

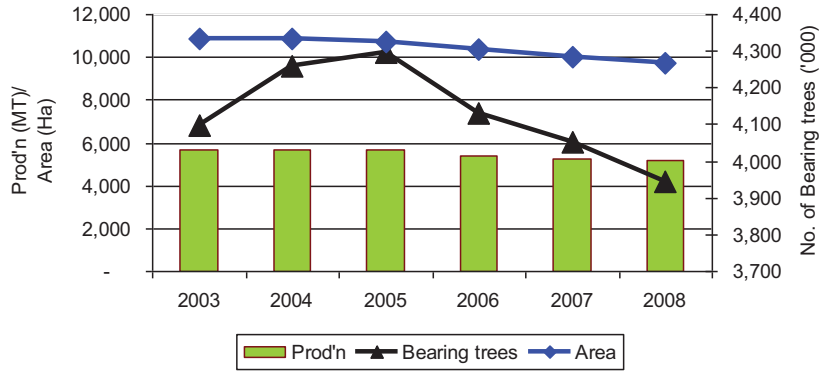
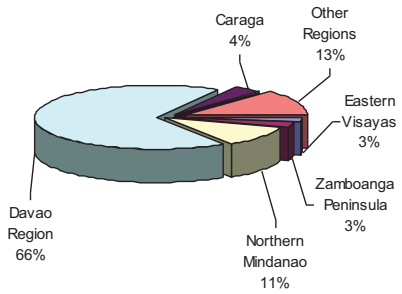


Figure 2 . Cacao: Top Producing Regions, Philippines, 2008



The other top producing region in 2008 were Davao Region with 66 percent of the national output; Northern Mindanao with a share of 11 percent; Caraga, 4 percent; and Eastern Visayas and Zamboanga Peninsula with shares of 3 percent each (Figure 2).

Table 4.2 CACAO: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**5,693**	**5,648**	**5,679**	**5,415**	**5,237**	**5,149**
CAR	13	13	13	14	14	13
Ilocos Region	54	53	47	48	48	50
Cagayan Valley	100	96	60	92	104	109
Central Luzon	26	37	46	37	38	40
CALABARZON	54	53	45	38	26	23
MIMAROPA	37	35	35	33	40	44
Bicol Region	30	37	34	33	23	29
Western Visayas	103	98	93	91	80	77
Central Visayas	80	78	73	72	72	65
Eastern Visayas	129	131	135	131	131	129
Zamboanga Peninsula	162	157	151	150	142	135
Northern Mindanao	490	482	498	547	549	551
Davao Region	3,780	3,758	3,882	3,598	3,476	3,470
SOCCSKSARGEN	122	112	106	98	86	83
Caraga	357	358	330	308	288	213
ARMM	156	152	130	125	121	118
Area (Ha)						
PHILIPPINES	**10,846**	**10,845**	**10,719**	**10,354**	**9,985**	**9,751**
CAR	26	27	26	28	26	26
Ilocos Region	81	81	74	75	74	74
Cagayan Valley	238	238	248	179	181	216
Central Luzon	32	32	30	34	34	33
CALABARZON	454	452	397	375	350	340
MIMAROPA	67	67	64	64	75	74
Bicol Region	347	355	302	291	284	284
Western Visayas	143	140	132	129	124	123
Central Visayas	167	167	155	155	156	155
Eastern Visayas	397	401	405	400	397	395
Zamboanga Peninsula	776	757	705	630	604	527
Northern Mindanao	1,086	1,041	952	949	975	941
Davao Region	4,793	4,961	5,117	5,058	5,011	4,945
SOCCSKSARGEN	221	182	172	159	143	137
Caraga	978	956	951	940	875	855
ARMM	1,040	988	988	888	675	625
Yield Per Hectare (mt)						
PHILIPPINES	**0.52**	**0.52**	**0.53**	**0.52**	**0.52**	**0.53**
CAR	0.51	0.48	0.52	0.49	0.54	0.51
Ilocos Region	0.66	0.65	0.64	0.64	0.64	0.67
Cagayan Valley	0.42	0.40	0.24	0.51	0.58	0.50
Central Luzon	0.81	1.14	1.53	1.09	1.12	1.20
CALABARZON	0.12	0.12	0.11	0.10	0.07	0.07
MIMAROPA	0.55	0.52	0.54	0.52	0.53	0.59
Bicol Region	0.09	0.10	0.11	0.11	0.08	0.10
Western Visayas	0.72	0.70	0.71	0.71	0.64	0.63
Central Visayas	0.48	0.47	0.47	0.46	0.46	0.42
Eastern Visayas	0.32	0.33	0.33	0.33	0.33	0.33
Zamboanga Peninsula	0.21	0.21	0.21	0.24	0.23	0.26
Northern Mindanao	0.45	0.46	0.52	0.58	0.56	0.59
Davao Region	0.79	0.76	0.76	0.71	0.69	0.70
SOCCSKSARGEN	0.55	0.62	0.62	0.62	0.60	0.61
Caraga	0.36	0.37	0.35	0.33	0.33	0.25
ARMM	0.15	0.15	0.13	0.14	0.18	0.19

Table 4.2a CACAO: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
BEARING TREES (no.)						
PHILIPPINES	**4,098,567**	**4,257,821**	**4,295,279**	**4,129,905**	**4,050,124**	**3,942,957**
CAR	11,119	10,554	11,758	11,600	12,569	12,574
Ilocos Region	18,118	17,907	17,623	17,733	17,521	17,521
Cagayan Valley	74,755	73,857	71,777	75,417	71,661	72,560
Central Luzon	13,473	13,573	15,065	20,100	19,500	19,500
CALABARZON	76,958	76,725	62,845	58,570	48,496	46,496
MIMAROPA	24,243	24,248	23,365	22,418	25,315	26,701
Bicol Region	67,797	68,090	60,166	59,053	56,836	56,836
Western Visayas	60,830	60,291	58,311	57,097	56,015	55,422
Central Visayas	66,954	66,909	63,699	63,284	61,673	61,423
Eastern Visayas	159,857	160,863	162,191	155,887	153,147	152,450
Zamboanga Peninsula	124,440	120,369	119,025	101,418	98,730	93,464
Northern Mindanao	496,603	495,631	484,467	483,002	482,602	482,155
Davao Region	2,448,075	2,641,268	2,731,722	2,570,134	2,538,305	2,460,190
SOCCSKSARGEN	103,629	85,877	75,569	66,579	59,508	57,519
Caraga	259,535	254,088	253,670	252,190	252,850	237,755
ARMM	92,181	87,571	84,026	115,423	95,396	90,391
PLANTING DENSITY (Btrees/ha)						
PHILIPPINES	**378**	**393**	**401**	**399**	**406**	**404**
CAR	426	391	452	414	483	484
Ilocos Region	224	221	238	237	235	235
Cagayan Valley	314	310	289	421	396	336
Central Luzon	421	424	502	591	574	591
CALABARZON	170	170	158	156	139	137
MIMAROPA	362	362	365	352	338	359
Bicol Region	195	192	199	203	200	200
Western Visayas	425	431	440	442	451	451
Central Visayas	401	401	411	408	395	396
Eastern Visayas	403	401	400	390	386	386
Zamboanga Peninsula	160	159	169	161	163	177
Northern Mindanao	457	476	509	509	495	512
Davao Region	511	532	534	508	507	498
SOCCSKSARGEN	469	472	439	419	416	420
Caraga	265	266	267	268	289	278
ARMM	89	89	85	130	141	145
YIELD PER BEARING TREE (kg)						
PHILIPPINES	**1.39**	**1.33**	**1.32**	**1.31**	**1.29**	**1.31**
CAR	1.20	1.22	1.14	1.18	1.12	1.06
Ilocos Region	2.97	2.95	2.69	2.70	2.72	2.87
Cagayan Valley	1.34	1.30	0.84	1.22	1.45	1.50
Central Luzon	1.91	2.69	3.05	1.84	1.95	2.03
CALABARZON	0.70	0.68	0.71	0.65	0.53	0.49
MIMAROPA	1.52	1.43	1.48	1.48	1.57	1.65
Bicol Region	0.45	0.55	0.57	0.56	0.40	0.51
Western Visayas	1.69	1.62	1.60	1.60	1.43	1.39
Central Visayas	1.20	1.17	1.15	1.14	1.17	1.05
Eastern Visayas	0.81	0.81	0.83	0.84	0.86	0.85
Zamboanga Peninsula	1.30	1.31	1.27	1.48	1.48	1.45
Northern Mindanao	0.99	0.97	1.03	1.13	1.14	1.14
Davao Region	1.54	1.42	1.42	1.40	1.40	1.41
SOCCSKSARGEN	1.18	1.30	1.40	1.47	1.45	1.45
Caraga	1.37	1.41	1.30	1.22	1.14	0.90
ARMM	1.69	1.73	1.54	1.08	1.27	1.31

HIGHLIGHTS

CASHEW

Between 2003 to 2008, cashew production was highest in 2004. It declined annually by an average of 0.99 percent, from 117 thousand mt in 2004 to 112 thousand mt in 2008 (Figure 1). Area planted to cashew decreased at the rate of 0.23 percent annually from 27.84 thousand hectares in 2003 to 27.52 thousand hectares in 2008. The number of bearing trees was highest in 2005 at 3.52 million trees but decreased annually by 0.30 percent to 3.49 million trees in 2008. MIMAROPA, the top producer of cashew, contributed 91.82 percent to the country's production in 2008 (Figure 2).

Figure 1. Cashew: Production, Area and Bearing trees, Philippines, 2003-2008

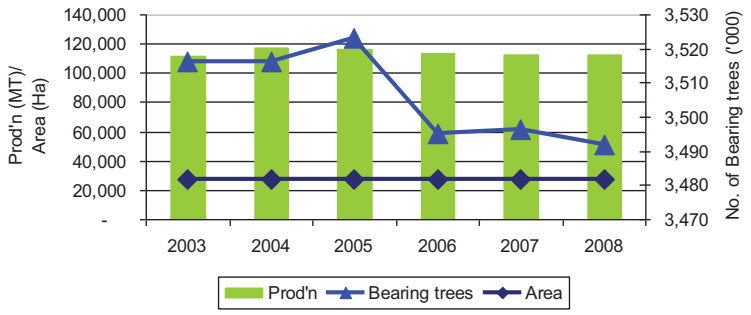


Figure 2. Cashew: Top Producing Regions, Philippines, 2008

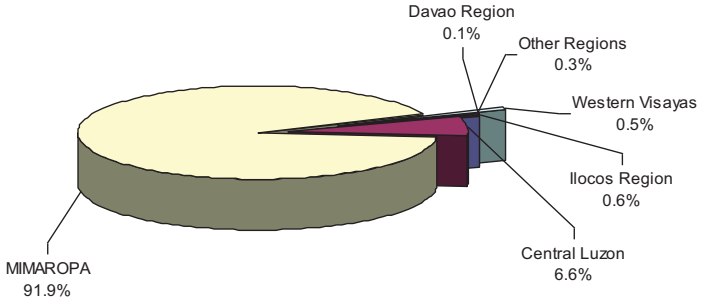


Table 4.3 CASHEW: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**111,291**	**116,910**	**116,533**	**113,071**	**112,558**	**112,334**
CAR	-	-	-	-	-	1
Ilocos Region	604	589	590	618	668	700
Cagayan Valley	78	99	89	86	79	70
Central Luzon	7,979	8,294	8,187	7,928	7,448	7,358
CALABARZON	237	246	215	97	75	52
MIMAROPA	100,592	106,353	106,201	103,252	103,261	103,263
Bicol Region	5	5	5	5	4	4
Western Visayas	649	674	673	600	600	563
Central Visayas	127	129	128	127	119	70
Eastern Visayas	-	-	-	-	-	-
Zamboanga Peninsula	11	13	14	15	15	14
Northern Mindanao	785	298	236	176	132	97
Davao Region	162	156	144	139	133	116
SOCCSKSARGEN	20	18	17	16	15	14
Caraga	42	36	34	13	10	12
ARMM	0.5	0.5	0.3	0.2	0.2	0.2
Area (Ha)						
PHILIPPINES	**27,835**	**27,802**	**27,683**	**27,610**	**27,574**	**27,517**
CAR	-	-	-	-	-	2
Ilocos Region	500	495	496	494	490	486
Cagayan Valley	45	45	44	44	36	35
Central Luzon	1,737	1,732	1,632	1,612	1,612	1,575
CALABARZON	88	91	90	50	37	32
MIMAROPA	24,346	24,392	24,392	24,395	24,405	24,410
Bicol Region	3	3	3	3	3	3
Western Visayas	418	419	416	419	419	428
Central Visayas	21	21	21	21	22	20
Eastern Visayas	-	-	-	-	-	-
Zamboanga Peninsula	39	40	40	40	40	39
Northern Mindanao	318	167	157	157	137	137
Davao Region	266	342	341	324	322	302
SOCCSKSARGEN	16	16	12	12	12	11
Caraga	37	37	37	37	37	35
ARMM	1	2	2	2	2	2
Yield Per Hectare (mt)						
PHILIPPINES	**4.00**	**4.21**	**4.21**	**4.10**	**4.08**	**4.08**
CAR						0.65
Ilocos Region	1.21	1.19	1.19	1.25	1.36	1.44
Cagayan Valley	1.73	2.20	2.02	1.95	2.20	2.00
Central Luzon	4.59	4.79	5.02	4.92	4.62	4.67
CALABARZON	2.69	2.70	2.39	1.95	2.02	1.64
MIMAROPA	4.13	4.36	4.35	4.23	4.23	4.23
Bicol Region	1.78	1.74	1.77	1.62	1.25	1.28
Western Visayas	1.55	1.61	1.62	1.43	1.43	1.32
Central Visayas	6.06	6.15	6.10	6.02	5.42	3.48
Eastern Visayas						
Zamboanga Peninsula	0.27	0.33	0.35	0.38	0.39	0.36
Northern Mindanao	2.47	1.78	1.50	1.12	0.96	0.71
Davao Region	0.61	0.46	0.42	0.43	0.41	0.38
SOCCSKSARGEN	1.22	1.14	1.43	1.30	1.22	1.27
Caraga	1.13	0.97	0.93	0.34	0.28	0.35
ARMM	0.48	0.23	0.15	0.10	0.10	0.10

Table 4.3a CASHEW: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2003-2008

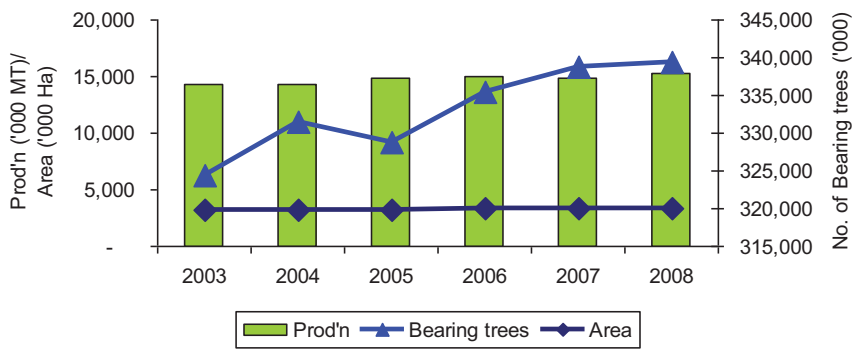
Region	2003	2004	2005	2006	2007	2008
BEARING TREES (no.)						
PHILIPPINES	**3,516,080**	**3,516,314**	**3,522,996**	**3,495,138**	**3,496,379**	**3,491,813**
CAR	-	-	-	-	-	275
Ilocos Region	69,553	69,553	69,553	69,353	68,965	68,425
Cagayan Valley	4,775	4,775	4,775	4,775	4,006	3,921
Central Luzon	205,735	207,660	217,415	198,233	203,758	201,949
CALABARZON	12,687	12,698	12,498	5,890	4,159	3,230
MIMAROPA	3,084,158	3,104,774	3,104,774	3,104,899	3,105,615	3,106,000
Bicol Region	355	359	361	352	343	343
Western Visayas	60,489	60,343	59,818	60,461	60,152	60,021
Central Visayas	5,304	5,315	5,565	5,600	5,600	5,400
Eastern Visayas	-	-	-	-	-	-
Zamboanga Peninsula	1,100	3,854	4,160	3,587	3,590	3,545
Northern Mindanao	41,705	16,693	15,743	15,743	14,641	14,628
Davao Region	23,814	23,604	21,958	20,070	19,827	18,663
SOCCSKSARGEN	1,995	2,025	1,716	1,516	1,260	1,200
Caraga	4,290	4,540	4,540	4,540	4,350	4,100
ARMM	120	121	120	119	113	113
PLANTING DENSITY (Btrees/ha)						
PHILIPPINES	**126**	**126**	**127**	**127**	**127**	**127**
CAR						138
Ilocos Region	139	141	140	140	141	141
Cagayan Valley	106	106	109	109	111	112
Central Luzon	118	120	133	123	126	128
CALABARZON	144	140	139	118	112	101
MIMAROPA	127	127	127	127	127	127
Bicol Region	118	120	120	117	114	114
Western Visayas	145	144	144	144	144	140
Central Visayas	253	253	265	267	255	270
Eastern Visayas						
Zamboanga Peninsula	28	96	104	90	90	91
Northern Mindanao	131	100	100	100	107	107
Davao Region	90	69	64	62	62	62
SOCCSKSARGEN	125	127	143	126	105	109
Caraga	116	123	123	123	118	117
ARMM	120	61	60	60	57	57
YIELD PER BEARING TREE (kg)						
PHILIPPINES	**31.65**	**33.25**	**33.08**	**32.35**	**32.19**	**32.17**
CAR						4.73
Ilocos Region	8.68	8.47	8.48	8.92	9.68	10.23
Cagayan Valley	16.27	20.72	18.62	17.94	19.77	17.88
Central Luzon	38.78	39.94	37.65	39.99	36.55	36.43
CALABARZON	18.69	19.36	17.22	16.55	17.93	16.20
MIMAROPA	32.62	34.25	34.21	33.25	33.25	33.25
Bicol Region	15.00	14.54	14.74	13.85	10.93	11.20
Western Visayas	10.73	11.16	11.25	9.93	9.97	9.38
Central Visayas	23.99	24.30	23.01	22.59	21.30	12.88
Eastern Visayas						
Zamboanga Peninsula	9.73	3.45	3.39	4.25	4.30	3.92
Northern Mindanao	18.81	17.85	14.98	11.15	9.00	6.62
Davao Region	6.82	6.62	6.56	6.90	6.73	6.22
SOCCSKSARGEN	9.79	9.02	9.98	10.28	11.64	11.62
Caraga	9.71	7.89	7.57	2.77	2.37	2.99
ARMM	4.00	3.72	2.50	1.68	1.68	1.77

HIGHLIGHTS

COCONUT

Coconut production in 2008 was 15.32 million mt and recorded a 3.14 percent increase from 14.85 million mt in 2007 (Figure 1). Average yield also increased to 45.14 kilograms per bearing tree in 2008 from 43.85 kilograms per bearing tree in 2007 (Table 4.4a). These increases were about brought by the recovery of coconut trees from the devastating effects of 2006 typhoons.

Figure 1 . Coconut: Production, Area and Number of Bearing trees, Philippines, 2003-2008



The top coconut producer was Davao Region which contributed 17 percent to the national production in 2008. The other major producers were Eastern Visayas, Zamboanga Peninsula and Northern Mindanao with shares of more than 11 percent each to the national production (Figure 2).

Figure 2. Coconut: Top Producing Regions, 2008

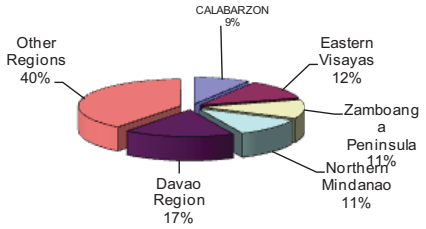


Table 4.4 COCONUT: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**14,294,203**	**14,366,184**	**14,824,585**	**14,957,910**	**14,852,927**	**15,319,527**
CAR	773	776	798	834	861	866
Ilocos Region	22,072	23,427	26,674	31,568	34,551	36,144
Cagayan Valley	48,944	56,875	66,151	75,549	79,326	77,776
Central Luzon	167,685	179,493	173,059	183,655	182,403	189,103
CALABARZON	1,554,213	1,515,605	1,483,600	1,456,735	1,247,032	1,362,852
MIMAROPA	629,356	628,285	667,150	666,398	567,161	580,603
Bicol Region	1,246,495	1,197,506	1,185,327	1,219,374	959,358	1,159,810
Western Visayas	493,256	495,004	500,013	488,401	483,067	482,736
Central Visayas	340,520	359,213	354,190	377,016	396,696	393,855
Eastern Visayas	1,737,326	1,743,178	1,764,645	1,760,079	1,778,045	1,805,072
Zamboanga Peninsula	1,262,631	1,286,013	1,637,823	1,723,659	1,766,479	1,714,907
Northern Mindanao	1,484,132	1,494,231	1,548,758	1,491,120	1,669,281	1,713,354
Davao Region	2,452,447	2,492,410	2,493,554	2,497,515	2,581,103	2,671,203
SOCCSKSARGEN	800,997	784,385	779,317	810,160	854,581	870,094
Caraga	929,556	955,382	973,115	995,136	1,010,275	1,011,096
ARMM	1,123,802	1,154,403	1,170,409	1,180,709	1,242,708	1,250,054
Area (Ha)						
PHILIPPINES	**3,216,528**	**3,258,576**	**3,243,278**	**3,337,378**	**3,359,777**	**3,379,741**
CAR	266	270	270	272	280	281
Ilocos Region	10,823	10,953	11,131	11,296	11,406	11,458
Cagayan Valley	12,024	13,609	13,611	13,613	13,618	13,650
Central Luzon	25,192	25,222	25,129	24,098	24,105	24,086
CALABARZON	352,604	353,449	343,023	342,997	343,541	343,578
MIMAROPA	149,994	153,785	155,495	156,258	160,405	161,858
Bicol Region	412,504	412,443	415,449	432,620	442,406	447,743
Western Visayas	115,620	115,183	114,402	122,573	122,573	122,785
Central Visayas	127,895	128,344	128,346	128,646	128,646	128,646
Eastern Visayas	368,535	369,795	371,642	371,670	372,497	378,968
Zamboanga Peninsula	318,279	334,977	334,984	363,530	363,624	368,365
Northern Mindanao	298,345	299,886	290,559	303,027	298,985	299,905
Davao Region	374,175	379,865	379,496	372,213	376,398	375,932
SOCCSKSARGEN	156,601	157,510	159,856	161,311	167,985	168,969
Caraga	237,738	221,938	218,628	218,882	218,932	219,102
ARMM	255,933	281,347	281,257	314,372	314,376	314,415
Yield Per Hectare (mt)						
PHILIPPINES	**4.44**	**4.41**	**4.57**	**4.48**	**4.42**	**4.53**
CAR	2.91	2.87	2.96	3.07	3.08	3.08
Ilocos Region	2.04	2.14	2.40	2.79	3.03	3.15
Cagayan Valley	4.07	4.18	4.86	5.55	5.83	5.70
Central Luzon	6.66	7.12	6.89	7.62	7.57	7.85
CALABARZON	4.41	4.29	4.33	4.25	3.63	3.97
MIMAROPA	4.20	4.09	4.29	4.26	3.54	3.59
Bicol Region	3.02	2.90	2.85	2.82	2.17	2.59
Western Visayas	4.27	4.30	4.37	3.98	3.94	3.93
Central Visayas	2.66	2.80	2.76	2.93	3.08	3.06
Eastern Visayas	4.71	4.71	4.75	4.74	4.77	4.76
Zamboanga Peninsula	3.97	3.84	4.89	4.74	4.86	4.66
Northern Mindanao	4.97	4.98	5.33	4.92	5.58	5.71
Davao Region	6.55	6.56	6.57	6.71	6.86	7.11
SOCCSKSARGEN	5.11	4.98	4.88	5.02	5.09	5.15
Caraga	3.91	4.30	4.45	4.55	4.61	4.61
ARMM	4.39	4.10	4.16	3.76	3.95	3.98

Table 4.4a COCONUT: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2003-2008

