CROPS STATISTICS OF THE PHILIPPINES 2008-2012

(National and Regional)

50
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Department of Agriculture
BUREAU OF AGRICULTURAL STATISTICS

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FOREWORD

This is the tenth 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. In the case of banana and mango, production statistics are disaggregated by major variety. The reference period is 2008 to 2012.

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.

This report was prepared by the Crops Statistics Division (CSD) of the BAS. It serves as a ready reference for various stakeholders in the crops subsector of agriculture. 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.

ROMEO S. RECIDE
Director

Quezon City, Philippines
August 2013

TABLE OF CONTENTS

		Page
FOREWORD		i
TABLE OF CONTENTS		ii
EXPLANATORY NOTES		ix
STATISTICAL TABLES		
I. SUMMARY STATISTICS - NATIONAL		
Table 1.0	ANNUAL PRODUCTION OF SELECTED CROPS, PHILIPPINES, 2008-2012	1
Table 2.0	ANNUAL AREA PLANTED/HARVESTED OF SELECTED CROPS, PHILIPPINES, 2008-2012	3
Table 3.0	ANNUAL YIELD PER HECTARE OF SELECTED CROPS, PHILIPPINES, 2008-2012	5
Table 4.0	ANNUAL NUMBER OF BEARING TREES/HILLS, BEARING TREES/HILLS PER HECTARE AND YIELD PER BEARING TREE/HILLS, PHILIPPINES, 2008-2012	7
II. REGIONAL STATISTICS		
A. CEREALS		
HIGHLIGHTS		**9**
Table 2.1	PALAY: PRODUCTION, AREA HARVESTED AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	11
Table 2.2	IRRIGATED PALAY: PRODUCTION, AREA HARVESTED AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	12
Table 2.3	RAINFED PALAY: PRODUCTION, AREA HARVESTED AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	13
HIGHLIGHTS		**14**
Table 2.4	CORN: PRODUCTION, AREA HARVESTED AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	16
Table 2.5	WHITE CORN: PRODUCTION, AREA HARVESTED AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	17
Table 2.6	YELLOW CORN: PRODUCTION, AREA HARVESTED AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	18
B. FRUIT CROPS		
HIGHLIGHTS		**19**
Table 3.1	BANANA: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	21

TABLE OF CONTENTS

		Page
Table 3.1a	BANANA: NUMBER OF BEARING HILLS, BEARING HILLS PER HECTARE AND YIELD PER BEARING HILLS, BY REGION, PHILIPPINES, 2008-2012	22
Table 3.1.1	CAVENDISH BANANA: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	23
Table 3.1.1a	CAVENDISH BANANA: NUMBER OF BEARING HILLS, PER HECTARE AND YIELD PER BEARING HILLS, BY REGION, PHILIPPINES, 2008-2012	24
Table 3.1.2	LACATAN BANANA: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	25
Table 3.1.2a	LACATAN BANANA: NUMBER OF BEARING HILLS, PER HECTARE AND YIELD PER BEARING HILLS, BY REGION, PHILIPPINES, 2008-2012	26
Table 3.1.3	SABA BANANA: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	27
Table 3.1.3a	SABA BANANA: NUMBER OF BEARING HILLS, PER HECTARE AND YIELD PER BEARING HILLS, BY REGION, PHILIPPINES, 2008-2012	28
HIGHLIGHTS		**29**
Table 3.2	CALAMANSI: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	30
Table 3.2a	CALAMANSI: NUMBER OF BEARING TREES, BEARING TREES PER HECTARE AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2008-2012	31
Table 3.3	DURIAN: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	32
Table 3.3a	DURIAN: NUMBER OF BEARING TREES, BEARING TREES PER HECTARE AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2008-2012	33
Table 3.4	LANZONES: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	34
Table 3.4a	LANZONES: NUMBER OF BEARING TREES, BEARING TREES PER HECTARE AND YIELD PER BEARING TREE BY REGION, PHILIPPINES, 2008-2012	35
Table 3.5	MANDARIN: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	36

TABLE OF CONTENTS

		Page
Table 3.5a	MANDARIN: NUMBER OF BEARING TREES, BEARING TREES PER HECTARE AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2008-2012	37
HIGHLIGHTS		**38**
Table 3.6	MANGO: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	40
Table 3.6a	MANGO: NUMBER OF BEARING TREES, BEARING TREES PER HECTARE AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2008-2012	41
Table 3.6.1	MANGO CARABAO: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	42
Table 3.6.1a	MANGO CARABAO: NUMBER OF BEARING TREES, BEARING TREES PER HECTARE AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2008-2012	43
Table 3.7	MANGOSTEEN: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	44
Table 3.7a	MANGOSTEEN: NUMBER OF BEARING TREES, BEARING TREES PER HECTARE AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2008-2012	45
Table 3.8	ORANGE: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	46
Table 3.8a	ORANGE: NUMBER OF BEARING TREES, PLANTING DENSITY AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2008-2012	47
Table 3.9	PAPAYA: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	48
Table 3.9a	PAPAYA: NUMBER OF BEARING TREES, BEARING TREES PER HECTARE AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2008-2012	49
HIGHLIGHTS		**50**
Table 3.10	PINEAPPLE: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	51
Table 3.11	RAMBUTAN: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	52
Table 3.11a	RAMBUTAN: NUMBER OF BEARING TREES, BEARING TREES PER HECTARE AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2008-2012	53
Table 3.12	TAMARIND FRUIT: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	54

TABLE OF CONTENTS

		Page
Table 3.12a	TAMARIND FRUIT: NUMBER OF BEARING TREES, BEARING TREES PER HECTARE AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2008-2012	55
Table 3.13	WATERMELON: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	56
C. NON-FOOD AND INDUSTRIAL CROPS		
HIGHLIGHTS		**57**
Table 4.1	ABACA: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	59
HIGHLIGHTS		**60**
Table 4.2	CACAO: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	61
Table 4.2a	CACAO: NUMBER OF BEARING TREES, PLANTING DENSITY AND YIELD PER BEARING TREE BY REGION, PHILIPPINES, 2008-2012	62
HIGHLIGHTS		**63**
Table 4.3	CASHEW: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	64
Table 4.3a	CASHEW: NUMBER OF BEARING TREES, PLANTING DENSITY AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2008-2012	65
HIGHLIGHTS		**66**
Table 4.4	COCONUT: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	67
Table 4.4a	COCONUT: NUMBER OF BEARING TREES, PLANTING DENSITY AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2008-2012	68
HIGHLIGHTS		**69**
Table 4.5	COFFEE: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	71
Table 4.5a	COFFEE: NUMBER OF BEARING TREES, PLANTING DENSITY AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2008-2012	72
Table 4.5.1	ARABICA COFFEE : PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	73
Table 4.5.1a	ARABICA COFFEE: NUMBER OF BEARING TREES, PLANTING DENSITY AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2008-2012	74

TABLE OF CONTENTS

		Page
Table 4.5.2	EXCELSA COFFEE: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	75
Table 4.5.2a	EXCELSA COFFEE: NUMBER OF BEARING TREES, PLANTING DENSITY AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2008-2012	76
Table 4.5.3	LIBERICA COFFEE: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	77
Table 4.5.3a	LIBERICA COFFEE: NUMBER OF BEARING TREES, PLANTING DENSITY AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2008-2012	78
Table 4.5.4	ROBUSTA COFFEE: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	79
Table 4.5.4a	ROBUSTA COFFEE: NUMBER OF BEARING TREES, PLANTING DENSITY AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2008-2012	80
HIGHLIGHTS		**81**
Table 4.6	COTTON: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	82
HIGHLIGHTS		**83**
Table 4.7	RUBBER: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES,, 2008-2012	84
Table 4.7a	RUBBER: NUMBER OF BEARING TREES, PLANTING DENSITY AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2008-2012	85
HIGHLIGHTS		**86**
Table 4.8	SUGARCANE: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	87
HIGHLIGHTS		**88**
Table 4.9	TOBACCO: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	90
Table 4.9.1	NATIVE TOBACCO : PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	91
Table 4.9.2	VIRGINIA TOBACCO: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	92
D. VEGETABLES, ROOT CROPS & TUBERS		
HIGHLIGHTS		**93**
Table 5.1	CABBAGE: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2003-2008	94

TABLE OF CONTENTS

		Page
HIGHLIGHTS		**95**
Table 5.2	CAMOTE: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	96
HIGHLIGHTS		**97**
Table 5.2	CASSAVA: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	98
HIGHLIGHTS		**99**
Table 5.4	EGGPLANT: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	100
HIGHLIGHTS		**101**
Table 5.5	GARLIC: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	102
HIGHLIGHTS		**103**
Table 5.6	MONGO: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	104
HIGHLIGHTS		**105**
Table 5.7	ONION: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	106
HIGHLIGHTS		**107**
Table 5.8	PEANUT: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	108
HIGHLIGHTS		**109**
Table 5.9	TOMATO: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	110
HIGHLIGHTS		**111**
Table 5.10	ASPARAGUS: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	112
Table 5.11	BROCCOLI: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	113
Table 5.12	CARROTS: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	114
Table 5.13	CAULIFLOWER: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	115
Table 5.14	GABI: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	116
Table 5.15	GINGER: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	117

TABLE OF CONTENTS

		Page
Table 5.16	GOURD: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	118
Table 5.17	HABITCHUELAS: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	119
Table 5.18	LETTUCE: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	120
Table 5.19	OKRA: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	121
Table 5.20	PECHAY CHINESE: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	122
Table 5.21	PECHAY NATIVE: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	123
Table 5.22	UBI: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	124
Table 5.23	WHITE POTATO: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012	125

EXPLANATORY NOTES

Scope and Coverage

Crop production statistics are generated for all regions and provinces except Batanes. Quarterly crop surveys cover all commodities, however, this publication focuses 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 which were totally damaged. It may be smaller than area planted. In crop statistics, this applies to temporary crops.*

Area Planted - *The actual physical area planted. This generally applies to area reported for permanent crops and multi-harvest temporary crops.*

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

Crop Production - *Is 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.*

Effective Area Harvested - *The actual area which is counted as many times as it was planted and harvested to same crops during the reference period. This concept applies to the harvest area reported for mono harvest temporary crops such as rice, corn, root crops and tubers and pechay.*

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

Irrigated Palay - *Palay crop that requires standing water for its normal growth, not confined to lowland but also to high places where paddies are built for planting rice, requires irrigation water made available through artificial means (gravity, force, power pumps, etc.)*

Major Crops - *Refer to the top 19 crops in the Philippines, other than palay and corn which collectively account for more than 60 percent of the total crop production. These include coconut, sugarcane, banana, pineapple, coffee, mango, tobacco, abaca, peanut, mongo, cassava, sweet potato, tomato, garlic, onion, cabbage, eggplant, calamansi and rubber.*

Minor Crops - *Are all the remaining crops other than the major crops. This group accounts for about 40 percent of the total crop production.*

Non-Food Crops - *Are crops other than those used for food consumption. These are crops grown for their aesthetic values such as ornamental plants and cutflowers. These also include agriculture-derived products such as rice hay and coconut leaves.*

Permanent/Perennial Crops - *Are 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 or fruit-bearing crops. Examples are: avocado, coffee, coconut and other fruit trees.*

Examples are: avocado, coffee, coconut and other fruit trees.

Priority Crops - *Refer to the identified national banner crops and various regional priority crops of the then Key Commercial Crops Development Program (KCCDP), High Value Crops Development Program (HVCDP) and now the Key Commodity Road Maps of the Department of Agriculture, which are being developed because of their industrial and commercial potentials.*

Rainfed Palay - *Palay crop that depends solely upon rainfall for it's water supply; usually planted through transplanting or direct seeding in fields with dikes that retain water. There may be dikes in the field to hold water in the case of lowland-rainfed, or none in the case of upland palay.*

Root Crops - *Crops with well developed underground edible roots. They are classified into roots and tubers. 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 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 grown and used mainly for human consumption, and manufacture of corn by-products such as cornstarch, corn oil, syrup, dextrins, glucose, gluten, etc.*

Yellow Corn - *Corn used mainly as feed grains; includes all types of corn other than white.*

Yield - *Indicator of productivity derived by dividing totalproduction by the area harvested*.

I. SUMMARY STATISTICS
NATIONAL

Table 1.0 ANNUAL PRODUCTION OF SELECTED CROPS, PHILIPPINES, 2008-2012

Crop	2008	2009	2010	2011	2012
			(IN METRIC TONS)		
Cereals					
Palay	16,815,548	16,266,417	15,772,319	16,684,062	18,032,422
Irrigated	12,556,150	12,083,264	11,992,459	12,358,931	13,396,480
Rainfed	4,259,398	4,183,153	3,779,860	4,325,131	4,635,942
Corn	6,928,225	7,034,033	6,376,796	6,971,221	7,406,830
White	2,254,567	2,316,434	2,169,103	2,150,222	2,165,505
Yellow	4,673,658	4,717,599	4,207,693	4,820,999	5,241,325
Fruit Crops					
Banana	8,687,624	9,013,186	9,101,341	9,165,046	9,225,998
Cavendish	*4,328,989*	*4,497,722*	*4,600,617*	*4,685,997*	*4,694,640*
Lacatan	*890,702*	*916,932*	*921,602*	*926,719*	*942,893*
Saba	*2,526,835*	*2,636,342*	*2,632,692*	*2,616,842*	*2,645,762*
Calamansi	199,675	192,187	188,340	182,550	178,507
Durian	51,399	55,727	77,548	58,969	85,961
Lanzones	7,407	15,341	49,500	4,256	14,190
Mandarin	22,743	20,376	18,783	17,697	16,738
Mango	884,011	771,441	825,676	788,074	768,234
Carabao	*712,409*	*621,279*	*669,520*	*638,954*	*630,530*
Mangosteen	866	1,567	5,553	683	3,209
Orange	4,870	4,663	4,337	3,984	3,817
Papaya	182,907	176,656	165,981	157,907	164,821
Pineapple	2,209,336	2,198,497	2,169,233	2,246,806	2,397,628
Rambutan	8,553	9,435	12,743	6,271	7,189
Tamarind Fruit	11,052	10,063	9,032	8,122	7,919
Watermelon	103,248	97,106	110,238	101,524	105,041
Non-Food & Industrial Crops					
Abaca	68,386	65,825	66,512	68,613	68,510
Cacao	5,149	5,134	5,019	4,856	4,831
Cashew	112,334	111,993	134,681	133,388	132,541
Coconut	15,319,527	15,667,565	15,510,283	15,244,609	15,862,386
Coffee	97,428	96,433	94,536	88,526	88,943
Arabica	*19,677*	*19,655*	*19,421*	*19,002*	*18,783*
Excelsa	*6,763*	*6,572*	*6,354*	*5,916*	*5,737*
Liberica	*666*	*652*	*633*	*630*	*598*
Robusta	*70,118*	*69,357*	*67,933*	*62,978*	*63,825*
Cotton	738	127	35	51	77
Rubber	411,044	390,962	395,237	425,705	442,998
Sugarcane	26,601,384	22,932,819	17,929,269	28,376,518	26,395,893
Tobacco	32,466	36,383	40,530	44,944	48,075
Native	*10,047*	*10,416*	*10,765*	*11,546*	*10,525*
Virginia	*15,125*	*16,578*	*18,839*	*21,447*	*23,644*
Vegetables, Root Crops & Tubers					
Asparagus	11,891	7,121	4,637	3,443	4,106
Brocolli	2,603	2,685	2,699	2,881	2,991
Cabbage	128,865	124,712	128,964	125,309	126,356
Camote	572,655	560,516	541,265	516,338	516,366
Carrots	68,366	68,328	72,109	67,162	68,438
Cassava	1,941,574	2,043,719	2,101,454	2,209,684	2,223,144
Cauliflower	10,758	10,559	11,102	11,583	11,633
Eggplant	199,579	200,942	208,242	207,994	211,854
Gabi	115,956	115,218	110,761	110,719	111,482
Garlic	11,348	10,451	9,563	9,057	8,491
Ginger	27,538	27,415	27,097	27,755	27,631
Gourd	104,029	102,787	97,586	93,780	92,564

Table 1.0 ANNUAL PRODUCTION OF SELECTED CROPS *...(Continued)*

Crop	2008	2009	2010	2011	2012
			(IN METRIC TONS)		
Habitchuelas	16,897	16,187	15,820	15,426	15,322
Lettuce	3,566	3,577	3,634	3,519	3,646
Mongo	29,617	27,694	27,055	32,960	32,364
Okra	29,485	29,710	29,716	29,129	29,767
Onion	128,923	127,055	135,377	128,387	124,824
Peanut	30,247	30,978	29,624	29,734	29,134
Pechay-Chinese	50,099	49,451	52,222	50,581	51,618
Pechay-Native	45,396	44,922	44,861	44,525	45,096
Tomato	195,810	198,948	204,272	203,582	203,578
Ubi	24,185	22,567	21,892	17,844	15,799
White Potato	121,311	119,159	124,671	120,574	119,570

Table 2.0 ANNUAL AREA PLANTED/HARVESTED OF SELECTED CROPS, PHILIPPINES, 2008-2012

Crop	2008	2009	2010	2011	2012
			(IN HECTARES)		
Cereals					
Palay	4,459,977	4,532,310	4,354,161	4,536,642	4,689,960
Irrigated	3,032,638	3,055,763	3,008,325	3,072,637	3,163,182
Rainfed	1,427,339	1,476,547	1,345,836	1,464,005	1,526,778
Corn	2,661,021	2,683,890	2,499,040	2,544,612	2,593,825
White	1,367,410	1,402,845	1,338,943	1,283,701	1,311,581
Yellow	1,293,611	1,281,045	1,160,097	1,260,911	1,282,244
Fruit Crops					
Banana	438,593	446,371	449,443	450,125	454,179
Cavendish	*75,151*	*77,599*	*79,642*	*80,230*	*82,413*
Lacatan	*53,591*	*56,252*	*56,579*	*57,032*	*58,065*
Saba	*183,139*	*185,118*	*185,800*	*186,317*	*187,423*
Calamansi	20,956	20,912	20,987	21,141	20,827
Durian	18,371	18,669	18,838	19,001	19,392
Lanzones	20,331	20,430	20,505	20,586	20,663
Mandarin	9,583	9,444	9,289	9,107	9,109
Mango	186,770	188,139	189,437	187,073	188,617
Carabao	*144,293*	*145,926*	*147,026*	*145,518*	*146,841*
Mangosteen	2,214	2,263	2,287	2,313	2,409
Orange	1,677	1,657	1,630	1,556	1,521
Papaya	9,175	8,904	8,751	8,647	8,564
Pineapple	58,251	58,823	58,547	58,457	58,442
Rambutan	5,669	5,672	5,743	5,849	5,889
Tamarind Fruit	2,681	2,641	2,598	2,540	2,524
Watermelon	6,246	6,237	6,703	6,102	6,240
Non-Food & Industrial Crops					
Abaca	137,520	135,081	135,090	138,991 R/	138,523
Cacao	9,751	9,538	9,462	9,582 R/	9,338
Cashew	27,517	27,428	28,114	28,204	28,316
Coconut	3,379,741	3,401,500	3,575,944	3,561,981	3,573,806
Coffee	123,269	122,645	121,399	119,637 R/	119,999
Arabica	*19,977*	*19,862*	*19,622*	*19,369*	*19,369*
Excelsa	*10,176*	*9,687*	*9,576*	*9,115* R/	*8,916*
Liberica	*1,492*	*1,444*	*1,410*	*1,378*	*1,360*
Robusta	91,148	91,181	90,320	89,774	90,354
Cotton	538	310	48	176	188
Rubber	123,260	128,337	138,710	161,565	176,244
Sugarcane	397,991	404,034	354,878	439,698	433,301
Tobacco	22,182	26,104	29,707	32,235	34,025
Native	*6,969*	*6,684*	*7,143*	*7,965*	*7,723*
Virginia	*11,457*	*14,502*	*17,392*	*18,731*	*19,508*
Vegetables, Root Crops & Tubers					
Asparagus	706	536	368	349	368
Brocolli	259	269	267	293	305
Cabbage	8,595	8,483	8,561	8,550	8,527
Camote	116,465	114,380	109,438	103,704	100,736
Carrots	5,075	5,080	5,115	4,947 R/	4,921
Cassava	211,657	215,933	217,622	221,235	217,978
Cauliflower	1,004	997	987	1,067	1,080
Eggplant	21,299	21,170	21,423	21,377	21,481
Gabi	18,168	17,882	16,998	16,827	16,352
Garlic	3,849	3,552	3,039	2,830	2,591
Ginger	3,926	3,948	3,967	4,037	4,004
Gourd	8,305	8,152	7,847	7,773	7,763

Table 2.0 ANNUAL AREA PLANTED/HARVESTED OF SELECTED CROPS *...(Continued)*

Crop	2008	2009	2010	2011	2012
			(IN HECTARES)		
Habitchuelas	3,723	3,662	3,770	3,632 R/	3,565
Lettuce	440	451	466	482	500
Mongo	39,923	38,658	40,080	45,283	44,324
Okra	3,488	3,555	3,570	3,497	3,568
Onion	14,579	14,526	15,169	14,641	14,972
Peanut	27,726	28,235	27,123	26,902	26,108
Pechay-Chinese	3,728	3,736	3,735	3,742	3,759
Pechay-Native	7,185	7,194	7,097	7,079	7,116
Tomato	17,646	17,656	17,663	17,556 R/	17,343
Ubi	5,212	4,929	4,744	2,974	2,622
White Potato	7,994	7,904	8,129	8,171	8,096

R/ - Revised

Table 3.0 ANNUAL YIELD PER HECTARE OF SELECTED CROPS, PHILIPPINES, 2008-2012

Crop	2008	2009	2010	2011	2012
			(IN METRIC TONS)		
Cereals					
Palay	3.77	3.59	3.62	3.68	3.84
Irrigated	4.14	3.95	3.99	4.02	4.24
Rainfed	2.98	2.83	2.81	2.95	3.04
Corn	2.60	2.62	2.55	2.74	2.86
White	1.65	1.65	1.62	1.68	1.65
Yellow	3.61	3.68	3.63	3.82	4.09
Fruit Crops					
Banana	19.81	20.19	20.25	20.36	20.31
Cavendish	*57.60*	*57.96*	*57.77*	*58.41*	*56.96*
Lacatan	*16.62*	*16.30*	*16.29*	*16.25*	*16.24*
Saba	*13.80*	*14.24*	*14.17*	*14.05*	*14.12*
Calamansi	9.53	9.19	8.97	8.63	8.57
Durian	2.80	2.99	4.12	3.10	4.43
Lanzones	0.36	0.75	2.41	0.21	0.69
Mandarin	2.37	2.16	2.02	1.94	1.84
Mango	4.73	4.10	4.36	4.21	4.07
Carabao	*4.94*	*4.26*	*4.55*	*4.39*	*4.29*
Mangosteen	0.39	0.69	2.43	0.30	1.33
Orange	2.90	2.81	2.66	2.56	2.51
Papaya	19.93	19.84	18.97	18.26	19.25
Pineapple	37.93	37.37	37.05	38.44	41.03
Rambutan	1.51	1.66	2.22	1.07	1.22
Tamarind Fruit	4.12	3.81	3.48	3.20	3.14
Watermelon	16.53	15.57	16.45	16.64	16.83
Non-Food & Industrial Crops					
Abaca	0.50	0.49	0.49	0.49	0.49
Cacao	0.53	0.54	0.53	0.51	0.52
Cashew	4.08	4.08	4.79	4.73	4.68
Coconut	4.53	4.61	4.34	4.28	4.44
Coffee	0.79	0.79	0.78	0.74	0.74
Arabica	*0.98*	*0.99*	*0.99*	*0.98*	*0.97*
Excelsa	*0.66*	*0.68*	*0.66*	*0.65*	*0.64*
Liberica	*0.45*	*0.45*	*0.45*	*0.46*	*0.44*
Robusta	*0.77*	*0.76*	*0.75*	*0.70*	*0.71*
Cotton	1.37	0.41	0.73	0.29	0.41
Rubber	3.33	3.05	2.85	2.63	2.51
Sugarcane	66.84	56.76	50.52	64.54	60.92
Tobacco	1.46	1.39	1.36	1.39	1.41
Native	*1.44*	*1.56*	*1.51*	*1.45*	*1.36*
Virginia	*1.32*	*1.14*	*1.08*	*1.15*	*1.21*
Vegetables, Root Crops & Tubers					
Asparagus	16.85	13.28	12.58	9.86	11.15
Brocolli	10.05	9.97	10.13	9.83	9.81
Cabbage	14.99	14.70	15.06	14.66	14.82
Camote	4.92	4.90	4.95	4.98	5.13
Carrots	13.47	13.45	14.10	13.58	13.91
Cassava	9.17	9.46	9.66	9.99	10.20
Cauliflower	10.72	10.59	11.25	10.85	10.77
Eggplant	9.37	9.49	9.72	9.73	9.86
Gabi	6.38	6.44	6.52	6.58	6.82
Garlic	2.95	2.94	3.15	3.20	3.28
Ginger	7.01	6.94	6.83	6.88	6.90

Table 3.0 ANNUAL YIELD PER HECTARE OF SELECTED CROPS *...(Continued)*

Crop	2008	2009	2010	2011	2012
			(IN METRIC TONS)		
Gourd	12.53	12.61	12.44	12.07	11.92
Habitchuelas	4.54	4.42	4.20	4.25	4.30
Lettuce	8.10	7.93	7.80	7.29	7.29
Mongo	0.74	0.72	0.68	0.73	0.73
Okra	8.45	8.36	8.32	8.33	8.34
Onion	8.84	8.75	8.92	8.77	8.34
Peanut	1.09	1.10	1.09	1.11	1.12
Pechay-Chinese	13.44	13.24	13.98	13.52	13.73
Pechay-Native	6.32	6.24	6.32	6.29	6.34
Tomato	11.10	11.27	11.57	11.60	11.74
Ubi	4.64	4.58	4.61	6.00	6.02
White Potato	15.18	15.08	15.34	14.76	14.77

Table 4.0: ANNUAL NUMBER OF BEARING TREES/HILLS, PLANTING DENSITY AND YIELD PER BEARING TREES/HILLS, PHILIPPINES, 2008-2012

Crop	2008	2009	2010	2011	2012
BEARING TREES/HILLS (no.)					
Banana	264,356,573	271,047,238	276,405,963	279,512,164	280,893,124
Cavendish	*105,089,123*	*109,301,924*	*112,902,991*	*114,192,836*	*114,763,659*
Lacatan	*29,843,193*	*31,384,421*	*31,804,423*	*32,216,833*	*32,444,555*
Saba	*77,109,265*	*77,905,041*	*78,584,660*	*79,570,508*	*80,024,176*
Cacao	3,942,957	3,926,033	3,908,457	3,863,221	3,826,621
Calamansi	9,216,422	9,115,380	9,163,050	9,402,373	9,247,414
Cashew	3,491,813	3,480,231	3,783,210	3,775,938	3,766,146
Coconut	339,357,206	340,882,817	341,020,368	339,795,215 R/	344,377,121
Coffee	85,757,726	85,064,363	84,544,625	83,168,310 R/	83,513,674
Arabica	*13,957,631*	*13,908,200*	*13,999,774*	*13,728,806*	*13,684,182*
Excelsa	*6,239,477*	*5,959,635*	*5,897,929*	*5,631,268*	*5,394,460*
Liberica	*980,529*	*951,038*	*933,034*	*911,290*	*902,697*
Robusta	*64,350,923*	*64,018,201*	*63,488,968*	*62,896,945* R/	*63,532,335*
Durian	638,854	649,853	774,772	724,450	1,198,341
Lanzones	2,012,620	2,042,666	2,131,196	2,135,939	2,152,193
Mandarin	1,160,260	1,155,686	1,161,392	1,141,417	1,127,597
Mango	8,171,854	8,335,951	8,526,816	8,606,709	8,791,065
Carabao	*5,880,136*	*6,029,318*	*6,228,015*	*6,333,898*	*6,528,308*
Mangosteen	206,884	209,254	209,740	210,895	214,179
Orange	204,306	202,059	199,128	189,096	183,997
Papaya	5,670,826	5,528,962	5,549,324	5,440,347	5,376,367
Rambutan	411,808	416,805	429,293	427,941	439,221
Rubber	37,030,656	37,212,359	39,369,228	42,063,221	43,550,204
Tamarind Fruit	151,398	148,700	145,344	142,590	142,621
PLANTING DENSITY (Btrees/ha)					
Banana	603	607	615	621	618
Cavendish	*1,398*	*1,409*	*1,418*	*1,423*	*1,393*
Lacatan	*557*	*558*	*562*	*565*	*559*
Saba	*421*	*421*	*423*	*427*	*427*
Cacao	404	412	413	403	410
Calamansi	440	436	437	445	444
Cashew	127	127	135	134	133
Coconut	100	100	95	95	96
Coffee	696	694	696	695	696
Arabica	*699*	*700*	*713*	*709*	*706*
Excelsa	*613*	*615*	*616*	*618* R/	*605*
Liberica	*657*	*659*	*662*	*661*	*664*
Robusta	*706*	*702*	*703*	*701*	*703*
Durian	35	35	41	38	444
Lanzones	99	100	104	104	104
Mandarin	121	122	125	125	124
Mango	44	44	45	46	47
Carabao	*41*	*41*	*42*	*44*	*44*
Mangosteen	93	92	92	91	89
Orange	122	122	122	122	121
Papaya	618	621	634	629	628
Rambutan	73	73	75	73	75
Rubber	300	290	284	260	247
Tamarind Fruit	56	56	56	56	57
YIELD PER BEARING TREES/HILLS (kg)					
Banana	32.86	33.25	32.93	32.79	32.85
Cavendish	*41.19*	*41.15*	*40.75*	*41.04*	*40.91*

Table 4.0: ANNUAL NUMBER OF BEARING TREES/HILLS *...(Continued)*

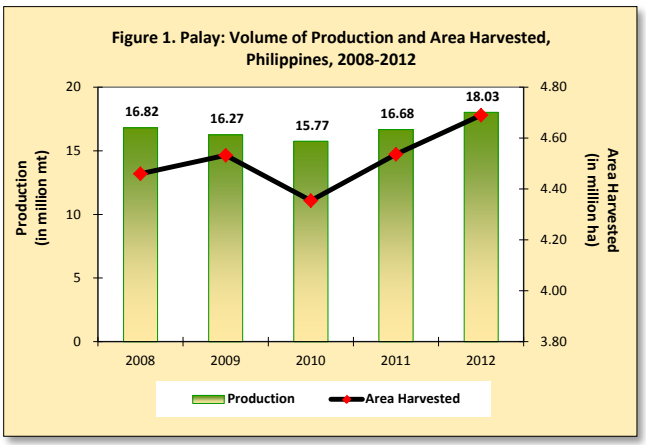
Crop	2008	2009	2010	2011	2012
Lacatan	*29.85*	*29.22*	*28.98*	*28.77*	*29.06*
Saba	*32.77*	*33.84*	*33.50*	*32.89*	*33.06*
Cacao	1.31	1.31	1.28	1.26	1.26
Calamansi	21.67	21.08	20.55	19.42	19.30
Cashew	32.17	32.18	35.60	35.33	35.19
Coconut	45.14	45.96	45.48	44.86 R/	46.06
Coffee	1.14	1.13	1.12	1.06	1.07
Arabica	*1.41*	*1.41*	*1.39*	*1.38*	*1.37*
Excelsa	*1.08*	*1.10*	*1.08*	*1.05*	*1.06*
Liberica	*0.68*	*0.69*	*0.68*	*0.69*	*0.66*
Robusta	*1.09*	*1.08*	*1.07*	*1.00*	*1.00*
Durian	80.46	85.75	100.09	81.40	71.73
Lanzones	3.68	7.51	23.23	1.99	6.59
Mandarin	19.60	17.63	16.17	15.50	14.84
Mango	108.18	92.54	96.83	91.57	87.39
Carabao	*121.16*	*103.04*	*107.50*	*100.88*	*96.58*
Mangosteen	4.18	7.49	26.47	3.24	14.98
Orange	23.83	23.08	21.78	21.07	20.75
Papaya	32.25	31.95	29.91	29.03	30.66
Rambutan	20.77	22.64	29.68	14.65	16.37
Rubber	11.10	10.51	10.04	10.12	10.17
Tamarind Fruit	73.00	73.00	67.67	56.96	55.52

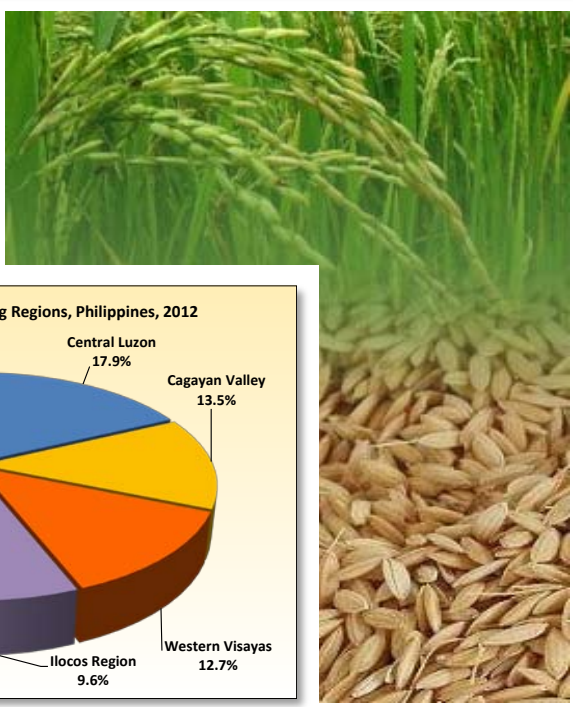
R/ - Revised

II. REGIONAL STATISTICS
A. CEREALS

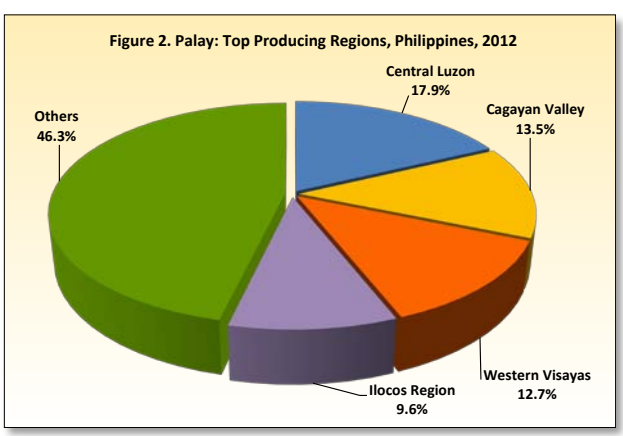
PALAY

At the national level, palay production over the last five (5) years registered an average annual growth of 1.76 percent. From 16.82 million mt in 2008, production significantly increased to 18.03 million mt in 2012. Harvest area expanded by more than 229 thousand hectares or 5.2 percent from the 2008 level (Figure 1). The top producers were Central Luzon, Cagayan Valley, Western Visayas and Ilocos Region with a combined output of 9.68 million mt or 53.7 percent of the country's total palay production in 2012 (Figure 2). The same regions accounted for 49.7 percent of the total area harvested of 4.69 million hectares (Figure 3).

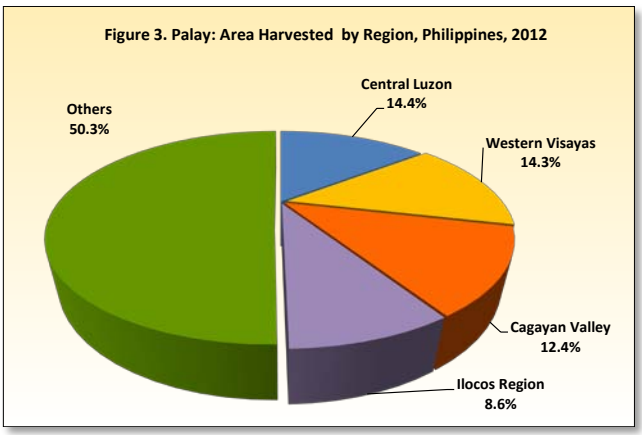


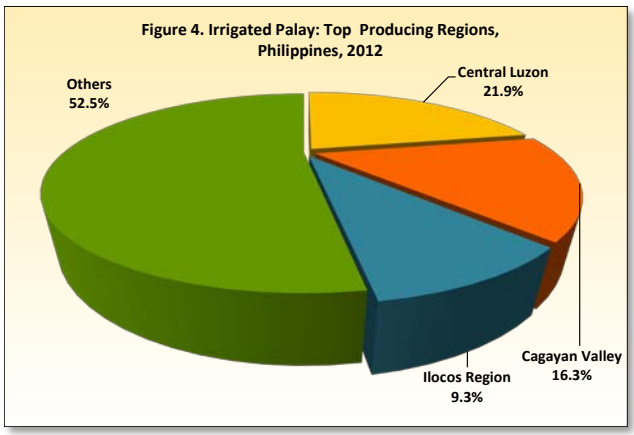


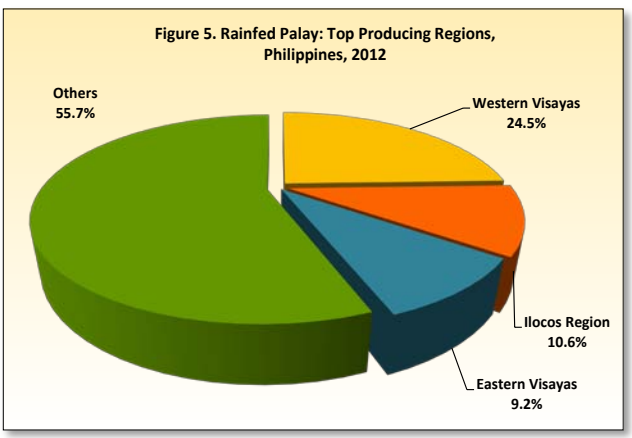
Palay production in irrigated areas reached 13.40 million mt. The top three (3) producing regions



were Central Luzon with 2.94 million mt; Cagayan Valley, 2.18 million mt; and Ilocos Region, 1.25 million mt. The combined output accounted for 47.5 percent of the country's total irrigated palay production in 2012 (Figure 4).







Production in rainfed areas was 4.64 million mt. Western Visayas was the leading producer with 24.5 percent share in the country's total tainfed palay output in 2012. Ilocos Region and Eastern Visayas followed with 10.6 percent and 9.2 percent shares, respectively (Figure 5).

Table 2.1 PALAY: PRODUCTION, AREA HARVESTED AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**16,815,548**	**16,266,417**	**15,772,319**	**16,684,062**	**18,032,422**
CAR	445,156	431,656	400,415	428,949	453,461
Ilocos Region	1,691,629	1,351,715	1,558,373	1,602,814	1,737,695
Cagayan Valley	2,080,240	2,077,036	1,745,722	2,144,766	2,425,433
Central Luzon	3,014,347	2,805,467	2,958,415	2,616,083	3,220,607
CALABARZON	428,085	383,035	390,189	399,193	389,272
MIMAROPA	863,215	930,674	857,532	981,669	1,030,606
Bicol Region	997,581	1,045,501	1,081,078	1,070,917	1,173,307
Western Visayas	2,117,598	2,205,071	1,789,693	2,245,038	2,292,201
Central Visayas	311,801	276,818	270,449	322,862	327,120
Eastern Visayas	1,030,621	952,220	964,145	984,017	994,972
Zamboanga Peninsula	551,310	565,764	552,645	622,203	618,831
Northern Mindanao	551,246	583,297	586,442	610,990	637,348
Davao Region	418,954	423,825	402,811	416,543	448,703
SOCCSKSARGEN	1,234,757	1,229,040	1,185,196	1,244,148	1,270,901
Caraga	447,317	425,551	405,871	416,997	469,205
ARMM	631,691	579,747	623,343	576,873	542,760
Area Harvested (ha)					
PHILIPPINES	**4,459,977**	**4,532,310**	**4,354,161**	**4,536,642**	**4,689,960**
CAR	119,816	119,368	117,057	118,779	120,100
Ilocos Region	388,763	389,339	394,110	392,417	403,169
Cagayan Valley	536,916	533,315	506,351	562,806	582,456
Central Luzon	666,309	664,121	681,901	616,887	675,781
CALABARZON	112,120	107,038	104,124	114,186	113,010
MIMAROPA	254,403	271,901	262,384	270,751	280,748
Bicol Region	290,718	313,602	316,804	318,361	334,275
Western Visayas	646,197	669,306	541,253	654,185	668,810
Central Visayas	105,154	102,927	101,875	106,824	105,797
Eastern Visayas	276,573	272,611	275,691	284,933	285,394
Zamboanga Peninsula	145,314	153,743	145,070	158,424	157,888
Northern Mindanao	137,276	147,270	143,324	152,410	154,712
Davao Region	95,252	96,168	95,901	100,683	103,993
SOCCSKSARGEN	346,403	349,668	329,817	343,620	345,985
Caraga	138,259	137,173	130,867	141,852	155,041
ARMM	200,504	204,760	207,632	199,524	202,801
Yield Per Hectare (mt)					
PHILIPPINES	**3.77**	**3.59**	**3.62**	**3.68**	**3.84**
CAR	3.72	3.62	3.42	3.61	3.78
Ilocos Region	4.35	3.47	3.95	4.08	4.31
Cagayan Valley	3.87	3.89	3.45	3.81	4.16
Central Luzon	4.52	4.22	4.34	4.24	4.77
CALABARZON	3.82	3.58	3.75	3.50	3.44
MIMAROPA	3.39	3.42	3.27	3.63	3.67
Bicol Region	3.43	3.33	3.41	3.36	3.51
Western Visayas	3.28	3.29	3.31	3.43	3.43
Central Visayas	2.97	2.69	2.65	3.02	3.09
Eastern Visayas	3.73	3.49	3.50	3.45	3.49
Zamboanga Peninsula	3.79	3.68	3.81	3.93	3.92
Northern Mindanao	4.02	3.96	4.09	4.01	4.12
Davao Region	4.40	4.41	4.20	4.14	4.31
SOCCSKSARGEN	3.56	3.51	3.59	3.62	3.67
Caraga	3.24	3.10	3.10	2.94	3.03
ARMM	3.15	2.83	3.00	2.89	2.68

Table 2.2 IRRIGATED PALAY: PRODUCTION, AREA HARVESTED AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**12,556,150**	**12,083,264**	**11,992,459**	**12,358,931**	**13,396,480**
CAR	372,282	362,841	335,343	364,657	385,958
Ilocos Region	1,113,627	929,064	1,108,293	1,144,248	1,245,655
Cagayan Valley	1,872,024	1,842,549	1,633,085	1,924,301	2,177,336
Central Luzon	2,710,433	2,537,528	2,712,810	2,386,583	2,939,815
CALABARZON	340,836	301,253	320,595	320,479	309,406
MIMAROPA	536,497	596,159	594,515	666,073	711,572
Bicol Region	724,258	739,995	791,987	735,577	815,197
Western Visayas	1,240,210	1,247,237	1,007,228	1,188,422	1,156,461
Central Visayas	192,239	170,058	175,798	205,841	208,926
Eastern Visayas	631,886	573,225	562,586	568,222	570,250
Zamboanga Peninsula	374,836	383,143	376,603	408,745	401,351
Northern Mindanao	507,939	531,605	535,695	551,111	574,426
Davao Region	378,087	386,390	367,215	378,753	405,435
SOCCSKSARGEN	998,390	996,995	985,124	1,017,609	1,028,961
Caraga	312,206	291,256	282,251	281,702	297,475
ARMM	250,400	193,966	203,331	216,608	168,256
Area Harvested (ha)					
PHILIPPINES	**3,032,638**	**3,055,763**	**3,008,325**	**3,072,637**	**3,163,182**
CAR	93,011	93,265	91,265	93,043	94,068
Ilocos Region	247,034	255,564	260,757	263,633	273,371
Cagayan Valley	454,715	447,183	441,583	479,036	495,498
Central Luzon	580,358	579,905	599,573	544,198	599,891
CALABARZON	80,024	75,124	79,494	83,111	80,120
MIMAROPA	145,603	163,113	166,012	174,752	185,166
Bicol Region	192,774	206,060	216,256	203,609	217,458
Western Visayas	337,176	336,549	273,564	314,768	305,588
Central Visayas	54,787	54,083	57,465	59,679	59,759
Eastern Visayas	131,398	130,847	129,254	134,126	133,847
Zamboanga Peninsula	89,685	93,404	89,362	93,712	91,163
Northern Mindanao	122,654	130,154	127,005	132,270	135,103
Davao Region	82,975	84,575	84,309	88,219	89,539
SOCCSKSARGEN	267,169	267,034	257,958	263,305	263,387
Caraga	89,273	85,932	84,980	88,264	89,489
ARMM	64,002	52,971	49,488	56,912	49,735
Yield Per Hectare (mt)					
PHILIPPINES	**4.14**	**3.95**	**3.99**	**4.02**	**4.24**
CAR	4.00	3.89	3.67	3.92	4.10
Ilocos Region	4.51	3.64	4.25	4.34	4.56
Cagayan Valley	4.12	4.12	3.70	4.02	4.39
Central Luzon	4.67	4.38	4.52	4.39	4.90
CALABARZON	4.26	4.01	4.03	3.86	3.86
MIMAROPA	3.68	3.65	3.58	3.81	3.84
Bicol Region	3.76	3.59	3.66	3.61	3.75
Western Visayas	3.68	3.71	3.68	3.78	3.78
Central Visayas	3.51	3.14	3.06	3.45	3.50
Eastern Visayas	4.81	4.38	4.35	4.24	4.26
Zamboanga Peninsula	4.18	4.10	4.21	4.36	4.40
Northern Mindanao	4.14	4.08	4.22	4.17	4.25
Davao Region	4.56	4.57	4.36	4.29	4.53
SOCCSKSARGEN	3.74	3.73	3.82	3.86	3.91
Caraga	3.50	3.39	3.32	3.19	3.32
ARMM	3.91	3.66	4.11	3.81	3.38

Table 2.3 RAINFED PALAY: PRODUCTION, AREA HARVESTED AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**4,259,398**	**4,183,153**	**3,779,860**	**4,325,131**	**4,635,942**
CAR	72,874	68,815	65,072	64,292	67,503
Ilocos Region	578,002	422,651	450,080	458,566	492,040
Cagayan Valley	208,216	234,487	112,637	220,465	248,097
Central Luzon	303,914	267,939	245,605	229,500	280,792
CALABARZON	87,249	81,782	69,594	78,714	79,866
MIMAROPA	326,718	334,515	263,017	315,596	319,034
Bicol Region	273,323	305,506	289,091	335,340	358,110
Western Visayas	877,388	957,834	782,465	1,056,616	1,135,740
Central Visayas	119,562	106,760	94,651	117,021	118,194
Eastern Visayas	398,735	378,995	401,559	415,795	424,722
Zamboanga Peninsula	176,474	182,621	176,042	213,458	217,480
Northern Mindanao	43,307	51,692	50,747	59,879	62,922
Davao Region	40,867	37,435	35,596	37,790	43,268
SOCCSKSARGEN	236,367	232,045	200,072	226,539	241,940
Caraga	135,111	134,295	123,620	135,295	171,730
ARMM	381,291	385,781	420,012	360,265	374,504
Area Harvested (ha)					
PHILIPPINES	**1,427,339**	**1,476,547**	**1,345,836**	**1,464,005**	**1,526,778**
CAR	26,805	26,103	25,792	25,736	26,032
Ilocos Region	141,729	133,775	133,353	128,784	129,798
Cagayan Valley	82,201	86,132	64,768	83,770	86,958
Central Luzon	85,951	84,216	82,328	72,689	75,890
CALABARZON	32,096	31,914	24,630	31,075	32,890
MIMAROPA	108,800	108,788	96,372	95,999	95,582
Bicol Region	97,944	107,542	100,548	114,752	116,817
Western Visayas	309,021	332,757	267,689	339,417	363,222
Central Visayas	50,367	48,844	44,410	47,145	46,038
Eastern Visayas	145,175	141,764	146,437	150,807	151,547
Zamboanga Peninsula	55,629	60,339	55,708	64,712	66,725
Northern Mindanao	14,622	17,116	16,319	20,140	19,609
Davao Region	12,277	11,593	11,592	12,464	14,454
SOCCSKSARGEN	79,234	82,634	71,859	80,315	82,598
Caraga	48,986	51,241	45,887	53,588	65,552
ARMM	136,502	151,789	158,144	142,612	153,066
Yield Per Hectare (mt)					
PHILIPPINES	**2.98**	**2.83**	**2.81**	**2.95**	**3.04**
CAR	2.72	2.64	2.52	2.50	2.59
Ilocos Region	4.08	3.16	3.38	3.56	3.79
Cagayan Valley	2.53	2.72	1.74	2.63	2.85
Central Luzon	3.54	3.18	2.98	3.16	3.70
CALABARZON	2.72	2.56	2.83	2.53	2.43
MIMAROPA	3.00	3.07	2.73	3.29	3.34
Bicol Region	2.79	2.84	2.88	2.92	3.07
Western Visayas	2.84	2.88	2.92	3.11	3.13
Central Visayas	2.37	2.19	2.13	2.48	2.57
Eastern Visayas	2.75	2.67	2.74	2.76	2.80
Zamboanga Peninsula	3.17	3.03	3.16	3.30	3.26
Northern Mindanao	2.96	3.02	3.11	2.97	3.21
Davao Region	3.33	3.23	3.07	3.03	2.99
SOCCSKSARGEN	2.98	2.81	2.78	2.82	2.93
Caraga	2.76	2.62	2.69	2.52	2.62
ARMM	2.79	2.54	2.66	2.53	2.45

CORN

Corn production increased from 6.93 million mt in 2008 to 7.41 million mt in 2012. It grew yearly by an average rate of 1.68 percent. The 2012 production was 6.25 percent higher than in 2011. The three (3) top producing regions were Cagayan Valley, Northern Mindanao and SOCCSKSARGEN with a combined output of 4.31 million mt or 58.1 percent of the national corn production (Figure 7).

Total area harvested was 2.59 million hectares in 2012. The three (3) major producing regions accounted for 47.8 percent of the country's total hectarage. Harvest area in 2012 at 2,593.8 thousand hectares recorded a 1.93 percent increase over the 2011 level (Figure 6).

Figure 6. Corn: Volume of Production and Area Harvested, Philippines, 2008-2012

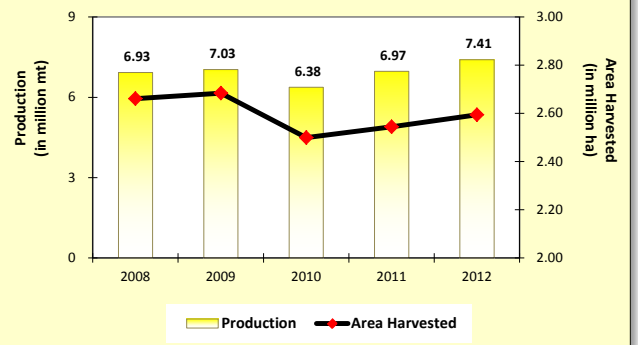
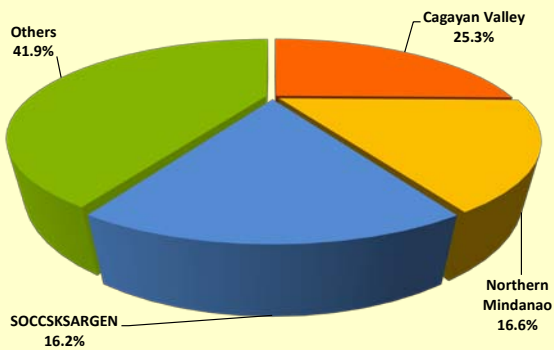
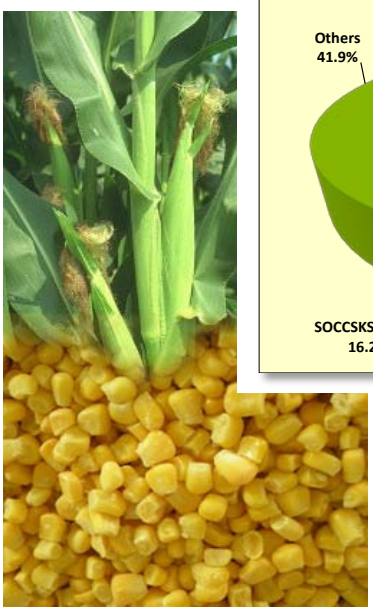


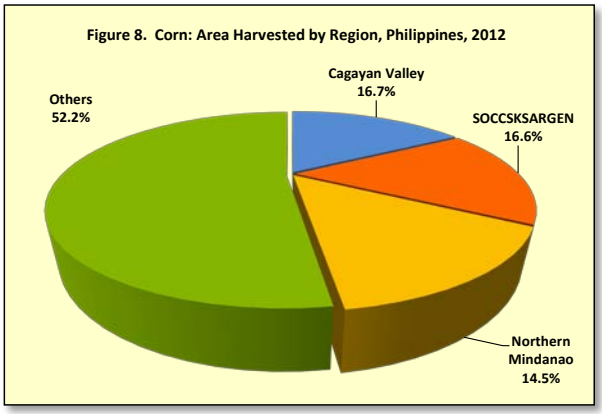
Figure 7. Corn: Top Producing Regions, Philippines, 2012



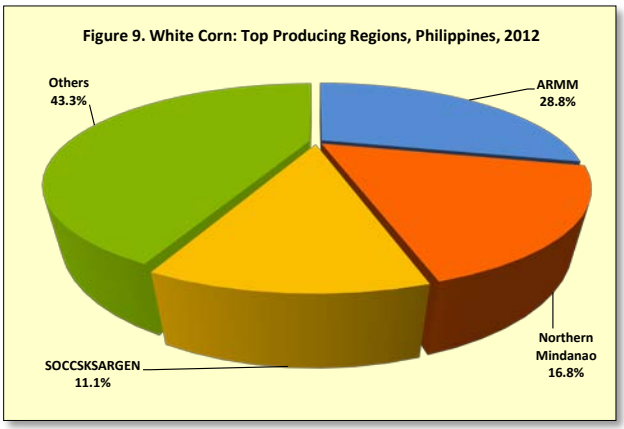


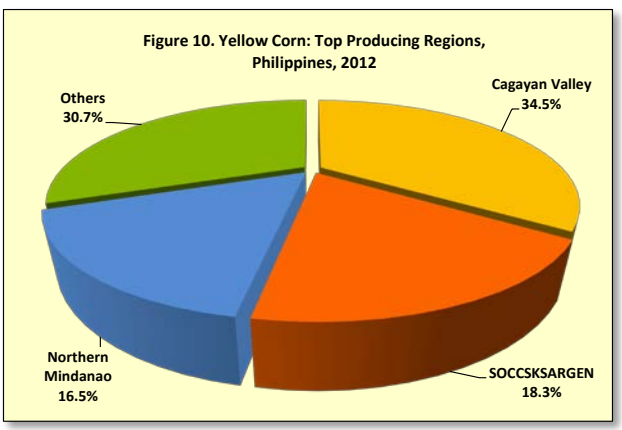
The country's total white corn production in 2012 was 2.17 million mt. ARMM with an output of 622.8 thousand mt. shared the biggest at 28.8 percent. Northern Mindanao and SOCCSKSARGEN, the other leading producers came up with 363.9 thousand mt and 241.1 thousand mt, respectively (Figure 9).

Total area harvested to white corn in 2012 was 1.31 million hectares. Average yield was recorded at 1.65 mt per hectare.



Yellow corn production in 2012 was 5.24 million mt. Cagayan Valley was the top producer with 34.5 percent or 1.81 million mt share to the national output. SOCCSKSARGEN followed with 18.3 percent share and Northern Mindanao with 16.5 percent (Figure 8).





Area harvested of these three (3) top producing regions totaled 890.5 thousand hectares. Among them, Northern Mindanao recorded the highest yield at 4.72 mt per hectare. Cagayan Valley and SOCCSKSARGEN followed with yields at 4.43 mt per hectare and 3.21 mt per hectare, respectively.