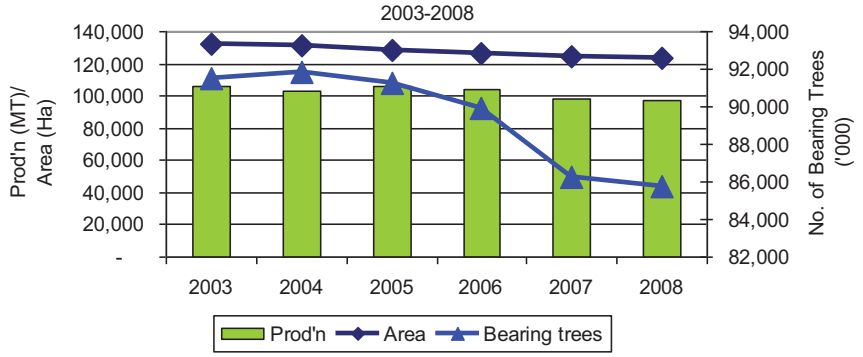
Region	2003	2004	2005	2006	2007	2008
BEARING TREES (no.)						
PHILIPPINES	**324,324,277**	**331,465,540**	**328,652,399**	**335,466,568**	**338,724,352**	**339,357,206**
CAR	32,666	32,781	32,923	32,828	33,269	33,341
Ilocos Region	806,193	841,321	851,060	888,021	891,677	894,856
Cagayan Valley	1,348,958	1,349,281	1,365,647	1,366,192	1,366,567	1,372,809
Central Luzon	2,443,572	2,438,827	2,461,795	2,353,636	2,358,895	2,359,706
CALABARZON	43,484,552	43,424,708	42,039,878	41,720,180	41,714,661	41,750,811
MIMAROPA	16,475,757	16,503,230	17,159,011	17,147,487	17,142,289	17,229,897
Bicol Region	32,679,913	33,012,116	33,127,940	34,437,381	34,452,018	33,994,462
Western Visayas	9,055,251	9,022,943	9,020,433	9,577,131	9,578,206	9,657,270
Central Visayas	12,720,513	12,575,430	12,571,671	12,558,177	12,558,177	12,620,221
Eastern Visayas	47,790,617	47,892,447	48,073,861	48,076,843	48,061,093	48,069,659
Zamboanga Peninsula	29,703,098	29,603,753	29,363,723	29,440,995	30,344,292	30,801,254
Northern Mindanao	26,022,325	29,540,248	27,696,361	31,806,636	31,813,502	32,059,787
Davao Region	37,863,328	39,703,893	39,679,420	39,154,236	39,923,065	39,880,553
SOCCSKSARGEN	11,366,380	12,527,574	13,481,166	13,644,973	14,399,330	14,515,961
Caraga	22,232,300	20,374,800	20,010,800	20,035,156	20,839,900	20,845,650
ARMM	30,298,854	32,622,188	31,716,710	33,226,696	33,247,411	33,270,969
PLANTING DENSITY (Btrees/ha)						
PHILIPPINES	**101**	**102**	**101**	**101**	**101**	**100**
CAR	123	121	122	121	119	119
Ilocos Region	74	77	76	79	78	78
Cagayan Valley	112	99	100	100	100	101
Central Luzon	97	97	98	98	98	98
CALABARZON	123	123	123	122	121	122
MIMAROPA	110	107	110	110	107	106
Bicol Region	79	80	80	80	78	76
Western Visayas	78	78	79	78	78	79
Central Visayas	99	98	98	98	98	98
Eastern Visayas	130	130	129	129	129	127
Zamboanga Peninsula	93	88	88	81	83	84
Northern Mindanao	87	99	95	105	106	107
Davao Region	101	105	105	105	106	106
SOCCSKSARGEN	73	80	84	85	86	86
Caraga	94	92	92	92	95	95
ARMM	118	116	113	106	106	106
YIELD PER BEARING TREE (kg)						
PHILIPPINES	**44.07**	**43.34**	**45.11**	**44.59**	**43.85**	**45.14**
CAR	23.67	23.66	24.23	25.41	25.88	25.97
Ilocos Region	27.38	27.85	31.34	35.55	38.75	40.39
Cagayan Valley	36.28	42.15	48.44	55.30	58.05	56.65
Central Luzon	68.62	73.60	70.30	78.03	77.33	80.14
CALABARZON	35.74	34.90	35.29	34.92	29.89	32.64
MIMAROPA	38.20	38.07	38.88	38.86	33.09	33.70
Bicol Region	38.14	36.27	35.78	35.41	27.85	34.12
Western Visayas	54.47	54.86	55.43	51.00	50.43	49.99
Central Visayas	26.77	28.56	28.17	30.02	31.59	31.21
Eastern Visayas	36.35	36.40	36.71	36.61	37.00	37.55
Zamboanga Peninsula	42.51	43.44	55.78	58.55	58.21	55.68
Northern Mindanao	57.03	50.58	55.92	46.88	52.47	53.44
Davao Region	64.77	62.77	62.84	63.79	64.65	66.98
SOCCSKSARGEN	70.47	62.61	57.81	59.37	59.35	59.94
Caraga	41.81	46.89	48.63	49.67	48.48	48.50
ARMM	37.09	35.39	36.90	35.53	37.38	37.57

HIGHLIGHTS

COFFEE

Throughout the period 2003-2008, coffee production decreased by an average annual rate of 1.74 percent (Figure 1). In 2008, coffee production was estimated at 97.43 thousand mt which was 0.46 percent lower than the 2007 production of 97.88 thousand mt. The declining production was due to the rejuvenation of farms in Davao Region, particularly, in Davao City. There was also shifting of coffee to banana and rubber production in SOCCSKSARGEN. Area planted and number of bearing trees contracted annually by 1.33 percent and 1.29 percent, respectively (Figure 1).

Figure 1. Coffee: Production, Area and Number of Bearing Trees, Philippines, 2003-2008



SOCCSKSARGEN was the top producer in 2008 and contributed 27.74 percent to the country's coffee production. The second top producer was Davao Region with 24.70 percent share to total production (Figure 2).

Fig. 2: Coffee: Top Producing Regions, Philippines, 2008

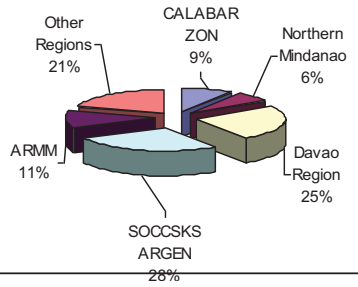
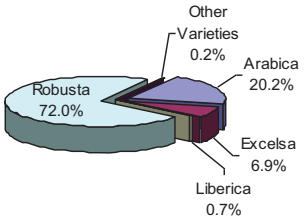


Figure 3. Coffee: Percent Contribution by Variety, Philippines, 2008



Of the coffee varieties, Robusta had the highest share of 72 percent to total production of all varieties (Figure 3).

Table 4.5 COFFEE: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**106,388**	**102,865**	**105,847**	**104,093**	**97,877**	**97,428**
CAR	5,766	5,622	6,010	6,346	6,252	5,950
Ilocos Region	72	75	78	85	88	98
Cagayan Valley	2,087	1,550	677	1,040	1,062	1,080
Central Luzon	1,778	1,708	1,627	1,534	1,591	1,673
CALABARZON	12,953	12,324	10,806	10,276	8,819	9,132
MIMAROPA	214	203	202	205	206	207
Bicol Region	497	418	382	366	340	339
Western Visayas	6,241	6,336	6,095	6,004	5,835	5,734
Central Visayas	742	718	585	364	314	295
Eastern Visayas	222	217	212	207	197	247
Zamboanga Peninsula	1,347	1,356	1,372	1,368	1,337	1,314
Northern Mindanao	6,201	6,108	6,037	6,292	6,287	6,203
Davao Region	33,162	30,586	29,769	28,839	24,466	24,066
SOCCSKSARGEN	19,875	20,814	27,187	27,047	27,123	27,022
Caraga	4,291	4,312	3,850	3,120	3,115	3,147
ARMM	10,941	10,517	10,958	11,000	10,844	10,922
Area (Ha)						
PHILIPPINES	**131,790**	**131,206**	**127,975**	**126,063**	**123,975**	**123,269**
CAR	7,628	7,778	7,781	7,780	7,581	7,270
Ilocos Region	112	113	112	111	107	120
Cagayan Valley	3,646	3,332	2,882	2,861	2,863	2,863
Central Luzon	1,643	1,617	1,867	1,857	1,867	1,897
CALABARZON	16,766	16,645	15,558	15,296	14,780	14,650
MIMAROPA	957	952	948	942	942	935
Bicol Region	1,019	1,033	898	859	867	867
Western Visayas	10,108	10,133	10,086	10,085	10,087	10,133
Central Visayas	1,647	1,646	1,465	1,422	1,412	1,255
Eastern Visayas	406	414	422	411	411	411
Zamboanga Peninsula	1,657	1,594	1,498	1,471	1,444	1,406
Northern Mindanao	13,315	13,301	13,220	13,216	13,218	13,137
Davao Region	29,959	29,684	28,362	27,735	26,677	26,633
SOCCSKSARGEN	24,495	24,536	24,597	24,057	23,930	23,919
Caraga	4,837	4,827	4,677	4,354	4,061	4,047
ARMM	13,595	13,600	13,603	13,605	13,728	13,725
Yield Per Hectare (mt)						
PHILIPPINES	**0.81**	**0.78**	**0.83**	**0.83**	**0.79**	**0.79**
CAR	0.76	0.72	0.77	0.82	0.82	0.82
Ilocos Region	0.64	0.66	0.70	0.76	0.82	0.81
Cagayan Valley	0.57	0.47	0.24	0.36	0.37	0.38
Central Luzon	1.08	1.06	0.87	0.83	0.85	0.88
CALABARZON	0.77	0.74	0.69	0.67	0.60	0.62
MIMAROPA	0.22	0.21	0.21	0.22	0.22	0.22
Bicol Region	0.49	0.40	0.43	0.43	0.39	0.39
Western Visayas	0.62	0.63	0.60	0.60	0.58	0.57
Central Visayas	0.45	0.44	0.40	0.26	0.22	0.24
Eastern Visayas	0.55	0.52	0.50	0.50	0.48	0.60
Zamboanga Peninsula	0.81	0.85	0.92	0.93	0.93	0.93
Northern Mindanao	0.47	0.46	0.46	0.48	0.48	0.47
Davao Region	1.11	1.03	1.05	1.04	0.92	0.90
SOCCSKSARGEN	0.81	0.85	1.11	1.12	1.13	1.13
Caraga	0.89	0.89	0.82	0.72	0.77	0.78
ARMM	0.80	0.77	0.81	0.81	0.79	0.80

Table 4.5a COFFEE: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
BEARING TREES (no.)						
PHILIPPINES	**91,522,202**	**91,866,361**	**91,253,539**	**89,883,642**	**86,214,597**	**85,757,726**
CAR	4,714,256	4,819,151	4,868,371	4,867,698	4,779,615	4,620,760
Ilocos Region	73,804	74,461	62,553	63,353	62,424	68,105
Cagayan Valley	2,545,839	2,258,568	1,905,528	1,846,863	1,847,203	1,846,870
Central Luzon	1,137,750	1,115,595	1,270,600	1,227,801	1,311,074	1,271,276
CALABARZON	14,395,485	14,311,874	13,521,824	13,418,661	10,702,962	10,593,632
MIMAROPA	360,788	358,212	354,684	351,765	351,129	352,084
Bicol Region	723,847	731,772	638,986	622,763	610,465	610,565
Western Visayas	6,090,739	6,116,551	6,085,905	6,084,083	6,061,738	6,058,031
Central Visayas	1,145,946	1,145,235	1,108,122	1,066,334	1,057,192	1,047,892
Eastern Visayas	212,180	212,184	213,905	211,435	210,569	212,289
Zamboanga Peninsula	861,854	822,351	794,006	835,916	826,846	810,694
Northern Mindanao	7,004,713	6,949,397	6,915,612	6,911,871	6,844,312	6,833,177
Davao Region	24,331,506	23,973,078	23,447,764	22,726,669	21,882,670	21,856,136
SOCCSKSARGEN	16,131,635	17,181,578	18,398,707	18,175,954	18,331,987	18,278,494
Caraga	3,143,533	3,145,590	2,995,415	2,785,765	2,586,500	2,583,055
ARMM	8,648,327	8,650,764	8,671,557	8,686,711	8,747,911	8,714,666
PLANTING DENSITY (Btrees/ha)						
PHILIPPINES	**694**	**700**	**713**	**713**	**695**	**696**
CAR	618	620	626	626	630	636
Ilocos Region	659	659	559	569	586	565
Cagayan Valley	698	678	661	646	645	645
Central Luzon	692	690	681	661	702	670
CALABARZON	859	860	869	877	724	723
MIMAROPA	377	376	374	373	373	377
Bicol Region	710	708	712	725	704	704
Western Visayas	603	604	603	603	601	598
Central Visayas	696	696	756	750	749	835
Eastern Visayas	523	513	507	514	512	517
Zamboanga Peninsula	520	516	530	568	573	576
Northern Mindanao	526	522	523	523	518	520
Davao Region	812	808	827	819	820	821
SOCCSKSARGEN	659	700	748	756	766	764
Caraga	650	652	640	640	637	638
ARMM	636	636	637	638	637	635
YIELD PER BEARING TREE (kg)						
PHILIPPINES	**1.16**	**1.12**	**1.16**	**1.16**	**1.14**	**1.14**
CAR	1.22	1.17	1.23	1.30	1.31	1.29
Ilocos Region	0.97	1.01	1.25	1.34	1.40	1.43
Cagayan Valley	0.82	0.69	0.36	0.56	0.58	0.58
Central Luzon	1.56	1.53	1.28	1.25	1.21	1.32
CALABARZON	0.90	0.86	0.80	0.77	0.82	0.86
MIMAROPA	0.59	0.57	0.57	0.58	0.59	0.59
Bicol Region	0.69	0.57	0.60	0.59	0.56	0.56
Western Visayas	1.02	1.04	1.00	0.99	0.96	0.95
Central Visayas	0.65	0.63	0.53	0.34	0.30	0.28
Eastern Visayas	1.05	1.02	0.99	0.98	0.94	1.16
Zamboanga Peninsula	1.56	1.65	1.73	1.64	1.62	1.62
Northern Mindanao	0.89	0.88	0.87	0.91	0.92	0.91
Davao Region	1.36	1.28	1.27	1.27	1.12	1.10
SOCCSKSARGEN	1.23	1.21	1.48	1.49	1.48	1.48
Caraga	1.37	1.37	1.29	1.12	1.20	1.22
ARMM	1.27	1.22	1.26	1.27	1.24	1.25

Table 4.5.1 COFFEE ARABICA: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**20,171**	**18,717**	**20,672**	**20,315**	**19,739**	**19,677**
CAR	556	519	524	522	533	535
Ilocos Region	19	21	23	27	30	33
Cagayan Valley	481	276	153	209	217	216
Central Luzon	9	6	6	5	6	6
CALABARZON	275	271	188	155	88	91
MIMAROPA	8	8	8	8	7	7
Bicol Region	101	92	83	85	74	75
Western Visayas	980	981	962	956	935	913
Central Visayas	115	107	82	48	39	37
Eastern Visayas	83	82	80	78	73	71
Zamboanga Peninsula	535	642	653	643	623	594
Northern Mindanao	201	190	420	408	399	395
Davao Region	4,607	4,217	4,143	3,805	3,216	3,152
SOCCSKSARGEN	10,490	9,678	11,622	11,625	11,778	11,804
Caraga	2	2	2	2	3	3
ARMM	1,709	1,628	1,725	1,738	1,719	1,745
Area (Ha)						
PHILIPPINES	**21,475**	**21,226**	**21,011**	**20,804**	**20,008**	**19,977**
CAR	555	555	557	558	575	578
Ilocos Region	25	25	26	26	25	24
Cagayan Valley	675	578	560	568	570	570
Central Luzon	4	3	253	258	263	263
CALABARZON	570	561	329	225	158	143
MIMAROPA	75	74	74	73	72	70
Bicol Region	291	290	286	273	272	272
Western Visayas	1,806	1,804	1,802	1,801	1,813	1,827
Central Visayas	497	497	461	514	511	511
Eastern Visayas	134	134	135	130	130	128
Zamboanga Peninsula	574	665	602	588	571	557
Northern Mindanao	414	410	579	578	607	607
Davao Region	4,960	4,763	4,627	4,531	4,014	4,007
SOCCSKSARGEN	9,095	9,071	8,923	8,881	8,628	8,610
Caraga	5	3	3	3	3	3
ARMM	1,795	1,793	1,795	1,797	1,797	1,807
Yield Per Hectare (mt)						
PHILIPPINES	**0.94**	**0.88**	**0.98**	**0.98**	**0.99**	**0.98**
CAR	1.00	0.93	0.94	0.94	0.93	0.93
Ilocos Region	0.75	0.82	0.87	1.05	1.21	1.38
Cagayan Valley	0.71	0.48	0.27	0.37	0.38	0.38
Central Luzon	2.30	2.09	0.02	0.02	0.02	0.02
CALABARZON	0.48	0.48	0.57	0.69	0.55	0.63
MIMAROPA	0.11	0.10	0.10	0.11	0.10	0.10
Bicol Region	0.35	0.32	0.29	0.31	0.27	0.28
Western Visayas	0.54	0.54	0.53	0.53	0.52	0.50
Central Visayas	0.23	0.22	0.18	0.09	0.08	0.07
Eastern Visayas	0.62	0.61	0.60	0.60	0.56	0.56
Zamboanga Peninsula	0.93	0.97	1.09	1.09	1.09	1.07
Northern Mindanao	0.48	0.46	0.72	0.71	0.66	0.65
Davao Region	0.93	0.89	0.90	0.84	0.80	0.79
SOCCSKSARGEN	1.15	1.07	1.30	1.31	1.37	1.37
Caraga	0.47	0.75	0.73	0.77	1.07	1.10
ARMM	0.95	0.91	0.96	0.97	0.96	0.97

Table 4.5.1a COFFEE ARABICA: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
BEARING TREES (no.)						
PHILIPPINES	**14,409,940**	**14,174,263**	**14,762,862**	**14,429,081**	**13,982,479**	**13,957,631**
CAR	390,387	390,109	395,090	393,046	406,531	406,967
Ilocos Region	16,805	17,219	17,691	18,435	18,623	18,354
Cagayan Valley	472,050	376,965	361,305	366,730	368,655	368,555
Central Luzon	3,800	2,850	154,100	156,775	159,925	159,930
CALABARZON	328,510	318,810	191,659	130,905	91,093	81,500
MIMAROPA	29,026	28,526	27,830	27,601	26,942	26,130
Bicol Region	217,548	212,214	209,726	206,311	201,571	201,611
Western Visayas	861,748	861,371	859,855	859,162	858,891	858,451
Central Visayas	236,786	236,479	345,529	393,171	388,570	388,570
Eastern Visayas	59,674	59,675	60,037	59,055	58,818	58,090
Zamboanga Peninsula	347,665	376,842	360,561	354,712	352,401	343,531
Northern Mindanao	251,327	229,505	308,698	307,598	303,972	303,217
Davao Region	3,833,936	3,656,992	3,795,528	3,496,867	3,099,268	3,094,661
SOCCSKSARGEN	5,891,381	5,937,460	6,206,592	6,175,887	6,164,568	6,155,168
Caraga	2,475	2,475	2,475	2,475	2,200	2,225
ARMM	1,466,822	1,466,771	1,466,186	1,480,351	1,480,451	1,490,671
PLANTING DENSITY (Btrees/ha)						
PHILIPPINES	**671**	**668**	**703**	**694**	**699**	**699**
CAR	703	703	709	704	707	704
Ilocos Region	672	689	680	715	760	763
Cagayan Valley	699	652	645	646	647	647
Central Luzon	950	950	609	608	608	608
CALABARZON	576	568	583	583	577	570
MIMAROPA	387	385	376	378	375	374
Bicol Region	748	732	733	756	741	741
Western Visayas	477	477	477	477	474	470
Central Visayas	476	476	750	765	760	760
Eastern Visayas	445	445	446	453	452	455
Zamboanga Peninsula	606	567	599	603	617	616
Northern Mindanao	607	560	533	532	501	500
Davao Region	773	768	820	772	772	772
SOCCSKSARGEN	648	655	696	695	714	715
Caraga	495	825	825	825	733	742
ARMM	817	818	817	824	824	825
YIELD PER BEARING TREE (kg)						
PHILIPPINES	**1.40**	**1.32**	**1.40**	**1.41**	**1.41**	**1.41**
CAR	1.42	1.33	1.33	1.33	1.31	1.32
Ilocos Region	1.12	1.19	1.28	1.47	1.60	1.81
Cagayan Valley	1.02	0.73	0.42	0.57	0.59	0.59
Central Luzon	2.42	2.20	0.04	0.03	0.03	0.03
CALABARZON	0.84	0.85	0.98	1.19	0.96	1.11
MIMAROPA	0.29	0.27	0.27	0.29	0.28	0.26
Bicol Region	0.47	0.43	0.40	0.41	0.37	0.37
Western Visayas	1.14	1.14	1.12	1.11	1.09	1.06
Central Visayas	0.48	0.45	0.24	0.12	0.10	0.09
Eastern Visayas	1.39	1.37	1.34	1.33	1.24	1.23
Zamboanga Peninsula	1.54	1.70	1.81	1.81	1.77	1.73
Northern Mindanao	0.80	0.83	1.36	1.33	1.31	1.30
Davao Region	1.20	1.15	1.09	1.09	1.04	1.02
SOCCSKSARGEN	1.78	1.63	1.87	1.88	1.91	1.92
Caraga	0.95	0.91	0.89	0.93	1.45	1.48
ARMM	1.17	1.11	1.18	1.17	1.16	1.17

Table 4.5.2 COFFEE EXCELSA: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**9,867**	**9,262**	**8,923**	**8,326**	**7,129**	**6,763**
CAR	93	90	93	92	92	90
Ilocos Region	13	14	14	16	15	17
Cagayan Valley	290	239	114	158	162	164
Central Luzon	38	62	52	39	41	42
CALABARZON	2,249	2,051	1,616	1,306	968	939
MIMAROPA	45	44	44	44	44	44
Bicol Region	1	2	1	1	1	1
Western Visayas	3	3	3	2	2	2
Central Visayas	1	1	1	0.3	0.01	0.01
Eastern Visayas	61	59	58	56	52	49
Zamboanga Peninsula	182	192	194	186	174	162
Northern Mindanao	413	393	393	401	389	372
Davao Region	3,881	3,537	3,394	3,125	2,604	2,525
SOCCSKSARGEN	706	705	1,104	1,074	744	529
Caraga	384	407	386	371	363	310
ARMM	1,507	1,465	1,455	1,452	1,475	1,516
Area (Ha)						
PHILIPPINES	**12,026**	**11,859**	**11,359**	**10,867**	**10,387**	**10,176**
CAR	197	197	198	198	196	191
Ilocos Region	18	19	19	19	18	18
Cagayan Valley	457	442	373	371	371	371
Central Luzon	103	88	88	63	63	63
CALABARZON	3,786	3,701	3,271	3,160	2,994	2,924
MIMAROPA	162	161	162	161	160	159
Bicol Region	3	3	2	2	2	2
Western Visayas	3	8	6	6	8	10
Central Visayas	3	3	1	1	1	1
Eastern Visayas	124	124	127	123	123	121
Zamboanga Peninsula	247	242	233	225	217	208
Northern Mindanao	812	812	877	877	879	817
Davao Region	3,029	2,976	2,868	2,710	2,431	2,426
SOCCSKSARGEN	1,289	1,288	1,340	1,177	1,172	1,124
Caraga	250	249	249	229	206	192
ARMM	1,544	1,546	1,545	1,545	1,545	1,549
Yield Per Hectare (mt)						
PHILIPPINES	**0.82**	**0.78**	**0.79**	**0.77**	**0.69**	**0.66**
CAR	0.47	0.46	0.47	0.47	0.47	0.47
Ilocos Region	0.71	0.72	0.76	0.82	0.86	0.94
Cagayan Valley	0.64	0.54	0.31	0.43	0.44	0.44
Central Luzon	0.37	0.70	0.59	0.62	0.66	0.67
CALABARZON	0.59	0.55	0.49	0.41	0.32	0.32
MIMAROPA	0.28	0.27	0.27	0.27	0.28	0.28
Bicol Region	0.49	0.50	0.72	0.68	0.65	0.66
Western Visayas	0.95	0.35	0.40	0.36	0.27	0.20
Central Visayas	0.30	0.27	0.79	0.31	0.01	0.01
Eastern Visayas	0.49	0.48	0.46	0.46	0.42	0.41
Zamboanga Peninsula	0.74	0.79	0.83	0.83	0.80	0.78
Northern Mindanao	0.51	0.48	0.45	0.46	0.44	0.46
Davao Region	1.28	1.19	1.18	1.15	1.07	1.04
SOCCSKSARGEN	0.55	0.55	0.82	0.91	0.64	0.47
Caraga	1.54	1.63	1.55	1.62	1.76	1.62
ARMM	0.98	0.95	0.94	0.94	0.95	0.98

Table 4.5.2a COFFEE EXCELSA: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
BEARING TREES (no.)						
PHILIPPINES	**7,219,458**	**7,421,051**	**7,063,018**	**6,722,073**	**6,324,887**	**6,239,477**
CAR	85,237	85,125	89,283	88,905	90,570	89,151
Ilocos Region	11,434	11,522	11,240	11,593	11,205	11,205
Cagayan Valley	310,570	299,637	246,088	237,958	237,965	237,915
Central Luzon	92,600	78,945	66,700	47,576	48,433	51,530
CALABARZON	1,577,947	1,528,087	1,268,728	1,193,581	1,089,127	1,048,000
MIMAROPA	72,756	71,636	71,396	70,882	70,866	70,630
Bicol Region	1,325	1,325	888	888	888	888
Western Visayas	1,419	4,399	4,001	3,364	3,348	3,413
Central Visayas	1,950	1,948	435	435	435	435
Eastern Visayas	51,501	51,501	52,540	51,925	51,797	51,221
Zamboanga Peninsula	93,007	102,249	98,790	96,467	95,149	89,917
Northern Mindanao	480,567	478,543	487,694	487,694	446,774	445,440
Davao Region	2,336,025	2,228,110	2,186,581	2,064,946	1,854,158	1,851,458
SOCCSKSARGEN	694,566	1,069,530	1,075,645	974,190	964,318	923,700
Caraga	239,920	239,765	234,365	223,015	191,200	187,650
ARMM	1,168,634	1,168,729	1,168,644	1,168,654	1,168,654	1,176,924
PLANTING DENSITY (Btrees/ha)						
PHILIPPINES	**600**	**626**	**622**	**619**	**609**	**613**
CAR	433	432	451	449	462	467
Ilocos Region	635	606	592	610	623	623
Cagayan Valley	680	678	660	641	641	641
Central Luzon	899	897	758	755	769	818
CALABARZON	417	413	388	378	364	358
MIMAROPA	449	445	441	440	442	444
Bicol Region	442	442	444	444	444	444
Western Visayas	473	550	625	526	399	328
Central Visayas	650	649	435	435	435	435
Eastern Visayas	415	415	414	422	421	423
Zamboanga Peninsula	377	423	424	429	438	432
Northern Mindanao	592	589	556	556	508	545
Davao Region	771	749	762	762	763	763
SOCCSKSARGEN	539	830	803	828	823	822
Caraga	960	963	941	974	928	977
ARMM	757	756	756	756	756	760
YIELD PER BEARING TREE (kg)						
PHILIPPINES	**1.37**	**1.25**	**1.26**	**1.24**	**1.13**	**1.08**
CAR	1.09	1.05	1.04	1.04	1.02	1.01
Ilocos Region	1.12	1.20	1.28	1.35	1.38	1.51
Cagayan Valley	0.94	0.80	0.46	0.66	0.68	0.69
Central Luzon	0.41	0.78	0.78	0.82	0.85	0.82
CALABARZON	1.43	1.34	1.27	1.09	0.89	0.90
MIMAROPA	0.63	0.61	0.62	0.62	0.62	0.63
Bicol Region	1.12	1.14	1.61	1.53	1.45	1.48
Western Visayas	2.01	0.64	0.63	0.69	0.67	0.62
Central Visayas	0.45	0.42	1.82	0.71	0.02	0.02
Eastern Visayas	1.19	1.15	1.10	1.08	1.00	0.97
Zamboanga Peninsula	1.96	1.88	1.96	1.93	1.83	1.80
Northern Mindanao	0.86	0.82	0.81	0.82	0.87	0.84
Davao Region	1.66	1.59	1.55	1.51	1.40	1.36
SOCCSKSARGEN	1.02	0.66	1.03	1.10	0.77	0.57
Caraga	1.60	1.70	1.65	1.66	1.90	1.65
ARMM	1.29	1.25	1.24	1.24	1.26	1.29

Table 4.5.3 COFFEE LIBERICA: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**1,172**	**1,110**	**833**	**783**	**683**	**672**
CAR	21	20	19	18	18	18
Ilocos Region	-	-	-	-	-	-
Cagayan Valley	30	16	9	10	11	11
Central Luzon	5	4	3	3	3	3
CALABARZON	564	522	262	233	152	146
MIMAROPA	53	52	52	51	46	42
Bicol Region	6	5	5	5	5	5
Western Visayas	182	182	179	177	172	168
Central Visayas	31	30	29	15	13	11
Eastern Visayas	17	17	16	16	15	14
Zamboanga Peninsula	21	19	18	19	17	15
Northern Mindanao	-	-	-	-	-	-
Davao Region	106	102	95	91	85	86
SOCCSKSARGEN	4	5	6	5	5	3
Caraga	2	2	2	2	3	3
ARMM	132	135	137	138	141	147
Area (Ha)						
PHILIPPINES	**1,971**	**1,907**	**1,607**	**1,572**	**1,510**	**1,492**
CAR	17	17	16	16	16	16
Ilocos Region	-	-	-	-	-	-
Cagayan Valley	48	35	34	34	36	36
Central Luzon	2	2	2	2	2	2
CALABARZON	583	566	314	301	247	236
MIMAROPA	148	146	147	146	145	142
Bicol Region	21	19	12	11	10	10
Western Visayas	296	295	295	295	295	295
Central Visayas	79	78	50	45	45	40
Eastern Visayas	21	21	21	20	20	19
Zamboanga Peninsula	46	41	39	33	31	24
Northern Mindanao	-	-	-	-	-	-
Davao Region	95	95	85	77	72	72
SOCCSKSARGEN	25	4	4	4	3	3
Caraga	4	2	2	2	2	2
ARMM	586	586	586	586	586	595
Yield Per Hectare (mt)						
PHILIPPINES	**0.59**	**0.58**	**0.52**	**0.50**	**0.45**	**0.45**
CAR	1.21	1.17	1.18	1.14	1.12	1.11
Ilocos Region						
Cagayan Valley	0.63	0.46	0.26	0.29	0.29	0.30
Central Luzon	2.40	1.96	1.60	1.50	1.60	1.62
CALABARZON	0.97	0.92	0.83	0.78	0.61	0.62
MIMAROPA	0.36	0.36	0.36	0.35	0.31	0.30
Bicol Region	0.29	0.28	0.42	0.43	0.45	0.46
Western Visayas	0.61	0.62	0.61	0.60	0.58	0.57
Central Visayas	0.40	0.39	0.59	0.33	0.29	0.28
Eastern Visayas	0.80	0.80	0.78	0.80	0.73	0.75
Zamboanga Peninsula	0.45	0.45	0.47	0.57	0.55	0.64
Northern Mindanao						
Davao Region	1.11	1.07	1.12	1.18	1.18	1.20
SOCCSKSARGEN	0.15	1.16	1.44	1.24	1.51	0.92
Caraga	0.50	0.88	0.85	1.00	1.50	1.58
ARMM	0.23	0.23	0.23	0.24	0.24	0.25

Table 4.5.3a COFFEE LIBERICA: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
BEARING TREES (no.)						
PHILIPPINES	**1,294,122**	**1,270,684**	**1,051,120**	**1,025,886**	**992,237**	**980,529**
CAR	15,627	15,467	14,973	14,729	14,659	14,590
Ilocos Region	-	-	-	-	-	-
Cagayan Valley	29,368	24,421	23,437	23,415	24,215	24,165
Central Luzon	1,900	1,700	1,700	1,500	1,616	1,616
CALABARZON	331,513	316,346	146,381	134,795	109,212	101,302
MIMAROPA	61,720	61,095	61,142	60,575	60,570	59,187
Bicol Region	11,044	10,180	6,074	5,467	4,970	4,970
Western Visayas	163,759	163,759	163,659	163,659	163,609	163,579
Central Visayas	70,000	70,000	31,500	27,000	24,800	21,500
Eastern Visayas	6,910	6,910	6,910	6,578	6,250	5,925
Zamboanga Peninsula	11,835	11,206	9,746	8,395	7,961	7,011
Northern Mindanao	-	-	-	-	-	-
Davao Region	85,526	84,718	81,118	75,353	70,755	70,750
SOCCSKSARGEN	3,450	3,412	3,010	2,950	2,350	2,300
Caraga	1,650	1,650	1,650	1,650	1,450	1,480
ARMM	499,820	499,820	499,820	499,820	499,820	502,154
PLANTING DENSITY (Btrees/ha)						
PHILIPPINES	**656**	**666**	**654**	**653**	**657**	**657**
CAR	919	910	936	921	916	912
Ilocos Region						
Cagayan Valley	612	698	689	689	673	671
Central Luzon	950	850	850	750	808	808
CALABARZON	569	559	466	448	442	429
MIMAROPA	417	418	416	415	418	418
Bicol Region	526	536	506	497	497	497
Western Visayas	553	555	555	555	555	555
Central Visayas	886	897	630	600	551	538
Eastern Visayas	329	329	329	329	313	312
Zamboanga Peninsula	256	272	252	254	261	292
Northern Mindanao						
Davao Region	900	892	954	979	983	983
SOCCSKSARGEN	138	853	753	738	783	767
Caraga	413	825	825	825	725	740
ARMM	853	853	853	853	853	844
YIELD PER BEARING TREE (kg)						
PHILIPPINES	**0.91**	**0.87**	**0.79**	**0.76**	**0.69**	**0.69**
CAR	1.31	1.29	1.26	1.23	1.22	1.21
Ilocos Region						
Cagayan Valley	1.03	0.66	0.37	0.43	0.43	0.45
Central Luzon	2.53	2.30	1.88	2.00	1.98	2.00
CALABARZON	1.70	1.65	1.79	1.73	1.39	1.44
MIMAROPA	0.86	0.86	0.86	0.84	0.75	0.71
Bicol Region	0.54	0.53	0.84	0.87	0.91	0.92
Western Visayas	1.11	1.11	1.09	1.08	1.05	1.03
Central Visayas	0.45	0.43	0.94	0.55	0.53	0.52
Eastern Visayas	2.44	2.42	2.37	2.43	2.32	2.41
Zamboanga Peninsula	1.74	1.66	1.88	2.23	2.12	2.19
Northern Mindanao						
Davao Region	1.23	1.20	1.17	1.21	1.20	1.22
SOCCSKSARGEN	1.09	1.36	1.91	1.68	1.93	1.20
Caraga	1.21	1.06	1.03	1.21	2.07	2.13
ARMM	0.26	0.27	0.27	0.28	0.28	0.29

Table 4.5.4 COFFEE ROBUSTA: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**74,284**	**73,168**	**75,174**	**74,453**	**70,122**	**70,112**
CAR	4,917	4,807	5,178	5,520	5,416	5,114
Ilocos Region	40	41	41	42	42	47
Cagayan Valley	1,223	1,008	396	661	673	689
Central Luzon	1,726	1,636	1,565	1,487	1,541	1,622
CALABARZON	9,865	9,480	8,740	8,581	7,611	7,957
MIMAROPA	103	95	94	97	105	110
Bicol Region	388	320	292	275	259	258
Western Visayas	5,071	5,168	4,952	4,868	4,725	4,650
Central Visayas	535	525	436	285	261	247
Eastern Visayas	60	58	57	55	52	107
Zamboanga Peninsula	431	504	506	520	524	542
Northern Mindanao	5,212	5,177	5,224	5,483	5,500	5,435
Davao Region	24,569	22,731	22,136	21,818	18,561	18,303
SOCCSKSARGEN	8,658	10,427	14,455	14,343	14,596	14,686
Caraga	3,903	3,901	3,460	2,744	2,747	2,830
ARMM	7,583	7,289	7,641	7,672	7,509	7,514
Area (Ha)						
PHILIPPINES	**94,037**	**94,700**	**93,280**	**92,186**	**91,592**	**91,148**
CAR	6,447	6,577	6,578	6,576	6,362	6,055
Ilocos Region	69	69	67	67	64	78
Cagayan Valley	2,389	2,261	1,900	1,884	1,886	1,886
Central Luzon	1,534	1,524	1,524	1,534	1,539	1,569
CALABARZON	11,827	11,817	11,644	11,610	11,381	11,347
MIMAROPA	570	569	563	560	563	563
Bicol Region	704	721	598	573	583	583
Western Visayas	7,937	7,967	7,983	7,983	7,971	8,001
Central Visayas	813	813	728	712	855	703
Eastern Visayas	87	95	98	97	97	102
Zamboanga Peninsula	533	647	624	625	625	617
Northern Mindanao	11,378	11,369	11,761	11,757	11,729	11,710
Davao Region	21,875	21,850	20,782	20,417	20,160	20,128
SOCCSKSARGEN	13,971	14,173	14,330	13,995	14,127	14,182
Caraga	4,578	4,573	4,423	4,120	3,850	3,850
ARMM	9,325	9,675	9,677	9,677	9,800	9,774
Yield Per Hectare (mt)						
PHILIPPINES	**0.79**	**0.77**	**0.81**	**0.81**	**0.77**	**0.77**
CAR	0.76	0.73	0.79	0.84	0.85	0.84
Ilocos Region	0.58	0.59	0.61	0.63	0.66	0.60
Cagayan Valley	0.51	0.45	0.21	0.35	0.36	0.37
Central Luzon	1.13	1.07	1.03	0.97	1.00	1.03
CALABARZON	0.83	0.80	0.75	0.74	0.67	0.70
MIMAROPA	0.18	0.17	0.17	0.17	0.19	0.19
Bicol Region	0.55	0.44	0.49	0.48	0.44	0.44
Western Visayas	0.64	0.65	0.62	0.61	0.59	0.58
Central Visayas	0.66	0.65	0.60	0.40	0.31	0.35
Eastern Visayas	0.69	0.61	0.58	0.57	0.54	1.05
Zamboanga Peninsula	0.81	0.78	0.81	0.83	0.84	0.88
Northern Mindanao	0.46	0.46	0.44	0.47	0.47	0.46
Davao Region	1.12	1.04	1.07	1.07	0.92	0.91
SOCCSKSARGEN	0.62	0.74	1.01	1.02	1.03	1.04
Caraga	0.85	0.85	0.78	0.67	0.71	0.74
ARMM	0.81	0.75	0.79	0.79	0.77	0.77

Table 4.5.4a COFFEE ROBUSTA: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
BEARING TREES (no.)						
PHILIPPINES	**67,300,523**	**68,181,189**	**68,027,895**	**67,428,907**	**64,685,812**	**64,350,923**
CAR	4,041,702	4,138,442	4,178,857	4,180,850	4,077,505	3,919,702
Ilocos Region	45,565	45,720	33,622	33,325	32,596	38,546
Cagayan Valley	1,671,639	1,544,470	1,262,723	1,214,960	1,216,368	1,216,235
Central Luzon	1,039,450	1,032,100	1,048,100	1,021,950	1,101,100	1,058,200
CALABARZON	12,157,515	12,148,631	11,915,056	11,959,380	9,413,530	9,362,830
MIMAROPA	195,631	195,300	192,650	191,041	191,085	194,487
Bicol Region	493,930	508,053	422,298	410,097	403,036	403,096
Western Visayas	5,033,210	5,059,922	5,058,390	5,057,898	5,035,890	5,032,588
Central Visayas	717,325	716,923	622,973	602,228	643,387	637,387
Eastern Visayas	58,859	58,860	58,948	58,396	58,218	61,567
Zamboanga Peninsula	258,052	332,054	324,909	376,342	371,335	370,235
Northern Mindanao	5,814,130	5,809,136	6,117,540	6,113,499	6,091,886	6,082,840
Davao Region	18,076,019	18,003,258	17,384,537	17,089,503	16,858,489	16,839,267
SOCCSKSARGEN	9,491,695	10,171,176	11,113,460	11,022,927	11,200,751	11,197,326
Caraga	2,899,488	2,901,700	2,756,925	2,558,625	2,391,650	2,391,700
ARMM	5,306,313	5,515,444	5,536,907	5,537,886	5,598,986	5,544,917
PLANTING DENSITY (Btrees/ha)						
PHILIPPINES	**716**	**720**	**729**	**731**	**706**	**706**
CAR	627	629	635	636	641	647
Ilocos Region	660	663	502	501	509	492
Cagayan Valley	700	683	665	645	645	645
Central Luzon	678	677	688	666	715	674
CALABARZON	1,028	1,028	1,023	1,030	827	825
MIMAROPA	343	343	342	341	339	346
Bicol Region	702	705	706	716	691	691
Western Visayas	634	635	634	634	632	629
Central Visayas	882	882	856	846	752	907
Eastern Visayas	677	620	602	602	600	604
Zamboanga Peninsula	485	514	521	602	594	600
Northern Mindanao	511	511	520	520	519	519
Davao Region	826	824	837	837	836	837
SOCCSKSARGEN	679	718	776	788	793	790
Caraga	633	635	623	621	621	621
ARMM	569	570	572	572	571	567
YIELD PER BEARING TREE (kg)						
PHILIPPINES	**1.10**	**1.07**	**1.11**	**1.10**	**1.08**	**1.09**
CAR	1.22	1.16	1.24	1.32	1.33	1.30
Ilocos Region	0.88	0.89	1.22	1.26	1.30	1.23
Cagayan Valley	0.73	0.65	0.31	0.54	0.55	0.57
Central Luzon	1.66	1.58	1.49	1.46	1.40	1.53
CALABARZON	0.81	0.78	0.73	0.72	0.81	0.85
MIMAROPA	0.53	0.49	0.49	0.51	0.55	0.56
Bicol Region	0.79	0.63	0.69	0.67	0.64	0.64
Western Visayas	1.01	1.02	0.98	0.96	0.94	0.92
Central Visayas	0.75	0.73	0.70	0.47	0.41	0.39
Eastern Visayas	1.03	0.99	0.96	0.95	0.90	1.73
Zamboanga Peninsula	1.67	1.52	1.56	1.38	1.41	1.46
Northern Mindanao	0.90	0.89	0.85	0.90	0.90	0.89
Davao Region	1.36	1.26	1.27	1.28	1.10	1.09
SOCCSKSARGEN	0.91	1.03	1.30	1.30	1.30	1.31
Caraga	1.35	1.34	1.26	1.07	1.15	1.18
ARMM	1.43	1.32	1.38	1.39	1.34	1.36

HIGHLIGHTS

COTTON

The 0.74 thousand mt production in 2008 was 45.77 percent lower than the 1.36 thousand mt in 2007 (Figure 1). The decline in output was attributed to the frequent rainfall that adversely affected the production areas in SOCCSKSARGEN, the top producer. The region contributed 80 percent to total production (Figure 2) and 44.46 percent to the total area harvested in the country (Table 4.6). Over the period 2003 to 2008, production and area of cotton peaked in 2005 at 5.17 thousand mt and 5.96 thousand hectares. From 2006 to 2008 production and area dropped significantly (Figure 1).

Figure 1. Cotton: Production and Area, Philippines, 2003-2008

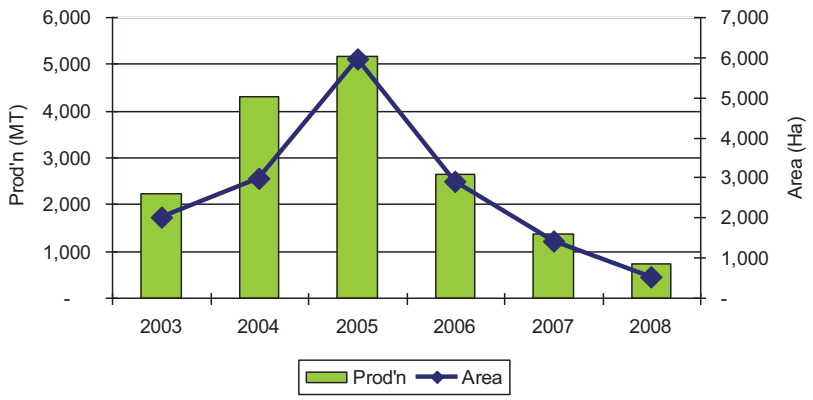


Figure 2. Cotton: Top Producing Regions, Philippines, 2008

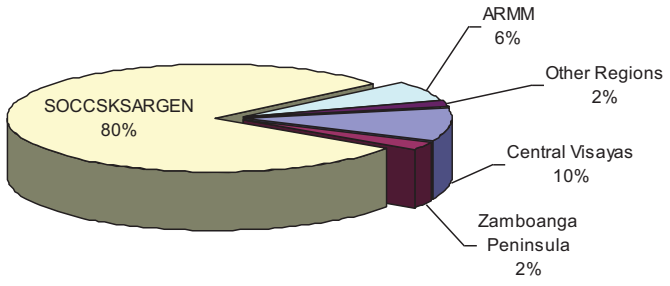


Table 4.6 COTTON: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**2,231**	**4,297**	**5,157**	**2,640**	**1,360**	**738**
CAR	-	-	-	-	-	-
Ilocos Region	441	403	214	71	9	6
Cagayan Valley	-	4	-	-	-	-
Central Luzon	-	-	2	2	2	2
CALABARZON	-	-	-	-	-	-
MIMAROPA	-	-	-	-	-	-
Bicol Region	-	-	-	-	-	-
Western Visayas	228	106	110	52	12	7
Central Visayas	337	221	147	111	92	72
Eastern Visayas	-	-	-	-	-	-
Zamboanga Peninsula	164	148	24	28	21	17
Northern Mindanao	-	-	-	-	-	-
Davao Region	180	182	246	-	23	-
SOCCSKSARGEN	624	3,115	4,129	2,248	1,152	588
Caraga	-	0.3	-	-	-	-
ARMM	257	117	285	128	50	45
Area (Ha)						
PHILIPPINES	**1,994**	**2,972**	**5,956**	**2,906**	**1,426**	**538**
CAR	-	-	-	-	-	-
Ilocos Region	324	213	188	107	6	4
Cagayan Valley	-	5	-	-	-	-
Central Luzon	-	2	3	2	2	2
CALABARZON	-	-	-	-	-	-
MIMAROPA	-	-	-	-	-	-
Bicol Region	-	-	-	-	-	-
Western Visayas	166	77	87	59	15	24
Central Visayas	334	160	212	190	180	172
Eastern Visayas	-	-	-	-	-	-
Zamboanga Peninsula	160	158	98	31	17	2
Northern Mindanao	-	-	-	-	-	-
Davao Region	150	202	300	52	63	-
SOCCSKSARGEN	604	2,037	4,788	2,185	1,045	239
Caraga	-	1	-	-	-	-
ARMM	257	117	280	280	98	94
Yield Per Hectare (mt)						
PHILIPPINES	**1.12**	**1.45**	**0.87**	**0.91**	**0.95**	**1.37**
CAR						
Ilocos Region	1.36	1.90	1.14	0.67	1.36	1.36
Cagayan Valley		0.79				
Central Luzon			0.67	1.10	1.10	1.10
CALABARZON						
MIMAROPA						
Bicol Region						
Western Visayas	1.38	1.37	1.26	0.88	0.81	0.31
Central Visayas	1.01	1.38	0.69	0.58	0.51	0.42
Eastern Visayas						
Zamboanga Peninsula	1.03	0.94	0.25	0.91	1.22	8.72
Northern Mindanao						
Davao Region	1.20	0.90	0.82		0.37	
SOCCSKSARGEN	1.03	1.53	0.86	1.03	1.10	2.46
Caraga		0.25				
ARMM	1.00	1.00	1.02	0.46	0.51	0.48

HIGHLIGHTS

RUBBER

The sustained high price of natural rubber; increased number of tapped trees; and support from the Local Government Units (LGUs) motivated tappings in the major producing regions of Zamboanga Peninsula and SOCCSKSARGEN. As a result, production grew by an average of 8.45 percent annually from 273.98 thousand mt in 2003 to 411.04 thousand mt in 2008 (Figure 1). Area planted also increased by 8.89 percent and number of mature trees grew by 7.82 percent.