Table 2.4 CORN: PRODUCTION, AREA HARVESTED AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**6,928,225**	**7,034,033**	**6,376,796**	**6,971,221**	**7,406,830**
CAR	196,421	201,773	172,195	218,788	225,135
Ilocos Region	363,662	351,103	358,445	387,882	434,720
Cagayan Valley	1,476,879	1,598,198	1,263,614	1,601,687	1,875,385
Central Luzon	225,915	217,245	197,890	188,494	210,574
CALABARZON	60,319	51,949	60,209	57,557	58,657
MIMAROPA	110,088	103,906	67,712	84,173	87,223
Bicol Region	202,675	197,116	174,479	215,025	230,545
Western Visayas	350,259	272,844	247,997	309,915	330,782
Central Visayas	175,260	186,479	178,413	177,297	172,138
Eastern Visayas	96,594	94,821	90,215	83,992	87,333
Zamboanga Peninsula	181,809	177,248	195,349	200,091	211,331
Northern Mindanao	1,127,564	1,170,624	1,153,239	1,212,208	1,228,754
Davao Region	286,410	225,078	202,354	191,213	198,627
SOCCSKSARGEN	1,117,781	1,146,629	1,064,448	1,170,554	1,201,331
Caraga	99,916	88,591	94,571	75,684	89,521
ARMM	856,673	950,429	855,666	796,661	764,774
Area Harvested (ha)					
PHILIPPINES	**2,661,021**	**2,683,890**	**2,499,040**	**2,544,612**	**2,593,825**
CAR	52,698	55,212	48,991	56,051	57,290
Ilocos Region	74,460	73,153	75,342	77,183	82,793
Cagayan Valley	390,537	417,121	364,723	422,095	432,366
Central Luzon	48,307	45,749	42,977	38,836	40,481
CALABARZON	34,451	35,204	29,687	31,858	33,080
MIMAROPA	38,111	31,367	22,984	26,463	24,496
Bicol Region	100,274	106,715	101,812	108,243	112,964
Western Visayas	142,448	125,769	112,502	122,216	122,569
Central Visayas	236,248	231,473	215,980	212,438	206,270
Eastern Visayas	65,756	68,463	64,672	60,950	61,699
Zamboanga Peninsula	129,061	135,850	142,559	132,407	134,979
Northern Mindanao	383,695	381,373	365,955	364,059	376,800
Davao Region	188,362	174,674	153,282	149,081	146,077
SOCCSKSARGEN	430,221	430,182	405,644	427,050	429,319
Caraga	50,470	39,520	39,601	31,554	33,830
ARMM	295,922	332,065	312,329	284,128	298,812
Yield Per Hectare (mt)					
PHILIPPINES	**2.60**	**2.62**	**2.55**	**2.74**	**2.86**
CAR	3.73	3.65	3.51	3.90	3.93
Ilocos Region	4.88	4.80	4.76	5.03	5.25
Cagayan Valley	3.78	3.83	3.46	3.79	4.34
Central Luzon	4.68	4.75	4.60	4.85	5.20
CALABARZON	1.75	1.48	2.03	1.81	1.77
MIMAROPA	2.89	3.31	2.95	3.18	3.56
Bicol Region	2.02	1.85	1.71	1.99	2.04
Western Visayas	2.46	2.17	2.20	2.54	2.70
Central Visayas	0.74	0.81	0.83	0.83	0.83
Eastern Visayas	1.47	1.38	1.39	1.38	1.42
Zamboanga Peninsula	1.41	1.30	1.37	1.51	1.57
Northern Mindanao	2.94	3.07	3.15	3.33	3.26
Davao Region	1.52	1.29	1.32	1.28	1.36
SOCCSKSARGEN	2.60	2.67	2.62	2.74	2.80
Caraga	1.98	2.24	2.39	2.40	2.65
ARMM	2.89	2.86	2.74	2.80	2.56

Table 2.5 WHITE CORN: PRODUCTION, AREA HARVESTED AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**2,254,567**	**2,316,434**	**2,169,103**	**2,150,222**	**2,165,505**
CAR	15,224	16,688	15,677	20,147	20,345
Ilocos Region	57,377	53,331	47,413	52,753	51,461
Cagayan Valley	64,368	71,298	50,907	56,787	66,601
Central Luzon	23,458	19,100	22,948	21,321	24,238
CALABARZON	31,084	28,684	35,665	32,717	30,090
MIMAROPA	11,032	15,430	10,654	14,438	14,238
Bicol Region	49,746	50,728	45,564	47,208	47,714
Western Visayas	73,684	58,515	54,249	67,512	74,727
Central Visayas	165,387	180,735	176,985	176,025	171,387
Eastern Visayas	86,634	82,428	77,580	71,228	74,160
Zamboanga Peninsula	150,399	145,074	163,986	149,950	167,571
Northern Mindanao	381,578	382,661	372,834	349,754	363,919
Davao Region	188,007	176,406	166,414	153,555	150,704
SOCCSKSARGEN	297,311	287,903	246,574	253,808	241,059
Caraga	66,161	54,820	48,908	35,110	44,462
ARMM	593,117	692,633	632,745	647,909	622,829
Area Harvested (ha)					
PHILIPPINES	**1,367,410**	**1,402,845**	**1,338,943**	**1,283,701**	**1,311,581**
CAR	8,759	8,856	8,350	8,538	8,437
Ilocos Region	18,044	16,980	15,825	16,410	15,863
Cagayan Valley	26,045	28,453	24,442	24,619	23,873
Central Luzon	10,243	9,496	10,673	9,910	10,309
CALABARZON	19,538	22,242	18,789	19,104	19,640
MIMAROPA	6,665	7,324	6,431	7,277	6,698
Bicol Region	52,314	58,977	55,873	56,249	57,986
Western Visayas	51,930	47,282	43,980	48,944	47,823
Central Visayas	229,946	228,429	215,342	211,863	205,919
Eastern Visayas	59,958	61,405	57,439	53,750	54,421
Zamboanga Peninsula	117,140	122,980	131,786	116,766	122,390
Northern Mindanao	199,490	192,053	188,112	177,031	193,516
Davao Region	153,433	156,453	139,643	135,161	131,489
SOCCSKSARGEN	152,362	153,429	140,535	136,648	130,601
Caraga	41,185	31,001	28,902	22,007	24,174
ARMM	220,358	257,485	252,821	239,424	258,442
Yield Per Hectare (mt)					
PHILIPPINES	**1.65**	**1.65**	**1.62**	**1.68**	**1.65**
CAR	1.74	1.88	1.88	2.36	2.41
Ilocos Region	3.18	3.14	3.00	3.21	3.24
Cagayan Valley	2.47	2.51	2.08	2.31	2.79
Central Luzon	2.29	2.01	2.15	2.15	2.35
CALABARZON	1.59	1.29	1.90	1.71	1.53
MIMAROPA	1.66	2.11	1.66	1.98	2.13
Bicol Region	0.95	0.86	0.82	0.84	0.82
Western Visayas	1.42	1.24	1.23	1.38	1.56
Central Visayas	0.72	0.79	0.82	0.83	0.83
Eastern Visayas	1.44	1.34	1.35	1.33	1.36
Zamboanga Peninsula	1.28	1.18	1.24	1.28	1.37
Northern Mindanao	1.91	1.99	1.98	1.98	1.88
Davao Region	1.23	1.13	1.19	1.14	1.15
SOCCSKSARGEN	1.95	1.88	1.75	1.86	1.85
Caraga	1.61	1.77	1.69	1.60	1.84
ARMM	2.69	2.69	2.50	2.71	2.41

Table 2.6 YELLOW CORN: PRODUCTION, AREA HARVESTED AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**4,673,658**	**4,717,599**	**4,207,693**	**4,820,999**	**5,241,325**
CAR	181,197	185,085	156,518	198,641	204,790
Ilocos Region	306,285	297,772	311,032	335,129	383,259
Cagayan Valley	1,412,511	1,526,900	1,212,707	1,544,900	1,808,784
Central Luzon	202,457	198,145	174,942	167,173	186,336
CALABARZON	29,235	23,265	24,544	24,840	28,567
MIMAROPA	99,056	88,476	57,058	69,735	72,985
Bicol Region	152,929	146,388	128,915	167,817	182,831
Western Visayas	276,575	214,329	193,748	242,403	256,055
Central Visayas	9,873	5,744	1,428	1,272	751
Eastern Visayas	9,960	12,393	12,635	12,764	13,173
Zamboanga Peninsula	31,410	32,174	31,363	50,141	43,760
Northern Mindanao	745,986	787,963	780,405	862,454	864,835
Davao Region	98,403	48,672	35,940	37,658	47,923
SOCCSKSARGEN	820,470	858,726	817,874	916,746	960,272
Caraga	33,755	33,771	45,663	40,574	45,059
ARMM	263,556	257,796	222,921	148,752	141,945
Area Harvested (ha)					
PHILIPPINES	**1,293,611**	**1,281,045**	**1,160,097**	**1,260,911**	**1,282,244**
CAR	43,939	46,356	40,641	47,513	48,853
Ilocos Region	56,416	56,173	59,517	60,773	66,930
Cagayan Valley	364,492	388,668	340,281	397,476	408,493
Central Luzon	38,064	36,253	32,304	28,926	30,172
CALABARZON	14,913	12,962	10,898	12,754	13,440
MIMAROPA	31,446	24,043	16,553	19,186	17,798
Bicol Region	47,960	47,738	45,939	51,994	54,978
Western Visayas	90,518	78,487	68,522	73,272	74,746
Central Visayas	6,302	3,044	638	575	351
Eastern Visayas	5,798	7,058	7,233	7,200	7,278
Zamboanga Peninsula	11,921	12,870	10,773	15,641	12,589
Northern Mindanao	184,205	189,320	177,843	187,028	183,284
Davao Region	34,929	18,221	13,639	13,920	14,588
SOCCSKSARGEN	277,859	276,753	265,109	290,402	298,718
Caraga	9,285	8,519	10,699	9,547	9,656
ARMM	75,564	74,580	59,508	44,704	40,370
Yield Per Hectare (mt)					
PHILIPPINES	**3.61**	**3.68**	**3.63**	**3.82**	**4.09**
CAR	4.12	3.99	3.85	4.18	4.19
Ilocos Region	5.43	5.30	5.23	5.51	5.73
Cagayan Valley	3.88	3.93	3.56	3.89	4.43
Central Luzon	5.32	5.47	5.42	5.78	6.18
CALABARZON	1.96	1.79	2.25	1.95	2.13
MIMAROPA	3.15	3.68	3.45	3.63	4.10
Bicol Region	3.19	3.07	2.81	3.23	3.33
Western Visayas	3.06	2.73	2.83	3.31	3.43
Central Visayas	1.57	1.89	2.24	2.21	2.14
Eastern Visayas	1.72	1.76	1.75	1.77	1.81
Zamboanga Peninsula	2.63	2.50	2.91	3.21	3.48
Northern Mindanao	4.05	4.16	4.39	4.61	4.72
Davao Region	2.82	2.67	2.64	2.71	3.29
SOCCSKSARGEN	2.95	3.10	3.09	3.16	3.21
Caraga	3.64	3.96	4.27	4.25	4.67
ARMM	3.49	3.46	3.75	3.33	3.52

B. FRUIT CROPS

BANANA

Banana production grew at an average annual rate of 1.51 percent over the last five years, from 8,687.62 thousand mt in 2008 to 9,226.00 thousand mt in 2012. The production in 2012 was higher by 0.67 percent than the 2011 level. Area planted to banana expanded from the 438,593 hectares in 2008 to 454,179 hectares in 2012 (Table 3.1) or an average annual growth of 0.88 percent (Figure 1).

Figure 1. Banana: Volume of production, area planted and number of bearing hills, Philippines, 2008-2012

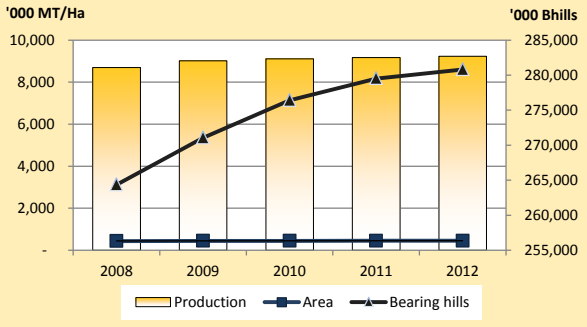
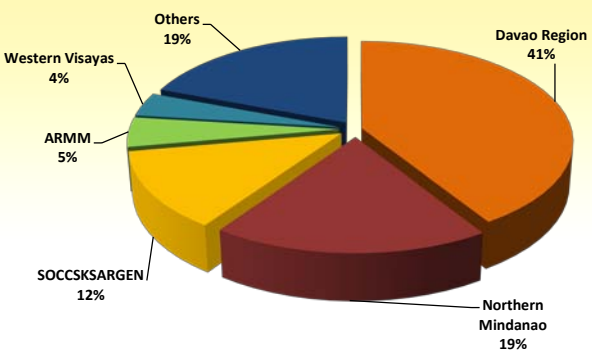


Figure 2. Banana: Top producing regions , Philippines, 2012



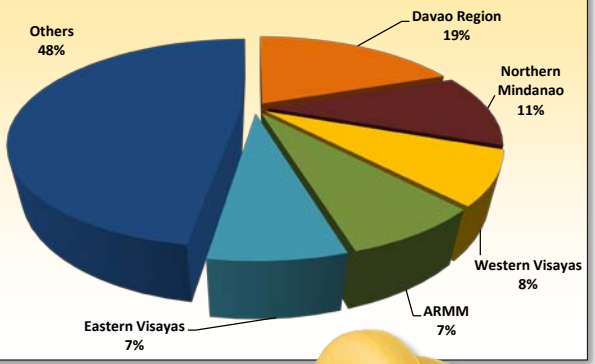
The top producing regions in 2012 were Davao Region, Northern Mindanao and SOCCSKSARGEN with a combined contribution accounting for 72 percent of the total national output (Figure 2). Vast areas planted to banana were found in Davao Region and Northern Mindanao which shared 30 percent or nearly one third of the country's total area planted to banana (Figure 3).

Cavendish variety. From 2008-2012, production of Cavendish banana posted an average annual growth of 2.05 percent. In 2012, production was 4,694.64 thousand mt, 0.18 percent higher than previous year's level of 4,686.00 thousand mt. Area planted in 2012 was 82,413 hectares higher by 2.72 percent than in 2011 (Table 3.1.1). The annual growth rate of area planted was 2.33 percent.

Davao Region and Northern Mindanao, the top two Cavendish banana producing regions in 2012, shared 62 percent and 23 percent, respectively, to the total Cavendish banana production in the country. In terms of area, the two regions accounted for 79 percent of the national total area planted to the said commodity.

Lacatan variety. The average annual growth of Lacatan banana production during the five-year period was 1.43 percent. From 890.70 thousand mt in 2008, it grew to 942.89 thousand mt in 2012. Area planted likewise expanded from 53,591 hectares to 58,065 hectares (Table 3.1.2).

Figure 3. Banana: Distribution of area planted by region, Philippines, 2012



The top producing regions in 2012 were Davao Region and SOCCSKSARGEN and Northern Mindanao with 24 percent, 24 percent and 18 percent shares, respectively, to the national output. In terms of area planted to lacatan banana, these three leading producing regions accounted for 43 percent of the total.

Saba variety. Saba banana production in 2008 was 2,526.84 thousand mt. In 2012, the total production was 2,645.76 thousand mt at an average annual rate of 1.16 percent. Area planted, on the other hand, exhibited a slower growth of 0.58 percent, from 183,139 hectares in 2008 to 187,423 hectares in 2012 (Table 3.1.3).

Davao Region was the top producer of saba banana with 571.43 thousand mt accounting for 22 percent of the country's total production. SOCCSKSARGEN followed with 348.48 thousand mt and Northern Mindanao ranked third with 294.61 thousand mt. In terms of area planted, Davao Region recorded the largest at 22,165 hectares accounting for 12 percent of the total area planted in 2012. Western Visayas which shared 10 percent to the total area devoted to saba banana ranked second.

Table 3.1 BANANA: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**8,687,624**	**9,013,186**	**9,101,341**	**9,165,046**	**9,225,998**
CAR	26,700	26,981	25,669	25,083	25,100
Ilocos Region	46,114	43,270	41,220	40,785	42,560
Cagayan Valley	378,201	419,406	368,074	269,193	308,469
Central Luzon	54,796	54,714	58,216	57,420	57,584
CALABARZON	105,366	109,406	105,842	113,588	116,469
MIMAROPA	196,096	204,745	210,383	223,794	199,268
Bicol Region	67,599	73,512	77,892	78,942	81,414
Western Visayas	328,171	334,507	332,178	344,588	353,138
Central Visayas	169,643	187,533	182,323	199,545	202,512
Eastern Visayas	269,133	275,425	278,306	277,173	280,439
Zamboanga Peninsula	253,667	261,081	263,643	238,309	240,487
Northern Mindanao	1,631,304	1,657,686	1,702,392	1,725,775	1,718,787
Davao Region	3,569,079	3,749,766	3,804,460	3,854,845	3,785,422
SOCCSKSARGEN	998,635	1,024,009	1,043,811	1,094,956	1,155,348
Caraga	219,636	209,399	210,393	204,140	218,805
ARMM	373,486	381,745	396,539	416,910	440,198
Area (ha)					
PHILIPPINES	**438,593**	**446,371**	**449,443**	**450,125**	**454,179**
CAR	4,956	4,864	4,842	4,864	4,932
Ilocos Region	7,863	7,818	7,615	7,538	7,590
Cagayan Valley	23,576	23,634	23,651	23,656	24,047
Central Luzon	6,305	6,291	6,295	6,273	6,256
CALABARZON	28,621	29,364	29,663	29,706	29,925
MIMAROPA	26,753	26,522	26,638	26,754	26,925
Bicol Region	18,754	18,694	18,809	18,777	18,816
Western Visayas	34,221	34,310	34,427	34,698	34,900
Central Visayas	21,097	21,500	21,541	21,536	21,571
Eastern Visayas	30,649	30,694	30,566	30,380	30,542
Zamboanga Peninsula	19,620	19,614	19,709	19,864	20,219
Northern Mindanao	49,903	50,527	51,519	51,452	51,433
Davao Region	80,221	86,302	87,313	88,379	88,320
SOCCSKSARGEN	29,101	28,876	29,243	29,284	29,952
Caraga	25,967	25,791	26,060	24,728	26,263
ARMM	30,988	31,570	31,552	32,237	32,488
Yield Per Hectare (mt)					
PHILIPPINES	**19.81**	**20.19**	**20.25**	**20.36**	**20.31**
CAR	5.39	5.55	5.30	5.16	5.09
Ilocos Region	5.86	5.53	5.41	5.41	5.61
Cagayan Valley	16.04	17.75	15.56	11.38	12.83
Central Luzon	8.69	8.70	9.25	9.15	9.20
CALABARZON	3.68	3.73	3.57	3.82	3.89
MIMAROPA	7.33	7.72	7.90	8.36	7.40
Bicol Region	3.60	3.93	4.14	4.20	4.33
Western Visayas	9.59	9.75	9.65	9.93	10.12
Central Visayas	8.04	8.72	8.46	9.27	9.39
Eastern Visayas	8.78	8.97	9.11	9.12	9.18
Zamboanga Peninsula	12.93	13.31	13.38	12.00	11.89
Northern Mindanao	32.69	32.81	33.04	33.54	33.42
Davao Region	44.49	43.45	43.57	43.62	42.86
SOCCSKSARGEN	34.32	35.46	35.69	37.39	38.57
Caraga	8.46	8.12	8.07	8.26	8.33
ARMM	12.05	12.09	12.57	12.93	13.55

Table 3.1a BANANA: NUMBER OF BEARING HILLS, BEARING HILLS PER HECTARE AND YIELD PER BEARING HILLS, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
BEARING HILLS (no.)					
PHILIPPINES	**264,356,573**	**271,047,238**	**276,405,963**	**279,512,164**	**280,893,124**
CAR	1,550,240	1,547,676	1,360,967	1,526,514	1,516,684
Ilocos Region	3,130,777	3,093,145	3,059,573	3,059,706	3,096,808
Cagayan Valley	14,883,540	14,858,599	14,287,350	13,245,237	13,106,223
Central Luzon	2,079,009	2,062,705	2,086,501	2,192,526	2,180,419
CALABARZON	9,024,617	9,089,691	9,089,171	9,839,430	9,619,434
MIMAROPA	10,749,567	10,780,269	11,030,711	11,121,999	11,158,130
Bicol Region	5,888,186	5,891,296	5,935,514	5,918,135	5,921,771
Western Visayas	15,482,180	14,902,646	14,901,113	15,192,508	15,093,721
Central Visayas	8,599,420	9,263,832	9,270,742	9,392,325	9,478,253
Eastern Visayas	9,387,494	9,470,574	9,597,416	9,533,797	9,712,320
Zamboanga Peninsula	7,139,955	7,048,624	7,195,658	7,340,259	7,278,402
Northern Mindanao	40,579,501	41,572,541	42,801,764	44,105,817	44,987,453
Davao Region	87,299,033	93,286,245	96,635,731	97,413,254	95,847,952
SOCCSKSARGEN	27,429,511	27,022,991	27,454,426	27,727,083	28,864,025
Caraga	9,455,483	9,392,270	9,462,289	9,212,590	9,999,929
ARMM	11,678,060	11,764,134	12,237,037	12,690,984	13,031,600
BEARING HILLS PER HECTARE					
PHILIPPINES	**603**	**607**	**615**	**621**	**618**
CAR	313	318	281	314	308
Ilocos Region	398	396	402	406	408
Cagayan Valley	631	629	604	560	545
Central Luzon	330	328	331	350	349
CALABARZON	315	310	306	331	321
MIMAROPA	402	406	414	416	414
Bicol Region	314	315	316	315	315
Western Visayas	452	434	433	438	432
Central Visayas	408	431	430	436	439
Eastern Visayas	306	309	314	314	318
Zamboanga Peninsula	364	359	365	370	360
Northern Mindanao	813	823	831	857	875
Davao Region	1,088	1,081	1,107	1,102	1,085
SOCCSKSARGEN	943	936	939	947	964
Caraga	364	364	363	373	381
ARMM	377	373	388	394	401
YIELD PER BEARING HILLS (kg)					
PHILIPPINES	**32.86**	**33.25**	**32.93**	**32.79**	**32.85**
CAR	17.22	17.43	18.86	16.43	16.55
Ilocos Region	14.73	13.99	13.47	13.33	13.74
Cagayan Valley	25.41	28.23	25.76	20.32	23.54
Central Luzon	26.36	26.53	27.90	26.19	26.41
CALABARZON	11.68	12.04	11.64	11.54	12.11
MIMAROPA	18.24	18.99	19.07	20.12	17.86
Bicol Region	11.48	12.48	13.12	13.34	13.75
Western Visayas	21.20	22.45	22.29	22.68	23.40
Central Visayas	19.73	20.24	19.67	21.25	21.37
Eastern Visayas	28.67	29.08	29.00	29.07	28.87
Zamboanga Peninsula	35.53	37.04	36.64	32.47	33.04
Northern Mindanao	40.20	39.87	39.77	39.13	38.21
Davao Region	40.88	40.20	39.37	39.57	39.49
SOCCSKSARGEN	36.41	37.89	38.02	39.49	40.03
Caraga	23.23	22.29	22.23	22.16	21.88
ARMM	31.98	32.45	32.40	32.85	33.78

Table 3.1.1 CAVENDISH BANANA: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**4,328,989**	**4,497,722**	**4,600,617**	**4,685,997**	**4,694,640**
CAR					
Ilocos Region					
Cagayan Valley		305	281	311	284
Central Luzon					
CALABARZON		149	107	805	909
MIMAROPA					
Bicol Region					
Western Visayas	1,568	1,558	1,552	1,589	1,648
Central Visayas	279	824	823	887	897
Eastern Visayas	55	190	192	189	193
Zamboanga Peninsula	197	187	169	157	146
Northern Mindanao	1,076,751	1,095,816	1,117,121	1,115,622	1,102,389
Davao Region	2,746,338	2,877,651	2,927,247	2,961,989	2,902,974
SOCCSKSARGEN	392,886	405,861	432,474	464,688	505,827
Caraga	14,527	14,674	14,739	20,486	40,886
ARMM	96,388	100,508	105,912	119,274	138,487
Area (ha)					
PHILIPPINES	**75,151**	**77,599**	**79,642**	**80,230**	**82,413**
CAR					
Ilocos Region					
Cagayan Valley	5	6	6	10	10
Central Luzon					
CALABARZON		25	44	44	44
MIMAROPA					
Bicol Region					
Western Visayas	145	146	148	159	160
Central Visayas	27	86	94	97	112
Eastern Visayas	15	34	34	34	36
Zamboanga Peninsula	30	30	30	29	98
Northern Mindanao	15,545	16,059	16,707	16,635	16,628
Davao Region	45,655	47,435	48,153	48,741	48,535
SOCCSKSARGEN	8,995	8,833	9,219	9,283	10,140
Caraga	569	580	842	804	2,105
ARMM	4,165	4,365	4,365	4,395	4,545
Yield Per Hectare (mt)					
PHILIPPINES	**57.60**	**57.96**	**57.77**	**58.41**	**56.96**
CAR					
Ilocos Region					
Cagayan Valley		50.83	46.83	31.14	28.43
Central Luzon					
CALABARZON		5.94	2.43	18.40	20.66
MIMAROPA					
Bicol Region					
Western Visayas	10.81	10.67	10.45	10.01	10.29
Central Visayas	10.34	9.58	8.76	9.14	8.01
Eastern Visayas	3.69	5.55	5.62	5.52	5.32
Zamboanga Peninsula	6.57	6.34	5.74	5.52	1.49
Northern Mindanao	69.27	68.24	66.87	67.06	66.30
Davao Region	60.15	60.67	60.79	60.77	59.81
SOCCSKSARGEN	43.68	45.95	46.91	50.06	49.88
Caraga	25.53	25.30	17.51	25.48	19.43
ARMM	23.14	23.03	24.26	27.14	30.47

Table 3.1.1a CAVENDISH BANANA: NUMBER OF BEARING HILLS, BEARING HILLS PER HECTARE AND YIELD PER BEARING HILLS, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
BEARING HILLS (no.)					
PHILIPPINES	**105,089,123**	**109,301,924**	**112,902,991**	**114,192,836**	**114,763,659**
CAR					
Ilocos Region					
Cagayan Valley		4,000	4,000	4,800	4,800
Central Luzon					
CALABARZON		19,000	19,000	34,700	37,500
MIMAROPA					
Bicol Region					
Western Visayas	63,780	63,856	64,498	64,939	65,430
Central Visayas	15,436	35,450	35,178	35,878	36,066
Eastern Visayas	3,296	17,504	18,175	18,180	18,747
Zamboanga Peninsula	7,609	6,289	7,079	6,609	6,030
Northern Mindanao	22,520,085	23,519,585	24,526,000	24,638,602	24,626,650
Davao Region	67,586,761	71,170,988	73,062,536	73,662,978	72,337,465
SOCCSKSARGEN	12,426,350	11,959,402	12,417,775	12,629,600	13,488,865
Caraga	441,056	453,200	491,100	838,900	1,555,370
ARMM	2,024,750	2,052,650	2,257,650	2,257,650	2,586,736
BEARING HILLS PER HECTARE					
PHILIPPINES	**1,398**	**1,409**	**1,418**	**1,423**	**1,393**
CAR					
Ilocos Region					
Cagayan Valley		667	667	480	480
Central Luzon					
CALABARZON		760	432	793	852
MIMAROPA					
Bicol Region					
Western Visayas	440	437	434	409	408
Central Visayas	572	412	374	370	322
Eastern Visayas	220	512	531	531	518
Zamboanga Peninsula	254	213	240	232	62
Northern Mindanao	1,449	1,465	1,468	1,481	1,481
Davao Region	1,480	1,500	1,517	1,511	1,490
SOCCSKSARGEN	1,381	1,354	1,347	1,361	1,330
Caraga	775	781	583	1,043	739
ARMM	486	470	517	514	569
YIELD PER BEARING HILLS (kg)					
PHILIPPINES	**41.19**	**41.15**	**40.75**	**41.04**	**40.91**
CAR					
Ilocos Region					
Cagayan Valley		76.25	70.25	64.88	59.23
Central Luzon					
CALABARZON		7.82	5.64	23.20	24.25
MIMAROPA					
Bicol Region					
Western Visayas	24.59	24.41	24.06	24.47	25.18
Central Visayas	18.09	23.24	23.40	24.71	24.86
Eastern Visayas	16.81	10.83	10.57	10.38	10.28
Zamboanga Peninsula	25.91	29.76	23.90	23.80	24.19
Northern Mindanao	47.81	46.59	45.55	45.28	44.76
Davao Region	40.63	40.43	40.06	40.21	40.13
SOCCSKSARGEN	31.62	33.94	34.83	36.79	37.50
Caraga	32.94	32.38	30.01	24.42	26.29
ARMM	47.61	48.97	46.91	52.83	53.54

Table 3.1.2 LACATAN BANANA: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**890,702**	**916,932**	**921,602**	**926,719**	**942,893**
CAR	4,804	4,930	4,318	4,231	4,146
Ilocos Region	1,095	1,005	931	932	950
Cagayan Valley	41,798	45,746	39,773	29,305	35,307
Central Luzon	12,829	12,854	13,200	13,140	13,243
CALABARZON	8,237	8,359	8,060	8,144	8,260
MIMAROPA	36,396	38,228	39,954	42,266	37,151
Bicol Region	3,362	3,554	3,720	3,727	3,812
Western Visayas	19,024	19,212	19,245	19,757	20,156
Central Visayas	12,515	14,690	14,310	16,556	16,527
Eastern Visayas	15,495	15,795	16,249	16,124	16,222
Zamboanga Peninsula	49,890	52,826	53,372	45,952	49,181
Northern Mindanao	152,631	154,704	164,923	166,313	169,094
Davao Region	188,762	205,200	207,496	219,874	224,093
SOCCSKSARGEN	228,537	225,388	219,189	223,141	225,610
Caraga	27,823	26,993	26,844	21,992	20,228
ARMM	87,503	87,449	90,015	95,264	98,913
Area (ha)					
PHILIPPINES	**53,591**	**56,252**	**56,579**	**57,032**	**58,065**
CAR	975	968	959	965	1,004
Ilocos Region	288	290	280	282	283
Cagayan Valley	3,207	3,226	3,231	3,214	3,239
Central Luzon	1,281	1,282	1,292	1,290	1,288
CALABARZON	2,438	2,418	2,423	2,406	2,391
MIMAROPA	4,945	4,964	4,986	5,028	5,100
Bicol Region	1,063	1,063	1,080	1,079	1,079
Western Visayas	1,730	1,753	1,771	1,816	1,874
Central Visayas	2,344	2,353	2,374	2,376	2,386
Eastern Visayas	1,468	1,471	1,469	1,472	1,451
Zamboanga Peninsula	3,357	3,394	3,447	3,540	4,308
Northern Mindanao	6,685	6,691	6,747	6,724	6,726
Davao Region	8,626	11,023	11,144	11,345	11,417
SOCCSKSARGEN	6,945	6,872	6,863	6,752	6,800
Caraga	3,674	3,529	3,561	3,493	3,491
ARMM	4,565	4,954	4,952	5,250	5,228
Yield Per Hectare (mt)					
PHILIPPINES	**16.62**	**16.30**	**16.29**	**16.25**	**16.24**
CAR	4.93	5.09	4.50	4.38	4.13
Ilocos Region	3.80	3.47	3.32	3.31	3.35
Cagayan Valley	13.03	14.18	12.31	9.12	10.90
Central Luzon	10.01	10.03	10.22	10.19	10.28
CALABARZON	3.38	3.46	3.33	3.38	3.45
MIMAROPA	7.36	7.70	8.01	8.41	7.28
Bicol Region	3.16	3.34	3.44	3.45	3.53
Western Visayas	11.00	10.96	10.86	10.88	10.76
Central Visayas	5.34	6.24	6.03	6.97	6.93
Eastern Visayas	10.55	10.74	11.07	10.96	11.18
Zamboanga Peninsula	14.86	15.56	15.48	12.98	11.42
Northern Mindanao	22.83	23.12	24.44	24.73	25.14
Davao Region	21.88	18.62	18.62	19.38	19.63
SOCCSKSARGEN	32.91	32.80	31.94	33.05	33.18
Caraga	7.57	7.65	7.54	6.30	5.79
ARMM	19.17	17.65	18.18	18.14	18.92