Figure 1. Rubber: Production, Area and Number of Bearing trees, Philippines, 2003-2008

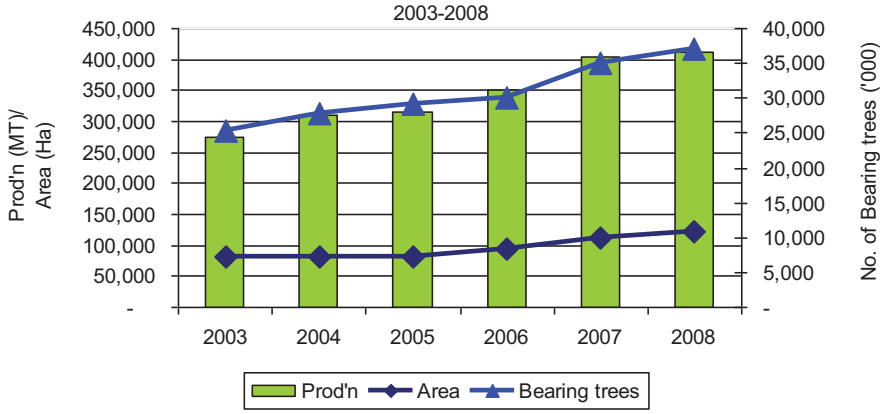
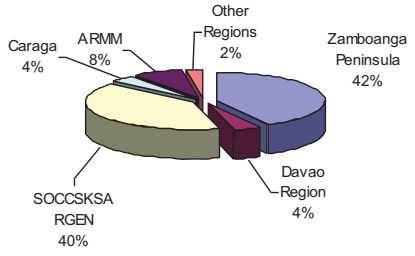


Figure 2. Rubber: Top Producing Regions, Philippines,2008



In 2008, the combined output of the top two producing regions of Zamboanga Peninsula and SOCCSKSARGEN comprised 82 percent of the national rubber production (Figure 2). Their combined area and number of mature trees accounted for 69.32 percent and 80.80 percent of the national totals, respectively (Table 4.7 and Table 4.7a).

Table 4.7 RUBBER: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**273,979**	**311,294**	**315,636**	**351,556**	**404,072**	**411,044**
CAR	-	-	-	-	-	-
Ilocos Region	-	-	-	-	-	-
Cagayan Valley	-	-	-	-	-	-
Central Luzon	-	-	-	-	-	-
CALABARZON	11	32	82	261	4	13
MIMAROPA	14	14	14	15	15	16
Bicol Region	-	-	-	-	-	-
Western Visayas	-	-	-	-	-	-
Central Visayas	-	-	-	-	-	-
Eastern Visayas	-	-	-	-	-	-
Zamboanga Peninsula	145,928	143,185	145,873	152,357	175,054	173,715
Northern Mindanao	9,692	9,675	9,693	10,156	10,183	10,079
Davao Region	15,390	15,597	15,878	16,036	16,376	16,181
SOCCSKSARGEN	60,022	99,302	100,423	129,995	157,134	164,005
Caraga	17,247	16,888	16,604	14,757	15,420	15,540
ARMM	25,676	26,602	27,068	27,979	29,884	31,494
Area (Ha)						
PHILIPPINES	**80,524**	**80,696**	**81,925**	**94,347**	**110,972**	**123,260**
CAR	-	-	-	-	-	-
Ilocos Region	-	-	-	-	-	-
Cagayan Valley	-	-	-	-	-	-
Central Luzon	-	-	-	-	-	-
CALABARZON	212	216	216	227	227	227
MIMAROPA	40	42	42	45	50	50
Bicol Region	-	-	-	-	-	-
Western Visayas	-	-	-	-	-	-
Central Visayas	-	-	-	14	14	14
Eastern Visayas	-	-	-	-	-	-
Zamboanga Peninsula	32,438	32,838	34,066	41,548	42,133	54,250
Northern Mindanao	4,526	4,526	4,491	4,425	4,535	4,567
Davao Region	6,683	6,358	6,291	6,220	6,196	6,267
SOCCSKSARGEN	23,114	23,169	23,284	28,129	31,078	31,195
Caraga	5,560	5,445	5,435	5,434	5,546	5,546
ARMM	7,951	8,102	8,100	8,305	21,193	21,144
Yield Per Hectare (mt)						
PHILIPPINES	**3.40**	**3.86**	**3.85**	**3.73**	**3.64**	**3.33**
CAR						
Ilocos Region						
Cagayan Valley						
Central Luzon						
CALABARZON	0.05	0.15	0.38	1.15	0.02	0.06
MIMAROPA	0.34	0.34	0.34	0.33	0.31	0.32
Bicol Region						
Western Visayas						
Central Visayas						
Eastern Visayas						
Zamboanga Peninsula	4.50	4.36	4.28	3.67	4.15	3.20
Northern Mindanao	2.14	2.14	2.16	2.30	2.25	2.21
Davao Region	2.30	2.45	2.52	2.58	2.64	2.58
SOCCSKSARGEN	2.60	4.29	4.31	4.62	5.06	5.26
Caraga	3.10	3.10	3.06	2.72	2.78	2.80
ARMM	3.23	3.28	3.34	3.37	1.41	1.49

Table 4.7a RUBBER: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
BEARING TREES (no.)						
PHILIPPINES	**25,415,604**	**27,703,924**	**29,147,736**	**30,123,884**	**35,030,731**	**37,030,656**
CAR	-	-	-	-	-	-
Ilocos Region	-	-	-	-	-	-
Cagayan Valley	-	-	-	-	-	-
Central Luzon	-	-	-	-	-	-
CALABARZON	7,380	20,275	21,010	52,200	50,650	50,650
MIMAROPA	31,000	31,100	31,250	31,500	31,500	32,500
Bicol Region	-	-	-	-	-	-
Western Visayas	-	-	-	-	-	-
Central Visayas	-	-	-	-	-	-
Eastern Visayas	-	-	-	-	-	-
Zamboanga Peninsula	11,576,693	11,775,759	12,307,476	12,506,176	16,070,604	17,129,782
Northern Mindanao	418,704	418,811	418,322	411,326	411,326	763,833
Davao Region	1,442,767	1,404,799	1,345,383	1,305,752	1,284,946	1,298,001
SOCCSKSARGEN	7,365,913	9,461,330	10,436,330	11,221,284	12,432,240	12,791,310
Caraga	2,524,696	2,467,000	2,464,415	2,468,415	2,466,415	2,466,225
ARMM	2,048,451	2,124,850	2,123,550	2,127,231	2,283,050	2,498,355
PLANTING DENSITY (Btrees/ha)						
PHILIPPINES	**316**	**343**	**356**	**319**	**316**	**300**
CAR						
Ilocos Region						
Cagayan Valley						
Central Luzon						
CALABARZON	35	94	97	230	223	224
MIMAROPA	775	740	744	700	630	650
Bicol Region						
Western Visayas						
Central Visayas				-	-	-
Eastern Visayas						
Zamboanga Peninsula	357	359	361	301	381	316
Northern Mindanao	93	93	93	93	91	167
Davao Region	216	221	214	210	207	207
SOCCSKSARGEN	319	408	448	399	400	410
Caraga	454	453	453	454	445	445
ARMM	258	262	262	256	108	118
YIELD PER BEARING TREE (kg)						
PHILIPPINES	**10.78**	**11.24**	**10.83**	**11.67**	**11.53**	**11.10**
CAR						
Ilocos Region						
Cagayan Valley						
Central Luzon						
CALABARZON	1.48	1.57	3.91	4.99	0.08	0.26
MIMAROPA	0.44	0.46	0.46	0.47	0.49	0.49
Bicol Region						
Western Visayas						
Central Visayas						
Eastern Visayas						
Zamboanga Peninsula	12.61	12.16	11.85	12.18	10.89	10.14
Northern Mindanao	23.15	23.10	23.17	24.69	24.76	13.20
Davao Region	10.67	11.10	11.80	12.28	12.74	12.47
SOCCSKSARGEN	8.15	10.50	9.62	11.58	12.64	12.82
Caraga	6.83	6.85	6.74	5.98	6.25	6.30
ARMM	12.53	12.52	12.75	13.15	13.09	12.61

HIGHLIGHTS

SUGARCANE

Sugarcane production grew by 19.64 percent, from 22.24 million mt in 2007 to 26.60 million mt in 2008 (Figure 1). The increase was attributed to the expansion in area harvested by 3.93 percent, from 382.96 thousand hectares in 2007 to 397.99 thousand hectares in 2008. Average yield per hectare also increased from 58.06 mt to 66.84 mt during the same period (Table 4.8).

Figure 1. Sugarcane: Production and Area, Philippines, 2003-2008

In 2008, Western Visayas was the largest producer sharing 13.77 million mt or 52 percent to total sugarcane production (Figure 2). Also, the region had also the largest area harvested of 192.58 thousand hectares contributing 48.39 percent to the national total (Table 4.8).

Figure 2. Sugarcane: Top Producing Regions, Philippines, 2008

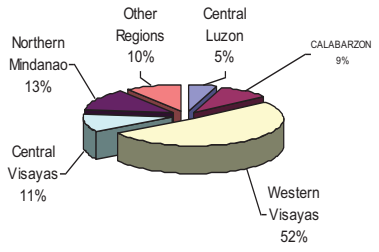


Table 4.8 SUGARCANE: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**23,978,373**	**25,579,214**	**22,917,674**	**24,345,106**	**22,235,297**	**26,601,384**
CAR	480	478	9,315	9,498	9,564	9,842
Ilocos Region	18,293	18,789	18,534	18,784	19,001	19,022
Cagayan Valley	246,888	332,237	222,029	246,278	260,558	263,371
Central Luzon	1,427,670	1,368,585	1,202,298	1,065,434	899,692	1,321,301
CALABARZON	1,657,150	1,915,046	1,765,611	2,046,536	2,197,814	2,457,833
MIMAROPA	-	-	-	-	-	-
Bicol Region	317,333	363,174	284,065	298,460	246,222	319,989
Western Visayas	12,755,236	13,714,827	13,072,226	13,416,415	11,494,675	13,770,505
Central Visayas	2,271,373	2,444,124	2,079,900	2,544,100	2,895,476	2,905,399
Eastern Visayas	559,886	557,990	499,595	533,863	400,743	553,088
Zamboanga Peninsula	601	642	609	576	487	421
Northern Mindanao	3,165,902	3,583,496	2,875,321	3,100,493	2,559,587	3,421,408
Davao Region	531,162	594,260	358,907	501,087	616,195	574,492
SOCCSKSARGEN	964,968	611,087	495,563	537,014	576,349	926,417
Caraga	30	32	21	14	12	9
ARMM	61,401	74,446	33,681	26,555	58,922	58,285
Area (Ha)						
PHILIPPINES	**383,901**	**388,627**	**368,944**	**392,280**	**382,956**	**397,991**
CAR	19	19	149	149	151	153
Ilocos Region	467	435	439	438	437	432
Cagayan Valley	4,346	6,225	6,295	7,042	7,489	7,496
Central Luzon	26,411	24,792	18,656	16,970	16,361	19,352
CALABARZON	29,013	29,294	29,019	31,035	30,941	33,716
MIMAROPA	-	-	-	-	-	-
Bicol Region	6,060	6,560	6,560	6,640	6,640	6,880
Western Visayas	182,633	187,228	187,152	196,408	192,352	192,580
Central Visayas	40,367	39,886	37,867	41,067	41,283	46,283
Eastern Visayas	9,276	9,524	9,531	9,539	8,408	8,437
Zamboanga Peninsula	148	152	145	137	125	119
Northern Mindanao	56,135	61,214	52,531	59,384	53,230	57,170
Davao Region	10,886	11,346	9,837	12,477	13,616	10,097
SOCCSKSARGEN	17,077	10,989	9,635	10,450	10,755	14,325
Caraga	2	3	4	3	3	3
ARMM	1,061	959	1,124	539	1,164	949
Yield Per Hectare (mt)						
PHILIPPINES	**62.46**	**65.82**	**62.12**	**62.06**	**58.06**	**66.84**
CAR	25.26	25.16	62.52	63.74	63.34	64.33
Ilocos Region	39.17	43.16	42.26	42.93	43.45	44.03
Cagayan Valley	56.81	53.37	35.27	34.97	34.79	35.14
Central Luzon	54.06	55.20	64.45	62.78	54.99	68.28
CALABARZON	57.12	65.37	60.84	65.94	71.03	72.90
MIMAROPA						
Bicol Region	52.36	55.36	43.30	44.95	37.08	46.51
Western Visayas	69.84	73.25	69.85	68.31	59.76	71.51
Central Visayas	56.27	61.28	54.93	61.95	70.14	62.77
Eastern Visayas	60.36	58.59	52.42	55.96	47.66	65.55
Zamboanga Peninsula	4.06	4.23	4.19	4.20	3.91	3.55
Northern Mindanao	56.40	58.54	54.74	52.21	48.09	59.85
Davao Region	48.79	52.38	36.49	40.16	45.25	56.90
SOCCSKSARGEN	56.51	55.61	51.43	51.39	53.59	64.67
Caraga	14.85	10.79	5.58	3.97	3.47	2.69
ARMM	57.86	77.62	29.96	49.25	50.62	61.42

HIGHLIGHTS

TOBACCO

Tobacco production exhibited a downward trend at an annual rate of 9.30 percent from 52.90 thousand mt in 2003 to 32.47 thousand mt in 2008 (Figure 1). Area planted dropped by 11.87 percent annually from 41.72 thousand hectares in 2003 to 22.18 thousand hectares in 2008. The decrease was attributed to crop shifting to corn, pepper, eggplant and ampalaya in Ilocos Region.

Figure 1. Tobacco: Production and Area, Philippines, 2003-2008

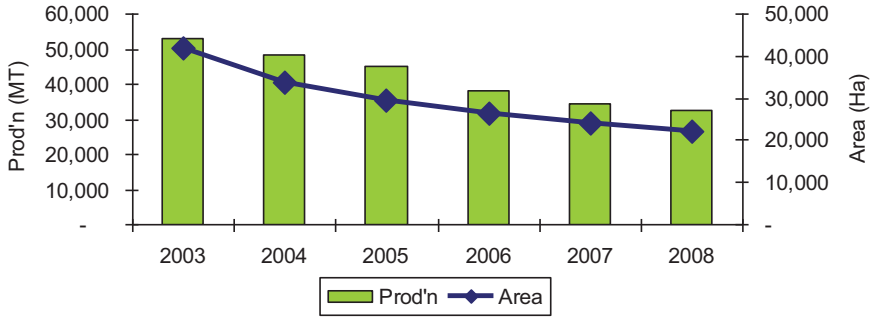
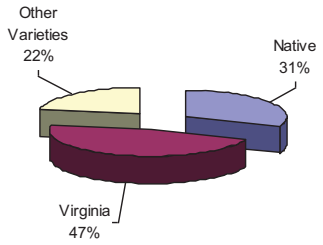


Figure 2. Tobacco: Percent Contribution by Variety, Philippines, 2008



The most preferred tobacco variety was Virginia tobacco contributing 47 percent to the national output while Native variety shared 31 percent (Figure 2).

In 2008, Ilocos region remained as the top tobacco producer and contributed 72 percent to the national production (Figure 3).

Figure 3. Tobacco: Top Producing Regions, Philippines, 2008

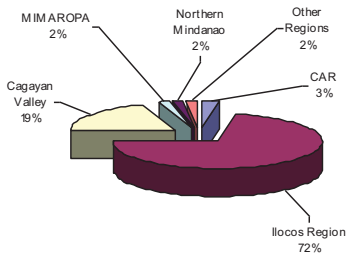


Table 4.9 TOBACCO: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**52,903**	**48,308**	**45,093**	**38,368**	**34,289**	**32,466**
CAR	796	852	887	840	925	912
Ilocos Region	38,736	35,138	31,068	30,154	25,028	23,590
Cagayan Valley	7,688	9,574	10,076	3,855	7,048	6,328
Central Luzon	434	419	407	163	142	25
CALABARZON	-	-	-	-	-	-
MIMAROPA	3,534	899	1,372	2,317	200	553
Bicol Region	9	8	9	10	11	9
Western Visayas	346	306	241	253	278	279
Central Visayas	194	174	137	61	23	19
Eastern Visayas	21	24	27	27	26	23
Zamboanga Peninsula	16	18	19	19	23	21
Northern Mindanao	829	626	587	442	375	528
Davao Region	28	26	25	25	25	24
SOCCSKSARGEN	90	69	70	70	70	60
Caraga	25	23	24	19	14	9
ARMM	158	152	145	113	100	85
Area (Ha)						
PHILIPPINES	**41,721**	**33,773**	**29,589**	**26,323**	**23,863**	**22,182**
CAR	2,019	2,047	2,047	2,047	2,048	2,021
Ilocos Region	30,419	22,854	18,732	18,756	15,619	14,596
Cagayan Valley	4,362	4,785	5,152	2,689	4,874	4,389
Central Luzon	940	940	930	200	200	35
CALABARZON	-	-	-	-	-	-
MIMAROPA	1,463	746	756	1,123	168	254
Bicol Region	12	12	15	15	16	12
Western Visayas	199	189	152	166	178	172
Central Visayas	424	377	275	135	131	56
Eastern Visayas	50	51	54	53	52	50
Zamboanga Peninsula	37	39	40	39	41	34
Northern Mindanao	1,520	1,480	1,250	940	400	450
Davao Region	26	21	18	17	17	17
SOCCSKSARGEN	68	51	48	50	50	40
Caraga	22	21	21	19	20	10
ARMM	160	160	100	75	50	46
Yield Per Hectare (mt)						
PHILIPPINES	**1.27**	**1.43**	**1.52**	**1.46**	**1.44**	**1.46**
CAR	0.39	0.42	0.43	0.41	0.45	0.45
Ilocos Region	1.27	1.54	1.66	1.61	1.60	1.62
Cagayan Valley	1.76	2.00	1.96	1.43	1.45	1.44
Central Luzon	0.46	0.45	0.44	0.81	0.71	0.72
CALABARZON						
MIMAROPA	2.42	1.21	1.81	2.06	1.19	2.18
Bicol Region	0.72	0.69	0.59	0.68	0.67	0.75
Western Visayas	1.74	1.62	1.59	1.53	1.56	1.62
Central Visayas	0.46	0.46	0.50	0.45	0.18	0.34
Eastern Visayas	0.41	0.47	0.50	0.50	0.50	0.46
Zamboanga Peninsula	0.43	0.45	0.48	0.49	0.57	0.63
Northern Mindanao	0.55	0.42	0.47	0.47	0.94	1.17
Davao Region	1.08	1.23	1.41	1.46	1.50	1.42
SOCCSKSARGEN	1.32	1.35	1.45	1.41	1.41	1.51
Caraga	1.12	1.11	1.13	1.03	0.70	0.93
ARMM	0.99	0.95	1.45	1.51	1.99	1.85

Table 4.9.1 TOBACCO NATIVE: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**11,428**	**12,743**	**12,593**	**6,715**	**8,158**	**10,047**
CAR	7	6	6	6	6	6
Ilocos Region	3,782	3,655	3,461	3,492	3,082	5,294
Cagayan Valley	5,917	7,620	7,815	2,173	4,118	3,688
Central Luzon	-	-	-	-	-	-
CALABARZON	-	-	-	-	-	-
MIMAROPA	42	40	32	9	8	3
Bicol Region	9	8	9	10	11	9
Western Visayas	346	306	241	253	278	279
Central Visayas	194	170	134	58	21	18
Eastern Visayas	21	24	27	27	26	23
Zamboanga Peninsula	16	18	19	19	23	21
Northern Mindanao	829	626	587	442	375	528
Davao Region	28	26	25	25	25	24
SOCCSKSARGEN	54	69	70	70	70	60
Caraga	25	23	24	19	14	9
ARMM	158	152	145	113	100	85
Area (Ha)						
PHILIPPINES	**8,924**	**8,757**	**8,028**	**5,429**	**5,980**	**6,969**
CAR	10	10	10	8	9	9
Ilocos Region	3,054	2,741	2,285	2,411	2,020	3,320
Cagayan Valley	3,304	3,560	3,725	1,496	2,991	2,750
Central Luzon	-	-	-	-	-	-
CALABARZON	-	-	-	-	-	-
MIMAROPA	54	50	40	9	8	4
Bicol Region	12	12	15	15	16	12
Western Visayas	199	189	152	166	178	172
Central Visayas	423	372	271	131	129	55
Eastern Visayas	50	51	54	53	52	50
Zamboanga Peninsula	37	39	40	39	41	34
Northern Mindanao	1,520	1,480	1,250	940	400	450
Davao Region	26	21	18	17	17	17
SOCCSKSARGEN	53	51	48	50	50	40
Caraga	22	21	21	19	20	10
ARMM	160	160	100	75	50	46
Yield Per Hectare (mt)						
PHILIPPINES	**1.28**	**1.46**	**1.57**	**1.24**	**1.36**	**1.44**
CAR	0.70	0.64	0.58	0.72	0.64	0.63
Ilocos Region	1.24	1.33	1.51	1.45	1.53	1.59
Cagayan Valley	1.79	2.14	2.10	1.45	1.38	1.34
Central Luzon						
CALABARZON						
MIMAROPA	0.77	0.80	0.81	0.96	1.00	0.86
Bicol Region	0.73	0.69	0.59	0.68	0.67	0.75
Western Visayas	1.74	1.62	1.59	1.53	1.56	1.62
Central Visayas	0.46	0.46	0.49	0.44	0.17	0.32
Eastern Visayas	0.41	0.47	0.50	0.50	0.50	0.46
Zamboanga Peninsula	0.43	0.45	0.48	0.49	0.57	0.63
Northern Mindanao	0.55	0.42	0.47	0.47	0.94	1.17
Davao Region	1.08	1.23	1.41	1.46	1.50	1.42
SOCCSKSARGEN	1.02	1.35	1.45	1.41	1.41	1.51
Caraga	1.12	1.11	1.13	1.03	0.70	0.93
ARMM	0.99	0.95	1.45	1.51	1.99	1.85

Table 4.9.2 TOBACCO VIRGINIA: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**23,808**	**22,745**	**20,899**	**19,407**	**19,737**	**15,125**
CAR	788	845	881	833	919	905
Ilocos Region	23,020	21,896	20,015	18,570	18,816	14,218
Cagayan Valley	-	-	-	-	-	-
Central Luzon	-	-	-	-	-	-
CALABARZON	-	-	-	-	-	-
MIMAROPA	-	-	-	-	-	-
Bicol Region	-	-	-	-	-	-
Western Visayas	-	-	-	-	-	-
Central Visayas	-	4	4	3	2	2
Eastern Visayas	-	-	-	-	-	-
Zamboanga Peninsula	-	-	-	-	-	-
Northern Mindanao	-	-	-	-	-	-
Davao Region	-	-	-	-	-	-
SOCCSKSARGEN	-	-	-	-	-	-
Caraga	-	-	-	-	-	-
ARMM	-	-	-	-	-	-
Area (Ha)						
PHILIPPINES	**22,417**	**17,032**	**14,746**	**14,508**	**14,206**	**11,457**
CAR	2,008	2,036	2,036	2,038	2,038	2,011
Ilocos Region	20,409	14,992	12,707	12,467	12,166	9,445
Cagayan Valley	-	-	-	-	-	-
Central Luzon	-	-	-	-	-	-
CALABARZON	-	-	-	-	-	-
MIMAROPA	-	-	-	-	-	-
Bicol Region	-	-	-	-	-	-
Western Visayas	-	-	-	-	-	-
Central Visayas	-	4	3	3	2	1
Eastern Visayas	-	-	-	-	-	-
Zamboanga Peninsula	-	-	-	-	-	-
Northern Mindanao	-	-	-	-	-	-
Davao Region	-	-	-	-	-	-
SOCCSKSARGEN	-	-	-	-	-	-
Caraga	-	-	-	-	-	-
ARMM	-	-	-	-	-	-
Yield Per Hectare (mt)						
PHILIPPINES	**1.06**	**1.34**	**1.42**	**1.34**	**1.39**	**1.32**
CAR	0.39	0.41	0.43	0.41	0.45	0.45
Ilocos Region	1.13	1.46	1.58	1.49	1.55	1.51
Cagayan Valley						
Central Luzon						
CALABARZON						
MIMAROPA						
Bicol Region						
Western Visayas						
Central Visayas		1.12	1.18	1.05	1.00	1.69
Eastern Visayas						
Zamboanga Peninsula						
Northern Mindanao						
Davao Region						
SOCCSKSARGEN						
Caraga						
ARMM						

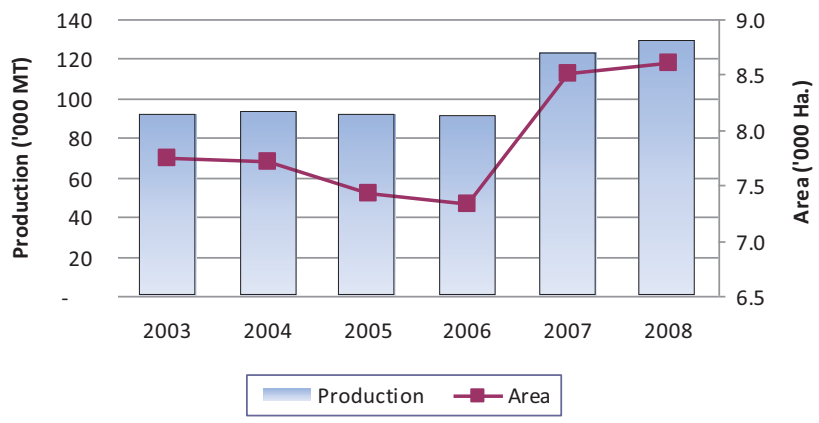
D. VEGETABLES, ROOT CROPS and TUBERS

HIGHLIGHTS

CABBAGE

In 2008, production reached 128.9 thousand mt or an increase of 4.4 percent from the 123.4 thousand mt in 2007. From 2003 to 2006, cabbage production reached more than 90 thousand mt only. The large volume of production in 2007 and 2008 was largely due to expansion in areas. (Figure 1).

Figure 1. Cabbage: Production and Area, Philippines, 2003-2008



The Cordillera Administrative Region (CAR) was consistently the top producer of cabbage with 103 thousand mt or almost 80 percent of the country's total production in 2008 (Figure 2). In the Visayas, Central Visayas led in cabbage production with 6.5 thousand mt. In Mindanao, the top producers were Northern Mindanao with 5.6 thousand mt and Davao Region with 4.9 thousand mt (Table 5.3).

Figure 2. Cabbage: Top Producing Regions, Philippines, 2008

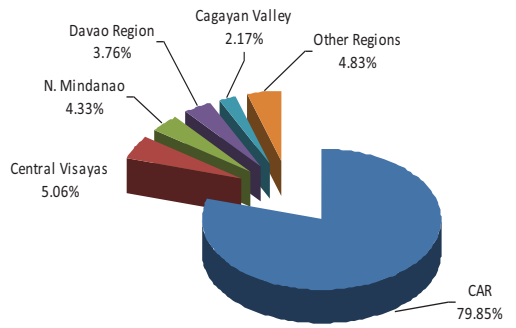


Table 5.1 CABBAGE: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**91,982**	**92,782**	**91,439**	**91,243**	**123,443**	**128,865**
CAR	67,583	68,838	68,979	68,887	99,957	102,894
Ilocos Region	2,606	2,495	2,493	2,718	2,752	2,790
Cagayan Valley	822	894	849	1,053	1,440	1,436
Central Luzon	-	-	-	-	5	-
CALABARZON	2,275	2,235	1,293	810	1,102	1,037
MIMAROPA	30	20	18	16	15	26
Bicol Region	576	479	410	410	333	332
Western Visayas	384	377	502	510	548	538
Central Visayas	6,490	6,268	5,713	5,846	6,251	6,524
Eastern Visayas	145	150	152	160	159	194
Zamboanga Peninsula	309	320	323	301	297	298
Northern Mindanao	2,913	2,817	2,891	3,052	3,567	5,581
Davao Region	5,332	5,316	5,293	5,100	4,661	4,850
SOCCSKSARGEN	1,432	1,508	1,481	1,397	1,437	1,498
Caraga	281	268	286	219	211	199
ARMM	803	797	757	764	709	671
Area (Ha)						
PHILIPPINES	**7,746**	**7,705**	**7,420**	**7,323**	**8,502**	**8,596**
CAR	4,291	4,316	4,356	4,368	5,520	5,536
Ilocos Region	492	452	391	382	371	367
Cagayan Valley	148	157	163	152	176	175
Central Luzon	-	-	-	-	2	-
CALABARZON	508	453	183	110	131	123
MIMAROPA	15	12	9	7	6	11
Bicol Region	76	67	57	55	45	43
Western Visayas	61	61	66	66	71	70
Central Visayas	697	705	666	691	704	698
Eastern Visayas	22	24	25	27	27	33
Zamboanga Peninsula	104	95	96	95	93	100
Northern Mindanao	357	373	382	392	415	490
Davao Region	680	674	698	675	625	635
SOCCSKSARGEN	177	199	208	186	199	205
Caraga	42	40	42	38	38	35
ARMM	76	76	78	79	79	77
Yield Per Hectare (mt)						
PHILIPPINES	**11.87**	**12.04**	**12.32**	**12.46**	**14.52**	**14.99**
CAR	15.75	15.95	15.84	15.77	18.11	18.59
Ilocos Region	5.30	5.51	6.38	7.12	7.42	7.61
Cagayan Valley	5.55	5.70	5.21	6.93	8.18	8.20
Central Luzon					2.50	
CALABARZON	4.48	4.93	7.06	7.36	8.41	8.46
MIMAROPA	2.01	1.70	1.95	2.24	2.49	2.32
Bicol Region	7.58	7.15	7.19	7.45	7.48	7.71
Western Visayas	6.30	6.18	7.59	7.73	7.72	7.68
Central Visayas	9.31	8.89	8.58	8.46	8.88	9.34
Eastern Visayas	6.61	6.14	6.08	6.01	5.83	5.89
Zamboanga Peninsula	2.98	3.37	3.36	3.17	3.19	2.98
Northern Mindanao	8.16	7.55	7.56	7.78	8.60	11.40
Davao Region	7.84	7.89	7.58	7.56	7.46	7.64
SOCCSKSARGEN	8.08	7.58	7.12	7.50	7.21	7.31
Caraga	6.64	6.71	6.81	5.77	5.55	5.72
ARMM	10.57	10.49	9.71	9.67	8.97	8.71

HIGHLIGHTS

CAMOTE

Camote production fluctuated with an upward trend from 547 thousand mt in 2003 to 574 thousand mt in 2007. It slid to 573 thousand mt in 2008 or 0.2 percent below its 2007 level. Area harvested also fluctuated (Figure 1). However, yield continuously increased from 4.47 mt per hectare in 2003 to 4.92 mt per hectare in 2008 registering an average annual growth rate of 3.0 percent.

Figure 1. Camote Production and Area, Philippines, 2003-2008

Eastern Visayas was the top producer in 2008 with 118.1 thousand mt or 20.62 percent of the national production (Figure 2). The second largest producer was Bicol Region with 95.8 thousand mt, followed by CARAGA with 62.4 thousand mt (Table 5.4). Their respective shares to the national cabbage output were 16.72 percent and 10.89 percent (Figure 2).

Figure 2. Camote: Top Producing Regions, Philippines, 2008

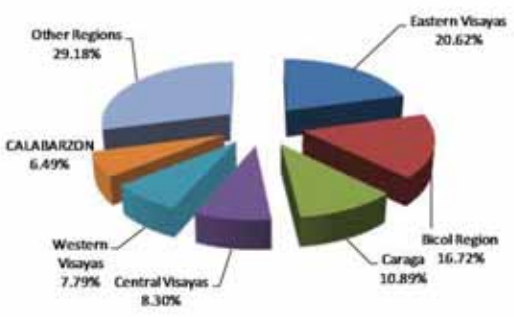


Table 5.2 CAMOTE: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

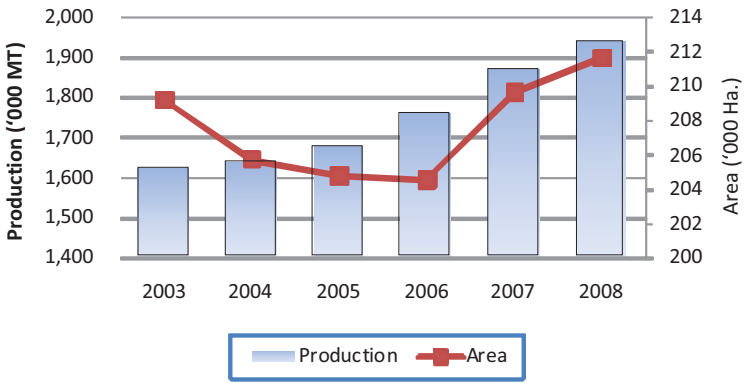
Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**546,971**	**545,147**	**574,629**	**566,773**	**573,734**	**572,655**
CAR	18,209	17,952	17,665	17,301	17,279	17,353
Ilocos Region	14,518	15,374	16,237	16,261	16,365	15,320
Cagayan Valley	21,818	20,982	19,291	17,037	16,575	15,886
Central Luzon	30,494	30,684	31,426	30,997	31,558	31,555
CALABARZON	38,705	38,402	42,588	40,133	40,169	37,190
MIMAROPA	11,929	12,011	12,130	12,219	12,121	12,553
Bicol Region	102,661	87,454	87,372	87,184	91,761	95,767
Western Visayas	28,063	35,952	46,712	47,162	46,298	44,600
Central Visayas	54,014	56,354	49,459	53,529	47,908	47,557
Eastern Visayas	109,111	109,691	116,814	116,858	119,601	118,067
Zamboanga Peninsula	10,151	10,354	10,701	10,837	10,782	10,205
Northern Mindanao	22,904	23,125	23,775	26,998	27,491	28,551
Davao Region	19,808	20,030	19,947	19,397	19,435	19,620
SOCCSKSARGEN	8,377	8,716	9,301	9,124	9,599	9,735
Caraga	51,854	51,909	65,112	55,573	60,719	62,383
ARMM	4,354	6,158	6,100	6,164	6,074	6,313
Area (Ha)						
PHILIPPINES	**122,239**	**120,531**	**120,638**	**118,829**	**117,584**	**116,465**
CAR	3,243	3,222	3,220	3,175	3,159	3,165
Ilocos Region	3,075	3,144	3,348	3,244	3,195	2,982
Cagayan Valley	3,176	3,031	2,838	2,685	2,395	2,305
Central Luzon	7,941	7,893	7,900	7,936	7,972	7,961
CALABARZON	4,265	4,215	4,701	4,571	4,567	4,019
MIMAROPA	2,472	2,490	2,505	2,505	2,475	2,491
Bicol Region	21,880	20,418	20,233	19,689	19,904	19,908
Western Visayas	6,015	6,538	6,766	6,903	6,775	6,575
Central Visayas	15,539	14,856	14,066	15,103	13,812	13,467
Eastern Visayas	25,737	25,809	25,938	25,998	26,054	26,095
Zamboanga Peninsula	3,144	3,182	3,165	3,138	3,095	3,121
Northern Mindanao	2,750	2,779	2,778	2,653	2,577	2,599
Davao Region	4,259	4,262	4,216	4,152	4,097	4,131
SOCCSKSARGEN	1,441	1,481	1,566	1,514	1,551	1,538
Caraga	14,780	14,690	14,873	13,048	13,428	13,568
ARMM	2,522	2,521	2,525	2,516	2,528	2,540
Yield Per Hectare (mt)						
PHILIPPINES	**4.47**	**4.52**	**4.76**	**4.77**	**4.88**	**4.92**
CAR	5.61	5.57	5.49	5.45	5.47	5.48
Ilocos Region	4.72	4.89	4.85	5.01	5.12	5.14
Cagayan Valley	6.87	6.92	6.80	6.35	6.92	6.89
Central Luzon	3.84	3.89	3.98	3.91	3.96	3.96
CALABARZON	9.08	9.11	9.06	8.78	8.80	9.25
MIMAROPA	4.83	4.82	4.84	4.88	4.90	5.04
Bicol Region	4.69	4.28	4.32	4.43	4.61	4.81
Western Visayas	4.67	5.50	6.90	6.83	6.83	6.78
Central Visayas	3.48	3.79	3.52	3.54	3.47	3.53
Eastern Visayas	4.24	4.25	4.50	4.49	4.59	4.52
Zamboanga Peninsula	3.23	3.25	3.38	3.45	3.48	3.27
Northern Mindanao	8.33	8.32	8.56	10.18	10.67	10.99
Davao Region	4.65	4.70	4.73	4.67	4.74	4.75
SOCCSKSARGEN	5.81	5.88	5.94	6.03	6.19	6.33
Caraga	3.51	3.53	4.38	4.26	4.52	4.60
ARMM	1.73	2.44	2.42	2.45	2.40	2.49

HIGHLIGHTS

CASSAVA

Cassava production grew at an annual rate of 3.7 percent from 2003 to 2008, from 1.62 million mt to 1.94 million mt (Figure 1). The output gain was traced to the improved peace and order situation in Lanao Sur, Basilan and Sulu. Also, there was expansion in contract growing scheme of San Miguel Corporation, La Tondeña, BMEG, Phil Agro and other cassava chip millers in Bukidnon and Misamis provinces. Average yield had continuously increased from 7.75 mt per hectare in 2003 to 9.17 mt per hectare in 2008 with an average annual growth of 3.14 percent.

Figure 1. Cassava: Production and Area, Philippines, 2003-2008



ARMM with 1.0 million mt of production remained as the top producer (Table 5.6). It accounted for 51.69 percent of the country's total production in 2008 (Figure 2). Northern Mindanao ranked second with share of almost 18 percent and Bicol Region with share of 5.81 percent.

Figure 2. Cassava: Top Producing Regions, Philippines, 2008

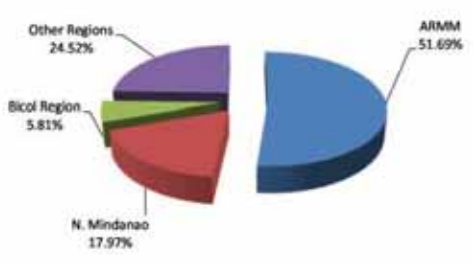


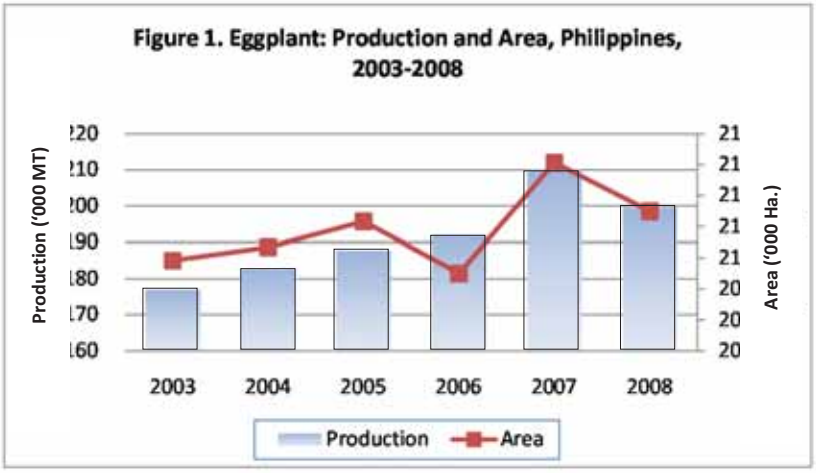
Table 5.3 CASSAVA: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**1,622,242**	**1,640,520**	**1,677,564**	**1,756,856**	**1,871,138**	**1,941,575**
CAR	1,804	1,726	1,730	1,896	1,749	1,865
Ilocos Region	13,734	14,097	13,576	16,357	16,809	16,766
Cagayan Valley	27,176	28,836	31,975	31,156	30,475	30,864
Central Luzon	9,601	9,548	9,395	9,235	9,187	9,199
CALABARZON	67,262	67,411	71,505	65,754	63,969	60,141
MIMAROPA	8,538	8,610	8,909	8,911	9,413	10,618
Bicol Region	159,453	137,068	122,197	109,822	108,706	112,900
Western Visayas	50,448	57,483	57,508	57,104	61,559	59,710
Central Visayas	78,450	74,298	67,145	69,566	79,742	83,539
Eastern Visayas	66,133	66,669	70,623	71,159	72,867	72,792
Zamboanga Peninsula	26,222	26,022	26,861	27,567	29,038	30,598
Northern Mindanao	104,308	138,215	150,484	228,270	310,517	348,971
Davao Region	14,073	14,686	15,584	17,117	15,707	15,550
SOCCSKSARGEN	10,714	11,114	30,071	29,094	32,725	31,857
Caraga	44,083	43,925	49,234	48,362	50,801	52,662
ARMM	940,243	940,811	950,765	965,487	977,874	1,003,542
Area (Ha)						
PHILIPPINES	**209,214**	**205,755**	**204,784**	**204,578**	**209,633**	**211,657**
CAR	251	249	327	400	294	307
Ilocos Region	1,954	2,056	2,071	2,302	2,330	2,305
Cagayan Valley	2,577	2,627	2,642	2,583	2,494	2,559
Central Luzon	1,220	1,197	1,188	1,175	1,169	1,173
CALABARZON	8,853	8,806	9,404	8,960	8,775	8,243
MIMAROPA	2,218	2,228	2,226	2,222	2,248	2,330
Bicol Region	32,037	27,174	24,915	23,142	22,896	22,901
Western Visayas	6,588	6,835	6,467	6,460	6,765	6,597
Central Visayas	11,824	11,160	10,595	10,594	11,334	11,641
Eastern Visayas	23,010	23,067	23,152	23,194	23,207	23,243
Zamboanga Peninsula	6,018	6,193	6,326	6,431	6,609	7,228
Northern Mindanao	8,988	10,314	10,428	12,013	15,351	16,326
Davao Region	2,203	2,247	2,295	2,427	2,296	2,264
SOCCSKSARGEN	998	1,052	1,966	1,916	1,933	1,905
Caraga	8,325	8,235	8,390	8,361	8,518	8,562
ARMM	92,150	92,315	92,392	92,399	93,415	94,071
Yield Per Hectare (mt)						
PHILIPPINES	**7.75**	**7.97**	**8.19**	**8.59**	**8.93**	**9.17**
CAR	7.19	6.93	5.29	4.74	5.95	6.07
Ilocos Region	7.03	6.86	6.56	7.11	7.22	7.27
Cagayan Valley	10.55	10.98	12.10	12.06	12.22	12.06
Central Luzon	7.87	7.98	7.91	7.86	7.86	7.84
CALABARZON	7.60	7.66	7.60	7.34	7.29	7.30
MIMAROPA	3.85	3.86	4.00	4.01	4.19	4.56
Bicol Region	4.98	5.04	4.90	4.75	4.75	4.93
Western Visayas	7.66	8.41	8.89	8.84	9.10	9.05
Central Visayas	6.63	6.66	6.34	6.57	7.04	7.18
Eastern Visayas	2.87	2.89	3.05	3.07	3.14	3.13
Zamboanga Peninsula	4.36	4.20	4.25	4.29	4.39	4.23
Northern Mindanao	11.61	13.40	14.43	19.00	20.23	21.38
Davao Region	6.39	6.54	6.79	7.05	6.84	6.87
SOCCSKSARGEN	10.74	10.56	15.30	15.18	16.93	16.72
Caraga	5.30	5.33	5.87	5.78	5.96	6.15
ARMM	10.20	10.19	10.29	10.45	10.47	10.67

HIGHLIGHTS

EGGPLANT

Eggplant production grew by 4.5 percent annually from 2003 to 2007. In 2008, production went down to 199.6 thousand mt indicating a 5 percent decline from the 210.2 thousand mt in 2007 (Figure 1). Production dropped as a result of heavy rains brought by typhoon Cosme in Pangasinan during the second quarter of 2008. Area harvested fluctuated from 2003 to 2008. Yield continuously increased from 8.43 mt per hectare in 2003 to 9.72 mt per hectare in 2007. Yield went down to 9.37 mt per hectare in 2008, or 3.6 percent lower than the 2007 level (Table 5.8).



Ilocos remained the top producer of eggplant with 73.1 thousand mt in 2008 which accounted for 36.46 percent of total production in the country in 2008 (Figure 2). CALABARZON trailed second with an output of 32.2 thousand mt or about 16 percent to the national output. Cagayan Valley followed with 19.3 thousand mt or 9.64 percent of the total.

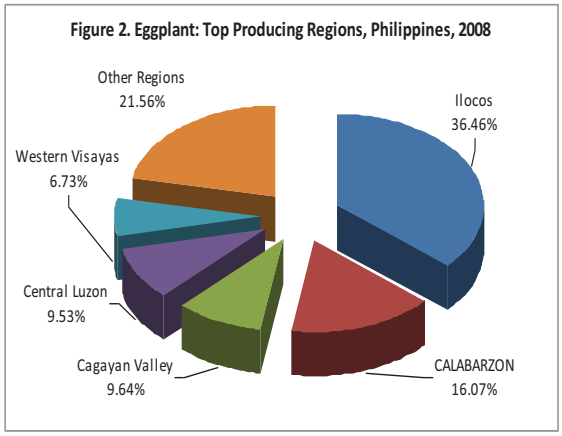


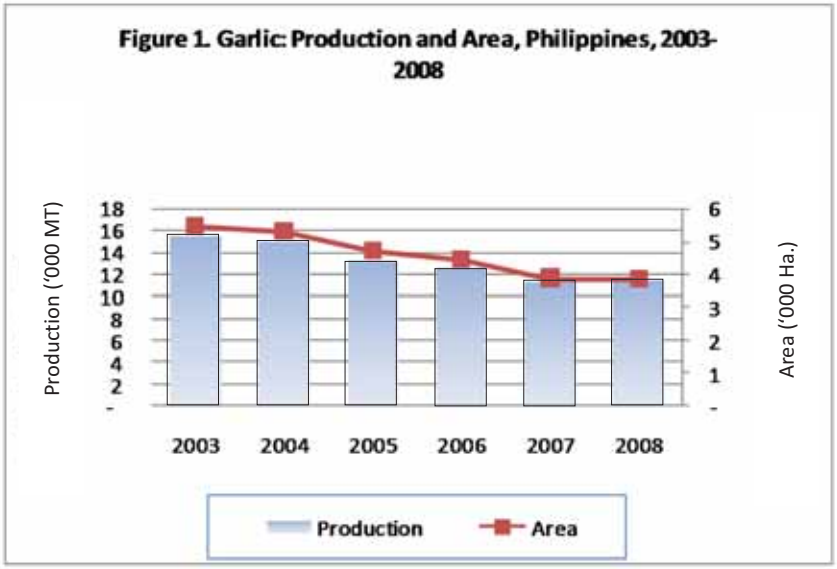
Table 5.4 EGGPLANT: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**176,991**	**182,753**	**187,793**	**191,911**	**210,156**	**199,579**
CAR	744	731	742	767	776	789
Ilocos Region	64,630	68,447	69,915	77,813	87,053	73,100
Cagayan Valley	14,941	16,900	16,842	15,190	18,626	19,335
Central Luzon	18,505	18,301	18,683	18,037	19,176	19,107
CALABARZON	32,074	31,397	32,044	28,716	30,423	32,213
MIMAROPA	2,440	2,366	2,409	2,262	2,213	2,354
Bicol Region	5,475	5,646	5,510	5,572	7,028	7,102
Western Visayas	11,141	11,658	12,397	13,038	14,385	13,486
Central Visayas	5,949	5,956	5,776	5,926	5,430	6,842
Eastern Visayas	2,034	2,075	2,178	2,159	2,252	2,219
Zamboanga Peninsula	1,738	1,680	1,729	1,768	1,745	1,752
Northern Mindanao	2,996	2,947	2,920	3,158	3,259	3,608
Davao Region	6,926	6,725	6,660	6,878	6,585	6,425
SOCCSKSARGEN	4,951	5,397	5,721	6,529	6,804	6,624
Caraga	1,865	1,925	3,674	3,499	3,793	4,006
ARMM	582	601	593	598	609	616
Area (Ha)						
PHILIPPINES	**20,984**	**21,068**	**21,233**	**20,901**	**21,613**	**21,299**
CAR	139	138	136	137	138	135
Ilocos Region	4,855	4,951	4,987	5,222	5,366	4,908
Cagayan Valley	1,774	1,864	1,921	1,904	1,939	1,960
Central Luzon	3,094	2,957	2,962	2,830	2,890	2,894
CALABARZON	1,972	1,944	1,992	1,607	1,731	1,762
MIMAROPA	944	939	947	915	897	919
Bicol Region	1,206	1,188	1,152	1,134	1,353	1,362
Western Visayas	1,360	1,401	1,412	1,404	1,459	1,384
Central Visayas	1,953	1,962	1,928	1,750	1,713	1,750
Eastern Visayas	320	324	330	332	338	339
Zamboanga Peninsula	514	480	487	529	527	532
Northern Mindanao	683	698	699	708	722	755
Davao Region	951	950	975	1,132	1,177	1,193
SOCCSKSARGEN	497	535	548	558	570	613
Caraga	516	532	546	530	574	579
ARMM	206	204	211	210	218	215
Yield Per Hectare (mt)						
PHILIPPINES	**8.43**	**8.67**	**8.84**	**9.18**	**9.72**	**9.37**
CAR	5.34	5.30	5.46	5.61	5.62	5.85
Ilocos Region	13.31	13.82	14.02	14.90	16.22	14.89
Cagayan Valley	8.42	9.07	8.77	7.98	9.61	9.86
Central Luzon	5.98	6.19	6.31	6.37	6.64	6.60
CALABARZON	16.26	16.15	16.09	17.87	17.58	18.28
MIMAROPA	2.58	2.52	2.55	2.47	2.47	2.56
Bicol Region	4.54	4.75	4.78	4.91	5.19	5.21
Western Visayas	8.19	8.32	8.78	9.29	9.86	9.74
Central Visayas	3.05	3.04	3.00	3.39	3.17	3.91
Eastern Visayas	6.36	6.40	6.60	6.50	6.65	6.55
Zamboanga Peninsula	3.38	3.50	3.55	3.34	3.31	3.29
Northern Mindanao	4.39	4.22	4.18	4.46	4.51	4.78
Davao Region	7.28	7.08	6.83	6.08	5.59	5.39
SOCCSKSARGEN	9.96	10.09	10.44	11.71	11.94	10.81
Caraga	3.62	3.62	6.73	6.60	6.61	6.92
ARMM	2.83	2.94	2.81	2.85	2.79	2.86

HIGHLIGHTS

GARLIC

Garlic production decreased continuously at an annual average rate of 6.98 percent from 2002 to 2007. However, it went up to 11.4 thousand mt in 2008 or 0.6 percent higher than 11.3 thousand mt in 2007 (Figure 1). Due to favorable weather, yield improved from 2.92 mt per hectare in 2007 to 2.95 mt per hectare in 2008.