Table 3.1.2a LACATAN BANANA: NUMBER OF BEARING HILLS, BEARING HILLS PER HECTARE AND YIELD PER BEARING HILLS, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
BEARING HILLS (no.)					
PHILIPPINES	**29,843,193**	**31,384,421**	**31,804,423**	**32,216,833**	**32,444,555**
CAR	264,870	272,479	205,592	256,958	265,465
Ilocos Region	89,863	87,274	79,990	79,889	81,080
Cagayan Valley	2,169,435	2,159,001	2,084,201	1,928,039	1,933,059
Central Luzon	474,229	477,479	477,650	489,265	489,315
CALABARZON	872,280	874,040	873,700	878,796	869,600
MIMAROPA	2,037,726	2,056,083	2,090,449	2,113,643	2,129,596
Bicol Region	320,531	320,629	326,033	325,705	325,755
Western Visayas	900,413	895,893	894,096	902,835	902,827
Central Visayas	1,067,154	1,115,523	1,081,859	1,097,184	1,032,007
Eastern Visayas	513,076	536,361	535,904	519,827	505,344
Zamboanga Peninsula	1,242,450	1,230,320	1,263,815	1,303,015	1,375,172
Northern Mindanao	4,878,900	4,881,863	5,048,552	5,410,720	5,775,000
Davao Region	5,376,524	6,828,798	7,144,594	7,183,869	7,069,008
SOCCSKSARGEN	6,213,215	6,229,493	6,156,306	6,142,409	6,128,088
Caraga	1,482,900	1,465,700	1,463,800	1,435,350	1,413,850
ARMM	1,939,627	1,953,485	2,077,882	2,149,329	2,149,389
BEARING HILLS PER HECTARE					
PHILIPPINES	**557**	**558**	**562**	**565**	**559**
CAR	272	281	214	266	264
Ilocos Region	312	301	286	283	286
Cagayan Valley	676	669	645	600	597
Central Luzon	370	372	370	379	380
CALABARZON	358	361	361	365	364
MIMAROPA	412	414	419	420	418
Bicol Region	302	302	302	302	302
Western Visayas	520	511	505	497	482
Central Visayas	455	474	456	462	433
Eastern Visayas	349	365	365	353	348
Zamboanga Peninsula	370	362	367	368	319
Northern Mindanao	730	730	748	805	859
Davao Region	623	620	641	633	619
SOCCSKSARGEN	895	907	897	910	901
Caraga	404	415	411	411	405
ARMM	425	394	420	409	411
YIELD PER BEARING HILLS (kg)					
PHILIPPINES	**29.85**	**29.22**	**28.98**	**28.77**	**29.06**
CAR	18.14	18.09	21.00	16.47	15.62
Ilocos Region	12.19	11.52	11.64	11.67	11.72
Cagayan Valley	19.27	21.19	19.08	15.20	18.26
Central Luzon	27.05	26.92	27.64	26.86	27.06
CALABARZON	9.44	9.56	9.23	9.27	9.50
MIMAROPA	17.86	18.59	19.11	20.00	17.45
Bicol Region	10.49	11.08	11.41	11.44	11.70
Western Visayas	21.13	21.44	21.53	21.88	22.33
Central Visayas	11.73	13.17	13.23	15.09	16.01
Eastern Visayas	30.20	29.45	30.32	31.02	32.10
Zamboanga Peninsula	40.15	42.94	42.23	35.27	35.76
Northern Mindanao	31.28	31.69	32.67	30.74	29.28
Davao Region	35.11	30.05	29.04	30.61	31.70
SOCCSKSARGEN	36.78	36.18	35.60	36.33	36.82
Caraga	18.76	18.42	18.34	15.32	14.31
ARMM	45.11	44.77	43.32	44.32	46.02

Table 3.1.3 SABA BANANA: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

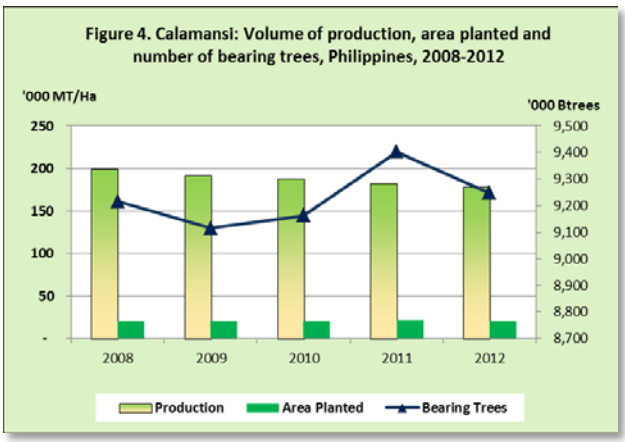
Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**2,526,835**	**2,636,342**	**2,632,692**	**2,616,842**	**2,645,762**
CAR	8,989	9,090	9,021	8,769	8,910
Ilocos Region	23,118	21,573	20,365	20,009	21,055
Cagayan Valley	268,663	302,776	267,578	191,181	214,918
Central Luzon	25,566	25,068	27,928	27,395	27,464
CALABARZON	67,565	70,343	68,131	74,187	76,081
MIMAROPA	121,094	126,831	130,686	141,302	125,673
Bicol Region	35,443	38,636	40,745	41,415	42,704
Western Visayas	200,390	205,426	203,497	212,543	218,719
Central Visayas	116,207	126,672	122,977	133,067	135,700
Eastern Visayas	176,903	180,061	182,217	181,739	183,557
Zamboanga Peninsula	136,980	140,002	143,631	131,131	131,884
Northern Mindanao	253,216	259,750	269,395	291,200	294,605
Davao Region	548,341	576,523	579,465	582,529	571,431
SOCCSKSARGEN	307,192	320,277	321,523	334,401	348,477
Caraga	116,941	109,532	114,201	111,911	108,041
ARMM	120,228	123,782	131,333	134,063	136,544
Area (ha)					
PHILIPPINES	**183,139**	**185,118**	**185,800**	**186,317**	**187,423**
CAR	1,336	1,304	1,328	1,318	1,317
Ilocos Region	3,270	3,267	3,161	3,104	3,113
Cagayan Valley	14,360	14,387	14,397	14,422	14,672
Central Luzon	2,444	2,439	2,439	2,437	2,434
CALABARZON	16,337	17,087	17,312	17,362	17,602
MIMAROPA	14,712	14,720	14,791	14,864	14,984
Bicol Region	9,512	9,462	9,500	9,492	9,514
Western Visayas	18,742	18,701	18,721	18,825	18,887
Central Visayas	12,567	12,891	12,896	12,902	12,931
Eastern Visayas	14,571	14,579	14,607	14,606	14,647
Zamboanga Peninsula	8,319	8,351	8,399	8,541	8,550
Northern Mindanao	12,694	12,831	12,972	13,084	13,080
Davao Region	21,084	21,866	21,943	22,150	22,165
SOCCSKSARGEN	9,314	9,346	9,296	9,421	9,333
Caraga	9,384	9,394	9,417	8,800	9,030
ARMM	14,492	14,493	14,621	14,990	15,165
Yield Per Hectare (mt)					
PHILIPPINES	**13.80**	**14.24**	**14.17**	**14.05**	**14.12**
CAR	6.73	6.97	6.79	6.65	6.77
Ilocos Region	7.07	6.60	6.44	6.45	6.76
Cagayan Valley	18.71	21.05	18.59	13.26	14.65
Central Luzon	10.46	10.28	11.45	11.24	11.28
CALABARZON	4.14	4.12	3.94	4.27	4.32
MIMAROPA	8.23	8.62	8.84	9.51	8.39
Bicol Region	3.73	4.08	4.29	4.36	4.49
Western Visayas	10.69	10.98	10.87	11.29	11.58
Central Visayas	9.25	9.83	9.54	10.31	10.49
Eastern Visayas	12.14	12.35	12.47	12.44	12.53
Zamboanga Peninsula	16.47	16.76	17.10	15.35	15.42
Northern Mindanao	19.95	20.24	20.77	22.26	22.52
Davao Region	111.55	114.16	26.41	26.30	25.78
SOCCSKSARGEN	32.98	34.27	34.59	35.50	37.34
Caraga	12.46	11.66	12.13	12.72	11.96
ARMM	8.30	8.54	8.98	8.94	9.00

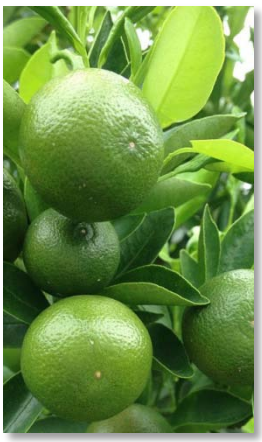
Table 3.1.3a SABA BANANA: NUMBER OF BEARING HILLS, BEARING HILLS PER HECTARE AND YIELD PER BEARING HILLS, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
BEARING HILLS (no.)					
PHILIPPINES	**77,109,265**	**77,905,041**	**78,584,660**	**79,570,508**	**80,024,176**
CAR	467,782	464,590	427,858	465,188	457,886
Ilocos Region	1,266,925	1,250,303	1,231,081	1,225,966	1,228,803
Cagayan Valley	8,885,646	8,890,325	8,573,843	7,871,149	7,721,274
Central Luzon	733,476	708,892	730,236	787,846	784,340
CALABARZON	4,844,360	4,889,120	4,889,180	5,304,760	5,207,504
MIMAROPA	5,846,345	5,957,017	6,126,477	6,166,289	6,195,561
Bicol Region	2,745,687	2,746,935	2,762,924	2,757,021	2,758,595
Western Visayas	7,979,066	7,618,011	7,614,511	7,704,453	7,719,863
Central Visayas	4,469,849	4,953,548	4,953,548	5,036,553	5,145,181
Eastern Visayas	4,206,634	4,226,478	4,303,847	4,304,960	4,474,898
Zamboanga Peninsula	3,341,480	3,299,840	3,367,180	3,367,170	3,300,235
Northern Mindanao	6,602,190	6,594,542	6,642,882	7,307,912	7,603,722
Davao Region	11,294,122	11,796,668	12,188,314	12,325,024	12,201,110
SOCCSKSARGEN	6,130,981	6,174,178	6,209,278	6,280,149	6,471,530
Caraga	3,213,952	3,224,215	3,280,040	3,005,060	3,091,916
ARMM	5,080,770	5,110,379	5,283,461	5,661,008	5,661,758
BEARING HILLS PER HECTARE					
PHILIPPINES	**421**	**421**	**423**	**427**	**427**
CAR	350	356	322	353	348
Ilocos Region	387	383	390	395	395
Cagayan Valley	619	618	596	546	526
Central Luzon	300	291	299	323	322
CALABARZON	297	286	282	306	296
MIMAROPA	397	405	414	415	413
Bicol Region	289	290	291	290	290
Western Visayas	426	407	407	409	409
Central Visayas	356	384	384	390	398
Eastern Visayas	289	290	295	295	306
Zamboanga Peninsula	402	395	401	394	386
Northern Mindanao	520	514	512	559	581
Davao Region	536	539	555	556	550
SOCCSKSARGEN	658	661	668	667	693
Caraga	342	343	348	341	342
ARMM	351	353	361	378	373
YIELD PER BEARING HILLS (kg)					
PHILIPPINES	**32.77**	**33.84**	**33.50**	**32.89**	**33.06**
CAR	19.22	19.57	21.08	18.85	19.46
Ilocos Region	18.25	17.25	16.54	16.32	17.13
Cagayan Valley	30.24	34.06	31.21	24.29	27.83
Central Luzon	34.86	35.36	38.24	34.77	35.01
CALABARZON	13.95	14.39	13.93	13.99	14.61
MIMAROPA	20.71	21.29	21.33	22.92	20.28
Bicol Region	12.91	14.06	14.75	15.02	15.48
Western Visayas	25.11	26.97	26.72	27.59	28.33
Central Visayas	26.00	25.57	24.83	26.42	26.37
Eastern Visayas	42.05	42.60	42.34	42.22	41.02
Zamboanga Peninsula	40.99	42.43	42.66	38.94	39.96
Northern Mindanao	38.35	39.39	40.55	39.85	38.74
Davao Region	48.55	48.87	47.54	47.26	46.83
SOCCSKSARGEN	50.10	51.87	51.78	53.25	53.85
Caraga	36.39	33.97	34.82	37.24	34.94
ARMM	23.66	24.22	24.86	23.68	24.12

CALAMANSI

Calamansi production in 2008-2012 dropped by an average of 2.76 percent annually or from 199.68 thousand mt in 2008 to 178.51 thousand mt in 2012 (Figure 1). Area harvested, likewise, decreased by 0.15 percent or from 20,956 hectares in 2008 to 20,827 hectares in 2012 (Table 3.2).





MIMAROPA, the top calamansi producing region, shared 57 percent in the country's production in 2012 with 102.68 thousand mt (Figure 2). This was, however, about 3 percent below the 105.41 thousand mt production level in the previous year. Such was attributed to the drop in yield caused by frequent rains experienced in the region. Area planted of 7,7 thousand hectares in the region contributed 37 percent to the total calamansi area in the country.

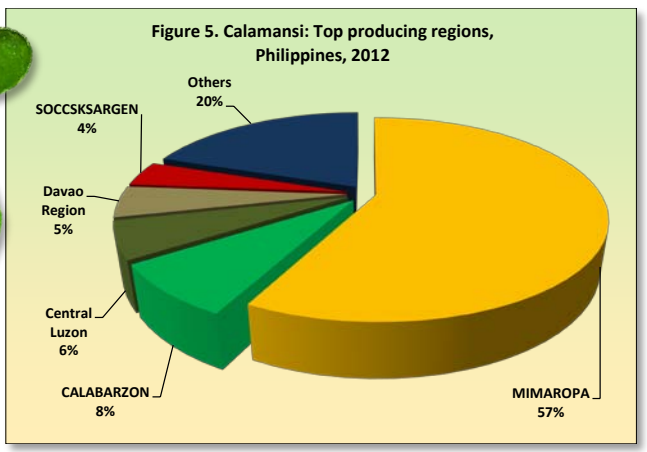


Table 3.2 CALAMANSI: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**199,675**	**192,187**	**188,340**	**182,550**	**178,507**
CAR	438	426	421	419	420
Ilocos Region	3,431	3,311	3,312	3,340	3,370
Cagayan Valley	8,481	7,631	7,253	6,992	6,896
Central Luzon	10,243	9,940	10,301	10,225	10,366
CALABARZON	15,337	15,096	15,328	15,112	14,382
MIMAROPA	118,245	113,436	109,612	105,409	102,628
Bicol Region	2,513	2,309	2,287	2,238	2,176
Western Visayas	6,944	6,552	6,162	5,568	5,340
Central Visayas	1,227	1,271	1,159	1,106	1,117
Eastern Visayas	2,454	2,483	2,467	2,479	2,510
Zamboanga Peninsula	5,907	5,702	5,748	6,168	6,341
Northern Mindanao	1,265	1,261	1,295	1,286	1,314
Davao Region	10,193	10,029	10,062	9,290	8,838
SOCCSKSARGEN	6,646	6,581	6,777	6,885	7,120
Caraga	5,203	4,994	4,943	4,808	4,310
ARMM	1,149	1,165	1,213	1,227	1,379
Area (ha)					
PHILIPPINES	**20,956**	**20,912**	**20,987**	**21,141**	**20,827**
CAR	68	65	64	65	67
Ilocos Region	1,018	1,025	1,026	1,026	1,026
Cagayan Valley	1,180	1,182	1,182	1,168	1,171
Central Luzon	1,223	1,226	1,238	1,234	1,230
CALABARZON	1,478	1,480	1,480	1,726	1,756
MIMAROPA	7,962	7,966	7,977	7,989	7,663
Bicol Region	1,077	1,030	993	988	967
Western Visayas	962	939	934	919	899
Central Visayas	252	257	251	251	250
Eastern Visayas	192	195	196	197	205
Zamboanga Peninsula	979	981	1,087	1,092	1,079
Northern Mindanao	425	425	425	424	424
Davao Region	1,995	1,993	1,992	1,947	1,946
SOCCSKSARGEN	924	926	927	929	995
Caraga	1,072	1,073	1,066	1,037	997
ARMM	149	149	149	149	151
Yield Per Hectare (mt)					
PHILIPPINES	**9.53**	**9.19**	**8.97**	**8.63**	**8.57**
CAR	6.44	6.56	6.58	6.44	6.27
Ilocos Region	3.37	3.23	3.23	3.25	3.29
Cagayan Valley	7.19	6.46	6.14	5.99	5.89
Central Luzon	8.38	8.11	8.32	8.29	8.43
CALABARZON	10.38	10.20	10.36	8.76	8.19
MIMAROPA	14.85	14.24	13.74	13.19	13.39
Bicol Region	2.33	2.24	2.30	2.26	2.25
Western Visayas	7.22	6.98	6.60	6.06	5.94
Central Visayas	4.87	4.95	4.62	4.41	4.47
Eastern Visayas	12.82	12.74	12.59	12.57	12.22
Zamboanga Peninsula	6.03	5.81	5.29	5.65	5.88
Northern Mindanao	2.98	2.97	3.05	3.03	3.10
Davao Region	5.11	5.03	5.05	4.77	4.54
SOCCSKSARGEN	7.19	7.11	7.31	7.41	7.16
Caraga	4.85	4.65	4.64	4.64	4.32
ARMM	7.71	7.82	8.14	8.23	9.12

Table 3.2a CALAMANSI: NUMBER OF BEARING TREES, BEARING TREES PER HECTARE AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
BEARING TREES (no.)					
PHILIPPINES	**9,216,422**	**9,115,380**	**9,163,050**	**9,402,373**	**9,247,414**
CAR	33,814	32,975	33,009	32,966	33,116
Ilocos Region	379,050	401,232	403,617	404,362	405,972
Cagayan Valley	673,145	673,671	660,124	655,827	651,670
Central Luzon	510,930	519,730	526,515	526,682	528,044
CALABARZON	740,558	739,088	739,013	908,713	936,848
MIMAROPA	3,407,937	3,304,141	3,313,647	3,319,657	3,166,516
Bicol Region	266,265	239,815	224,097	223,097	215,471
Western Visayas	675,673	655,879	646,156	631,430	620,570
Central Visayas	115,040	115,092	113,795	114,245	103,849
Eastern Visayas	60,626	60,802	61,026	59,055	61,148
Zamboanga Peninsula	360,740	370,190	423,640	520,240	519,860
Northern Mindanao	133,285	132,137	134,947	138,244	138,512
Davao Region	996,700	1,006,378	1,000,671	974,405	971,720
SOCCSKSARGEN	434,904	435,955	454,198	470,800	473,024
Caraga	385,535	386,050	385,700	379,655	377,799
ARMM	42,220	42,245	42,895	42,995	43,295
BEARING TREES PER HECTARE					
PHILIPPINES	**440**	**436**	**437**	**445**	**444**
CAR	497	507	516	507	494
Ilocos Region	372	391	393	394	396
Cagayan Valley	570	570	558	562	557
Central Luzon	418	424	425	427	429
CALABARZON	501	499	499	526	534
MIMAROPA	428	415	415	416	413
Bicol Region	247	233	226	226	223
Western Visayas	702	698	692	687	690
Central Visayas	457	448	453	455	415
Eastern Visayas	317	312	311	299	298
Zamboanga Peninsula	368	377	390	476	482
Northern Mindanao	314	311	318	326	327
Davao Region	500	505	502	500	499
SOCCSKSARGEN	471	471	490	507	475
Caraga	360	360	362	366	379
ARMM	283	284	288	289	286
YIELD PER BEARING TREE (kg)					
PHILIPPINES	**21.67**	**21.08**	**20.55**	**19.42**	**19.30**
CAR	12.96	12.93	12.75	12.70	12.69
Ilocos Region	9.05	8.25	8.21	8.26	8.30
Cagayan Valley	12.60	11.33	10.99	10.66	10.58
Central Luzon	20.05	19.13	19.57	19.41	19.63
CALABARZON	20.71	20.43	20.74	16.63	15.35
MIMAROPA	34.70	34.33	33.08	31.75	32.41
Bicol Region	9.44	9.63	10.21	10.03	10.10
Western Visayas	10.28	9.99	9.54	8.82	8.61
Central Visayas	10.67	11.05	10.18	9.68	10.75
Eastern Visayas	40.48	40.83	40.43	41.98	41.05
Zamboanga Peninsula	16.38	15.40	13.57	11.86	12.20
Northern Mindanao	9.49	9.55	9.59	9.30	9.48
Davao Region	10.23	9.97	10.06	9.53	9.10
SOCCSKSARGEN	15.28	15.10	14.92	14.62	15.05
Caraga	13.50	12.94	12.82	12.66	11.41
ARMM	27.21	27.57	28.27	28.54	31.85

Table 3.3 DURIAN: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**51,399**	**55,727**	**77,548**	**58,969**	**85,961**
CAR					
Ilocos Region					
Cagayan Valley			2	46	46
Central Luzon				1	1
CALABARZON	73	81	79	47	49
MIMAROPA	13	13	14	15	16
Bicol Region					
Western Visayas	299	336	338	49	169
Central Visayas	6	17	17	1	1
Eastern Visayas	7	9	9	11	11
Zamboanga Peninsula	348	537	811	630	541
Northern Mindanao	1,438	1,932	2,151	1,981	2,057
Davao Region	36,787	42,817	55,606	50,851	67,800
SOCCSKSARGEN	2,230	2,985	3,455	3,738	3,950
Caraga	1,105	1,341	1,282	1,341	2,286
ARMM	9,092	5,660	13,785	259	9,034
Area (ha)					
PHILIPPINES	**18,371**	**18,669**	**18,838**	**19,001**	**19,392**
CAR					
Ilocos Region					
Cagayan Valley	3	3	3	3	3
Central Luzon				2	4
CALABARZON	34	34	34	34	37
MIMAROPA	24	25	30	33	33
Bicol Region					
Western Visayas	181	181	181	181	181
Central Visayas	8	17	18	19	19
Eastern Visayas	32	34	34	38	43
Zamboanga Peninsula	908	1,006	1,037	1,061	1,066
Northern Mindanao	1,359	1,414	1,419	1,419	1,425
Davao Region	11,194	11,299	11,409	11,510	11,540
SOCCSKSARGEN	1,812	1,815	1,828	1,847	1,930
Caraga	1,685	1,685	1,689	1,689	1,796
ARMM	1,131	1,156	1,156	1,165	1,315
Yield Per Hectare (mt)					
PHILIPPINES	**2.80**	**2.99**	**4.12**	**3.10**	**4.43**
CAR					
Ilocos Region					
Cagayan Valley			0.67	15.23	15.38
Central Luzon				0.60	0.34
CALABARZON	2.16	2.38	2.32	1.38	1.35
MIMAROPA	0.54	0.51	0.47	0.44	0.48
Bicol Region					
Western Visayas	1.65	1.86	1.87	0.27	0.93
Central Visayas	0.79	1.02	0.98	0.05	0.06
Eastern Visayas	0.23	0.26	0.25	0.28	0.25
Zamboanga Peninsula	0.38	0.53	0.78	0.59	0.51
Northern Mindanao	1.06	1.37	1.52	1.40	1.44
Davao Region	3.29	3.79	4.87	4.42	5.88
SOCCSKSARGEN	1.23	1.64	1.89	2.02	2.05
Caraga	0.66	0.80	0.76	0.79	1.27
ARMM	8.04	4.90	11.92	0.22	6.87

Table 3.3a DURIAN: NUMBER OF BEARING TREES, BEARING TREES PER HECTARE AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
BEARING TREES (no.)					
PHILIPPINES	**638,854**	**649,853**	**774,772**	**724,450**	**1,198,341**
CAR					
Ilocos Region					
Cagayan Valley					
Central Luzon				120	180
CALABARZON	1,800	1,850	2,035	2,038	2,041
MIMAROPA	1,121	1,204	1,474	1,609	1,698
Bicol Region					
Western Visayas	4,802	5,062	5,062	5,112	5,112
Central Visayas	618	690	690	690	698
Eastern Visayas	216	273	280	483	522
Zamboanga Peninsula	16,075	17,205	21,379	22,379	22,800
Northern Mindanao	56,173	60,929	62,324	62,931	64,935
Davao Region	380,439	383,256	492,121	431,791	870,742
SOCCSKSARGEN	74,260	75,719	85,400	93,510	97,340
Caraga	41,840	41,840	41,805	41,495	69,986
ARMM	61,510	61,825	62,202	62,292	62,287
BEARING TREES PER HECTARE					
PHILIPPINES	**35**	**35**	**41**	**38**	**444**
CAR					
Ilocos Region					
Cagayan Valley					
Central Luzon				60	45
CALABARZON	53	54	60	60	56
MIMAROPA	48	48	49	49	51
Bicol Region					
Western Visayas	27	28	28	28	28
Central Visayas	77	42	39	37	37
Eastern Visayas	7	8	8	13	12
Zamboanga Peninsula	18	17	21	21	21
Northern Mindanao	41	43	44	44	46
Davao Region	34	34	43	38	75
SOCCSKSARGEN	41	42	47	51	50
Caraga	25	25	25	25	39
ARMM	54	53	54	53	47
YIELD PER BEARING TREE (kg)					
PHILIPPINES	**80.46**	**85.75**	**100.09**	**81.40**	**71.73**
CAR					
Ilocos Region					
Cagayan Valley					
Central Luzon					7.50
CALABARZON	40.80	43.68	38.73	23.00	24.17
MIMAROPA	11.24	10.54	9.62	9.02	9.26
Bicol Region					
Western Visayas	62.27	66.35	66.78	9.59	32.97
Central Visayas	10.19	24.49	24.82	1.46	1.51
Eastern Visayas	34.35	32.78	30.50	22.05	20.94
Zamboanga Peninsula	21.63	31.21	37.94	28.16	23.75
Northern Mindanao	25.59	31.72	34.51	31.48	31.68
Davao Region	96.70	111.72	112.99	117.77	77.86
SOCCSKSARGEN	30.04	39.42	40.46	39.97	40.58
Caraga	26.42	32.04	30.66	32.33	32.66
ARMM	147.81	91.55	221.62	4.15	145.03

Table 3.4 LANZONES: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**7,407**	**15,341**	**49,500**	**4,256**	**14,190**
CAR	17	15	17	12	16
Ilocos Region	1	1	1	1	2
Cagayan Valley	106	111	85	60	53
Central Luzon	14	12	12	9	11
CALABARZON	1,282	715	1,007	638	1,600
MIMAROPA	155	151	157	150	151
Bicol Region	9	9	8	8	8
Western Visayas	503	484	547	356	474
Central Visayas	40	128	162	35	59
Eastern Visayas	727	651	720	151	152
Zamboanga Peninsula	109	184	11,652	35	47
Northern Mindanao	1,236	4,448	4,779	1,072	5,398
Davao Region	2,502	1,985	3,952	1,283	1,087
SOCCSKSARGEN	252	333	931	215	353
Caraga	111	108	194	60	56
ARMM	344	6,005	25,278	171	4,724
Area (ha)					
PHILIPPINES	**20,331**	**20,430**	**20,505**	**20,586**	**20,663**
CAR	25	25	26	26	28
Ilocos Region	8	8	8	10	10
Cagayan Valley	27	27	27	26	28
Central Luzon	7	6	6	8	9
CALABARZON	4,319	4,321	4,321	4,321	4,423
MIMAROPA	323	323	325	329	329
Bicol Region	34	34	34	35	35
Western Visayas	511	484	486	486	487
Central Visayas	90	97	98	103	106
Eastern Visayas	186	188	187	187	192
Zamboanga Peninsula	1,804	1,884	1,936	1,960	1,965
Northern Mindanao	3,319	3,344	3,345	3,335	3,341
Davao Region	2,112	2,118	2,123	2,143	2,144
SOCCSKSARGEN	1,310	1,312	1,318	1,347	1,298
Caraga	829	832	832	828	823
ARMM	5,427	5,427	5,433	5,443	5,446
Yield Per Hectare (mt)					
PHILIPPINES	**0.36**	**0.75**	**2.41**	**0.21**	**0.69**
CAR	0.70	0.62	0.64	0.47	0.56
Ilocos Region	0.11	0.13	0.16	0.14	0.15
Cagayan Valley	3.92	4.11	3.14	2.29	1.91
Central Luzon	2.05	1.92	1.99	1.19	1.26
CALABARZON	0.30	0.17	0.23	0.15	0.36
MIMAROPA	0.48	0.47	0.48	0.45	0.46
Bicol Region	0.26	0.26	0.24	0.23	0.23
Western Visayas	0.98	1.00	1.13	0.73	0.97
Central Visayas	0.45	1.32	1.65	0.34	0.55
Eastern Visayas	3.91	3.46	3.85	0.81	0.79
Zamboanga Peninsula	0.06	0.10	6.02	0.02	0.02
Northern Mindanao	0.37	1.33	1.43	0.32	1.62
Davao Region	1.18	0.94	1.86	0.60	0.51
SOCCSKSARGEN	0.19	0.25	0.71	0.16	0.27
Caraga	0.13	0.13	0.23	0.07	0.07
ARMM	0.06	1.11	4.65	0.03	0.87

Table 3.4a LANZONES: NUMBER OF BEARING TREES, BEARING TREES PER HECTARE AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
BEARING TREES (no.)					
PHILIPPINES	**2,012,620**	**2,042,666**	**2,131,196**	**2,135,939**	**2,152,193**
CAR	1,830	1,853	2,055	2,065	2,260
Ilocos Region	149	149	183	190	190
Cagayan Valley	2,790	2,790	2,490	2,490	2,550
Central Luzon	2,012	1,862	1,912	1,930	2,035
CALABARZON	470,001	470,001	492,226	493,640	501,240
MIMAROPA	10,732	10,782	10,832	11,570	12,494
Bicol Region	4,311	4,315	4,319	4,452	4,462
Western Visayas	41,331	41,127	41,302	41,307	41,377
Central Visayas	17,660	18,513	20,399	23,127	21,515
Eastern Visayas	12,914	13,379	13,379	13,597	13,634
Zamboanga Peninsula	80,793	82,110	142,605	142,785	143,100
Northern Mindanao	279,875	303,945	303,835	303,540	305,620
Davao Region	299,572	299,774	299,868	299,715	299,882
SOCCSKSARGEN	74,695	77,350	79,750	79,770	81,859
Caraga	22,125	22,095	22,520	22,240	26,600
ARMM	691,830	692,621	693,521	693,521	693,375
BEARING TREES PER HECTARE					
PHILIPPINES	**99**	**100**	**104**	**104**	**104**
CAR	73	74	79	79	81
Ilocos Region	19	19	23	19	19
Cagayan Valley	103	103	92	96	93
Central Luzon	287	310	319	257	226
CALABARZON	109	109	114	114	113
MIMAROPA	33	33	33	35	38
Bicol Region	127	127	127	127	127
Western Visayas	81	85	85	85	85
Central Visayas	196	191	208	225	203
Eastern Visayas	69	71	72	73	71
Zamboanga Peninsula	45	44	74	73	73
Northern Mindanao	84	91	91	91	91
Davao Region	142	142	141	140	140
SOCCSKSARGEN	57	59	61	59	63
Caraga	27	27	27	27	32
ARMM	127	128	128	127	127
YIELD PER BEARING TREE (kg)					
PHILIPPINES	**3.68**	**7.51**	**23.23**	**1.99**	**6.59**
CAR	9.50	8.33	8.08	5.86	6.88
Ilocos Region	5.82	6.69	6.89	7.42	7.97
Cagayan Valley	37.97	39.75	34.04	23.93	20.64
Central Luzon	7.13	6.18	6.26	4.64	5.57
CALABARZON	2.73	1.52	2.05	1.29	3.19
MIMAROPA	14.49	14.03	14.45	12.93	12.12
Bicol Region	2.04	2.07	1.88	1.79	1.82
Western Visayas	12.16	11.77	13.24	8.63	11.46
Central Visayas	2.28	6.93	7.94	1.51	2.73
Eastern Visayas	56.27	48.69	53.78	11.12	11.13
Zamboanga Peninsula	1.34	2.24	81.71	0.25	0.33
Northern Mindanao	4.42	14.63	15.73	3.53	17.66
Davao Region	8.35	6.62	13.18	4.28	3.62
SOCCSKSARGEN	3.37	4.31	11.67	2.69	4.31
Caraga	5.00	4.89	8.61	2.72	2.11
ARMM	0.50	8.67	36.45	0.25	6.81

Table 3.5 MANDARIN: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**22,743**	**20,376**	**18,783**	**17,697**	**16,738**
CAR	885	878	796	797	808
Ilocos Region	11	11	11	11	12
Cagayan Valley	9,821	9,425	8,155	7,634	7,315
Central Luzon	1,294	1,203	1,164	1,008	903
CALABARZON	5,022	4,988	4,904	4,746	4,656
MIMAROPA	411	407	430	431	418
Bicol Region	790	817	824	831	844
Western Visayas	63	64	59	50	49
Central Visayas	126	123	87	79	61
Eastern Visayas	30	31	30	29	29
Zamboanga Peninsula	3	3	14	6	6
Northern Mindanao	146	147	153	116	75
Davao Region	2,310	2,138	1,827	1,682	1,495
SOCCSKSARGEN	62	64	66	56	50
Caraga	51	42	37	17	12
ARMM	1,716	36	226	205	5
Area (ha)					
PHILIPPINES	**9,583**	**9,444**	**9,289**	**9,107**	**9,109**
CAR	178	178	177	177	185
Ilocos Region	21	20	20	20	21
Cagayan Valley	1,479	1,486	1,483	1,473	1,471
Central Luzon	408	403	401	396	392
CALABARZON	2,150	2,150	2,150	2,148	2,168
MIMAROPA	699	695	692	693	693
Bicol Region	1,753	1,751	1,741	1,720	1,720
Western Visayas	50	47	47	47	46
Central Visayas	46	49	43	43	33
Eastern Visayas	39	40	39	40	40
Zamboanga Peninsula	15	15	15	10	10
Northern Mindanao	35	35	35	28	28
Davao Region	719	685	656	627	623
SOCCSKSARGEN	20	20	19	19	18
Caraga	30	29	50	46	44
ARMM	1,941	1,841	1,721	1,620	1,618
Yield Per Hectare (mt)					
PHILIPPINES	**2.37**	**2.16**	**2.02**	**1.94**	**1.84**
CAR	4.97	4.93	4.50	4.50	4.37
Ilocos Region	0.55	0.56	0.56	0.57	0.55
Cagayan Valley	6.64	6.34	5.50	5.18	4.97
Central Luzon	3.17	2.99	2.90	2.55	2.31
CALABARZON	2.34	2.32	2.28	2.21	2.15
MIMAROPA	0.59	0.59	0.62	0.62	0.60
Bicol Region	0.45	0.47	0.47	0.48	0.49
Western Visayas	1.26	1.35	1.25	1.07	1.07
Central Visayas	2.75	2.51	2.02	1.84	1.86
Eastern Visayas	0.77	0.76	0.78	0.73	0.74
Zamboanga Peninsula	0.17	0.18	0.92	0.59	0.65
Northern Mindanao	4.18	4.19	4.36	4.13	2.69
Davao Region	3.21	3.12	2.79	2.68	2.40
SOCCSKSARGEN	3.12	3.19	3.49	3.00	2.78
Caraga	1.71	1.46	0.73	0.36	0.27
ARMM	0.88	0.02	0.13	0.13	0.00

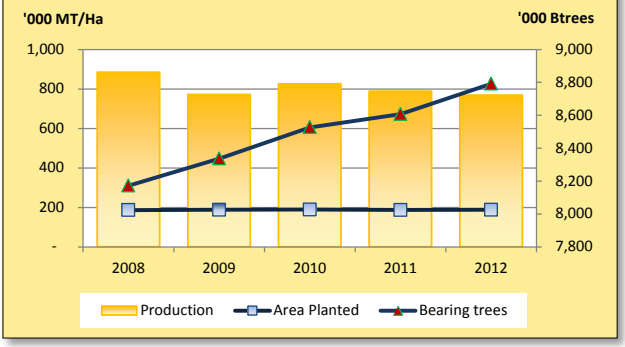
Table 3.5a MANDARIN: NUMBER OF BEARING TREES, BEARING TREES PER HECTARE AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
BEARING TREES (no.)					
PHILIPPINES	**1,160,260**	**1,155,686**	**1,161,392**	**1,141,417**	**1,127,597**
CAR	17,610	17,695	17,595	17,450	19,895
Ilocos Region	3,608	3,608	3,608	3,608	3,583
Cagayan Valley	286,720	287,583	287,712	281,702	278,997
Central Luzon	88,830	86,330	85,730	84,750	81,455
CALABARZON	171,200	171,400	172,105	174,755	177,055
MIMAROPA	58,147	57,950	57,570	57,620	57,620
Bicol Region	164,361	164,372	181,786	178,578	178,476
Western Visayas	5,026	4,797	4,776	4,786	4,734
Central Visayas	5,600	5,605	4,838	5,258	4,215
Eastern Visayas	1,894	1,911	1,721	1,753	1,760
Zamboanga Peninsula	1,680	1,900	1,960	1,310	1,310
Northern Mindanao	4,335	4,355	4,365	3,970	3,970
Davao Region	153,079	150,084	140,671	135,237	134,376
SOCCSKSARGEN	2,062	2,092	2,105	1,935	1,815
Caraga	4,155	4,095	6,565	5,865	4,996
ARMM	191,953	191,909	188,285	182,840	173,340
BEARING TREES PER HECTARE					
PHILIPPINES	**121**	**122**	**125**	**125**	**124**
CAR	99	99	99	99	108
Ilocos Region	176	180	180	180	167
Cagayan Valley	194	194	194	191	190
Central Luzon	218	214	214	214	208
CALABARZON	80	80	80	81	82
MIMAROPA	83	83	83	83	83
Bicol Region	94	94	104	104	104
Western Visayas	101	102	102	102	103
Central Visayas	122	114	113	122	128
Eastern Visayas	49	48	44	44	44
Zamboanga Peninsula	112	127	131	131	131
Northern Mindanao	124	124	125	142	142
Davao Region	213	219	214	216	216
SOCCSKSARGEN	103	105	111	103	101
Caraga	139	141	131	128	114
ARMM	99	104	109	113	107
YIELD PER BEARING TREE (kg)					
PHILIPPINES	**19.60**	**17.63**	**16.17**	**15.50**	**14.84**
CAR	50.25	49.62	45.26	45.66	40.60
Ilocos Region	3.12	3.13	3.12	3.17	3.29
Cagayan Valley	34.25	32.77	28.34	27.10	26.22
Central Luzon	14.56	13.94	13.57	11.89	11.09
CALABARZON	29.33	29.10	28.49	27.16	26.30
MIMAROPA	7.07	7.02	7.48	7.48	7.25
Bicol Region	4.81	4.97	4.53	4.65	4.73
Western Visayas	12.51	13.27	12.31	10.46	10.43
Central Visayas	22.58	21.92	17.99	15.05	14.57
Eastern Visayas	15.91	15.97	17.71	16.73	16.66
Zamboanga Peninsula	1.52	1.41	7.01	4.47	4.95
Northern Mindanao	33.73	33.69	34.98	29.10	18.94
Davao Region	15.09	14.24	12.99	12.44	11.12
SOCCSKSARGEN	30.28	30.49	31.53	29.06	27.55
Caraga	12.36	10.37	5.58	2.82	2.36
ARMM	8.94	0.19	1.20	1.12	0.03

MANGO

Mango production from 2008-2012 showed a declining trend except in 2010 or an annual average drop of 3.45 percent. The reported production in 2012 (768.23 thousand mt) was 2.52 percent lower from the previous year's output of 788.07 thousand mt. Area planted in the past five years expanded by an average annual rate of 0.25 percent or from 186,770 hectares in 2008 to 188,617 hectares in 2012 (Table 3.6).

Figure 6. Mango: Volume of production, area planted and bearing trees, Philippines, 2008-2012



Ilocos Region produced 265.63 thousand mt in 2012 which accounted for 34 percent of the national mango production (Figure 2) although the region suffered a 4.16 percent reduction in production over previous year's output level of 276.66 thousand mt. This was attributed to less fruits developed due to the early rainshowers during the flowering stage of the crop in the first half of the 2012 and the effect of "Habagat" during the second half of the year. Central Luzon has the largest area planted to mango which expanded from 33,678 hectares in 2011 to 34,297 hectares in 2012 accounting for 18 percent of the total area planted to mango across the archipelago.

Carabao variety. During 2008-2012, carabao mango production dropped at an average of 3.01 percent annually. The 2012 production of 630.53 thousand mt was below the 2011 production of 638.95 thousand mt or by 1.3 percent (Table 3.6.1). Area planted to carabao mango in the same period grew by an average of 0.44 percent annually.

Ilocos Region remained the top carabao mango producing region in 2012. It accounted for 36 percent of the national total production. Other carabao mango producers were Central Visayas and Zamboanga Peninsula which shared 10 percent each of the country's production in 2012. Central Luzon remained the region with the largest area planted to carabao mango in 2012.

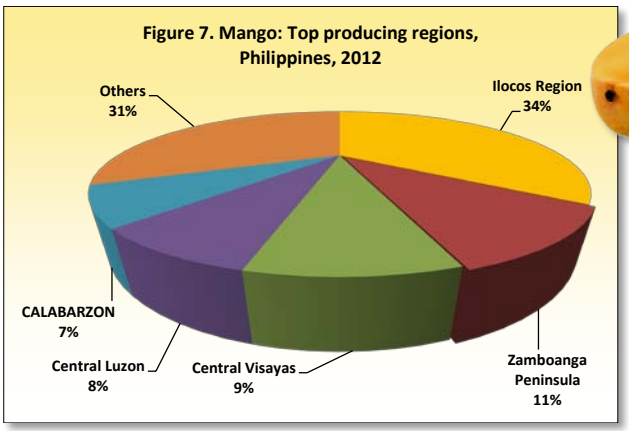


Table 3.6 MANGO: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2007-2011

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**884,011**	**771,441**	**825,676**	**788,074**	**768,234**
CAR	3,705	3,738	3,721	3,709	3,318
Ilocos Region	382,569	293,993	290,975	276,661	265,163
Cagayan Valley	66,209	37,910	58,781	46,439	34,745
Central Luzon	68,314	58,453	64,401	64,053	59,828
CALABARZON	40,887	42,385	44,914	58,628	55,215
MIMAROPA	8,022	8,333	9,551	9,582	9,805
Bicol Region	1,438	1,410	1,516	1,398	1,474
Western Visayas	46,421	44,487	50,447	45,344	45,868
Central Visayas	65,818	65,293	71,021	65,001	67,655
Eastern Visayas	828	904	902	885	883
Zamboanga Peninsula	53,113	57,809	74,025	78,411	80,866
Northern Mindanao	33,251	35,869	37,593	35,521	38,169
Davao Region	36,595	37,048	33,908	29,730	31,803
SOCCSKSARGEN	47,516	53,655	56,264	52,330	53,405
Caraga	17,230	15,404	15,520	12,156	12,607
ARMM	12,094	14,752	12,138	8,226	7,431
Area (ha)					
PHILIPPINES	**186,770**	**188,139**	**189,437**	**187,073**	**188,617**
CAR	790	792	792	794	766
Ilocos Region	22,099	20,824	21,204	21,341	21,585
Cagayan Valley	10,100	10,087	10,496	10,002	9,944
Central Luzon	33,320	33,563	33,714	33,678	34,297
CALABARZON	14,832	14,742	14,773	14,777	14,557
MIMAROPA	3,895	3,854	3,871	3,852	3,834
Bicol Region	2,056	2,787	2,872	2,870	2,870
Western Visayas	11,324	11,355	11,392	10,327	10,343
Central Visayas	12,489	12,561	12,562	12,568	12,582
Eastern Visayas	848	875	883	884	910
Zamboanga Peninsula	16,521	16,648	16,679	16,800	16,914
Northern Mindanao	8,657	9,598	9,597	8,751	8,742
Davao Region	18,137	17,973	17,982	17,761	18,043
SOCCSKSARGEN	16,747	16,736	16,727	16,898	16,815
Caraga	3,382	3,382	3,383	3,257	3,454
ARMM	11,573	12,362	12,510	12,513	12,962
Yield Per Hectare (mt)					
PHILIPPINES	**4.73**	**4.10**	**4.36**	**4.21**	**4.07**
CAR	4.69	4.72	4.70	4.67	4.33
Ilocos Region	17.31	14.12	13.72	12.96	12.28
Cagayan Valley	6.56	3.76	5.60	4.64	3.49
Central Luzon	2.05	1.74	1.91	1.90	1.74
CALABARZON	2.76	2.88	3.04	3.97	3.79
MIMAROPA	2.06	2.16	2.47	2.49	2.56
Bicol Region	0.70	0.51	0.53	0.49	0.51
Western Visayas	4.10	3.92	4.43	4.39	4.43
Central Visayas	5.27	5.20	5.65	5.17	5.38
Eastern Visayas	0.98	1.03	1.02	1.00	0.97
Zamboanga Peninsula	3.21	3.47	4.44	4.67	4.78
Northern Mindanao	3.84	3.74	3.92	4.06	4.37
Davao Region	2.02	2.06	1.89	1.67	1.76
SOCCSKSARGEN	2.84	3.21	3.36	3.10	3.18
Caraga	5.09	4.55	4.59	3.73	3.65
ARMM	1.04	1.19	0.97	0.66	0.57

Table 3.6a MANGO: NUMBER OF BEARING TREES, BEARING TREES PER HECTARE AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
BEARING TREES (no.)					
PHILIPPINES	**8,171,854**	**8,335,951**	**8,526,816**	**8,606,709**	**8,791,065**
CAR	33,999	34,411	34,530	35,351	34,186
Ilocos Region	836,441	785,163	786,388	784,621	785,745
Cagayan Valley	897,458	895,583	895,722	961,794	956,690
Central Luzon	1,498,353	1,521,989	1,641,018	1,679,048	1,828,166
CALABARZON	813,274	889,745	889,503	890,733	865,603
MIMAROPA	201,939	200,981	213,084	212,306	212,147
Bicol Region	61,375	63,479	64,176	64,042	64,313
Western Visayas	505,053	501,837	502,513	478,669	478,112
Central Visayas	564,818	571,174	570,854	572,501	574,825
Eastern Visayas	20,661	21,444	21,599	22,512	22,899
Zamboanga Peninsula	890,197	901,836	912,521	915,190	919,289
Northern Mindanao	417,838	419,788	424,839	425,655	436,751
Davao Region	331,054	331,069	329,929	314,637	311,318
SOCCSKSARGEN	783,589	872,132	908,620	920,845	938,744
Caraga	100,430	100,320	100,330	97,640	131,111
ARMM	215,376	225,001	231,191	231,166	231,166
BEARING TREES PER HECTARE					
PHILIPPINES	**44**	**44**	**45**	**46**	**47**
CAR	43	43	44	45	45
Ilocos Region	38	38	37	37	36
Cagayan Valley	89	89	85	96	96
Central Luzon	45	45	49	50	53
CALABARZON	55	60	60	60	59
MIMAROPA	52	52	55	55	55
Bicol Region	30	23	22	22	22
Western Visayas	45	44	44	46	46
Central Visayas	45	45	45	46	46
Eastern Visayas	24	25	24	25	25
Zamboanga Peninsula	54	54	55	54	54
Northern Mindanao	48	44	44	49	50
Davao Region	18	18	18	18	17
SOCCSKSARGEN	47	52	54	54	56
Caraga	30	30	30	30	38
ARMM	19	18	18	18	18
YIELD PER BEARING TREE (kg)					
PHILIPPINES	**108.18**	**92.54**	**96.83**	**91.57**	**87.39**
CAR	108.97	108.62	107.77	104.92	97.05
Ilocos Region	457.38	374.44	370.01	352.60	337.47
Cagayan Valley	73.77	42.33	65.62	48.28	36.32
Central Luzon	45.59	38.41	39.24	38.15	32.73
CALABARZON	50.27	47.64	50.49	65.82	63.79
MIMAROPA	39.72	41.46	44.82	45.13	46.22
Bicol Region	23.43	22.20	23.62	21.84	22.92
Western Visayas	91.91	88.65	100.39	94.73	95.94
Central Visayas	116.53	114.31	124.41	113.54	117.70
Eastern Visayas	40.09	42.17	41.78	39.30	38.55
Zamboanga Peninsula	59.66	64.10	81.12	85.68	87.97
Northern Mindanao	79.58	85.45	88.49	83.45	87.39
Davao Region	110.54	111.90	102.77	94.49	102.16
SOCCSKSARGEN	60.64	61.52	61.92	56.83	56.89
Caraga	171.57	153.54	154.69	124.50	96.15
ARMM	56.15	65.56	52.50	35.59	32.15

Table 3.6.1 CARABAO MANGO: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**712,409**	**621,279**	**669,520**	**638,954**	**630,530**
CAR	3,605	3,635	3,616	3,595	3,204
Ilocos Region	331,628	254,565	252,694	238,222	226,938
Cagayan Valley	46,719	28,592	42,591	32,501	26,396
Central Luzon	52,582	44,538	49,576	49,781	46,763
CALABARZON	22,677	24,657	26,758	39,108	37,207
MIMAROPA	4,884	5,121	6,025	6,103	6,286
Bicol Region	252	260	285	238	261
Western Visayas	43,095	41,085	46,937	41,551	42,021
Central Visayas	59,631	59,657	65,276	59,895	62,246
Eastern Visayas	403	457	460	449	448
Zamboanga Peninsula	36,761	40,633	55,912	60,610	62,956
Northern Mindanao	30,301	32,975	34,613	32,662	35,274
Davao Region	29,812	30,224	27,201	23,953	26,460
SOCCSKSARGEN	36,500	42,229	44,413	41,048	42,317
Caraga	11,804	10,309	10,940	9,040	9,485
ARMM	1,753	2,342	2,221	199	2,271
Area (ha)					
PHILIPPINES	**144,293**	**145,926**	**147,026**	**145,518**	**146,841**
CAR	697	699	699	699	669
Ilocos Region	17,087	16,114	16,500	16,758	17,008
Cagayan Valley	6,450	6,463	6,872	6,793	6,763
Central Luzon	24,446	24,712	24,864	24,863	25,172
CALABARZON	10,478	10,478	10,506	10,507	10,507
MIMAROPA	2,013	2,019	2,030	2,025	2,024
Bicol Region	545	1,075	1,112	1,112	1,112
Western Visayas	10,195	10,243	10,265	9,180	9,186
Central Visayas	10,391	10,456	10,458	10,463	10,474
Eastern Visayas	559	585	590	591	613
Zamboanga Peninsula	13,006	13,091	13,124	13,303	13,445
Northern Mindanao	7,332	8,274	8,274	7,428	7,428
Davao Region	15,795	15,627	15,636	15,546	15,749
SOCCSKSARGEN	15,057	15,059	15,055	15,218	15,161
Caraga	2,352	2,352	2,353	2,341	2,399
ARMM	7,890	8,680	8,688	8,691	9,132
Yield Per Hectare (mt)					
PHILIPPINES	**4.94**	**4.26**	**4.55**	**4.39**	**4.29**
CAR	5.17	5.20	5.17	5.14	4.79
Ilocos Region	19.41	15.80	15.31	14.22	13.34
Cagayan Valley	7.24	4.42	6.20	4.78	3.90
Central Luzon	2.15	1.80	1.99	2.00	1.86
CALABARZON	2.16	2.35	2.55	3.72	3.54
MIMAROPA	2.43	2.54	2.97	3.01	3.11
Bicol Region	0.46	0.24	0.26	0.21	0.23
Western Visayas	4.23	4.01	4.57	4.53	4.57
Central Visayas	5.74	5.71	6.24	5.72	5.94
Eastern Visayas	0.72	0.78	0.78	0.76	0.73
Zamboanga Peninsula	2.83	3.10	4.26	4.56	4.68
Northern Mindanao	4.13	3.99	4.18	4.40	4.75
Davao Region	1.89	1.93	1.74	1.54	1.68
SOCCSKSARGEN	2.42	2.80	2.95	2.70	2.79
Caraga	5.02	4.38	4.65	3.86	3.95
ARMM	0.22	0.27	0.26	0.02	0.25

Table 3.6.1a CARABAO MANGO: NUMBER OF BEARING TREES, BEARING TREES PER HECTARE AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
BEARING TREES (no.)					
PHILIPPINES	**5,880,136**	**6,029,318**	**6,228,015**	**6,333,898**	**6,528,308**
CAR	29,844	30,153	30,291	30,116	28,856
Ilocos Region	581,486	540,823	541,887	543,765	544,978
Cagayan Valley	510,376	508,793	508,914	584,015	581,111
Central Luzon	1,016,797	1,029,051	1,145,970	1,187,828	1,334,224
CALABARZON	567,313	645,484	659,473	660,323	660,623
MIMAROPA	93,241	94,867	104,583	104,526	104,952
Bicol Region	7,276	9,291	9,874	9,910	10,037
Western Visayas	453,937	453,562	453,842	428,162	429,429
Central Visayas	469,900	475,755	475,755	477,402	477,808
Eastern Visayas	9,293	10,188	10,488	11,336	11,679
Zamboanga Peninsula	704,840	709,400	720,410	724,450	732,310
Northern Mindanao	360,637	362,527	366,545	368,361	378,151
Davao Region	244,480	242,754	241,279	232,026	232,360
SOCCSKSARGEN	645,701	731,640	767,374	779,938	797,509
Caraga	58,370	58,360	58,370	58,755	71,276
ARMM	126,645	126,670	132,960	132,985	133,005
BEARING TREES PER HECTARE					
PHILIPPINES	**41**	**41**	**42**	**44**	**44**
CAR	43	43	43	43	43
Ilocos Region	34	34	33	32	32
Cagayan Valley	79	79	74	86	86
Central Luzon	42	42	46	48	53
CALABARZON	54	62	63	63	63
MIMAROPA	46	47	52	52	52
Bicol Region	13	9	9	9	9
Western Visayas	45	44	44	47	47
Central Visayas	45	46	45	46	46
Eastern Visayas	17	17	18	19	19
Zamboanga Peninsula	54	54	55	54	54
Northern Mindanao	49	44	44	50	51
Davao Region	15	16	15	15	15
SOCCSKSARGEN	43	49	51	51	53
Caraga	25	25	25	25	30
ARMM	16	15	15	15	15
YIELD PER BEARING TREE (kg)					
PHILIPPINES	**121.16**	**103.04**	**107.50**	**100.88**	**96.58**
CAR	120.79	120.55	119.36	119.37	111.05
Ilocos Region	570.31	470.70	466.32	438.10	416.42
Cagayan Valley	91.54	56.20	83.69	55.65	45.42
Central Luzon	51.71	43.28	43.26	41.91	35.05
CALABARZON	39.97	38.20	40.58	59.23	56.32
MIMAROPA	52.38	53.98	57.61	58.39	59.89
Bicol Region	34.60	27.97	28.89	23.97	25.98
Western Visayas	94.94	90.58	103.42	97.05	97.85
Central Visayas	126.90	125.40	137.21	125.46	130.27
Eastern Visayas	43.41	44.85	43.88	39.60	38.33
Zamboanga Peninsula	52.16	57.28	77.61	83.66	85.97
Northern Mindanao	84.02	90.96	94.43	88.67	93.28
Davao Region	121.94	124.50	112.74	103.23	113.87
SOCCSKSARGEN	56.53	57.72	57.88	52.63	53.06
Caraga	202.23	176.64	187.42	153.86	133.08
ARMM	13.84	18.49	16.71	1.50	17.08

Table 3.7 MANGOSTEEN: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**866**	**1,567**	**5,553**	**683**	**3,209**
CAR					
Ilocos Region					
Cagayan Valley					
Central Luzon					
CALABARZON	58	52	56	48	43
MIMAROPA	1	1	1	1	1
Bicol Region					
Western Visayas	248	220	235	22	31
Central Visayas	6	9	12	8	10
Eastern Visayas					-
Zamboanga Peninsula	28	154	954	24	288
Northern Mindanao	119	134	184	69	66
Davao Region	369	406	701	480	364
SOCCSKSARGEN	4	21	835	12	374
Caraga	12	12	16	5	38
ARMM	21	558	2,558	15	1,996
Area (ha)					
PHILIPPINES	**2,214**	**2,263**	**2,287**	**2,313**	**2,409**
CAR					
Ilocos Region		1	1	1	1
Cagayan Valley		5	5	5	5
Central Luzon					
CALABARZON	9	10	10	10	10
MIMAROPA	6	5	5	5	5
Bicol Region					
Western Visayas	171	171	171	171	171
Central Visayas	20	22	22	25	22
Eastern Visayas					
Zamboanga Peninsula	397	417	443	443	452
Northern Mindanao	52	54	58	58	58
Davao Region	344	356	352	363	367
SOCCSKSARGEN	230	233	261	263	273
Caraga	29	33	33	43	109
ARMM	956	956	926	926	936
Yield Per Hectare (mt)					
PHILIPPINES	**0.39**	**0.69**	**2.43**	**0.30**	**1.33**
CAR					
Ilocos Region					
Cagayan Valley					
Central Luzon					
CALABARZON	6.43	5.24	5.59	4.80	4.28
MIMAROPA	0.18	0.24	0.24	0.23	0.22
Bicol Region					
Western Visayas	1.45	1.28	1.37	0.13	0.18
Central Visayas	0.29	0.39	0.53	0.33	0.44
Eastern Visayas					
Zamboanga Peninsula	0.07	0.37	2.15	0.05	0.64
Northern Mindanao	2.32	2.47	3.16	1.18	1.13
Davao Region	1.07	1.14	1.99	1.32	0.99
SOCCSKSARGEN	0.02	0.09	3.20	0.05	1.37
Caraga	0.41	0.36	0.48	0.11	0.35
ARMM	0.02	0.58	2.76	0.02	2.13