Ilocos was the leading garlic producer sharing 72.57 percent of the country's total production in 2008 (Figure 2). MIMAROPA came next with 2.0 thousand mt (Table 5.10) or about 18 percent percent share to total production.

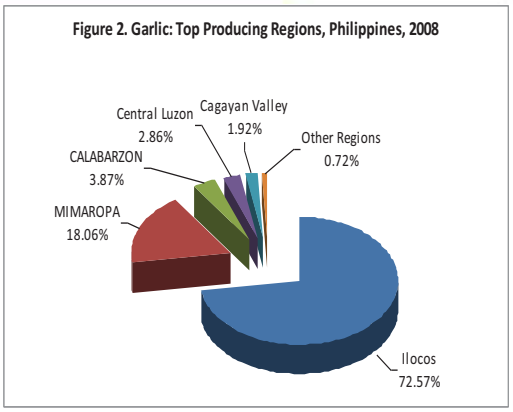


Table 5.5 GARLIC: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

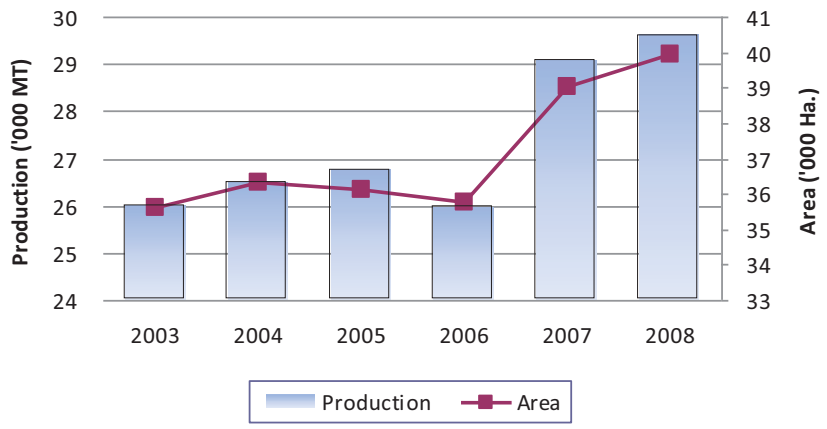
Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**15,529**	**14,999**	**13,234**	**12,581**	**11,285**	**11,348**
CAR	19	20	20	20	20	17
Ilocos Region	10,615	10,154	9,852	9,378	8,267	8,235
Cagayan Valley	183	185	156	153	220	218
Central Luzon	311	308	317	304	313	325
CALABARZON	2,211	2,093	660	617	465	439
MIMAROPA	2,048	2,128	2,110	2,001	1,912	2,049
Bicol Region	3	3	3	3	3	3
Western Visayas	114	85	102	98	81	60
Central Visayas	23	19	11	4	-	-
Eastern Visayas	4	4	4	4	4	4
Zamboanga Peninsula	-	-	-	-	-	-
Northern Mindanao	-	-	-	-	-	-
Davao Region	-	-	-	-	-	-
SOCCSKSARGEN	-	-	-	-	-	-
Caraga	-	-	-	-	-	-
ARMM	-	-	-	-	-	-
Area (Ha)						
PHILIPPINES	**5,459**	**5,312**	**4,704**	**4,448**	**3,863**	**3,849**
CAR	20	20	20	19	18	14
Ilocos Region	4,261	4,157	3,786	3,585	3,017	3,016
Cagayan Valley	75	74	69	64	74	64
Central Luzon	130	140	135	130	140	142
CALABARZON	395	346	126	117	93	86
MIMAROPA	536	541	535	506	499	512
Bicol Region	1	1	1	1	1	1
Western Visayas	32	24	25	21	18	14
Central Visayas	7	7	5	3	1	-
Eastern Visayas	2	2	2	2	2	2
Zamboanga Peninsula	-	-	-	-	-	-
Northern Mindanao	-	-	-	-	-	-
Davao Region	-	-	-	-	-	-
SOCCSKSARGEN	-	-	-	-	-	-
Caraga	-	-	-	-	-	-
ARMM	-	-	-	-	-	-
Yield Per Hectare (mt)						
PHILIPPINES	**2.84**	**2.82**	**2.81**	**2.83**	**2.92**	**2.95**
CAR	0.97	1.00	1.00	1.05	1.14	1.25
Ilocos Region	2.49	2.44	2.60	2.62	2.74	2.73
Cagayan Valley	2.43	2.50	2.26	2.39	2.98	3.40
Central Luzon	2.39	2.20	2.35	2.34	2.24	2.29
CALABARZON	5.60	6.05	5.24	5.28	5.00	5.13
MIMAROPA	3.82	3.93	3.94	3.95	3.83	4.00
Bicol Region	3.08	3.08	3.00	2.80	2.66	2.58
Western Visayas	3.55	3.54	4.07	4.65	4.50	4.25
Central Visayas	3.23	2.74	2.16	1.48	0.00	
Eastern Visayas	1.88	1.93	1.97	1.99	2.00	2.00
Zamboanga Peninsula						
Northern Mindanao						
Davao Region						
SOCCSKSARGEN						
Caraga						
ARMM						

HIGHLIGHTS

MONGO

Mongo production rose to 29.6 thousand mt in 2008 from 29.1 thousand mt or 1.9 percent increase from its 2007 level. Previous to this, production fluctuated from 2003 to 2006. Area harvested followed the fluctuating trend of production (Figure 1). Yield leveled at 0.74 mt from 2003 to 2008.

Figure 1. Mongo: Production and Area, Philippines, 2003-2008



Ilocos remained the largest producer with 11.34 thousand mt or 38.30 percent of the country's total production in 2008. Cagayan Valley ranked second largest producer with 4.96 thousand mt or 16.74 percent of the total production; followed by Western Visayas, 3.73 thousand mt or 12.58 percent share; and ARMM, 3.0 thousand mt production or 10.15 percent share to the total production (Table 5.15 and Figure 2).

Figure 2. Mongo: Top Producing Regions, Philippines, 2008

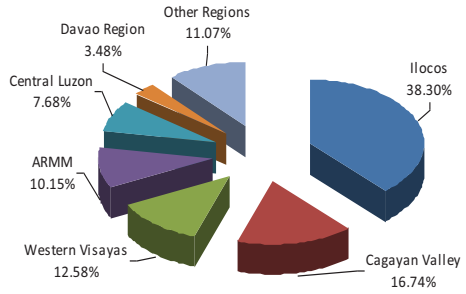


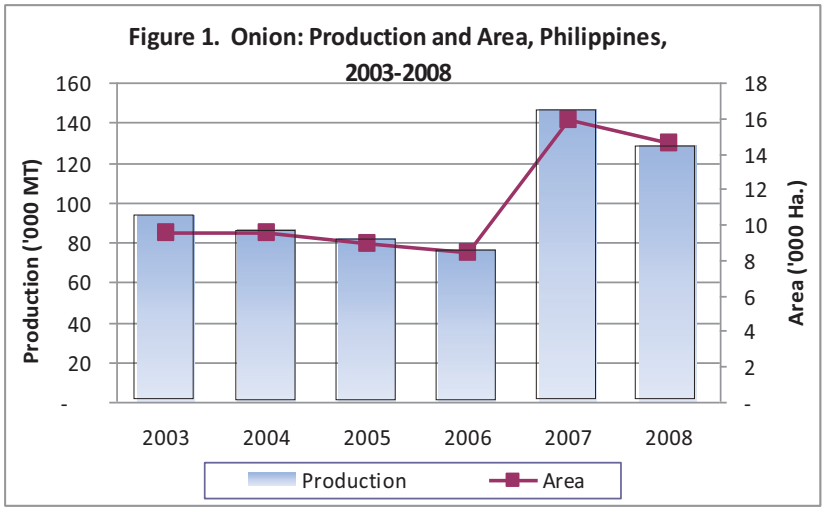
Table 5.6 MONGO: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**25,985**	**26,472**	**26,748**	**25,952**	**29,067**	**29,617**
CAR	125	120	123	126	143	142
Ilocos Region	10,618	11,115	11,046	11,592	11,767	11,342
Cagayan Valley	2,964	2,962	3,277	1,574	3,399	4,957
Central Luzon	1,958	2,047	2,058	2,134	2,224	2,275
CALABARZON	762	712	252	211	192	171
MIMAROPA	513	505	520	515	528	560
Bicol Region	149	145	140	134	164	164
Western Visayas	1,490	1,904	2,599	3,071	4,463	3,727
Central Visayas	918	816	817	720	644	739
Eastern Visayas	261	264	272	271	272	273
Zamboanga Peninsula	273	288	277	250	226	249
Northern Mindanao	293	315	316	343	349	347
Davao Region	1,109	1,125	1,118	1,093	1,055	1,032
SOCCSKSARGEN	603	569	588	584	535	511
Caraga	142	142	153	152	122	123
ARMM	3,805	3,442	3,193	3,183	2,985	3,005
Area (Ha)						
PHILIPPINES	**35,618**	**36,300**	**36,115**	**35,732**	**39,011**	**39,923**
CAR	159	152	149	150	175	172
Ilocos Region	11,247	11,437	10,842	11,124	11,030	10,628
Cagayan Valley	5,526	4,954	5,628	4,583	6,340	8,493
Central Luzon	3,100	3,090	2,994	3,012	3,091	3,080
CALABARZON	889	834	311	264	243	210
MIMAROPA	770	769	775	805	805	821
Bicol Region	258	253	254	237	267	262
Western Visayas	3,377	3,626	4,357	4,905	6,847	6,064
Central Visayas	2,026	2,091	2,078	1,934	1,758	1,916
Eastern Visayas	427	429	436	435	435	435
Zamboanga Peninsula	440	434	404	374	339	373
Northern Mindanao	448	481	478	491	493	491
Davao Region	1,409	1,457	1,552	1,549	1,540	1,536
SOCCSKSARGEN	731	693	725	752	676	634
Caraga	269	271	279	265	209	208
ARMM	4,543	5,329	4,853	4,852	4,765	4,602
Yield Per Hectare (mt)						
PHILIPPINES	**0.73**	**0.73**	**0.74**	**0.73**	**0.75**	**0.74**
CAR	0.79	0.79	0.82	0.84	0.82	0.83
Ilocos Region	0.94	0.97	1.02	1.04	1.07	1.07
Cagayan Valley	0.54	0.60	0.58	0.34	0.54	0.58
Central Luzon	0.63	0.66	0.69	0.71	0.72	0.74
CALABARZON	0.86	0.85	0.81	0.80	0.79	0.81
MIMAROPA	0.67	0.66	0.67	0.64	0.66	0.68
Bicol Region	0.58	0.58	0.55	0.56	0.61	0.63
Western Visayas	0.44	0.53	0.60	0.63	0.65	0.61
Central Visayas	0.45	0.39	0.39	0.37	0.37	0.39
Eastern Visayas	0.61	0.62	0.62	0.62	0.62	0.63
Zamboanga Peninsula	0.62	0.66	0.69	0.67	0.67	0.67
Northern Mindanao	0.66	0.66	0.66	0.70	0.71	0.71
Davao Region	0.79	0.77	0.72	0.71	0.69	0.67
SOCCSKSARGEN	0.83	0.82	0.81	0.78	0.79	0.81
Caraga	0.53	0.52	0.55	0.57	0.58	0.59
ARMM	0.84	0.65	0.66	0.66	0.63	0.65

HIGHLIGHTS

ONION

Onion production in 2008 went down to 128.9 thousand mt or 12 percent lower than the 146.1 thousand mt in 2007. The factors that affected production were delayed planting, early onset of rainfall in the first quarter and the spread of leaf curl disease that resulted to smaller bulb produced in Pangasinan and Nueva Ecija. Similarly, area harvested in 2008 went down to 14.6 thousand hectares or 8.2 percent lower than the 15.9 thousand hectares in 2007 (Figure 1). Yield also decreased from 9.86 to 8.84 mt per hectare or at the average annual rate of 2.1 percent from 2003 to 2008 (Table 5.17).



Central Luzon, MIMAROPA, and Ilocos were still the country's top onion producers in 2008 (Figure 2).

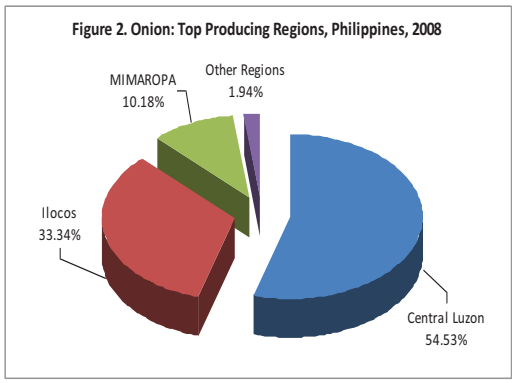


Table 5.7 ONION: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

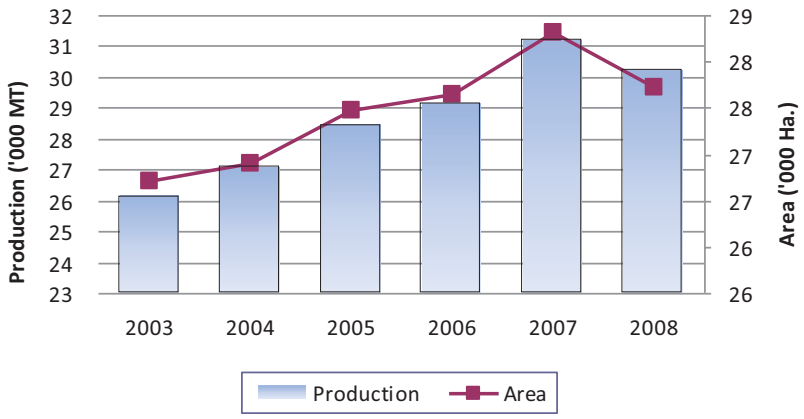
Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**93,842**	**86,741**	**82,019**	**75,978**	**146,108**	**128,923**
CAR	-	-	-	-	-	-
Ilocos Region	38,471	41,480	42,744	44,053	46,198	42,988
Cagayan Valley	1,266	1,643	1,358	965	4,826	2,046
Central Luzon	53,365	42,850	37,209	30,021	77,868	70,302
CALABARZON	252	253	215	230	200	200
MIMAROPA	108	228	248	448	16,598	13,129
Bicol Region	-	-	-	-	-	-
Western Visayas	77	87	121	184	367	217
Central Visayas	54	38	28	12	-	-
Eastern Visayas	-	-	-	-	-	-
Zamboanga Peninsula	72	17	16	16	16	16
Northern Mindanao	110	71	7	-	-	-
Davao Region	-	-	-	-	-	-
SOCCSKSARGEN	68	74	73	49	36	25
Caraga	-	-	-	-	-	-
ARMM	-	-	-	-	-	-
Area (Ha)						
PHILIPPINES	**9,516**	**9,512**	**8,884**	**8,442**	**15,879**	**14,579**
CAR	-	-	-	-	-	-
Ilocos Region	4,731	4,870	4,961	4,840	4,930	4,837
Cagayan Valley	199	213	183	180	524	369
Central Luzon	4,383	4,206	3,527	3,169	8,294	7,667
CALABARZON	46	45	41	39	33	35
MIMAROPA	53	98	103	150	2,002	1,602
Bicol Region	-	-	-	-	-	-
Western Visayas	23	24	24	33	73	48
Central Visayas	6	5	4	2	-	-
Eastern Visayas	-	-	-	-	-	-
Zamboanga Peninsula	38	16	17	17	17	18
Northern Mindanao	22	16	7	-	-	-
Davao Region	-	-	-	-	-	-
SOCCSKSARGEN	16	19	18	12	6	3
Caraga	-	-	-	-	-	-
ARMM	-	-	-	-	-	-
Yield Per Hectare (mt)						
PHILIPPINES	**9.86**	**9.12**	**9.23**	**9.00**	**9.20**	**8.84**
CAR						
Ilocos Region	8.13	8.52	8.62	9.10	9.37	8.89
Cagayan Valley	6.36	7.71	7.42	5.36	9.21	5.54
Central Luzon	12.18	10.19	10.55	9.47	9.39	9.17
CALABARZON	5.47	5.62	5.24	5.93	6.05	5.79
MIMAROPA	2.04	2.33	2.41	2.98	8.29	8.20
Bicol Region						
Western Visayas	3.34	3.61	5.16	5.53	5.03	4.52
Central Visayas	8.99	7.12	6.92	5.88		
Eastern Visayas						
Zamboanga Peninsula	1.92	1.05	0.95	0.94	0.96	0.90
Northern Mindanao	5.02	4.45	1.03			
Davao Region						
SOCCSKSARGEN	4.27	3.92	4.06	4.10	5.63	7.86
Caraga						
ARMM						

HIGHLIGHTS

PEANUT

Peanut production in 2008 dropped to 30.2 thousand mt from 31.2 thousand mt in 2007. Likewise, area harvested decreased to 27.7 thousand hectares in 2008 from 28.3 thousand hectares in 2007 (Figure 1). The reductions were attributed to crop shifting to yellow corn, mongo, string beans and watermelon in Pangasinan, La Union and Cagayan in the second quarter of 2008.

Figure 1. Peanut: Production and Area, Philippines, 2003-2008



Thirty nine (39) percent of the peanut produced in the country was from the Ilocos region (Figure 2). The other top producing regions were Cagayan Valley (4.1 thousand mt), Northern Mindanao (2.9 thousand mt), Western Visayas (2.3 thousand mt) and Central Luzon (1.9 thousand mt) (Table 5.18).

Figure 2. Peanut: Top Producing Regions, Philippines, 2008

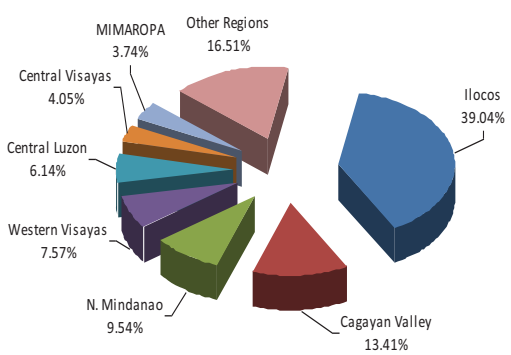


Table 5.8 PEANUT: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

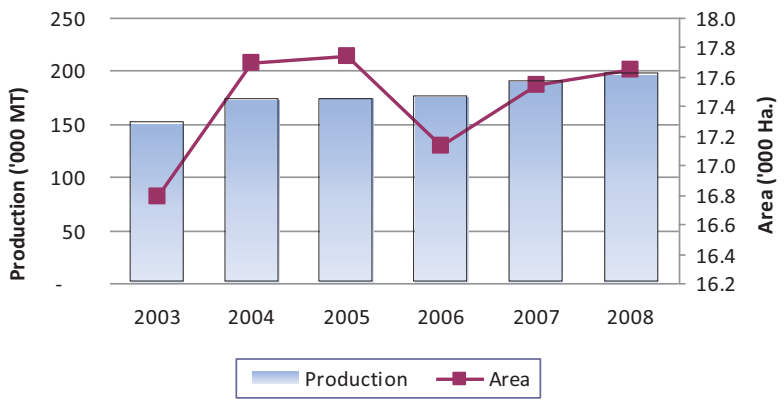
Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**26,125**	**27,087**	**28,437**	**29,151**	**31,205**	**30,247**
CAR	158	162	163	163	137	131
Ilocos Region	10,465	11,166	11,877	12,330	13,054	11,808
Cagayan Valley	3,319	3,370	3,436	3,579	4,072	4,056
Central Luzon	1,923	1,886	1,897	1,900	1,882	1,857
CALABARZON	641	689	711	704	756	751
MIMAROPA	810	887	907	921	927	1,132
Bicol Region	887	894	902	917	956	948
Western Visayas	1,004	1,111	1,374	1,599	2,110	2,290
Central Visayas	1,685	1,663	1,641	1,369	1,286	1,225
Eastern Visayas	455	461	512	509	521	551
Zamboanga Peninsula	481	505	522	536	537	544
Northern Mindanao	2,095	2,096	2,310	2,412	2,946	2,886
Davao Region	570	601	641	665	669	679
SOCCSKSARGEN	642	605	591	636	554	605
Caraga	300	303	286	270	164	150
ARMM	691	690	668	643	635	636
Area (Ha)						
PHILIPPINES	**26,709**	**26,896**	**27,472**	**27,642**	**28,316**	**27,726**
CAR	282	280	282	282	258	254
Ilocos Region	7,396	7,713	7,922	8,126	8,395	7,641
Cagayan Valley	3,433	3,242	3,429	3,295	3,396	3,351
Central Luzon	1,432	1,413	1,420	1,429	1,444	1,419
CALABARZON	1,148	1,177	1,147	1,101	970	980
MIMAROPA	1,161	1,166	1,171	1,167	1,157	1,176
Bicol Region	1,446	1,393	1,360	1,345	1,382	1,379
Western Visayas	2,126	2,211	2,417	2,667	3,262	3,390
Central Visayas	1,834	1,911	1,864	1,729	1,697	1,699
Eastern Visayas	860	860	868	867	869	868
Zamboanga Peninsula	1,031	1,016	1,008	1,009	985	1,047
Northern Mindanao	1,785	1,788	1,937	1,967	2,010	1,985
Davao Region	735	745	770	787	795	802
SOCCSKSARGEN	538	497	476	500	452	504
Caraga	398	402	381	359	237	233
ARMM	1,105	1,081	1,020	1,012	1,008	999
Yield Per Hectare (mt)						
PHILIPPINES	**0.98**	**1.01**	**1.04**	**1.05**	**1.10**	**1.09**
CAR	0.56	0.58	0.58	0.58	0.53	0.51
Ilocos Region	1.42	1.45	1.50	1.52	1.55	1.55
Cagayan Valley	0.97	1.04	1.00	1.09	1.20	1.21
Central Luzon	1.34	1.33	1.34	1.33	1.30	1.31
CALABARZON	0.56	0.59	0.62	0.64	0.78	0.77
MIMAROPA	0.70	0.76	0.77	0.79	0.80	0.96
Bicol Region	0.61	0.64	0.66	0.68	0.69	0.69
Western Visayas	0.47	0.50	0.57	0.60	0.65	0.68
Central Visayas	0.92	0.87	0.88	0.79	0.76	0.72
Eastern Visayas	0.53	0.54	0.59	0.59	0.60	0.63
Zamboanga Peninsula	0.47	0.50	0.52	0.53	0.54	0.52
Northern Mindanao	1.17	1.17	1.19	1.23	1.47	1.45
Davao Region	0.78	0.81	0.83	0.84	0.84	0.85
SOCCSKSARGEN	1.19	1.22	1.24	1.27	1.23	1.20
Caraga	0.75	0.75	0.75	0.75	0.69	0.65
ARMM	0.63	0.64	0.65	0.63	0.63	0.64

HIGHLIGHTS

TOMATO

Tomato production moved upward from 150 thousand mt in 2003 to 196 thousand mt in 2008 or an average annual growth rate of 5.6 percent. Area increased from 16.8 thousand hectares in 2003 to 17.6 thousand hectares in 2008 with an annual growth rate of 1.0 percent (Figure 1). Average yield recorded an annual growth rate of 4.5 percent from 8.9 mt per hectare in 2003 to 11 mt per hectare in 2008 (Table 5.21).

Figure 1. Tomato: Production and Area, Philippines, 2003-2008



Ilocos was the consistent top producer with 62 thousand mt production in 2008 or 31.53 percent of the country's total tomato production. The other top producing regions and their shares to total production were Northern Mindanao (25.77 percent), Central Luzon (10.63 percent) and CALABARZON (8.25 percent).