Table 3.7a MANGOSTEEN: NUMBER OF BEARING TREES, BEARING TREES PER HECTARE AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
BEARING TREES (no.)					
PHILIPPINES	**206,884**	**209,254**	**209,740**	**210,895**	**214,179**
CAR					
Ilocos Region					
Cagayan Valley					
Central Luzon					
CALABARZON	1,440	1,443	1,443	1,445	1,460
MIMAROPA	504	509	521	528	538
Bicol Region					
Western Visayas	13,725	13,725	13,725	13,725	13,725
Central Visayas	2,920	2,942	3,000	3,000	3,000
Eastern Visayas					
Zamboanga Peninsula	11,122	11,595	11,698	12,338	12,372
Northern Mindanao	3,657	3,696	3,770	3,768	3,848
Davao Region	17,682	18,232	18,391	18,668	18,820
SOCCSKSARGEN	17,812	18,880	19,155	19,166	19,330
Caraga	2,252	2,252	2,272	2,272	5,172
ARMM	135,770	135,980	135,765	135,985	135,914
BEARING TREES PER HECTARE					
PHILIPPINES	**93**	**92**	**92**	**91**	**89**
CAR					
Ilocos Region					
Cagayan Valley					
Central Luzon					
CALABARZON	160	144	144	145	146
MIMAROPA	81	113	104	106	105
Bicol Region					
Western Visayas	80	80	80	80	80
Central Visayas	146	134	136	120	136
Eastern Visayas					
Zamboanga Peninsula	28	28	26	28	27
Northern Mindanao	71	68	65	65	66
Davao Region	51	51	52	51	51
SOCCSKSARGEN	77	81	73	73	71
Caraga	79	69	69	53	48
ARMM	142	142	147	147	145
YIELD PER BEARING TREE (kg)					
PHILIPPINES	**4.18**	**7.49**	**26.47**	**3.24**	**14.98**
CAR					
Ilocos Region					
Cagayan Valley					
Central Luzon					
CALABARZON	40.17	36.34	38.72	33.22	29.32
MIMAROPA	2.20	2.10	2.26	2.16	2.14
Bicol Region					
Western Visayas	18.07	16.03	17.14	1.57	2.25
Central Visayas	2.02	2.90	3.88	2.77	3.20
Eastern Visayas					
Zamboanga Peninsula	2.54	13.25	81.59	1.96	23.25
Northern Mindanao	32.64	36.27	48.80	18.22	17.08
Davao Region	20.84	22.25	38.10	25.69	19.33
SOCCSKSARGEN	0.20	1.13	43.61	0.62	19.36
Caraga	5.17	5.25	6.92	2.10	7.30
ARMM	0.15	4.11	18.84	0.11	14.68

Table 3.8 ORANGE: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**4,870**	**4,663**	**4,337**	**3,984**	**3,817**
CAR	1,013	991	933	893	862
Ilocos Region	50	41	35	30	26
Cagayan Valley	960	940	824	722	672
Central Luzon	79	47	39	31	24
CALABARZON	38	75	65	56	46
MIMAROPA	11	10	9	7	7
Bicol Region	989	948	915	903	912
Western Visayas	46	47	47	45	47
Central Visayas	12	11	8	7	7
Eastern Visayas	109	113	111	108	108
Zamboanga Peninsula	60	52	49	48	50
Northern Mindanao	136	136	134	95	103
Davao Region	1,089	1,028	950	871	813
SOCCSKSARGEN	89	92	95	92	96
Caraga	124	105	52	32	29
ARMM	66	28	70	45	15
Area (ha)					
PHILIPPINES	**1,677**	**1,657**	**1,630**	**1,556**	**1,521**
CAR	179	179	178	174	170
Ilocos Region	24	20	17	13	13
Cagayan Valley	354	359	351	349	347
Central Luzon	10	9	6	5	5
CALABARZON	13	12	11	9	3
MIMAROPA	4	3	3	3	3
Bicol Region	484	472	484	474	464
Western Visayas	30	30	30	30	30
Central Visayas	16	16	16	15	15
Eastern Visayas	50	51	51	51	56
Zamboanga Peninsula	39	38	32	21	14
Northern Mindanao	60	60	60	49	47
Davao Region	246	240	232	221	213
SOCCSKSARGEN	20	21	21	23	24
Caraga	72	71	68	52	48
ARMM	77	76	70	68	70
Yield Per Hectare (mt)					
PHILIPPINES	**2.90**	**2.81**	**2.66**	**2.56**	**2.51**
CAR	5.66	5.53	5.24	5.13	5.07
Ilocos Region	2.11	2.04	2.05	2.29	2.03
Cagayan Valley	2.71	2.62	2.35	2.07	1.94
Central Luzon	7.87	5.20	6.57	6.29	4.74
CALABARZON	2.96	6.25	5.92	6.17	15.38
MIMAROPA	3.26	3.17	3.12	2.49	2.49
Bicol Region	2.04	2.01	1.89	1.91	1.97
Western Visayas	1.54	1.58	1.58	1.48	1.56
Central Visayas	0.76	0.69	0.49	0.45	0.46
Eastern Visayas	2.17	2.22	2.18	2.11	1.93
Zamboanga Peninsula	1.53	1.37	1.52	2.28	3.57
Northern Mindanao	2.26	2.26	2.23	1.93	2.20
Davao Region	4.43	4.28	4.10	3.95	3.83
SOCCSKSARGEN	4.43	4.39	4.52	4.04	3.99
Caraga	1.73	1.48	0.76	0.61	0.60
ARMM	0.86	0.36	1.00	0.66	0.21

Table 3.8a ORANGE: NUMBER OF BEARING TREES, BEARING TREES PER HECTARE AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
BEARING TREES (no.)					
PHILIPPINES	**204,306**	**202,059**	**199,128**	**189,096**	**183,997**
CAR	27,831	27,831	26,759	25,864	24,769
Ilocos Region	3,442	2,907	2,505	2,125	2,017
Cagayan Valley	61,585	61,580	61,568	61,203	60,755
Central Luzon	1,800	1,640	1,140	740	690
CALABARZON	910	870	870	830	438
MIMAROPA	760	480	500	400	400
Bicol Region	33,500	33,504	33,504	32,558	32,480
Western Visayas	3,890	3,428	3,463	3,473	3,488
Central Visayas	3,000	3,000	3,000	2,200	2,200
Eastern Visayas	5,425	5,720	5,725	5,758	5,777
Zamboanga Peninsula	4,488	4,346	4,020	2,910	1,930
Northern Mindanao	7,726	7,726	7,734	6,354	6,238
Davao Region	28,930	28,311	28,135	26,688	25,663
SOCCSKSARGEN	2,239	2,286	2,325	2,325	2,372
Caraga	8,700	8,450	8,150	6,308	5,470
ARMM	10,080	9,980	9,730	9,360	9,310
BEARING TREES PER HECTARE					
PHILIPPINES	**122**	**122**	**122**	**122**	**121**
CAR	155	155	150	149	146
Ilocos Region	146	145	147	163	158
Cagayan Valley	174	172	175	176	175
Central Luzon	180	182	190	148	138
CALABARZON	70	73	79	92	146
MIMAROPA	217	160	167	133	133
Bicol Region	69	71	69	69	70
Western Visayas	130	114	115	116	116
Central Visayas	188	188	188	147	147
Eastern Visayas	109	112	112	113	103
Zamboanga Peninsula	115	114	126	139	138
Northern Mindanao	129	129	129	130	133
Davao Region	118	118	121	121	121
SOCCSKSARGEN	112	109	111	102	99
Caraga	121	119	120	121	114
ARMM	131	131	139	138	133
YIELD PER BEARING TREE (kg)					
PHILIPPINES	**23.83**	**23.08**	**21.78**	**21.07**	**20.75**
CAR	36.39	35.59	34.87	34.52	34.79
Ilocos Region	14.41	14.04	13.95	14.02	12.86
Cagayan Valley	15.58	15.27	13.39	11.80	11.07
Central Luzon	43.71	28.56	34.60	42.49	34.33
CALABARZON	42.25	86.23	74.82	66.94	105.37
MIMAROPA	15.00	19.83	18.72	18.68	18.65
Bicol Region	29.52	28.28	27.31	27.74	28.08
Western Visayas	11.87	13.82	13.67	12.81	13.41
Central Visayas	4.08	3.69	2.59	3.09	3.15
Eastern Visayas	20.04	19.81	19.40	18.71	18.68
Zamboanga Peninsula	13.29	11.96	12.12	16.45	25.89
Northern Mindanao	17.56	17.59	17.29	14.92	16.54
Davao Region	37.64	36.30	33.77	32.65	31.69
SOCCSKSARGEN	39.61	40.29	40.83	39.56	40.40
Caraga	14.29	12.41	6.36	5.05	5.30
ARMM	6.54	2.77	7.16	4.77	1.60

Table 3.9 PAPAYA: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**182,907**	**176,656**	**165,981**	**157,907**	**164,821**
CAR	1,667	1,675	1,644	1,587	1,590
Ilocos Region	3,982	3,561	3,293	3,290	3,323
Cagayan Valley	2,996	2,887	2,290	1,739	1,900
Central Luzon	3,977	3,852	3,934	3,987	3,908
CALABARZON	10,356	9,677	8,440	9,128	9,250
MIMAROPA	3,544	3,751	3,757	3,894	4,040
Bicol Region	9,305	9,574	9,703	9,551	9,607
Western Visayas	6,435	6,483	6,188	6,333	6,253
Central Visayas	7,425	7,741	6,857	6,733	6,795
Eastern Visayas	2,957	3,038	3,064	3,034	3,109
Zamboanga Peninsula	5,878	5,793	5,668	5,521	5,505
Northern Mindanao	39,045	36,480	29,152	21,125	26,385
Davao Region	21,408	17,261	14,686	12,117	11,340
SOCCSKSARGEN	58,730	59,945	62,848	65,843	67,865
Caraga	2,102	1,879	1,631	1,169	1,122
ARMM	3,101	3,060	2,827	2,855	2,829
Area (ha)					
PHILIPPINES	**9,175**	**8,904**	**8,751**	**8,647**	**8,564**
CAR	217	217	208	207	209
Ilocos Region	320	316	298	303	308
Cagayan Valley	443	433	423	396	397
Central Luzon	659	671	692	697	692
CALABARZON	711	691	641	664	662
MIMAROPA	351	354	367	375	384
Bicol Region	588	581	587	580	564
Western Visayas	808	725	752	765	752
Central Visayas	390	382	364	348	339
Eastern Visayas	470	477	478	479	474
Zamboanga Peninsula	619	607	614	621	619
Northern Mindanao	1,022	958	899	856	826
Davao Region	759	731	632	580	545
SOCCSKSARGEN	1,365	1,332	1,387	1,379	1,396
Caraga	296	270	255	244	240
ARMM	158	159	154	154	158
Yield Per Hectare (mt)					
PHILIPPINES	**19.93**	**19.84**	**18.97**	**18.26**	**19.25**
CAR	7.67	7.72	7.90	7.67	7.61
Ilocos Region	12.42	11.27	11.05	10.87	10.80
Cagayan Valley	6.76	6.67	5.41	4.39	4.78
Central Luzon	6.04	5.74	5.69	5.72	5.65
CALABARZON	14.57	14.00	13.18	13.75	13.98
MIMAROPA	10.11	10.60	10.23	10.37	10.53
Bicol Region	15.82	16.48	16.52	16.47	17.03
Western Visayas	7.96	8.94	8.23	8.27	8.31
Central Visayas	19.04	20.26	18.84	19.35	20.03
Eastern Visayas	6.30	6.37	6.41	6.33	6.57
Zamboanga Peninsula	9.50	9.54	9.23	8.89	8.89
Northern Mindanao	38.20	38.06	32.42	24.68	31.94
Davao Region	28.22	23.61	23.24	20.89	20.81
SOCCSKSARGEN	43.03	45.00	45.31	47.76	48.61
Caraga	7.10	6.96	6.40	4.79	4.67
ARMM	19.64	19.24	18.41	18.57	17.96

Table 3.9a PAPAYA: NUMBER OF BEARING TREES, BEARING TREES PER HECTARE AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2008-2012

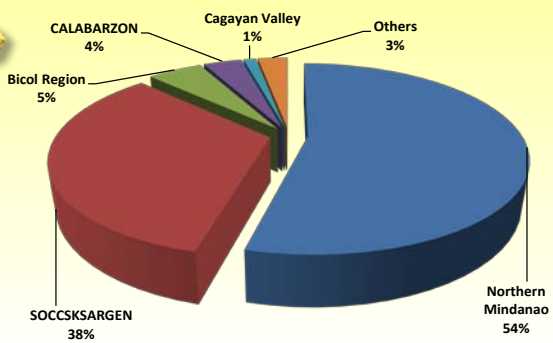
Region	2008	2009	2010	2011	2012
BEARING TREES (no.)					
PHILIPPINES	**5,670,826**	**5,528,962**	**5,549,324**	**5,440,347**	**5,376,367**
CAR	91,289	91,190	89,771	87,531	90,253
Ilocos Region	183,524	171,781	164,528	163,139	164,849
Cagayan Valley	248,076	239,072	226,893	199,656	198,111
Central Luzon	307,238	320,691	328,348	328,964	321,492
CALABARZON	420,584	404,115	370,596	374,944	372,032
MIMAROPA	154,436	156,526	163,248	166,515	170,133
Bicol Region	309,043	312,866	315,151	312,962	311,136
Western Visayas	368,675	337,319	344,575	340,941	338,428
Central Visayas	169,298	166,554	154,011	150,877	142,447
Eastern Visayas	167,043	168,690	172,298	165,389	166,128
Zamboanga Peninsula	303,780	295,728	497,783	486,927	483,701
Northern Mindanao	836,263	783,517	724,842	716,132	711,322
Davao Region	590,163	562,125	429,430	400,508	353,053
SOCCSKSARGEN	1,283,146	1,283,890	1,340,822	1,333,721	1,342,604
Caraga	152,328	143,648	136,228	120,818	119,540
ARMM	85,940	91,250	90,800	91,323	91,138
BEARING TREES PER HECTARE					
PHILIPPINES	**618**	**621**	**634**	**629**	**628**
CAR	420	420	432	423	432
Ilocos Region	573	544	552	539	536
Cagayan Valley	560	552	536	504	499
Central Luzon	466	478	474	472	465
CALABARZON	592	585	579	565	562
MIMAROPA	440	442	444	444	443
Bicol Region	526	538	537	540	552
Western Visayas	456	465	458	445	450
Central Visayas	434	436	423	434	420
Eastern Visayas	356	354	361	345	351
Zamboanga Peninsula	491	487	811	784	781
Northern Mindanao	818	818	806	837	861
Davao Region	778	769	679	691	648
SOCCSKSARGEN	940	964	967	967	962
Caraga	515	532	534	495	498
ARMM	544	574	592	594	579
YIELD PER BEARING TREE (kg)					
PHILIPPINES	**32.25**	**31.95**	**29.91**	**29.03**	**30.66**
CAR	18.26	18.37	18.31	18.13	17.62
Ilocos Region	21.69	20.73	20.01	20.17	20.16
Cagayan Valley	12.08	12.07	10.09	8.71	9.59
Central Luzon	12.95	12.01	11.98	12.12	12.16
CALABARZON	24.62	23.94	22.77	24.35	24.86
MIMAROPA	22.95	23.96	23.02	23.38	23.74
Bicol Region	30.11	30.60	30.79	30.52	30.88
Western Visayas	17.45	19.22	17.96	18.58	18.48
Central Visayas	43.86	46.48	44.52	44.62	47.70
Eastern Visayas	17.70	18.01	17.78	18.34	18.72
Zamboanga Peninsula	19.35	19.59	11.39	11.34	11.38
Northern Mindanao	46.69	46.56	40.22	29.50	37.09
Davao Region	36.27	30.71	34.20	30.25	32.12
SOCCSKSARGEN	45.77	46.69	46.87	49.37	50.55
Caraga	13.80	13.08	11.97	9.67	9.38
ARMM	36.08	33.53	31.13	31.26	31.05

PINEAPPLE

In the past five years, pineapple production exhibited an average annual growth of 2.07 percent. The 2012 production of 2,397.63 thousand mt reflected a leap of 6.71 percent over last year's output level of 2,246.81 thousand mt. Area expanded by an average of 0.08 percent annually in 2008-2012 (Table 3.10).

Figure 8. Pineapple: Volume of production and area planted, Philippines, 2007-2011

Figure 9. Pineapple: Top producing regions, Philippines, 2012



Northern Mindanao remained the top producer in 2012 with 1,294.58 thousand mt and shared 53 percent in the national pineapple production. The region recorded an 11.63 percent increment from the previous year's output of 1,159.70 thousand mt. This was attributed to expansion in area harvested from corporate farms, namely, Del Monte, Lapanday Agricultural and Development Corporation, Mount Kitanlad Agricultural Development Corporation, Davao Ventures Corporation and Dole Philippines. SOCCSKSARGEN ranked second with 800.06 thousand mt or 33 percent of the total pineapple production. In terms of area planted in 2012, SOCCSKSARGEN led other regions with 23,485 hectares followed by Northern Mindanao with 21,593 hectares (Figure 9).

Table 3.10 PINEAPPLE: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2007-2011

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**2,209,336**	**2,198,497**	**2,169,233**	**2,246,806**	**2,397,628**
CAR	711	716	683	687	712
Ilocos Region	206	195	195	197	200
Cagayan Valley	30,815	32,574	29,375	26,703	28,225
Central Luzon	1,363	1,406	1,452	1,439	1,463
CALABARZON	86,168	88,375	87,561	86,178	86,389
MIMAROPA	223	233	252	295	326
Bicol Region	111,530	109,967	112,205	116,123	121,735
Western Visayas	15,184	15,424	14,317	16,263	16,308
Central Visayas	4,887	4,867	4,173	4,626	4,617
Eastern Visayas	7,397	7,476	7,468	7,377	7,457
Zamboanga Peninsula	2,436	2,289	1,992	1,864	1,710
Northern Mindanao	1,007,022	1,026,905	1,067,608	1,159,698	1,294,584
Davao Region	22,303	22,440	22,840	25,306	28,162
SOCCSKSARGEN	913,280	879,836	813,251	794,841	800,055
Caraga	4,738	4,684	4,725	4,136	4,648
ARMM	1,072	1,109	1,135	1,072	1,039
Area (ha)					
PHILIPPINES	**58,251**	**58,823**	**58,547**	**58,457**	**58,442**
CAR	115	117	117	114	117
Ilocos Region	38	31	30	27	27
Cagayan Valley	1,394	1,424	1,506	1,528	1,217
Central Luzon	136	143	146	151	153
CALABARZON	4,368	4,034	4,023	3,869	3,837
MIMAROPA	52	58	66	70	73
Bicol Region	3,115	3,109	3,079	3,084	3,093
Western Visayas	730	733	725	782	839
Central Visayas	443	452	451	452	452
Eastern Visayas	551	557	560	566	583
Zamboanga Peninsula	422	399	398	356	350
Northern Mindanao	18,994	20,847	21,547	21,979	21,593
Davao Region	2,064	2,060	2,053	2,052	2,033
SOCCSKSARGEN	25,202	24,218	23,269	22,850	23,485
Caraga	545	527	488	488	499
ARMM	81	115	89	90	92
Yield Per Hectare (mt)					
PHILIPPINES	**37.93**	**37.37**	**37.05**	**38.44**	**41.03**
CAR	6.18	6.12	5.83	6.03	6.08
Ilocos Region	5.42	6.30	6.51	7.23	7.47
Cagayan Valley	22.11	22.88	19.51	17.48	23.19
Central Luzon	10.02	9.83	9.94	9.53	9.56
CALABARZON	19.73	21.91	21.77	22.27	22.51
MIMAROPA	4.28	4.02	3.84	4.25	4.48
Bicol Region	35.80	35.37	36.44	37.65	39.36
Western Visayas	20.80	21.04	19.75	20.80	19.44
Central Visayas	11.03	10.76	9.25	10.25	10.22
Eastern Visayas	13.42	13.43	13.34	13.03	12.79
Zamboanga Peninsula	5.77	5.74	5.00	5.23	4.89
Northern Mindanao	53.02	49.26	49.55	52.76	59.96
Davao Region	10.81	10.90	11.13	12.33	13.85
SOCCSKSARGEN	36.24	36.33	34.95	34.79	34.07
Caraga	8.69	8.89	9.68	8.47	9.31
ARMM	13.24	9.64	12.75	11.92	11.29

Table 3.11 RAMBUTAN: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**8,553**	**9,435**	**12,743**	**6,271**	**7,189**
CAR	40	41	43	31	46
Ilocos Region	65	62	69	76	84
Cagayan Valley	376	384	434	422	408
Central Luzon	20	23	27	25	24
CALABARZON	4,419	4,168	4,384	2,700	2,775
MIMAROPA	338	335	362	342	364
Bicol Region	18	19	21	20	28
Western Visayas	99	154	194	121	168
Central Visayas	6	58	84	46	41
Eastern Visayas	14	16	17	15	26
Zamboanga Peninsula	194	347	924	290	342
Northern Mindanao	206	317	369	269	178
Davao Region	1,223	1,429	1,833	859	985
SOCCSKSARGEN	1,431	1,976	3,844	996	1,503
Caraga	87	88	118	51	206
ARMM	16	19	21	7	13
Area (ha)					
PHILIPPINES	**5,669**	**5,672**	**5,743**	**5,849**	**5,889**
CAR	31	31	32	32	46
Ilocos Region	32	33	35	36	37
Cagayan Valley	62	65	65	65	77
Central Luzon	6	6	8	8	8
CALABARZON	1,616	1,617	1,628	1,730	1,778
MIMAROPA	704	673	675	672	665
Bicol Region	16	17	17	17	17
Western Visayas	97	72	73	73	74
Central Visayas	16	33	45	47	49
Eastern Visayas	16	17	17	18	22
Zamboanga Peninsula	340	366	385	397	404
Northern Mindanao	185	186	186	186	186
Davao Region	724	730	739	748	749
SOCCSKSARGEN	1,352	1,352	1,357	1,339	1,296
Caraga	445	449	455	455	455
ARMM	27	27	27	27	27
Yield Per Hectare (mt)					
PHILIPPINES	**1.51**	**1.66**	**2.22**	**1.07**	**1.22**
CAR	1.29	1.31	1.35	0.98	1.01
Ilocos Region	2.02	1.87	1.97	2.08	2.25
Cagayan Valley	6.07	5.90	6.67	6.49	5.30
Central Luzon	3.33	3.83	3.38	3.15	3.00
CALABARZON	2.73	2.58	2.69	1.56	1.56
MIMAROPA	0.48	0.50	0.54	0.51	0.55
Bicol Region	1.12	1.15	1.26	1.22	1.69
Western Visayas	1.02	2.14	2.66	1.66	2.26
Central Visayas	0.37	1.79	1.88	0.99	0.84
Eastern Visayas	0.89	0.94	0.97	0.86	1.17
Zamboanga Peninsula	0.57	0.95	2.40	0.73	0.85
Northern Mindanao	1.12	1.71	1.99	1.45	0.96
Davao Region	1.69	1.96	2.48	1.15	1.32
SOCCSKSARGEN	1.06	1.46	2.83	0.74	1.16
Caraga	0.20	0.20	0.26	0.11	0.45
ARMM	0.58	0.70	0.76	0.26	0.49

Table 3.11a RAMBUTAN: NUMBER OF BEARING TREES, BEARING TREES PER HECTARE AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
BEARING TREES (no.)					
PHILIPPINES	**411,808**	**416,805**	**429,293**	**427,941**	**439,221**
CAR	1,100	1,120	1,320	1,270	2,400
Ilocos Region	1,664	1,693	1,901	2,051	2,154
Cagayan Valley	3,550	3,550	6,750	6,700	7,645
Central Luzon	800	800	900	1,050	1,350
CALABARZON	169,640	169,690	170,308	170,808	171,608
MIMAROPA	23,463	23,170	23,220	23,345	23,253
Bicol Region	1,252	1,284	1,284	1,263	1,273
Western Visayas	5,660	5,568	5,648	5,698	5,753
Central Visayas	1,630	2,681	4,285	4,300	4,645
Eastern Visayas	950	1,013	1,021	1,030	1,131
Zamboanga Peninsula	10,432	11,800	16,652	17,162	17,322
Northern Mindanao	17,560	17,852	17,922	17,552	17,752
Davao Region	50,271	51,741	52,472	51,540	51,323
SOCCSKSARGEN	110,623	111,300	111,942	110,604	110,104
Caraga	9,540	9,865	9,990	9,890	17,840
ARMM	3,673	3,678	3,678	3,678	3,668
BEARING TREES PER HECTARE					
PHILIPPINES	**73**	**73**	**75**	**73**	**75**
CAR	35	36	41	40	52
Ilocos Region	52	51	54	56	58
Cagayan Valley	57	55	104	103	99
Central Luzon	133	133	113	131	169
CALABARZON	105	105	105	99	97
MIMAROPA	33	34	34	35	35
Bicol Region	78	78	78	77	77
Western Visayas	58	77	77	78	78
Central Visayas	102	82	96	92	96
Eastern Visayas	59	60	60	57	51
Zamboanga Peninsula	31	32	43	43	43
Northern Mindanao	95	96	96	94	96
Davao Region	69	71	71	69	69
SOCCSKSARGEN	82	82	82	83	85
Caraga	21	22	22	22	39
ARMM	136	136	136	136	137
YIELD PER BEARING TREE (kg)					
PHILIPPINES	**20.77**	**22.64**	**29.68**	**14.65**	**16.37**
CAR	36.27	36.37	32.80	24.69	19.27
Ilocos Region	38.89	36.46	36.41	36.88	38.87
Cagayan Valley	105.94	108.10	64.24	62.94	53.35
Central Luzon	25.00	28.75	30.00	24.03	17.78
CALABARZON	26.05	24.56	25.74	15.81	16.17
MIMAROPA	14.42	14.46	15.59	14.66	15.66
Bicol Region	14.33	14.84	16.25	16.00	21.89
Western Visayas	17.53	27.66	34.42	21.28	29.19
Central Visayas	3.63	21.80	19.53	10.78	8.74
Eastern Visayas	14.93	15.82	16.22	14.94	22.67
Zamboanga Peninsula	18.58	29.40	55.49	16.91	19.73
Northern Mindanao	11.74	17.77	20.58	15.30	10.02
Davao Region	24.33	27.62	34.93	16.67	19.19
SOCCSKSARGEN	12.93	17.75	34.34	9.00	13.65
Caraga	9.11	8.90	11.77	5.12	11.56
ARMM	4.24	5.17	5.58	1.89	3.60

Table 3.12 TAMARIND FRUIT: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**11,052**	**10,063**	**9,032**	**8,122**	**7,919**
CAR	13	13	13	13	14
Ilocos Region	2,568	2,489	2,556	2,525	2,552
Cagayan Valley	3,555	2,984	2,109	1,558	1,407
Central Luzon	1,857	1,730	1,677	1,620	1,595
CALABARZON	156	152	139	106	108
MIMAROPA	191	193	196	196	201
Bicol Region	157	163	168	165	163
Western Visayas	93	87	82	82	80
Central Visayas	484	351	320	220	208
Eastern Visayas	49	50	50	48	47
Zamboanga Peninsula	269	245	212	190	179
Northern Mindanao	58	47	41	31	27
Davao Region	1,329	1,285	1,208	1,127	1,103
SOCCSKSARGEN	252	261	252	241	235
Caraga	13	12	6		
ARMM	9	1	1		
Area (ha)					
PHILIPPINES	**2,681**	**2,641**	**2,598**	**2,540**	**2,524**
CAR	10	10	10	10	10
Ilocos Region	1,167	1,150	1,132	1,126	1,127
Cagayan Valley	355	355	329	297	297
Central Luzon	188	183	185	187	187
CALABARZON	101	100	98	98	98
MIMAROPA	97	93	93	92	91
Bicol Region	82	82	82	81	79
Western Visayas	134	133	131	131	130
Central Visayas	224	215	215	197	186
Eastern Visayas	29	30	30	29	28
Zamboanga Peninsula	98	98	99	103	103
Northern Mindanao	9	7	7	7	7
Davao Region	133	130	131	128	127
SOCCSKSARGEN	43	43	45	44	44
Caraga	6	6	6	6	6
ARMM	5	5	4	4	4
Yield Per Hectare (mt)					
PHILIPPINES	**4.12**	**3.81**	**3.48**	**3.20**	**3.14**
CAR	1.27	1.29	1.32	1.35	1.36
Ilocos Region	2.20	2.16	2.26	2.24	2.26
Cagayan Valley	10.02	8.41	6.41	5.24	4.74
Central Luzon	9.88	9.45	9.06	8.66	8.53
CALABARZON	1.54	1.52	1.41	1.08	1.10
MIMAROPA	1.97	2.07	2.11	2.13	2.21
Bicol Region	1.92	1.99	2.05	2.04	2.07
Western Visayas	0.69	0.65	0.63	0.62	0.62
Central Visayas	2.16	1.63	1.49	1.12	1.12
Eastern Visayas	1.69	1.64	1.64	1.63	1.65
Zamboanga Peninsula	2.75	2.50	2.14	1.85	1.74
Northern Mindanao	6.76	6.69	5.58	4.20	3.66
Davao Region	9.97	9.86	9.20	8.81	8.66
SOCCSKSARGEN	5.87	6.07	5.60	5.47	5.36
Caraga	2.13	2.27	1.07		
ARMM	1.76	0.20	0.28		

Table 3.12a TAMARIND FRUIT: NUMBER OF BEARING TREES, BEARING TREES PER HECTARE AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
BEARING TREES (no.)					
PHILIPPINES	**151,398**	**148,700**	**145,344**	**142,590**	**142,621**
CAR	1,382	1,391	1,395	1,395	1,395
Ilocos Region	61,428	60,461	58,331	57,995	58,029
Cagayan Valley	26,178	26,173	24,382	23,135	22,455
Central Luzon	10,210	9,260	9,880	9,905	10,668
CALABARZON	6,117	6,062	6,032	5,962	5,902
MIMAROPA	4,610	4,552	4,577	4,581	4,594
Bicol Region	4,280	4,290	4,290	4,215	4,197
Western Visayas	9,439	9,218	9,097	9,093	9,093
Central Visayas	7,454	7,174	7,198	6,611	6,602
Eastern Visayas	1,412	1,443	1,450	1,482	1,493
Zamboanga Peninsula	6,326	6,330	6,380	6,459	6,467
Northern Mindanao	707	638	614	613	663
Davao Region	8,820	8,636	8,594	8,262	8,238
SOCCSKSARGEN	2,360	2,403	2,450	2,372	2,350
Caraga	405	405	410	290	285
ARMM	270	264	264	220	190
BEARING TREES PER HECTARE					
PHILIPPINES	**56**	**56**	**56**	**56**	**57**
CAR	138	139	140	140	140
Ilocos Region	53	53	52	51	51
Cagayan Valley	74	74	74	78	76
Central Luzon	54	51	53	53	57
CALABARZON	61	61	62	61	60
MIMAROPA	48	49	49	50	50
Bicol Region	52	52	52	52	53
Western Visayas	70	69	69	69	70
Central Visayas	33	33	33	34	35
Eastern Visayas	48	47	48	50	53
Zamboanga Peninsula	65	65	64	63	63
Northern Mindanao	83	91	83	83	90
Davao Region	66	66	65	65	65
SOCCSKSARGEN	55	56	54	54	54
Caraga	68	74	75	53	52
ARMM	54	53	66	59	54
YIELD PER BEARING TREE (kg)					
PHILIPPINES	**73.00**	**73.00**	**67.67**	**56.96**	**55.52**
CAR	9.17	9.29	9.45	9.64	9.75
Ilocos Region	41.80	41.16	43.82	43.54	43.97
Cagayan Valley	135.82	114.02	86.51	67.33	62.65
Central Luzon	181.84	186.83	169.71	163.55	149.52
CALABARZON	25.45	25.04	22.97	17.71	18.23
MIMAROPA	41.54	42.32	42.93	42.78	43.75
Bicol Region	36.76	38.08	39.27	39.20	38.95
Western Visayas	9.81	9.44	9.03	8.99	8.81
Central Visayas	64.94	48.89	44.47	33.30	31.58
Eastern Visayas	34.98	34.46	34.30	32.44	31.46
Zamboanga Peninsula	42.59	38.72	33.28	29.46	27.72
Northern Mindanao	81.33	73.39	67.28	50.73	40.87
Davao Region	150.63	148.75	140.58	136.45	133.84
SOCCSKSARGEN	106.89	108.66	102.95	101.49	99.96
Caraga	31.58	30.81	14.39		
ARMM	32.59	3.79	4.17		

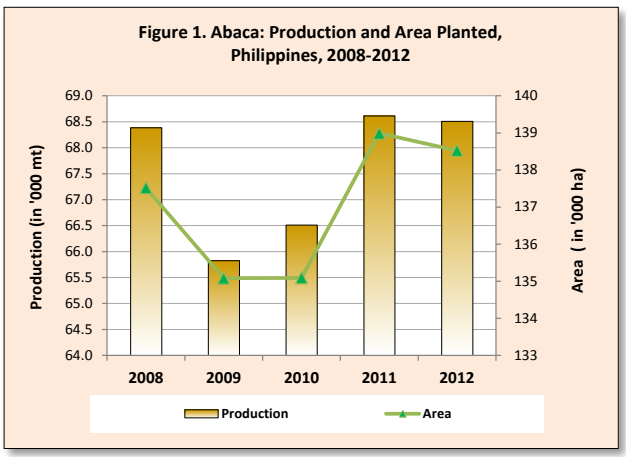
Table 3.13 WATERMELON: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**103,248**	**97,106**	**110,238**	**101,524**	**105,041**
CAR	373	377	378	376	375
Ilocos Region	27,504	23,846	22,247	24,567	23,840
Cagayan Valley	13,499	10,419	10,451	9,541	10,299
Central Luzon	7,171	6,259	7,233	6,505	6,548
CALABARZON	3,142	2,693	3,454	2,581	2,876
MIMAROPA	2,101	2,119	2,298	2,338	2,542
Bicol Region	4,053	3,682	4,671	5,104	5,341
Western Visayas	36,098	38,380	49,140	42,929	44,635
Central Visayas	1,398	1,367	1,438	818	883
Eastern Visayas	681	674	799	778	776
Zamboanga Peninsula	889	838	998	665	543
Northern Mindanao	1,011	1,030	1,241	1,129	1,278
Davao Region	1,037	1,063	1,023	970	964
SOCCSKSARGEN	1,352	1,341	1,816	1,276	1,398
Caraga	2,814	2,902	2,900	1,914	2,697
ARMM	127	115	153	33	45
Area (ha)					
PHILIPPINES	**6,246**	**6,237**	**6,703**	**6,102**	**6,240**
CAR	20	20	20	20	20
Ilocos Region	1,033	944	885	884	891
Cagayan Valley	701	652	633	568	541
Central Luzon	1,040	1,014	1,035	998	1,006
CALABARZON	224	242	291	224	200
MIMAROPA	193	195	206	208	233
Bicol Region	158	163	187	176	168
Western Visayas	1,646	1,741	2,185	1,959	2,068
Central Visayas	52	53	50	31	35
Eastern Visayas	104	110	113	110	110
Zamboanga Peninsula	143	121	146	78	43
Northern Mindanao	221	224	241	224	236
Davao Region	129	157	160	183	175
SOCCSKSARGEN	163	170	197	162	163
Caraga	352	368	294	262	330
ARMM	68	64	61	16	22
Yield Per Hectare (mt)					
PHILIPPINES	**16.53**	**15.57**	**16.45**	**16.64**	**16.83**
CAR	18.64	18.84	18.89	18.82	18.75
Ilocos Region	26.63	25.27	25.14	27.79	26.76
Cagayan Valley	19.26	15.98	16.52	16.80	19.03
Central Luzon	6.90	6.17	6.99	6.52	6.51
CALABARZON	14.03	11.13	11.87	11.52	14.42
MIMAROPA	10.91	10.86	11.16	11.23	10.93
Bicol Region	25.60	22.59	24.98	29.00	31.79
Western Visayas	21.93	22.05	22.49	21.92	21.58
Central Visayas	26.75	25.73	28.62	26.81	25.22
Eastern Visayas	6.58	6.13	7.10	7.08	7.02
Zamboanga Peninsula	6.22	6.93	6.84	8.58	12.74
Northern Mindanao	4.58	4.60	5.14	5.05	5.41
Davao Region	8.07	6.79	6.39	5.30	5.52
SOCCSKSARGEN	8.30	7.89	9.24	7.86	8.57
Caraga	7.99	7.89	9.87	7.31	8.17
ARMM	1.87	1.79	2.50	2.03	2.06

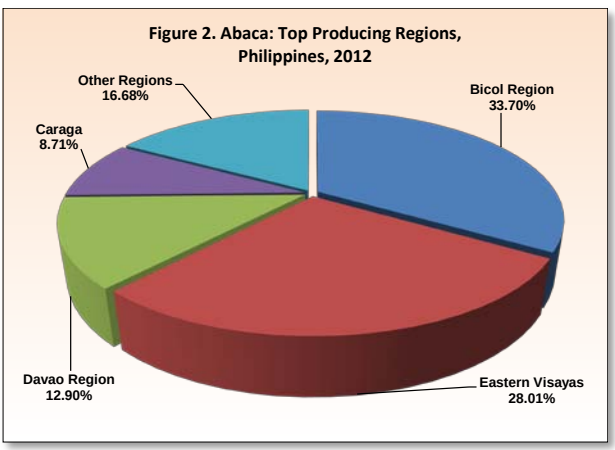
C. NON-FOOD & INDUSTRIAL CROPS

ABACA

Area planted and production of abaca fluctuated during the reference years, 2008 to 2012. Production was lowest in 2009 at 65.83 thousand mt. It went up by 1.34 percent annually and settled at 68.51 thousand mt in 2012. Similarly, area planted was smallest in 2009 at 135.08 thousand hectares, but this expanded annually by 0.84 percent and by 2012 it was estimated at 138.52 thousand hectares. From 2008 to 2012, abaca production grew annually by 0.05 percent while area planted increased by 0.18 percent. In 2012, abaca production went down by 0.15 percent from the 2011 level of 68.61 thousand mt (Figure 1).



The 2012 abaca production in Davao Region dropped by 4.20 percent due to the adverse effects of Typhoon Pablo that hit the provinces of Compostela Valley, Davao del Norte, and Davao del Sur in the first week of December. The output of Eastern Visayas also declined



by 4.16 percent because in the municipalities of Mahaplag, Burauen, Kananga, Sogod, Bontoc, and Saint Bernard; and in the cities of Baybay, Maasin, and Ormoc; abaca trees was continuously affected by mosaic and bunchy top diseases.

Bicol Region was the top producer of abaca fiber in 2012. It produced 23.09 thousand mt of abaca or 33.70 percent of the country's total production. Eastern Visayas was the 2nd top abaca producer with 19.19 thousand mt with a share of 28.01 percent. The other major producers were Davao Region with 8.84 thousand mt or 12.90 percent share and Caraga Region with 5.97 thousand mt or 8.71 percent contribution to the national production (Figure 2).

Table 4.1 ABACA: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

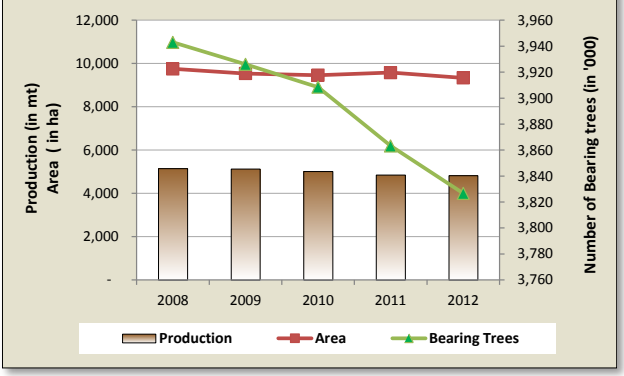
Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**68,386**	**65,825**	**66,512**	**68,613**	**68,510**
CAR	13	13	13	13	13
Ilocos Region					
Cagayan Valley					
Central Luzon	80	100	109	111	126
CALABARZON	24	21	2	4	11
MIMAROPA	72	74	77	89	106
Bicol Region	18,363	18,833	20,264	22,645	23,086
Western Visayas	1,679	1,568	1,492	1,853	2,236
Central Visayas	731	383	332	397	414
Eastern Visayas	23,779	21,239	20,326	20,023	19,191
Zamboanga Peninsula	177	198	231	631	675
Northern Mindanao	1,615	1,741	1,768	1,825	2,043
Davao Region	10,247	10,212	10,242	9,226	8,839
SOCCSKSARGEN	741	800	828	878	916
Caraga	6,084	5,861	6,059	6,031	5,965
ARMM	4,779	4,781	4,768	4,886	4,888
Area (ha)					
PHILIPPINES	**137,520**	**135,081**	**135,090**	**138,991** R/	**138,523**
CAR	870	870	579	579	550
Ilocos Region					
Cagayan Valley					
Central Luzon	508	510	520	529	534
CALABARZON	294	250	251	345	352
MIMAROPA	1,127	1,172	1,183	1,369	1,409
Bicol Region	42,662	42,662	41,748	42,864	42,171
Western Visayas	4,001	3,946	3,903	6,562	6,567
Central Visayas	3,097	3,097	3,097	3,338	3,338
Eastern Visayas	44,943	42,388	40,602	39,513	37,780
Zamboanga Peninsula	1,869	1,919	1,932	1,948	1,955
Northern Mindanao	4,990	5,036	4,834	4,816	5,376
Davao Region	10,777	10,808	12,166	13,544	14,624
SOCCSKSARGEN	4,555	4,589	4,582	4,615	5,899
Caraga	9,912	9,920	11,780	10,949 R/	9,911
ARMM	7,914	7,914	7,913	8,020	8,057
Yield Per Hectare (mt)					
PHILIPPINES	**0.50**	**0.49**	**0.49**	**0.49**	**0.49**
CAR	0.02	0.02	0.02	0.02	0.02
Ilocos Region					
Cagayan Valley					
Central Luzon	0.16	0.20	0.21	0.21	0.24
CALABARZON	0.08	0.09	0.01	0.01	0.03
MIMAROPA	0.06	0.06	0.06	0.06	0.08
Bicol Region	0.43	0.44	0.49	0.53	0.55
Western Visayas	0.42	0.40	0.38	0.28	0.34
Central Visayas	0.24	0.12	0.11	0.12	0.12
Eastern Visayas	0.53	0.50	0.50	0.51	0.51
Zamboanga Peninsula	0.09	0.10	0.12	0.32	0.35
Northern Mindanao	0.32	0.35	0.37	0.38	0.38
Davao Region	0.95	0.94	0.84	0.68	0.60
SOCCSKSARGEN	0.16	0.17	0.18	0.19	0.16
Caraga	0.61	0.59	0.51	0.55	0.60
ARMM	0.60	0.60	0.60	0.61	0.61

R/ - Revised

CACAO

Cacao production decreased by an annual average rate of 1.58 percent from 2008 to 2012 (Figure 3). Annual average decreases in area planted, number of bearing trees and yield per bearing tree were recorded at respective rates of 1.08 percent, 0.75 percent and 0.84 percent. In 2012, production was 4.83 thousand mt, 0.52 percent lower than the level of 4.86 thousand mt in 2011. The largest drop in production was posted in Bukidnon. Land use conversion in Menzi Farms in Manolo Fortich, Bukidnon affected a substantial decrease in cacao area, thus, reducing production in Bukidnon by 54.84 percent or 170 mt.

Figure 3. Cacao: Production, Area and Number of Bearing Trees, Philippines, 2008-2012



The top producing regions and their contributions to the national output in 2012 were Davao Region, 77.89 percent; Northern Mindanao, 4.57 percent; Zamboanga Peninsula, 2.39 percent and Eastern Visayas, 2.37 percent (Figure 4).

Figure 4. Cacao: Top Producing Regions, Philippines, 2012

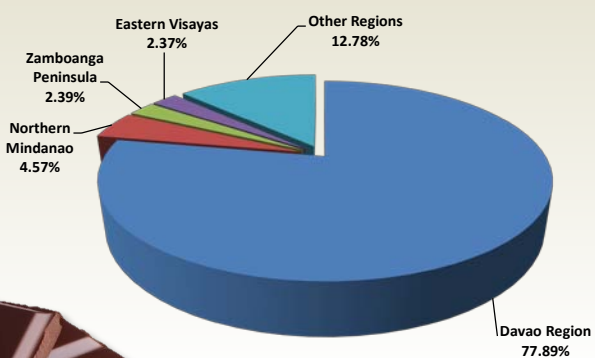


Table 4.2 CACAO: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**5,149**	**5,134**	**5,019**	**4,856**	**4,831**
CAR	13	14	14	14	15
Ilocos Region	50	49	46	45	42
Cagayan Valley	109	116	83	64	61
Central Luzon	40	41	42	44	46
CALABARZON	23	22	22	21	20
MIMAROPA	44	49	57	61	64
Bicol Region	29	30	31	32	33
Western Visayas	77	74	67	59	62
Central Visayas	65	61	54	53	54
Eastern Visayas	129	127	122	117	114
Zamboanga Peninsula	135	132	122	112	115
Northern Mindanao	551	562	555	396	221
Davao Region	3,470	3,510	3,506	3,617	3,763
SOCCSKSARGEN	83	79	73	73	74
Caraga	213	157	124	59	63
ARMM	118	110	101	91	83
Area (ha)					
PHILIPPINES	**9,751**	**9,538**	**9,462**	**9,582** R/	**9,338**
CAR	26	26	27	29	31
Ilocos Region	74	73	73	70	69
Cagayan Valley	216	222	222	220	296
Central Luzon	33	33	32	36	38
CALABARZON	340	340	330	328	328
MIMAROPA	74	82	90	95	94
Bicol Region	284	284	284	283	285
Western Visayas	123	115	114	113	113
Central Visayas	155	153	149	149	168
Eastern Visayas	395	379	362	339	334
Zamboanga Peninsula	527	446	425	394	359
Northern Mindanao	941	937	927	877	877
Davao Region	4,945	4,945	4,958	5,226	5,151
SOCCSKSARGEN	137	133	130	134	161
Caraga	855	855	840	825 R/	585
ARMM	625	515	500	464	449
Yield Per Hectare (mt)					
PHILIPPINES	**0.53**	**0.54**	**0.53**	**0.51**	**0.52**
CAR	0.51	0.54	0.51	0.48	0.47
Ilocos Region	0.67	0.66	0.63	0.64	0.62
Cagayan Valley	0.50	0.52	0.37	0.29	0.21
Central Luzon	1.20	1.24	1.32	1.21	1.21
CALABARZON	0.07	0.06	0.07	0.07	0.06
MIMAROPA	0.59	0.60	0.64	0.64	0.68
Bicol Region	0.10	0.11	0.11	0.11	0.12
Western Visayas	0.63	0.64	0.59	0.52	0.55
Central Visayas	0.42	0.40	0.36	0.35	0.32
Eastern Visayas	0.33	0.34	0.34	0.34	0.34
Zamboanga Peninsula	0.26	0.30	0.29	0.29	0.32
Northern Mindanao	0.59	0.60	0.60	0.45	0.25
Davao Region	0.70	0.71	0.71	0.69	0.73
SOCCSKSARGEN	0.61	0.60	0.56	0.54	0.46
Caraga	0.25	0.18	0.15	0.07	0.11
ARMM	0.19	0.21	0.20	0.20	0.19

R/ - Revised

Table 4.2a CACAO: NUMBER OF BEARING TREES, PLANTING DENSITY AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
BEARING TREES (no.)					
PHILIPPINES	**3,942,957**	**3,926,033**	**3,908,457**	**3,863,221**	**3,826,621**
CAR	12,574	12,582	12,860	12,865	18,500
Ilocos Region	17,521	17,613	17,865	17,429	17,385
Cagayan Valley	72,560	73,730	73,730	72,130	72,317
Central Luzon	19,500	19,309	20,470	21,260	21,820
CALABARZON	46,496	46,486	44,486	43,906	43,926
MIMAROPA	26,701	29,204	31,811	31,726	31,579
Bicol Region	56,836	56,840	56,837	56,825	57,100
Western Visayas	55,422	53,375	51,835	51,529	50,578
Central Visayas	61,423	61,173	60,811	59,639	59,230
Eastern Visayas	152,450	151,449	144,281	137,358	133,548
Zamboanga Peninsula	93,464	80,964	77,764	88,700	88,170
Northern Mindanao	482,155	482,752	482,752	426,752	426,752
Davao Region	2,460,190	2,460,216	2,460,348	2,479,465	2,456,645
SOCCSKSARGEN	57,519	53,594	52,901	52,041	53,130
Caraga	237,755	237,255	232,505	226,705	213,220
ARMM	90,391	89,491	87,201	84,891	82,721
PLANTING DENSITY (Btrees/ha)					
PHILIPPINES	**404**	**412**	**413**	**403**	**410**
CAR	484	484	476	444	597
Ilocos Region	235	240	244	248	253
Cagayan Valley	336	332	332	328	244
Central Luzon	591	585	640	591	580
CALABARZON	137	137	135	134	134
MIMAROPA	359	356	355	334	336
Bicol Region	200	200	200	201	200
Western Visayas	451	464	455	456	446
Central Visayas	396	400	408	400	352
Eastern Visayas	386	400	399	405	400
Zamboanga Peninsula	177	182	183	225	246
Northern Mindanao	512	515	521	487	487
Davao Region	498	498	496	474	477
SOCCSKSARGEN	420	403	407	388	330
Caraga	278	277	277	275 R/	364
ARMM	145	174	174	183	184
YIELD PER BEARING TREE (kg)					
PHILIPPINES	**1.31**	**1.31**	**1.28**	**1.26**	**1.26**
CAR	1.06	1.12	1.07	1.09	0.79
Ilocos Region	2.87	2.76	2.59	2.57	2.43
Cagayan Valley	1.50	1.57	1.12	0.88	0.85
Central Luzon	2.03	2.12	2.06	2.05	2.09
CALABARZON	0.49	0.47	0.49	0.49	0.46
MIMAROPA	1.65	1.68	1.79	1.92	2.03
Bicol Region	0.51	0.53	0.55	0.55	0.58
Western Visayas	1.39	1.38	1.29	1.15	1.22
Central Visayas	1.05	1.01	0.89	0.88	0.91
Eastern Visayas	0.85	0.84	0.85	0.85	0.86
Zamboanga Peninsula	1.45	1.64	1.56	1.27	1.31
Northern Mindanao	1.14	1.16	1.15	0.93	0.52
Davao Region	1.41	1.43	1.43	1.46	1.53
SOCCSKSARGEN	1.45	1.48	1.39	1.40	1.39
Caraga	0.90	0.66	0.53	0.26	0.30
ARMM	1.31	1.23	1.16	1.08	1.01

R/ - Revised

CASHEW

Cashew production went up yearly by an average of 4.22 percent. From 112.33 thousand mt in 2008, production went up to 132.54 thousand mt in 2012 (Figure 5). Area planted to cashew increased annually by an average of 0.72 percent. From 27.52 thousand hectares in 2008, area rose to 28.32 thousand hectares in 2012. The number of bearing trees posted an average yearly increase of 1.91 percent from 2008 to 2012. However, land use conversion for residential and industrial uses had reduced cashew are a in Central Luzon by 3.35 percent in 2012. This resulted in 10.68 percent or 728.49 mt decrease in production.

Figure 5. Cashew: Production, Area and Number of Bearing Trees, Philippines, 2008-2012

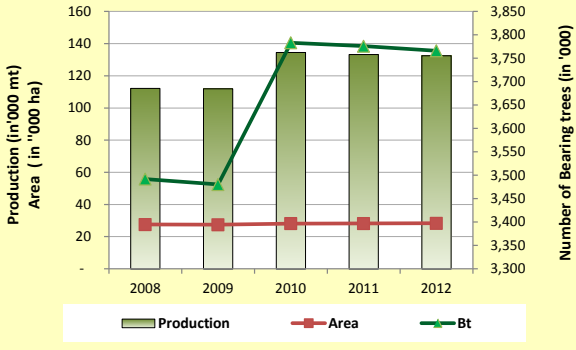
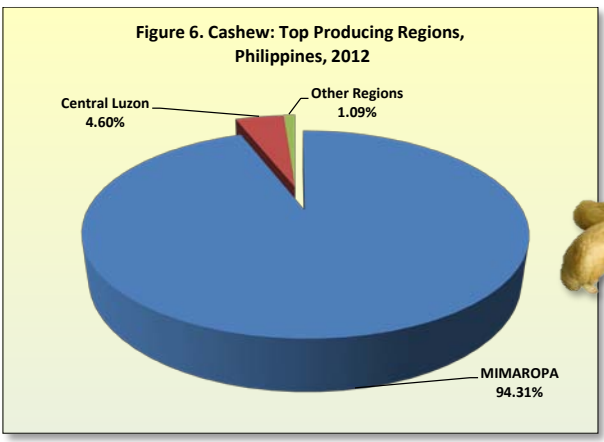


Figure 6. Cashew: Top Producing Regions, Philippines, 2012



MIMAROPA, the top producer of cashew, contributed 94.31 percent to the country's production in 2012 (Figure 6). Central Luzon put in 4.60 percent.

Table 4.3 CASHEW: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**112,334**	**111,993**	**134,681**	**133,388**	**132,541**
CAR	1	1	1	1	1
Ilocos Region	700	730	692	684	708
Cagayan Valley	70	54	49	45	39
Central Luzon	7,358	7,147	7,242	6,821	6,093
CALABARZON	52	49	47	44	45
MIMAROPA	103,263	103,272	125,864	125,080	125,006
Bicol Region	4	4	4	4	4
Western Visayas	563	547	596	563	536
Central Visayas	70	57	58	47	39
Eastern Visayas					
Zamboanga Peninsula	14	12	10	7	6
Northern Mindanao	97	40	44	28	7
Davao Region	116	59	56	49	44
SOCCSKSARGEN	14	12	12	11	10
Caraga	12	8	6	4	3
ARMM	0.20	0.25	0.20	0.18	0.15
Area (ha)					
PHILIPPINES	**27,517**	**27,428**	**28,114**	**28,204**	**28,316**
CAR	2	2	2	2	2
Ilocos Region	486	486	475	472	470
Cagayan Valley	35	36	30	29	29
Central Luzon	1,575	1,572	1,560	1,522	1,471
CALABARZON	32	32	32	32	27
MIMAROPA	24,410	24,425	25,180	25,335	25,528
Bicol Region	3	3	3	3	3
Western Visayas	428	431	431	434	434
Central Visayas	20	20	20	20	20
Eastern Visayas					
Zamboanga Peninsula	39	40	40	39	33
Northern Mindanao	137	54	54	54	54
Davao Region	302	282	241	220	208
SOCCSKSARGEN	11	11	11	11	11
Caraga	35	33	33	29	24
ARMM	2	2	2	2	2
Yield Per Hectare (mt)					
PHILIPPINES	**4.08**	**4.08**	**4.79**	**4.73**	**4.68**
CAR	0.65	0.66	0.65	0.67	0.67
Ilocos Region	1.44	1.50	1.46	1.45	1.51
Cagayan Valley	2.00	1.50	1.63	1.56	1.33
Central Luzon	4.67	4.55	4.64	4.48	4.14
CALABARZON	1.64	1.54	1.48	1.36	1.65
MIMAROPA	4.23	4.23	5.00	4.94	4.90
Bicol Region	1.28	1.26	1.32	1.29	1.31
Western Visayas	1.32	1.27	1.38	1.30	1.24
Central Visayas	3.48	2.85	2.91	2.37	1.94
Eastern Visayas					
Zamboanga Peninsula	0.36	0.31	0.26	0.17	0.18
Northern Mindanao	0.71	0.73	0.81	0.52	0.14
Davao Region	0.38	0.21	0.23	0.22	0.21
SOCCSKSARGEN	1.27	1.11	1.05	0.99	0.94
Caraga	0.35	0.25	0.17	0.13	0.12
ARMM	0.10	0.13	0.10	0.09	0.08

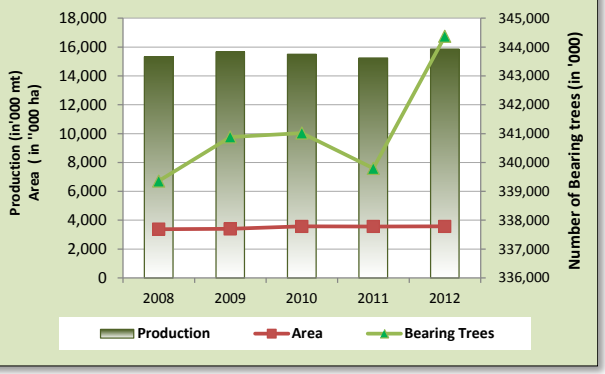
Table 4.3a CASHEW: NUMBER OF BEARING TREES, PLANTING DENSITY AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
BEARING TREES (no.)					
PHILIPPINES	**3,491,813**	**3,480,231**	**3,783,210**	**3,775,938**	**3,766,146**
CAR	275	288	288	295	295
Ilocos Region	68,425	68,411	67,945	67,573	67,579
Cagayan Valley	3,921	3,921	3,621	3,348	3,490
Central Luzon	201,949	201,073	206,846	201,716	193,286
CALABARZON	3,230	3,221	3,376	3,340	3,455
MIMAROPA	3,106,000	3,106,250	3,406,815	3,407,258	3,407,525
Bicol Region	343	343	343	343	343
Western Visayas	60,021	59,810	59,948	59,933	59,894
Central Visayas	5,400	5,400	5,450	5,400	5,400
Eastern Visayas					
Zamboanga Peninsula	3,545	3,530	3,520	3,048	2,908
Northern Mindanao	14,628	5,092	5,092	5,092	5,092
Davao Region	18,663	17,594	14,695	14,042	13,292
SOCCSKSARGEN	1,200	1,185	1,210	1,187	1,085
Caraga	4,100	4,000	3,950	3,252	2,402
ARMM	113	113	111	111	100
PLANTING DENSITY (Btrees/ha)					
PHILIPPINES	**127**	**127**	**135**	**134**	**133**
CAR	138	144	144	148	148
Ilocos Region	141	141	143	143	144
Cagayan Valley	112	110	121	115	120
Central Luzon	128	128	133	133	131
CALABARZON	101	101	106	104	128
MIMAROPA	127	127	135	134	133
Bicol Region	114	114	114	114	114
Western Visayas	140	139	139	138	138
Central Visayas	270	270	273	270	270
Eastern Visayas					
Zamboanga Peninsula	91	88	88	78	88
Northern Mindanao	107	94	94	94	94
Davao Region	62	63	61	64	64
SOCCSKSARGEN	109	108	110	108	101
Caraga	117	121	120	112	100
ARMM	57	57	56	56	50
YIELD PER BEARING TREE (kg)					
PHILIPPINES	**32.17**	**32.18**	**35.60**	**35.33**	**35.19**
CAR	4.73	4.58	4.51	4.51	4.54
Ilocos Region	10.23	10.68	10.19	10.12	10.48
Cagayan Valley	17.88	13.68	13.53	13.50	11.09
Central Luzon	36.43	35.54	35.01	33.82	31.52
CALABARZON	16.20	15.26	14.03	13.03	12.93
MIMAROPA	33.25	33.25	36.94	36.71	36.69
Bicol Region	11.20	10.99	11.52	11.28	11.43
Western Visayas	9.38	9.15	9.95	9.39	8.96
Central Visayas	12.88	10.57	10.68	8.76	7.19
Eastern Visayas					
Zamboanga Peninsula	3.92	3.48	2.94	2.20	2.01
Northern Mindanao	6.62	7.79	8.62	5.54	1.44
Davao Region	6.22	3.35	3.80	3.52	3.34
SOCCSKSARGEN	11.62	10.32	9.50	9.18	9.35
Caraga	2.99	2.03	1.42	1.13	1.17
ARMM	1.77	2.21	1.80	1.62	1.50

COCONUT

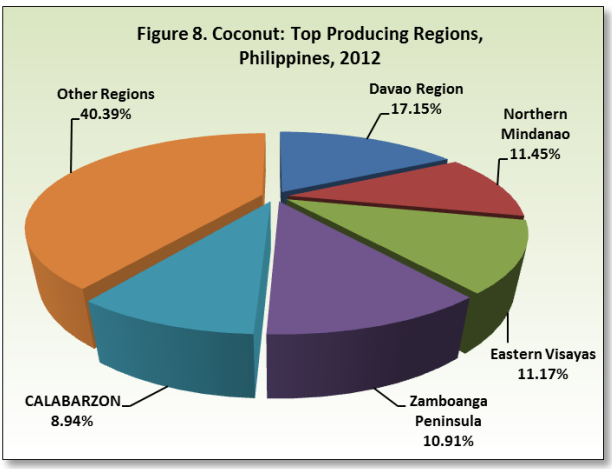
Coconut production in 2012 was 15.86 million mt. Between 2008 and 2012, production grew by an average of 0.87 percent annually. In 2008, production was 15.32 million mt (Figure 7). Average yield also increased to 46.06 kilograms per bearing tree in 2012 from 45.14 kilograms per bearing tree in 2008. Annual growth rate averaged 0.50 percent (Table 4.4a). These increases were brought about by the recovery of coconut trees from the adverse effects of El Niño phenomenon in 2010, expanding fertilization program and disease control interventions of the Philippine Coconut Authority (PCA).