Figure 2. Tomato: Top Producing Regions, Philippines, 2008

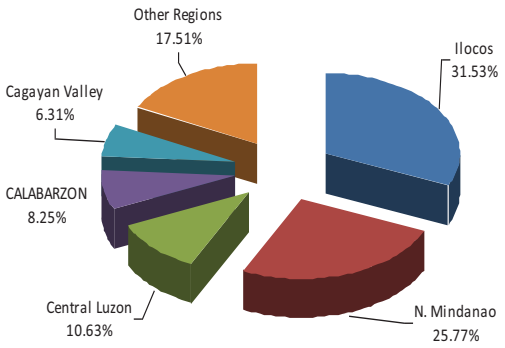


Table 5.9 TOMATO: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**150,055**	**172,344**	**173,740**	**175,596**	**188,761**	**195,810**
CAR	3,691	3,657	3,611	3,587	4,043	3,974
Ilocos Region	52,916	58,079	55,326	54,253	60,827	61,747
Cagayan Valley	6,890	7,121	7,247	12,515	13,508	12,356
Central Luzon	17,320	19,140	19,790	18,237	21,333	20,816
CALABARZON	18,444	18,531	18,373	15,832	15,917	16,145
MIMAROPA	872	883	961	933	978	1,013
Bicol Region	3,618	3,268	3,226	3,068	3,656	3,506
Western Visayas	9,809	10,142	10,700	10,514	10,669	9,710
Central Visayas	4,468	4,583	4,266	3,925	3,457	3,367
Eastern Visayas	708	718	737	732	754	747
Zamboanga Peninsula	1,261	1,508	1,589	1,743	1,751	1,795
Northern Mindanao	20,713	34,988	37,999	40,262	41,698	50,451
Davao Region	4,105	4,290	4,303	4,347	4,378	4,393
SOCCSKSARGEN	4,516	4,695	4,872	4,916	5,039	5,019
Caraga	278	292	318	308	327	341
ARMM	444	450	420	424	425	430
Area (Ha)						
PHILIPPINES	**16,779**	**17,687**	**17,731**	**17,128**	**17,544**	**17,646**
CAR	384	383	380	376	388	379
Ilocos Region	3,892	4,119	3,901	3,775	3,866	3,793
Cagayan Valley	956	960	951	895	916	901
Central Luzon	3,387	3,515	3,594	3,311	3,523	3,342
CALABARZON	1,479	1,475	1,468	1,283	1,327	1,340
MIMAROPA	219	217	223	216	222	231
Bicol Region	597	561	558	556	599	578
Western Visayas	806	831	854	832	857	816
Central Visayas	1,564	1,598	1,548	1,501	1,346	1,364
Eastern Visayas	93	96	99	102	104	105
Zamboanga Peninsula	411	418	455	494	483	501
Northern Mindanao	1,584	2,073	2,221	2,301	2,386	2,763
Davao Region	598	608	608	618	641	649
SOCCSKSARGEN	614	636	671	666	676	677
Caraga	65	65	71	72	78	78
ARMM	130	132	130	131	133	128
Yield Per Hectare (mt)						
PHILIPPINES	**8.94**	**9.74**	**9.80**	**10.25**	**10.76**	**11.10**
CAR	9.61	9.55	9.50	9.55	10.42	10.49
Ilocos Region	13.60	14.10	14.18	14.37	15.73	16.28
Cagayan Valley	7.21	7.42	7.62	13.98	14.75	13.71
Central Luzon	5.11	5.45	5.51	5.51	6.06	6.23
CALABARZON	12.47	12.56	12.52	12.34	11.99	12.05
MIMAROPA	3.98	4.07	4.31	4.33	4.41	4.38
Bicol Region	6.06	5.82	5.78	5.52	6.11	6.07
Western Visayas	12.17	12.21	12.54	12.64	12.45	11.91
Central Visayas	2.86	2.87	2.76	2.62	2.57	2.47
Eastern Visayas	7.62	7.49	7.47	7.17	7.27	7.11
Zamboanga Peninsula	3.07	3.61	3.49	3.53	3.63	3.58
Northern Mindanao	13.08	16.88	17.11	17.50	17.48	18.26
Davao Region	6.86	7.06	7.08	7.03	6.83	6.77
SOCCSKSARGEN	7.35	7.38	7.26	7.38	7.45	7.41
Caraga	4.32	4.49	4.48	4.31	4.19	4.37
ARMM	3.41	3.41	3.23	3.23	3.20	3.35

HIGHLIGHTS

PRIORITY and OTHER VEGETABLES

Figures 1 and 2 show the trends of production of priority and other vegetables.

Chinese pechay production increased from 35 thousand mt in 2003 to 50 thousand mt in 2008 registering an annual growth rate of 8 percent (Table 5.19). Likewise, broccoli production increased from 5.3 thousand mt in 2003 to 9.8 thousand mt in 2008 or an annual growth rate of 9.4 percent (Table 5.2). The increases were attributed to favorable weather condition, improved planting and pests control technologies, and with increasing demands and government interventions.

On the other hand, gourd production decreased from 128 thousand mt in 2003 to 104 thousand mt in 2008 or at an annual declining rate of 4.1 percent (Table 5.12). Asparagus and ubi productions also decreased from 15.2 and 27.9 thousand mt in 2003 to 11.9 and 24.2 thousand mt in 2008, respectively (Table 5.1 & 5.22). Typhoons, heavy rainfall, flash floods and other calamities caused production and area harvested to fluctuate.

Production and area harvested of other vegetables such as gabi, cauliflower, habitchuelas, lettuce, native pechay and okra increased from 2003 to 2008.

Figure 1. Production : Priority and other vegetables, 2003-2008

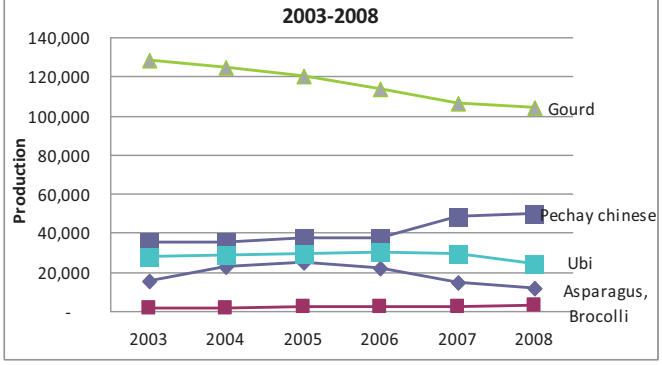


Figure 2. Production : Priority and other vegetables, 2003-2008

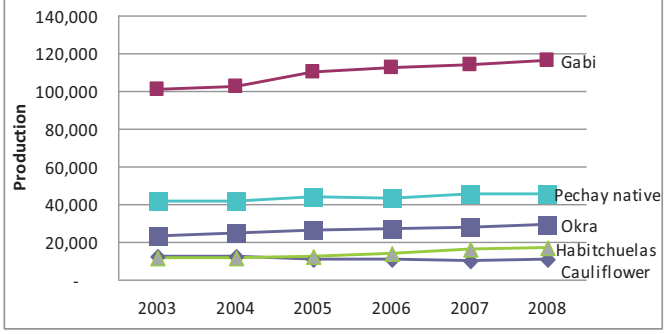


Table 5.10 ASPARAGUS: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**15,211**	**22,367**	**25,231**	**21,938**	**14,845**	**11,891**
CAR	16	10	7	3	2	1
Ilocos Region	-	-	-	-	-	-
Cagayan Valley	-	-	-	-	-	-
Central Luzon	-	-	-	1	-	-
CALABARZON	-	-	-	-	-	-
MIMAROPA	-	-	-	-	-	-
Bicol Region	-	-	-	-	-	-
Western Visayas	-	1	1	1	2	2
Central Visayas	2	2	1	1	2	5
Eastern Visayas	-	-	-	-	-	-
Zamboanga Peninsula	-	-	-	-	-	-
Northern Mindanao	203	596	615	651	584	18
Davao Region	-	-	-	-	-	-
SOCCSKSARGEN	14,989	21,759	24,608	21,280	14,256	11,865
Caraga	-	-	-	-	-	-
ARMM	-	-	-	-	-	-
Area (Ha)						
PHILIPPINES	**1,513**	**1,654**	**1,614**	**1,524**	**970**	**706**
CAR	2	1	1	1	1	1
Ilocos Region	-	-	-	-	-	-
Cagayan Valley	-	-	-	-	-	-
Central Luzon	-	-	-	0.4	-	-
CALABARZON	-	-	-	-	-	-
MIMAROPA	-	-	-	-	-	-
Bicol Region	-	-	-	-	-	-
Western Visayas	-	-	0.2	0.3	0.3	0.3
Central Visayas	3	3	3	2	3	5
Eastern Visayas	-	-	-	-	-	-
Zamboanga Peninsula	-	-	-	-	-	-
Northern Mindanao	193	200	200	210	211	5
Davao Region	-	-	-	-	-	-
SOCCSKSARGEN	1,315	1,450	1,410	1,310	755	695
Caraga	-	-	-	-	-	-
ARMM	-	-	-	-	-	-
Yield Per Hectare (mt)						
PHILIPPINES	**10.05**	**13.52**	**15.63**	**14.40**	**15.30**	**16.85**
CAR	8.19	9.62	6.56	3.28	1.65	1.70
Ilocos Region						
Cagayan Valley						
Central Luzon				1.50		
CALABARZON						
MIMAROPA						
Bicol Region						
Western Visayas			5.00	5.40	5.77	6.52
Central Visayas	0.67	0.54	0.31	0.59	0.53	0.99
Eastern Visayas						
Zamboanga Peninsula						
Northern Mindanao	1.05	2.98	3.08	3.10	2.77	3.60
Davao Region						
SOCCSKSARGEN	11.40	15.01	17.45	16.24	18.88	17.07
Caraga						
ARMM						

Table 5.11 BROCOLLI: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007		2008
Production (mt)							
PHILIPPINES	**1,669**	**1,757**	**2,072**	**2,265**	**2,370**		**2,603**
CAR	1,652	1,683	1,697	1,712	1,786		1,852
Ilocos Region							
Cagayan Valley							
Central Luzon							
CALABARZON					3		4
MIMAROPA							
Bicol Region							
Western Visayas		1	2	2	3		3
Central Visayas			37	32	31		96
Eastern Visayas							
Zamboanga Peninsula							
Northern Mindanao	17	74	336	518	546		640
Davao Region							6
SOCCSKSARGEN					2		2
Caraga							
ARMM							
Area (Ha)							
PHILIPPINES	**160**	**173**	**207**	**229**	**240**	**R/**	**259**
CAR	155	156	157	157	161		162
Ilocos Region							
Cagayan Valley							
Central Luzon							
CALABARZON					0.40		1
MIMAROPA							
Bicol Region							
Western Visayas			0.33	0.37	0.43		0.42
Central Visayas			3	4	4		5
Eastern Visayas							
Zamboanga Peninsula							
Northern Mindanao	5	17	47	68	72		86
Davao Region							2
SOCCSKSARGEN					2		3
Caraga							
ARMM							
Yield Per Hectare (mt)							
PHILIPPINES	**10.43**	**10.16**	**9.99**	**9.89**	**9.88**		**10.05**
CAR	10.66	10.79	10.81	10.91	11.09		11.43
Ilocos Region							
Cagayan Valley							
Central Luzon							
CALABARZON					6.25		7.74
MIMAROPA							
Bicol Region							
Western Visayas			6.24	6.35	6.93		6.90
Central Visayas			12.28	8.04	7.66		18.40
Eastern Visayas							
Zamboanga Peninsula							
Northern Mindanao	3.34	4.35	7.15	7.65	7.59		7.45
Davao Region							3.03
SOCCSKSARGEN					0.87		0.66
Caraga							
ARMM							

R/ - Revised

Table 5.12 CARROTS: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**34,666**	**35,784**	**35,418**	**35,694**	**65,024**	**68,366**
CAR	27,412	28,043	27,943	27,966	57,491	60,303
Ilocos Region			1	1	2	2
Cagayan Valley	685	693	611	820	831	802
Central Luzon	3	3	4	4	4	4
CALABARZON	40	37	23	18	17	18
MIMAROPA						
Bicol Region						
Western Visayas	45	106	109	106	129	129
Central Visayas	4,071	4,191	3,867	4,021	3,706	3,885
Eastern Visayas	9	9	9	10	12	13
Zamboanga Peninsula	122	130	128	129	129	133
Northern Mindanao	330	574	718	766	828	1,201
Davao Region	1,511	1,455	1,451	1,423	1,440	1,400
SOCCSKSARGEN	423	527	542	417	427	466
Caraga	15	16	14	12	10	10
ARMM						
Area (Ha)						
PHILIPPINES	**3,505**	**3,562**	**3,585**	**3,481**	**4,898**	**5,075**
CAR	1,769	1,785	1,795	1,793	3,269	3,382
Ilocos Region			0.3	0.5	1	1
Cagayan Valley	135	136	130	129	123	119
Central Luzon	2	2	2	2	2	2
CALABARZON	7	6	4	2	3	3
MIMAROPA						
Bicol Region						
Western Visayas	18	18	18	18	20	21
Central Visayas	827	884	894	819	770	815
Eastern Visayas	3	3	3	3	3	4
Zamboanga Peninsula	77	83	77	82	78	87
Northern Mindanao	74	87	104	108	117	131
Davao Region	402	390	393	389	376	369
SOCCSKSARGEN	188	164	163	133	134	140
Caraga	3	3	2	2	2	2
ARMM						
Yield Per Hectare (mt)						
PHILIPPINES	**9.89**	**10.05**	**9.88**	**10.26**	**13.28**	**13.47**
CAR	15.50	15.71	15.57	15.60	17.59	17.83
Ilocos Region			4.00	2.92	2.99	3.07
Cagayan Valley	5.08	5.10	4.70	6.36	6.76	6.74
Central Luzon	1.49	1.54	1.87	1.93	2.04	2.08
CALABARZON	5.66	6.16	5.75	9.00	5.67	6.14
MIMAROPA						
Bicol Region						
Western Visayas	2.49	5.88	6.04	5.87	6.43	6.09
Central Visayas	4.92	4.74	4.33	4.91	4.81	4.77
Eastern Visayas	2.84	2.89	3.07	3.16	3.55	3.64
Zamboanga Peninsula	1.58	1.56	1.66	1.58	1.65	1.54
Northern Mindanao	4.49	6.59	6.90	7.09	7.07	9.15
Davao Region	3.76	3.73	3.69	3.66	3.83	3.79
SOCCSKSARGEN	2.25	3.21	3.32	3.15	3.19	3.33
Caraga	4.58	5.22	6.28	5.37	4.75	4.53
ARMM						

Table 5.13 CAULIFLOWER: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**12,324**	**12,007**	**10,641**	**10,489**	**10,148**	**10,758**
CAR	4,611	4,667	4,710	4,652	4,811	4,972
Ilocos Region	7,251	6,656	5,042	4,942	4,363	4,605
Cagayan Valley	37	43	26	65	93	67
Central Luzon	62	50	55	50	45	32
CALABARZON						1
MIMAROPA						
Bicol Region						
Western Visayas	2	2	3	5	6	6
Central Visayas	49	52	56	66	74	77
Eastern Visayas						
Zamboanga Peninsula	2	2	2	2	2	3
Northern Mindanao	81	115	276	387	442	691
Davao Region	152	194	210	190	173	162
SOCCSKSARGEN	53	202	247	118	129	143
Caraga						
ARMM	25	24	15	13	8	
Area (Ha)						
PHILIPPINES	**985**	**1,044**	**1,017**	**976 R/**	**974 R/**	**1,004**
CAR	346	347	347	343	345	345
Ilocos Region	534	534	479	451	443	443
Cagayan Valley	18	23	20	23	23	23
Central Luzon	9	8	9	8	7	6
CALABARZON						0.30
MIMAROPA						
Bicol Region						
Western Visayas	0.30	1	1	1	1	1
Central Visayas	8	19	21	25	27	27
Eastern Visayas						
Zamboanga Peninsula	2	2	2	2	2	2
Northern Mindanao	15	20	41	54	62	91
Davao Region	24	37	39	37	35	34
SOCCSKSARGEN	23	47	51	27	28	32
Caraga						
ARMM	6	7	7	5	2	
Yield Per Hectare (mt)						
PHILIPPINES	**12.51**	**11.50**	**10.47**	**10.75**	**10.42**	**10.72**
CAR	13.33	13.45	13.57	13.56	13.95	14.41
Ilocos Region	13.58	12.47	10.53	10.96	9.86	10.40
Cagayan Valley	2.06	1.88	1.31	2.80	4.03	2.92
Central Luzon	6.89	6.25	6.06	6.25	6.43	5.33
CALABARZON						2.77
MIMAROPA						
Bicol Region						
Western Visayas	6.17	4.13	6.27	6.87	6.83	7.01
Central Visayas	6.19	2.73	2.66	2.62	2.76	2.86
Eastern Visayas						
Zamboanga Peninsula	0.90	0.91	0.97	1.02	1.20	1.27
Northern Mindanao	5.39	5.72	6.71	7.20	7.13	7.59
Davao Region	6.31	5.26	5.38	5.12	4.96	4.76
SOCCSKSARGEN	2.34	4.30	4.84	4.34	4.69	4.51
Caraga						
ARMM	4.13	3.44	2.14	2.60	4.00	

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Table 5.14 GABI: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**100,705**	**102,274**	**109,700**	**111,942**	**113,954**	**115,956**
CAR	4,995	4,994	5,011	5,065	5,115	5,148
Ilocos Region	3,039	3,150	3,180	3,273	3,500	3,569
Cagayan Valley	14,561	14,865	14,302	15,251	15,472	15,165
Central Luzon	6,133	6,287	6,386	6,478	6,592	6,778
CALABARZON	6,889	6,880	6,873	6,750	6,666	6,463
MIMAROPA	2,891	2,954	3,022	3,006	3,018	3,083
Bicol Region	13,916	13,652	14,222	13,582	13,717	14,158
Western Visayas	3,319	3,938	4,301	4,788	4,789	4,890
Central Visayas	9,838	10,213	8,697	9,551	9,562	9,837
Eastern Visayas	16,006	16,253	17,070	18,118	18,596	20,253
Zamboanga Peninsula	1,597	1,565	1,623	1,586	1,532	1,518
Northern Mindanao	1,847	1,932	1,938	2,017	2,549	2,639
Davao Region	2,860	2,923	2,913	2,946	2,909	2,913
SOCCSKSARGEN	3,818	4,007	4,306	4,231	4,022	4,060
Caraga	8,009	7,644	14,850	14,292	14,909	14,460
ARMM	989	1,016	1,007	1,010	1,006	1,021
Area (Ha)						
PHILIPPINES	**18,202**	**18,081**	**18,077**	**18,155**	**18,215**	**18,168**
CAR	447	441	446	450	449	446
Ilocos Region	427	438	448	452	473	483
Cagayan Valley	1,820	1,824	1,798	1,803	1,788	1,749
Central Luzon	911	924	900	914	930	963
CALABARZON	1,022	1,023	1,069	1,043	1,042	1,022
MIMAROPA	619	634	647	643	659	669
Bicol Region	1,671	1,653	1,677	1,621	1,620	1,622
Western Visayas	575	613	613	666	658	663
Central Visayas	2,500	2,318	2,215	2,298	2,271	2,209
Eastern Visayas	4,493	4,502	4,535	4,546	4,589	4,635
Zamboanga Peninsula	366	363	366	362	347	338
Northern Mindanao	234	243	250	253	270	275
Davao Region	342	354	358	356	352	341
SOCCSKSARGEN	264	272	280	274	279	283
Caraga	2,348	2,312	2,322	2,321	2,335	2,315
ARMM	163	167	154	155	153	154
Yield Per Hectare (mt)						
PHILIPPINES	**5.53**	**5.66**	**6.07**	**6.17**	**6.26**	**6.38**
CAR	11.17	11.32	11.24	11.25	11.39	11.54
Ilocos Region	7.11	7.19	7.11	7.24	7.39	7.39
Cagayan Valley	8.00	8.15	7.95	8.46	8.65	8.67
Central Luzon	6.73	6.80	7.10	7.09	7.09	7.04
CALABARZON	6.74	6.73	6.43	6.47	6.40	6.32
MIMAROPA	4.67	4.66	4.67	4.68	4.58	4.61
Bicol Region	8.33	8.26	8.48	8.38	8.47	8.73
Western Visayas	5.77	6.42	7.02	7.19	7.28	7.38
Central Visayas	3.94	4.41	3.93	4.16	4.21	4.45
Eastern Visayas	3.56	3.61	3.76	3.99	4.05	4.37
Zamboanga Peninsula	4.36	4.31	4.43	4.38	4.42	4.49
Northern Mindanao	7.89	7.95	7.75	7.98	9.44	9.60
Davao Region	8.36	8.26	8.14	8.29	8.26	8.54
SOCCSKSARGEN	14.46	14.73	15.38	15.46	14.44	14.35
Caraga	3.41	3.31	6.40	6.16	6.39	6.25
ARMM	6.07	6.09	6.54	6.51	6.57	6.64

Table 5.15 GINGER: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**22,616**	**24,063**	**24,700**	**27,261**	**27,946**	**27,538**
CAR	1,051	1,056	1,055	1,061	1,078	1,053
Ilocos Region	629	671	698	682	712	751
Cagayan Valley	5,720	5,431	5,047	5,566	6,160	5,574
Central Luzon	843	853	950	1,055	1,140	1,173
CALABARZON	3,071	4,168	4,492	4,969	4,921	4,707
MIMAROPA	250	260	284	290	297	313
Bicol Region	260	250	280	248	247	295
Western Visayas	913	1,222	1,427	1,587	1,526	1,398
Central Visayas	1,328	1,300	1,379	1,817	1,696	1,722
Eastern Visayas	1,936	1,984	2,044	2,064	2,110	2,132
Zamboanga Peninsula	413	509	560	568	563	576
Northern Mindanao	3,013	3,065	3,114	4,029	4,238	4,678
Davao Region	1,118	1,139	1,106	1,091	1,092	1,060
SOCCSKSARGEN	715	769	861	827	772	770
Caraga	461	479	512	513	506	477
ARMM	896	906	891	894	888	860
Area (Ha)						
PHILIPPINES	**3,611**	**3,795**	**3,873**	**3,941**	**3,974**	**3,926**
CAR	151	152	153	155	157	154
Ilocos Region	100	104	105	104	108	116
Cagayan Valley	885	919	849	856	873	811
Central Luzon	147	148	156	167	176	178
CALABARZON	355	379	407	416	420	406
MIMAROPA	74	77	84	88	95	104
Bicol Region	75	73	79	71	71	70
Western Visayas	139	177	210	230	225	216
Central Visayas	320	350	368	341	328	326
Eastern Visayas	244	247	259	266	266	272
Zamboanga Peninsula	76	95	97	103	106	112
Northern Mindanao	556	580	592	633	634	661
Davao Region	210	213	221	225	235	227
SOCCSKSARGEN	109	103	109	105	101	98
Caraga	61	63	65	62	62	58
ARMM	108	116	119	120	118	118
Yield Per Hectare (mt)						
PHILIPPINES	**6.26**	**6.34**	**6.38**	**6.92**	**7.03**	**7.01**
CAR	6.96	6.95	6.89	6.85	6.86	6.84
Ilocos Region	6.27	6.42	6.65	6.56	6.59	6.49
Cagayan Valley	6.46	5.91	5.94	6.50	7.06	6.87
Central Luzon	5.73	5.77	6.09	6.32	6.48	6.59
CALABARZON	8.65	11.00	11.04	11.94	11.72	11.59
MIMAROPA	3.38	3.38	3.38	3.30	3.12	3.02
Bicol Region	3.46	3.43	3.54	3.50	3.50	4.21
Western Visayas	6.55	6.92	6.78	6.92	6.80	6.46
Central Visayas	4.14	3.71	3.75	5.33	5.17	5.28
Eastern Visayas	7.94	8.03	7.91	7.75	7.92	7.84
Zamboanga Peninsula	5.43	5.36	5.77	5.52	5.30	5.14
Northern Mindanao	5.42	5.28	5.26	6.37	6.69	7.08
Davao Region	5.32	5.35	5.01	4.84	4.65	4.68
SOCCSKSARGEN	6.56	7.51	7.90	7.88	7.64	7.89
Caraga	7.55	7.60	7.88	8.27	8.16	8.17
ARMM	8.30	7.81	7.49	7.45	7.51	7.30

Table 5.16 GOURD: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**128,387**	**124,251**	**120,423**	**113,421**	**106,291**	**104,029**
CAR	1,261	1,218	1,254	1,281	1,282	1,288
Ilocos Region	11,463	11,467	11,568	11,258	11,521	10,754
Cagayan Valley	17,583	18,116	16,881	13,286	13,961	14,949
Central Luzon	9,509	9,110	8,904	9,131	9,805	9,726
CALABARZON	44,808	42,424	41,132	38,568	30,843	29,851
MIMAROPA	447	442	459	434	432	447
Bicol Region	3,193	2,869	2,889	2,789	3,670	3,514
Western Visayas	3,956	2,721	2,626	2,464	2,448	2,366
Central Visayas	8,205	8,915	8,206	8,200	7,722	7,416
Eastern Visayas	3,518	3,573	3,644	3,643	3,691	3,664
Zamboanga Peninsula	12,951	12,802	12,129	11,602	10,127	8,972
Northern Mindanao	4,510	3,608	3,663	3,657	3,502	3,718
Davao Region	2,915	2,959	3,018	3,016	3,098	3,088
SOCCSKSARGEN	1,451	1,465	1,430	1,451	1,501	1,500
Caraga	1,708	1,652	1,769	1,804	1,847	1,922
ARMM	907	912	852	838	840	854
Area (Ha)						
PHILIPPINES	**10,269**	**9,675**	**9,606**	**9,088**	**8,382**	**8,305**
CAR	184	183	177	177	176	176
Ilocos Region	668	659	724	706	714	686
Cagayan Valley	973	1,016	1,020	957	983	1,012
Central Luzon	866	630	600	603	638	638
CALABARZON	4,186	4,050	4,019	3,666	2,821	2,760
MIMAROPA	67	67	71	67	66	74
Bicol Region	155	147	153	149	267	263
Western Visayas	231	244	238	223	227	220
Central Visayas	679	553	552	542	543	558
Eastern Visayas	287	289	294	300	303	304
Zamboanga Peninsula	865	827	746	700	641	594
Northern Mindanao	513	423	422	405	393	398
Davao Region	304	311	318	319	333	336
SOCCSKSARGEN	144	118	116	122	125	126
Caraga	81	83	91	90	93	98
ARMM	66	75	65	62	61	63
Yield Per Hectare (mt)						
PHILIPPINES	**12.50**	**12.84**	**12.54**	**12.48**	**12.68**	**12.53**
CAR	6.85	6.65	7.08	7.24	7.28	7.32
Ilocos Region	17.16	17.40	15.98	15.95	16.14	15.68
Cagayan Valley	18.07	17.83	16.55	13.88	14.20	14.77
Central Luzon	10.98	14.46	14.84	15.14	15.37	15.24
CALABARZON	10.70	10.48	10.23	10.52	10.93	10.82
MIMAROPA	6.67	6.60	6.48	6.49	6.57	6.07
Bicol Region	20.60	19.52	18.88	18.74	13.74	13.36
Western Visayas	17.13	11.14	11.03	11.03	10.79	10.78
Central Visayas	12.08	16.12	14.87	15.13	14.22	13.29
Eastern Visayas	12.26	12.36	12.40	12.14	12.19	12.06
Zamboanga Peninsula	14.97	15.49	16.26	16.57	15.80	15.10
Northern Mindanao	8.79	8.53	8.68	9.02	8.92	9.35
Davao Region	9.59	9.51	9.49	9.45	9.30	9.19
SOCCSKSARGEN	10.08	12.41	12.33	11.94	12.06	11.91
Caraga	21.09	19.90	19.44	20.04	19.86	19.59
ARMM	13.75	12.16	13.11	13.51	13.85	13.59

Table 5.17 HABITCHUELAS: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**11,549**	**11,856**	**12,049**	**13,493**	**15,922**	**16,897**
CAR	6,650	6,525	6,462	6,403	8,321	8,374
Ilocos Region	298	309	325	328	342	350
Cagayan Valley	2,523	2,733	2,506	3,846	4,233	4,965
Central Luzon	46	43	44	43	46	47
CALABARZON	102	121	121	109	149	150
MIMAROPA	1	1	1	0.13	0.12	0.12
Bicol Region	714	720	756	768	786	800
Western Visayas	61	90	111	132	132	129
Central Visayas	136	137	320	465	450	565
Eastern Visayas	497	498	502	502	508	501
Zamboanga Peninsula	52	51	55	58	57	58
Northern Mindanao	171	211	385	436	462	522
Davao Region	127	128	137	137	146	146
SOCCSKSARGEN	129	245	282	223	255	255
Caraga	28	29	30	31	28	27
ARMM	13	13	11	11	8	7
Area (Ha)						
PHILIPPINES	**3,098**	**3,163**	**3,356**	**3,370**	**3,623**	**3,723**
CAR	1,072	1,069	1,070	1,069	1,262	1,287
Ilocos Region	176	176	180	179	184	186
Cagayan Valley	851	872	878	800	811	830
Central Luzon	26	24	26	27	29	30
CALABARZON	72	81	80	67	77	74
MIMAROPA	1	1	1			
Bicol Region	219	212	214	211	219	218
Western Visayas	22	23	25	28	31	30
Central Visayas	185	196	333	473	483	530
Eastern Visayas	156	157	159	160	166	167
Zamboanga Peninsula	61	75	78	77	71	72
Northern Mindanao	60	70	94	79	84	93
Davao Region	122	121	124	125	129	129
SOCCSKSARGEN	45	56	62	47	50	53
Caraga	24	24	25	24	23	20
ARMM	5	6	6	5	4	3
Yield Per Hectare (mt)						
PHILIPPINES	**3.73**	**3.75**	**3.59**	**4.00**	**4.39**	**4.54**
CAR	6.20	6.10	6.04	5.99	6.59	6.51
Ilocos Region	1.70	1.75	1.81	1.83	1.87	1.89
Cagayan Valley	2.96	3.13	2.85	4.81	5.22	5.98
Central Luzon	1.76	1.80	1.69	1.60	1.58	1.57
CALABARZON	1.42	1.50	1.51	1.62	1.93	2.04
MIMAROPA	1.23	1.24	1.30			
Bicol Region	3.26	3.39	3.54	3.64	3.59	3.66
Western Visayas	2.76	3.92	4.40	4.68	4.24	4.29
Central Visayas	0.73	0.70	0.96	0.98	0.93	1.07
Eastern Visayas	3.19	3.17	3.16	3.14	3.07	3.00
Zamboanga Peninsula	0.85	0.69	0.71	0.76	0.80	0.81
Northern Mindanao	2.86	3.01	4.09	5.50	5.47	5.59
Davao Region	1.04	1.06	1.10	1.10	1.13	1.13
SOCCSKSARGEN	2.86	4.42	4.55	4.75	5.10	4.81
Caraga	1.18	1.21	1.19	1.32	1.21	1.33
ARMM	2.63	2.17	1.87	2.16	1.98	2.48

Table 5.18 LETTUCE: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**1,579**	**1,721**	**3,386**	**3,348**	**3,335**	**3,566**
CAR	1,315	1,321	1,343	1,369	1,388	1,404
Ilocos Region						
Cagayan Valley	10	12	11	2		
Central Luzon						
CALABARZON	57	56	115	133	127	131
MIMAROPA						
Bicol Region						
Western Visayas	4	9	11	11	18	19
Central Visayas	21	43	77	86	102	157
Eastern Visayas	1	1	1	1	1	1
Zamboanga Peninsula	15	16	17	17	17	17
Northern Mindanao	143	196	1,725	1,673	1,625	1,783
Davao Region	4	4	5	5	5	5
SOCCSKSARGEN	8	64	82	51	52	49
Caraga						
ARMM						
Area (Ha)						
PHILIPPINES	**217**	**252**	**416**	**407**	**405**	**440**
CAR	154	152	154	155	153	151
Ilocos Region						
Cagayan Valley	7	8	7	2		
Central Luzon						
CALABARZON	10	10	11	13	12	13
MIMAROPA						
Bicol Region						
Western Visayas	2	2	2	2	3	4
Central Visayas	11	27	44	49	58	78
Eastern Visayas			0.40	0.40	0.42	2
Zamboanga Peninsula	6	5	6	4	4	4
Northern Mindanao	19	25	157	157	150	166
Davao Region	4	4	4	4	4	4
SOCCSKSARGEN	3	18	30	21	20	18
Caraga						
ARMM						
Yield Per Hectare (mt)						
PHILIPPINES	**7.29**	**6.84**	**8.14**	**8.22**	**8.24**	**8.10**
CAR	8.54	8.69	8.72	8.83	9.07	9.30
Ilocos Region						
Cagayan Valley	1.41	1.40	1.55	1.22		
Central Luzon						
CALABARZON	5.55	5.37	10.32	10.48	10.61	9.86
MIMAROPA						
Bicol Region						
Western Visayas	2.10	4.40	5.48	4.90	5.46	5.34
Central Visayas	1.90	1.61	1.75	1.76	1.78	2.01
Eastern Visayas			1.43	1.43	1.43	0.24
Zamboanga Peninsula	2.50	3.28	2.80	4.23	4.33	4.30
Northern Mindanao	7.52	7.84	10.99	10.69	10.83	10.77
Davao Region	1.03	1.01	1.07	1.10	1.12	1.13
SOCCSKSARGEN	2.77	3.55	2.73	2.45	2.58	2.74
Caraga						
ARMM						

Table 5.19 OKRA: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**22,992**	**24,913**	**25,958**	**26,709**	**27,886**	**29,485**
CAR	28	28	29	30	31	31
Ilocos Region	1,180	1,214	1,546	1,576	1,570	1,604
Cagayan Valley	5,620	5,930	5,874	5,746	5,820	5,850
Central Luzon	8,378	8,800	9,215	9,937	10,171	10,759
CALABARZON	981	1,686	1,395	1,357	1,366	1,390
MIMAROPA	116	119	129	125	127	147
Bicol Region	1,132	1,179	1,188	1,128	1,639	1,721
Western Visayas	514	677	1,129	1,183	1,323	1,396
Central Visayas	1,372	1,470	1,383	1,441	1,386	1,950
Eastern Visayas	829	868	890	895	916	923
Zamboanga Peninsula	306	327	339	335	346	366
Northern Mindanao	1,302	1,267	1,298	1,337	1,397	1,464
Davao Region	325	334	361	397	478	502
SOCCSKSARGEN	311	397	411	426	460	507
Caraga	570	585	739	760	821	842
ARMM	29	30	34	35	34	33
Area (Ha)						
PHILIPPINES	**3,018**	**3,121**	**3,138**	**3,211**	**3,287**	**3,488**
CAR	15	18	14	14	15	15
Ilocos Region	144	146	152	158	161	164
Cagayan Valley	672	676	672	666	673	694
Central Luzon	645	641	640	654	661	719
CALABARZON	150	163	154	146	144	145
MIMAROPA	68	71	78	78	78	87
Bicol Region	123	125	123	124	167	175
Western Visayas	158	194	202	203	214	227
Central Visayas	157	172	167	198	195	249
Eastern Visayas	136	139	141	144	145	148
Zamboanga Peninsula	98	105	110	117	115	126
Northern Mindanao	323	321	316	321	299	310
Davao Region	121	134	141	154	168	165
SOCCSKSARGEN	79	86	88	91	98	106
Caraga	113	114	124	127	137	141
ARMM	15	17	16	16	17	17
Yield Per Hectare (mt)						
PHILIPPINES	**7.62**	**7.98**	**8.27**	**8.32**	**8.48**	**8.45**
CAR	1.85	1.53	2.10	2.17	2.05	2.08
Ilocos Region	8.17	8.34	10.17	9.95	9.74	9.77
Cagayan Valley	8.36	8.77	8.74	8.63	8.65	8.43
Central Luzon	12.99	13.73	14.40	15.19	15.39	14.96
CALABARZON	6.54	10.34	9.06	9.30	9.48	9.59
MIMAROPA	1.70	1.68	1.65	1.60	1.63	1.70
Bicol Region	9.17	9.43	9.65	9.10	9.81	9.83
Western Visayas	3.25	3.48	5.59	5.83	6.20	6.15
Central Visayas	8.74	8.56	8.29	7.28	7.11	7.83
Eastern Visayas	6.10	6.27	6.30	6.21	6.31	6.22
Zamboanga Peninsula	3.11	3.10	3.08	2.87	3.00	2.91
Northern Mindanao	4.03	3.95	4.11	4.17	4.68	4.72
Davao Region	2.69	2.50	2.56	2.58	2.84	3.04
SOCCSKSARGEN	3.93	4.65	4.67	4.68	4.69	4.80
Caraga	5.05	5.13	5.96	5.99	6.00	5.99
ARMM	1.93	1.74	2.10	2.18	1.97	1.91

Table 5.20 PECHAY-CHINESE: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**34,894**	**35,432**	**37,062**	**37,171**	**48,233**	**50,099**
CAR	33,628	33,831	33,419	33,234	43,988	44,971
Ilocos Region			2	2	3	3
Cagayan Valley	91	63	70	155	163	177
Central Luzon						
CALABARZON	7	11	43	87	172	154
MIMAROPA						
Bicol Region						
Western Visayas						
Central Visayas	716	698	2,426	2,390	2,421	2,736
Eastern Visayas				2	2	2
Zamboanga Peninsula	37	94	97	92	85	80
Northern Mindanao	46	202	454	534	666	1,245
Davao Region	239	237	230	377	396	389
SOCCSKSARGEN	131	296	322	297	337	341
Caraga						
ARMM						
Area (Ha)						
PHILIPPINES	**2,998**	**3,037**	**3,133**	**3,446**	**3,645**	**3,728**
CAR	2,727	2,728	2,734	2,732	2,850	2,878
Ilocos Region			0.25	0.36	0.47	1
Cagayan Valley	18	15	16	28	26	27
Central Luzon						
CALABARZON	1	2	16	18	33	33
MIMAROPA						
Bicol Region						
Western Visayas						
Central Visayas	124	125	145	416	448	457
Eastern Visayas				2	2	2
Zamboanga Peninsula	3	8	10	11	11	11
Northern Mindanao	47	60	100	109	130	176
Davao Region	51	49	51	71	80	83
SOCCSKSARGEN	27	50	61	58	64	61
Caraga						
ARMM						
Yield Per Hectare (mt)						
PHILIPPINES	**11.64**	**11.67**	**11.83**	**10.79**	**13.23**	**13.44**
CAR	12.33	12.40	12.22	12.16	15.43	15.63
Ilocos Region			8.00	6.58	6.29	5.45
Cagayan Valley	5.04	4.20	4.38	5.54	6.27	6.54
Central Luzon						
CALABARZON	5.45	5.38	2.68	4.79	5.20	4.68
MIMAROPA						
Bicol Region						
Western Visayas						
Central Visayas	5.77	5.58	16.73	5.75	5.40	5.99
Eastern Visayas				1.04	1.06	1.08
Zamboanga Peninsula	12.41	11.79	9.71	8.32	7.89	7.55
Northern Mindanao	0.98	3.37	4.54	4.90	5.11	7.07
Davao Region	4.68	4.84	4.51	5.31	4.95	4.69
SOCCSKSARGEN	4.84	5.92	5.29	5.12	5.26	5.59
Caraga						
ARMM						

Table 5.21 PECHAY-NATIVE: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**41,288**	**41,339**	**43,578**	**43,077**	**45,039**	**45,396**
CAR	4,270	4,305	4,351	4,387	4,346	4,358
Ilocos Region	1,454	1,519	2,047	2,117	2,233	2,173
Cagayan Valley	4,786	5,044	5,469	5,941	6,016	6,141
Central Luzon	1,962	1,709	1,827	1,933	2,554	2,724
CALABARZON	7,046	6,964	7,005	6,469	6,502	6,210
MIMAROPA	344	347	351	334	339	363
Bicol Region	13,233	13,086	14,067	13,176	13,759	13,819
Western Visayas	1,330	1,524	1,519	1,578	1,717	1,686
Central Visayas	1,291	1,146	1,109	1,203	1,341	1,516
Eastern Visayas	907	927	945	958	980	961
Zamboanga Peninsula	1,276	1,269	1,287	1,320	1,315	1,344
Northern Mindanao	1,004	1,005	925	943	1,054	1,116
Davao Region	1,199	1,207	1,194	1,204	1,212	1,211
SOCCSKSARGEN	407	481	520	517	541	555
Caraga	397	419	555	593	731	831
ARMM	383	386	406	406	399	389
Area (Ha)						
PHILIPPINES	**7,158**	**6,893**	**7,085**	**6,900**	**7,090**	**7,185**
CAR	564	562	565	566	563	564
Ilocos Region	433	443	479	473	491	474
Cagayan Valley	798	830	908	921	948	975
Central Luzon	288	269	276	284	324	333
CALABARZON	871	860	869	752	749	746
MIMAROPA	159	160	163	159	160	175
Bicol Region	2,630	2,316	2,331	2,199	2,249	2,253
Western Visayas	228	234	232	240	253	248
Central Visayas	211	202	189	202	208	239
Eastern Visayas	155	158	161	166	168	171
Zamboanga Peninsula	218	225	242	258	253	255
Northern Mindanao	152	150	156	158	169	178
Davao Region	157	166	171	178	190	194
SOCCSKSARGEN	109	124	129	126	133	138
Caraga	98	102	114	119	134	148
ARMM	88	92	101	99	100	95
Yield Per Hectare (mt)						
PHILIPPINES	**5.77**	**6.00**	**6.15**	**6.24**	**6.35**	**6.32**
CAR	7.58	7.66	7.70	7.75	7.72	7.73
Ilocos Region	3.36	3.43	4.28	4.48	4.55	4.58
Cagayan Valley	6.00	6.08	6.02	6.45	6.35	6.30
Central Luzon	6.81	6.35	6.62	6.80	7.88	8.18
CALABARZON	8.09	8.10	8.06	8.60	8.68	8.32
MIMAROPA	2.16	2.17	2.16	2.10	2.13	2.08
Bicol Region	5.03	5.65	6.03	5.99	6.12	6.13
Western Visayas	5.83	6.51	6.55	6.59	6.80	6.81
Central Visayas	6.12	5.67	5.88	5.96	6.45	6.35
Eastern Visayas	5.85	5.86	5.86	5.78	5.82	5.62
Zamboanga Peninsula	5.86	5.64	5.32	5.12	5.20	5.27
Northern Mindanao	6.61	6.70	5.95	5.96	6.23	6.29
Davao Region	7.64	7.27	6.98	6.76	6.40	6.24
SOCCSKSARGEN	3.73	3.88	4.03	4.10	4.08	4.02
Caraga	4.06	4.11	4.87	4.99	5.46	5.61
ARMM	4.35	4.19	4.02	4.10	3.99	4.11

Table 5.22 UBI: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**27,884**	**28,526**	**29,256**	**30,074**	**29,265**	**24,185**
CAR	128	126	135	148	152	156
Ilocos Region	75	78	108	121	153	180
Cagayan Valley	2,248	2,178	2,244	2,419	2,357	2,282
Central Luzon	294	378	443	468	497	558
CALABARZON	366	371	410	444	463	466
MIMAROPA	195	207	230	246	246	356
Bicol Region	735	693	706	664	657	683
Western Visayas	386	420	472	560	566	636
Central Visayas	19,760	20,785	21,352	21,849	21,092	15,700
Eastern Visayas	748	757	773	783	798	840
Zamboanga Peninsula	216	244	264	273	260	252
Northern Mindanao	1,529	1,061	900	913	824	798
Davao Region	433	418	411	380	391	408
SOCCSKSARGEN	220	264	272	282	293	321
Caraga	265	265	287	280	275	259
ARMM	285	279	251	243	243	292
Area (Ha)						
PHILIPPINES	**5,707**	**5,806**	**5,890**	**5,999**	**5,839**	**5,212**
CAR	18	18	21	23	25	25
Ilocos Region	12	12	13	14	17	19
Cagayan Valley	369	359	363	367	345	333
Central Luzon	78	88	90	94	95	98
CALABARZON	83	94	98	105	104	110
MIMAROPA	71	73	78	80	81	102
Bicol Region	107	101	98	98	96	104
Western Visayas	63	63	66	74	77	95
Central Visayas	4,017	4,215	4,303	4,397	4,277	3,588
Eastern Visayas	206	207	212	215	216	230
Zamboanga Peninsula	48	58	62	60	58	57
Northern Mindanao	380	255	228	225	205	198
Davao Region	82	77	75	67	68	73
SOCCSKSARGEN	46	61	64	64	67	74
Caraga	60	61	61	61	59	56
ARMM	66	63	59	55	51	51
Yield Per Hectare (mt)						
PHILIPPINES	**4.89**	**4.91**	**4.97**	**5.01**	**5.01**	**4.64**
CAR	7.10	6.99	6.43	6.45	6.08	6.22
Ilocos Region	6.27	6.58	8.29	8.41	9.12	9.52
Cagayan Valley	6.09	6.07	6.18	6.59	6.83	6.85
Central Luzon	3.76	4.30	4.92	4.98	5.24	5.69
CALABARZON	4.41	3.95	4.18	4.25	4.45	4.23
MIMAROPA	2.75	2.84	2.94	3.07	3.02	3.50
Bicol Region	6.85	6.86	7.21	6.77	6.84	6.57
Western Visayas	6.10	6.64	7.21	7.60	7.37	6.70
Central Visayas	4.92	4.93	4.96	4.97	4.93	4.38
Eastern Visayas	3.63	3.65	3.65	3.64	3.70	3.65
Zamboanga Peninsula	4.47	4.21	4.25	4.55	4.52	4.41
Northern Mindanao	4.02	4.16	3.95	4.05	4.02	4.04
Davao Region	5.28	5.43	5.48	5.68	5.77	5.60
SOCCSKSARGEN	4.78	4.33	4.25	4.41	4.40	4.33
Caraga	4.42	4.35	4.70	4.59	4.65	4.67
ARMM	4.31	4.43	4.25	4.42	4.76	5.72

Table 5.23 WHITE POTATO: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008

Region	2003	2004	2005	2006	2007	2008
Production (mt)						
PHILIPPINES	**68,050**	**69,456**	**70,160**	**69,461**	**118,497**	**121,311**
CAR	51,303	52,495	53,069	52,205	100,752	103,303
Ilocos Region	-	-	-	-	-	-
Cagayan Valley	296	304	284	448	528	521
Central Luzon	1	1	2	3	3	3
CALABARZON	-	-	-	-	-	-
MIMAROPA	-	-	-	-	-	-
Bicol Region	2	1	1	0.1	0.1	0.1
Western Visayas	-	-	-	-	-	-
Central Visayas	60	57	52	62	58	57
Eastern Visayas	-	-	-	-	-	-
Zamboanga Peninsula	-	-	-	-	-	-
Northern Mindanao	6,875	6,886	6,663	6,745	6,778	6,945
Davao Region	8,944	9,053	9,477	9,436	9,811	9,841
SOCCSKSARGEN	568	659	612	562	566	641
Caraga	-	-	-	-	-	-
ARMM	-	-	-	-	-	-
Area (Ha)						
PHILIPPINES	**5,394**	**5,446**	**5,497**	**5,451**	**7,939**	**7,994**
CAR	3,434	3,467	3,502	3,456	5,900	5,932
Ilocos Region	-	-	-	-	-	-
Cagayan Valley	76	77	75	75	78	76
Central Luzon	1	1	1	1	1	1
CALABARZON	-	-	-	-	-	-
MIMAROPA	-	-	-	-	-	-
Bicol Region	1	1	1	1	1	1
Western Visayas	-	-	-	-	-	-
Central Visayas	23	21	19	19	22	20
Eastern Visayas	-	-	-	-	-	-
Zamboanga Peninsula	-	-	-	-	-	-
Northern Mindanao	525	533	531	548	556	562
Davao Region	1,267	1,267	1,293	1,280	1,310	1,322
SOCCSKSARGEN	67	79	75	71	71	79
Caraga	-	-	-	-	-	-
ARMM	-	-	-	-	-	-
Yield Per Hectare (mt)						
PHILIPPINES	**12.62**	**12.75**	**12.76**	**12.74**	**14.93**	**15.18**
CAR	14.94	15.14	15.15	15.11	17.08	17.41
Ilocos Region						
Cagayan Valley	3.90	3.94	3.79	5.97	6.77	6.86
Central Luzon	0.78	0.62	2.49	2.50	2.57	2.61
CALABARZON						
MIMAROPA						
Bicol Region	1.58	1.12	0.56	0.14	0.14	0.13
Western Visayas						
Central Visayas	2.66	2.74	2.76	3.27	2.65	2.77
Eastern Visayas						
Zamboanga Peninsula						
Northern Mindanao	13.10	12.92	12.55	12.31	12.19	12.36
Davao Region	7.06	7.15	7.33	7.37	7.49	7.44
SOCCSKSARGEN	8.48	8.34	8.16	7.98	7.95	8.09
Caraga						
ARMM						

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