Figure 7. Coconut: Production, Area and Number of Bearing Trees, Philippines, 2008-2012



From 2008 to 2012, area planted and number of bearing trees continued to increase and its corresponding average annual rates were 1.41 percent and 0.37 percent.

Figure 8. Coconut: Top Producing Regions, Philippines, 2012



The top coconut producer was Davao Region with a 17.15 percent share in the national production in 2012. The other major producers were Northern Mindanao, Eastern Visayas, Zamboanga Peninsula and CALABARZON (Figure 8).

Table 4.4 COCONUT: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**15,319,527**	**15,667,565**	**15,510,283**	**15,244,609**	**15,862,386**
CAR	866	906	914	907	952
Ilocos Region	36,144	38,023	37,379	38,476	39,316
Cagayan Valley	77,776	71,896	67,320	59,761	64,818
Central Luzon	189,103	199,730	210,442	212,648	209,025
CALABARZON	1,362,852	1,430,128	1,394,638	1,390,854	1,417,439
MIMAROPA	580,603	668,361	659,219	712,900	745,489
Bicol Region	1,159,810	1,257,221	1,269,538	1,201,707	1,240,459
Western Visayas	482,736	478,331	472,745	459,784	477,953
Central Visayas	393,855	434,589	429,717	438,267	451,037
Eastern Visayas	1,805,072	1,776,916	1,769,082	1,769,952	1,771,459
Zamboanga Peninsula	1,714,907	1,744,738	1,713,018	1,557,621	1,730,428
Northern Mindanao	1,713,354	1,743,338	1,757,165	1,745,950	1,816,501
Davao Region	2,671,203	2,691,905	2,635,867	2,627,248	2,720,233
SOCCSKSARGEN	870,094	895,086	864,270	879,868	985,175
Caraga	1,011,096	985,427	974,213	879,400	880,883
ARMM	1,250,054	1,250,971	1,254,755	1,269,268	1,311,219
Area (ha)					
PHILIPPINES	**3,379,741**	**3,401,500**	**3,575,944**	**3,561,981**	**3,573,806**
CAR	281	281	281	285	300
Ilocos Region	11,458	11,540	11,740	11,911	11,986
Cagayan Valley	13,650	13,661	13,661	13,781	13,783
Central Luzon	24,086	24,088	24,088	24,088	24,068
CALABARZON	343,578	343,568	438,673	438,253	438,733
MIMAROPA	161,858	179,321	181,784	192,687	199,434
Bicol Region	447,743	447,764	452,679	452,681	453,501
Western Visayas	122,785	119,663	119,922	120,774	121,153
Central Visayas	128,646	128,707	128,677	128,533	128,660
Eastern Visayas	378,968	383,546	434,539	417,786	419,540
Zamboanga Peninsula	368,365	369,013	372,971	375,080	377,389
Northern Mindanao	299,905	300,575	301,257	301,697	301,660
Davao Region	375,932	375,922	375,885	375,630	375,622
SOCCSKSARGEN	168,969	169,254	185,021	175,764	176,752
Caraga	219,102	219,107	219,121	218,613	215,285
ARMM	314,415	315,490	315,645	314,418	315,940
Yield Per Hectare (mt)					
PHILIPPINES	**4.53**	**4.61**	**4.34**	**4.28**	**4.44**
CAR	3.08	3.22	3.25	3.18	3.17
Ilocos Region	3.15	3.29	3.18	3.23	3.28
Cagayan Valley	5.70	5.26	4.93	4.34	4.70
Central Luzon	7.85	8.29	8.74	8.83	8.68
CALABARZON	3.97	4.16	3.18	3.17	3.23
MIMAROPA	3.59	3.73	3.63	3.70	3.74
Bicol Region	2.59	2.81	2.80	2.65	2.74
Western Visayas	3.93	4.00	3.94	3.81	3.95
Central Visayas	3.06	3.38	3.34	3.41	3.51
Eastern Visayas	4.76	4.63	4.07	4.24	4.22
Zamboanga Peninsula	4.66	4.73	4.59	4.15	4.59
Northern Mindanao	5.71	5.80	5.83	5.79	6.02
Davao Region	7.11	7.16	7.01	6.99	7.24
SOCCSKSARGEN	5.15	5.29	4.67	5.01	5.57
Caraga	4.61	4.50	4.45	4.02	4.09
ARMM	3.98	3.97	3.98	4.04	4.15

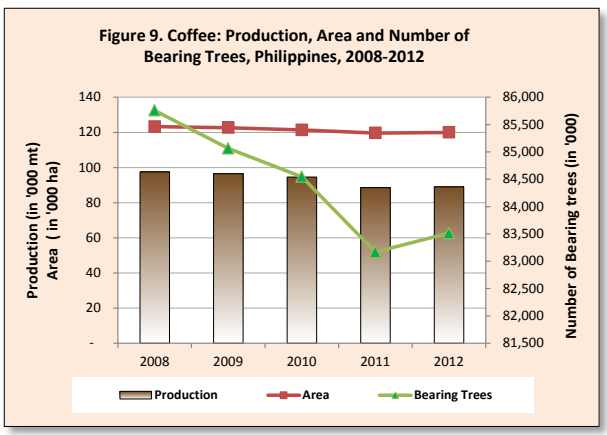
Table 4.4a COCONUT: NUMBER OF BEARING TREES, PLANTING DENSITY AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2008-2012

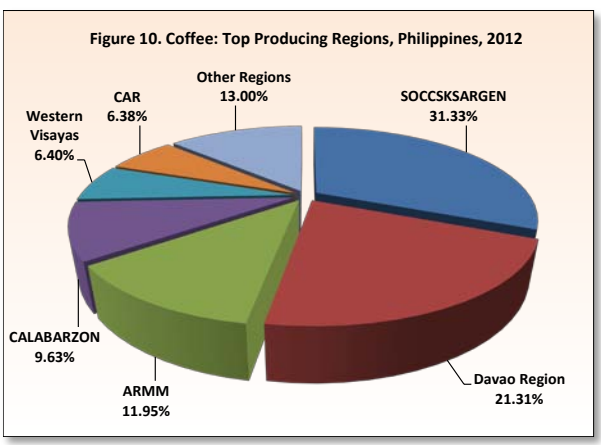
Region	2008	2009	2010	2011	2012
BEARING TREES (no.)					
PHILIPPINES	**339,357,206**	**340,882,817**	**341,020,368**	**339,795,215** R/	**344,377,121**
CAR	33,341	33,481	33,497	33,102	34,172
Ilocos Region	894,856	895,914	896,727	898,683	905,107
Cagayan Valley	1,372,809	1,372,767	1,372,790	1,367,300	1,365,734
Central Luzon	2,359,706	3,003,200	3,008,747	3,008,747	3,005,705
CALABARZON	41,750,811	41,750,248	41,746,328	41,699,340	46,922,240
MIMAROPA	17,229,897	17,300,172	17,530,994	17,525,539	17,621,198
Bicol Region	33,994,462	34,094,550	35,015,713	35,015,913	35,651,678
Western Visayas	9,657,270	9,516,597	9,542,000	9,662,190	9,693,100
Central Visayas	12,620,221	12,870,240	12,817,958	12,799,359	12,802,274
Eastern Visayas	48,069,659	48,643,020	46,209,530	46,130,929	46,263,621
Zamboanga Peninsula	30,801,254	30,920,994	31,032,964	31,187,074	30,758,752
Northern Mindanao	32,059,787	31,805,687	31,869,349	31,892,744	31,888,702
Davao Region	39,880,553	39,860,142	39,843,291	39,811,212	39,810,009
SOCCSKSARGEN	14,515,961	14,536,465	15,850,720	15,248,227	15,400,699
Caraga	20,845,650	20,846,275	20,836,195	20,137,148 R/	18,675,575
ARMM	33,270,969	33,433,065	33,413,565	33,377,708	33,578,555
PLANTING DENSITY (Btrees/ha)					
PHILIPPINES	**100**	**100**	**95**	**95**	**96**
CAR	119	119	119	116	114
Ilocos Region	78	78	76	75	76
Cagayan Valley	101	100	100	99	99
Central Luzon	98	125	125	125	125
CALABARZON	122	122	95	95	107
MIMAROPA	106	96	96	91	88
Bicol Region	76	76	77	77	79
Western Visayas	79	80	80	80	80
Central Visayas	98	100	100	100	100
Eastern Visayas	127	127	106	110	110
Zamboanga Peninsula	84	84	83	83	82
Northern Mindanao	107	106	106	106	106
Davao Region	106	106	106	106	106
SOCCSKSARGEN	86	86	86	87	87
Caraga	95	95	95	92 R/	87
ARMM	106	106	106	106	106
YIELD PER BEARING TREE (kg)					
PHILIPPINES	**45.14**	**45.96**	**45.48**	**44.86** R/	**46.06**
CAR	25.97	27.06	27.29	27.41	27.87
Ilocos Region	40.39	42.44	41.68	42.81	43.44
Cagayan Valley	56.65	52.37	49.04	43.71	47.46
Central Luzon	80.14	66.51	69.94	70.68	69.54
CALABARZON	32.64	34.25	33.41	33.35	30.21
MIMAROPA	33.70	38.63	37.60	40.68	42.31
Bicol Region	34.12	36.87	36.26	34.32	34.79
Western Visayas	49.99	50.26	49.54	47.59	49.31
Central Visayas	31.21	33.77	33.52	34.24	35.23
Eastern Visayas	37.55	36.53	38.28	38.37	38.29
Zamboanga Peninsula	55.68	56.43	55.20	49.94	56.26
Northern Mindanao	53.44	54.81	55.14	54.74	56.96
Davao Region	66.98	67.53	66.16	65.99	68.33
SOCCSKSARGEN	59.94	61.58	54.53	57.70	63.97
Caraga	48.50	47.27	46.76	43.67 R/	47.17
ARMM	37.57	37.42	37.55	38.03	39.05

R/ - Revised

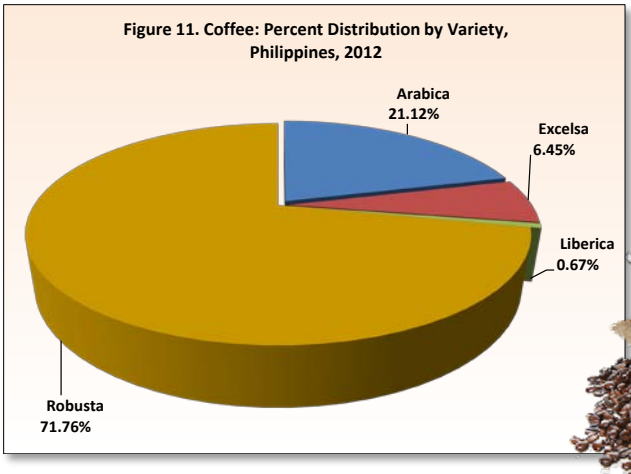
COFFEE

Throughout the period 2008-2012, coffee production went down by an average annual rate of 2.25 percent (Figure 1). In 2012, coffee production was estimated at 88.94 thousand mt which was 0.47 percent more than the 2011 production of 88.53 thousand mt. The increasing production was attributed to the recovery of coffee trees from the adverse effects of El Niño in 2010. Area planted and number of bearing trees contracted annually by average rate of 0.67 percent and 0.66 percent, respectively (Figure 9).





SOCCSKSARGEN was the top coffee producer in 2012 with 31.33 percent contribution to the country's coffee production. The second top producer was Davao Region with 21.31percent share in the national production, followed by ARMM, CALABARZON, Western Visayas, and CAR (Figure 10).



Of the coffee varieties, Robusta had the highest share of 71.76 percent in the total production of all varieties (Figure 11).

Table 4.5 COFFEE: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**97,428**	**96,433**	**94,536**	**88,526**	**88,943**
CAR	5,950	5,700	5,608	5,627	5,673
Ilocos Region	98	105	107	94	85
Cagayan Valley	1,080	1,099	1,040	1,012	813
Central Luzon	1,673	1,706	1,768	1,699	1,699
CALABARZON	9,132	9,084	8,764	5,550	8,568
MIMAROPA	207	202	204	200	194
Bicol Region	339	335	336	327	331
Western Visayas	5,734	5,902	5,625	5,916	5,695
Central Visayas	295	251	213	234	239
Eastern Visayas	247	227	212	201	193
Zamboanga Peninsula	1,314	1,263	1,202	1,023	993
Northern Mindanao	6,203	6,016	5,957	5,858	5,225
Davao Region	24,066	23,632	22,682	20,465	18,950
SOCCSKSARGEN	27,022	27,554	27,761	27,423	27,869
Caraga	3,147	2,619	2,252	2,008	1,787
ARMM	10,922	10,737	10,803	10,890	10,629
Area (ha)					
PHILIPPINES	**123,269**	**122,645**	**121,399**	**119,637** R/	**119,999**
CAR	7,270	6,980	6,866	6,720	6,716
Ilocos Region	120	120	118	119	121
Cagayan Valley	2,863	2,873	2,872	2,578	2,522
Central Luzon	1,897	1,887	1,887	1,892	1,892
CALABARZON	14,650	14,306	14,352	13,599	13,563
MIMAROPA	935	911	883	855	840
Bicol Region	867	838	838	815	814
Western Visayas	10,133	10,106	9,956	9,961	9,957
Central Visayas	1,255	1,396	1,546	1,784	1,890
Eastern Visayas	411	379	351	346	315
Zamboanga Peninsula	1,406	1,332	1,304	1,080	1,029
Northern Mindanao	13,137	13,083	11,629	11,633	11,838
Davao Region	26,633	26,624	25,847	25,371	25,166
SOCCSKSARGEN	23,919	24,038	25,171	25,117	25,223
Caraga	4,047	4,039	4,045	4,019 R/	4,368
ARMM	13,725	13,734	13,735	13,749	13,746
Yield Per Hectare (mt)					
PHILIPPINES	**0.79**	**0.79**	**0.78**	**0.74**	**0.74**
CAR	0.82	0.82	0.82	0.84	0.84
Ilocos Region	0.81	0.88	0.90	0.80	0.71
Cagayan Valley	0.38	0.38	0.36	0.39	0.32
Central Luzon	0.88	0.90	0.94	0.90	0.90
CALABARZON	0.62	0.64	0.61	0.41	0.63
MIMAROPA	0.22	0.22	0.23	0.23	0.23
Bicol Region	0.39	0.40	0.40	0.40	0.41
Western Visayas	0.57	0.58	0.56	0.59	0.57
Central Visayas	0.24	0.18	0.14	0.13	0.13
Eastern Visayas	0.60	0.60	0.60	0.58	0.61
Zamboanga Peninsula	0.93	0.95	0.92	0.95	0.97
Northern Mindanao	0.47	0.46	0.51	0.50	0.44
Davao Region	0.90	0.89	0.88	0.81	0.75
SOCCSKSARGEN	1.13	1.15	1.10	1.09	1.10
Caraga	0.78	0.65	0.56	0.50	0.41
ARMM	0.80	0.78	0.79	0.79	0.77

R/ - Revised

Table 4.5a COFFEE: NUMBER OF BEARING TREES, PLANTING DENSITY, AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
BEARING TREES (no.)					
PHILIPPINES	**85,757,726**	**85,064,363**	**84,544,625**	**83,168,310** R/	**83,513,674**
CAR	4,620,760	4,510,660	4,499,950	4,467,016	4,483,005
Ilocos Region	68,105	70,194	70,015	69,657	76,783
Cagayan Valley	1,846,870	1,849,283	1,846,320	1,658,550	1,605,705
Central Luzon	1,271,276	1,264,658	1,280,022	1,261,661	1,265,606
CALABARZON	10,593,632	10,480,626	10,735,362	10,497,412	10,448,416
MIMAROPA	352,084	348,872	339,355	323,802	320,066
Bicol Region	610,565	594,507	594,707	581,731	580,757
Western Visayas	6,058,031	6,045,456	5,960,966	5,955,631	5,953,767
Central Visayas	1,047,892	1,049,884	1,048,056	1,046,685	1,045,432
Eastern Visayas	212,289	204,359	188,102	183,757	171,301
Zamboanga Peninsula	810,694	797,819	811,279	649,836	634,909
Northern Mindanao	6,833,177	6,810,199	5,973,193	5,972,629	5,972,724
Davao Region	21,856,136	21,843,516	21,836,331	21,148,996	20,723,895
SOCCSKSARGEN	18,278,494	17,898,061	18,071,950	18,057,010	18,092,761
Caraga	2,583,055	2,575,250	2,566,125	2,578,050 R/	3,419,730
ARMM	8,714,666	8,721,019	8,722,892	8,715,887	8,718,817
PLANTING DENSITY (Btrees/ha)					
PHILIPPINES	**696**	**694**	**696**	**695**	**696**
CAR	636	646	655	665	668
Ilocos Region	565	587	594	587	634
Cagayan Valley	645	644	643	643	637
Central Luzon	670	670	678	667	669
CALABARZON	723	733	748	772	770
MIMAROPA	377	383	384	379	381
Bicol Region	704	709	710	714	713
Western Visayas	598	598	599	598	598
Central Visayas	835	752	678	587	553
Eastern Visayas	517	540	536	531	544
Zamboanga Peninsula	576	599	622	602	617
Northern Mindanao	520	521	514	513	505
Davao Region	821	820	845	834	823
SOCCSKSARGEN	764	745	718	719	717
Caraga	638	638	634	641 R/	783
ARMM	635	635	635	634	634
YIELD PER BEARING TREE (kg)					
PHILIPPINES	**1.14**	**1.13**	**1.12**	**1.06**	**1.07**
CAR	1.29	1.26	1.25	1.26	1.27
Ilocos Region	1.43	1.50	1.52	1.35	1.11
Cagayan Valley	0.58	0.59	0.56	0.61	0.51
Central Luzon	1.32	1.35	1.38	1.35	1.34
CALABARZON	0.86	0.87	0.82	0.53	0.82
MIMAROPA	0.59	0.58	0.60	0.62	0.61
Bicol Region	0.56	0.56	0.57	0.56	0.57
Western Visayas	0.95	0.98	0.94	0.99	0.96
Central Visayas	0.28	0.24	0.20	0.22	0.23
Eastern Visayas	1.16	1.11	1.13	1.10	1.13
Zamboanga Peninsula	1.62	1.58	1.48	1.57	1.56
Northern Mindanao	0.91	0.88	1.00	0.98	0.87
Davao Region	1.10	1.08	1.04	0.97	0.91
SOCCSKSARGEN	1.48	1.54	1.54	1.52	1.54
Caraga	1.22	1.02	0.88	0.78 R/	0.52
ARMM	1.25	1.23	1.24	1.25	1.22

R/ - Revised

Table 4.5.1 ARABICA COFFEE: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**19,677**	**19,655**	**19,421**	**19,002**	**18,783**
CAR	535	548	550	550	555
Ilocos Region	33	37	38	30	25
Cagayan Valley	216	222	210	201	150
Central Luzon	6	6	6	5	5
CALABARZON	91	85	76	69	69
MIMAROPA	7	6	6	5	5
Bicol Region	75	76	75	73	74
Western Visayas	913	947	885	928	879
Central Visayas	37	36	23	25	23
Eastern Visayas	71	68	65	62	58
Zamboanga Peninsula	594	546	507	429	421
Northern Mindanao	395	393	386	381	378
Davao Region	3,152	3,138	3,004	2,799	2,691
SOCCSKSARGEN	11,804	11,831	11,841	11,713	11,767
Caraga	3	2	2		
ARMM	1,745	1,715	1,746	1,731	1,682
Area (ha)					
PHILIPPINES	**19,977**	**19,862**	**19,622**	**19,369**	**19,369**
CAR	578	574	585	594	618
Ilocos Region	24	24	23	23	24
Cagayan Valley	570	573	573	526	528
Central Luzon	263	263	263	263	263
CALABARZON	143	138	131	117	111
MIMAROPA	70	61	44	36	31
Bicol Region	272	266	266	264	263
Western Visayas	1,827	1,821	1,792	1,792	1,792
Central Visayas	511	505	491	489	489
Eastern Visayas	128	121	113	111	105
Zamboanga Peninsula	557	530	522	390	369
Northern Mindanao	607	605	604	607	614
Davao Region	4,007	4,004	3,854	3,814	3,765
SOCCSKSARGEN	8,610	8,562	8,547	8,536	8,593
Caraga	3	3	2	2	
ARMM	1,807	1,812	1,812	1,805	1,804
Yield Per Hectare (mt)					
PHILIPPINES	**0.98**	**0.99**	**0.99**	**0.98**	**0.97**
CAR	0.93	0.95	0.94	0.93	0.90
Ilocos Region	1.38	1.57	1.64	1.30	1.02
Cagayan Valley	0.38	0.39	0.37	0.38	0.28
Central Luzon	0.02	0.02	0.02	0.02	0.02
CALABARZON	0.63	0.61	0.58	0.59	0.62
MIMAROPA	0.10	0.10	0.13	0.15	0.17
Bicol Region	0.28	0.28	0.28	0.28	0.28
Western Visayas	0.50	0.52	0.49	0.52	0.49
Central Visayas	0.07	0.07	0.05	0.05	0.05
Eastern Visayas	0.56	0.57	0.57	0.56	0.55
Zamboanga Peninsula	1.07	1.03	0.97	1.10	1.14
Northern Mindanao	0.65	0.65	0.64	0.63	0.62
Davao Region	0.79	0.78	0.78	0.73	0.71
SOCCSKSARGEN	1.37	1.38	1.39	1.37	1.37
Caraga	1.10	0.70	0.75		
ARMM	0.97	0.95	0.96	0.96	0.93

Table 4.5.1a ARABICA COFFEE: NUMBER OF BEARING TREES, PLANTING DENSITY AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
BEARING TREES (no.)					
PHILIPPINES	**13,957,631**	**13,908,200**	**13,999,774**	**13,728,806**	**13,684,182**
CAR	406,967	403,577	424,261	427,906	446,778
Ilocos Region	18,354	18,708	19,044	19,099	19,177
Cagayan Valley	368,555	369,155	368,555	338,791	337,044
Central Luzon	159,930	159,996	160,049	159,966	159,979
CALABARZON	81,500	79,021	76,173	71,805	68,641
MIMAROPA	26,130	22,497	18,645	15,370	13,906
Bicol Region	201,611	198,080	198,180	197,142	196,159
Western Visayas	858,451	856,396	841,615	841,528	841,468
Central Visayas	388,570	383,945	381,644	380,493	380,393
Eastern Visayas	58,090	56,329	53,086	51,265	47,362
Zamboanga Peninsula	343,531	340,441	345,401	239,973	234,426
Northern Mindanao	303,217	302,799	302,496	303,957	303,757
Davao Region	3,094,661	3,091,950	3,091,192	2,966,600	2,927,821
SOCCSKSARGEN	6,155,168	6,128,558	6,222,257	6,231,125	6,224,025
Caraga	2,225	2,200	1,800	1,500	
ARMM	1,490,671	1,494,548	1,495,376	1,482,286	1,483,246
PLANTING DENSITY (Btrees/ha)					
PHILIPPINES	**699**	**700**	**713**	**709**	**706**
CAR	704	703	725	720	723
Ilocos Region	763	793	821	820	786
Cagayan Valley	647	644	643	644	638
Central Luzon	608	608	609	608	608
CALABARZON	570	573	581	614	618
MIMAROPA	374	370	425	429	449
Bicol Region	741	745	745	747	746
Western Visayas	470	470	470	470	470
Central Visayas	760	760	777	778	778
Eastern Visayas	455	466	469	463	451
Zamboanga Peninsula	616	642	661	615	635
Northern Mindanao	500	500	501	501	495
Davao Region	772	772	802	778	778
SOCCSKSARGEN	715	716	728	730	724
Caraga	742	733	900	750	
ARMM	825	825	825	821	822
YIELD PER BEARING TREE (kg)					
PHILIPPINES	**1.41**	**1.41**	**1.39**	**1.38**	**1.37**
CAR	1.32	1.36	1.30	1.28	1.24
Ilocos Region	1.81	1.98	1.99	1.59	1.29
Cagayan Valley	0.59	0.60	0.57	0.59	0.45
Central Luzon	0.03	0.04	0.04	0.03	0.03
CALABARZON	1.11	1.07	1.00	0.97	1.01
MIMAROPA	0.26	0.28	0.31	0.36	0.38
Bicol Region	0.37	0.38	0.38	0.37	0.38
Western Visayas	1.06	1.11	1.05	1.10	1.04
Central Visayas	0.09	0.09	0.06	0.07	0.06
Eastern Visayas	1.23	1.22	1.22	1.20	1.23
Zamboanga Peninsula	1.73	1.60	1.47	1.79	1.80
Northern Mindanao	1.30	1.30	1.28	1.25	1.25
Davao Region	1.02	1.01	0.97	0.94	0.92
SOCCSKSARGEN	1.92	1.93	1.90	1.88	1.89
Caraga	1.48	0.95	0.83		
ARMM	1.17	1.15	1.17	1.17	1.13

Table 4.5.2 EXCELSA COFFEE: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**6,763**	**6,572**	**6,354**	**5,916**	**5,737**
CAR	90	87	85	86	88
Ilocos Region	17	19	19	17	16
Cagayan Valley	164	167	155	153	120
Central Luzon	42	39	41	41	38
CALABARZON	939	926	891	725	816
MIMAROPA	44	43	44	42	39
Bicol Region	1	1	1	1	1
Western Visayas	2	2	2	2	2
Central Visayas	0.01	0.01	0.01		
Eastern Visayas	49	47	43	42	40
Zamboanga Peninsula	162	152	143	125	117
Northern Mindanao	372	354	354	349	346
Davao Region	2,525	2,519	2,433	2,236	2,062
SOCCSKSARGEN	529	630	594	575	599
Caraga	310	116	61	30	22
ARMM	1,516	1,469	1,489	1,492	1,429
Area (ha)					
PHILIPPINES	**10,176**	**9,687**	**9,576**	**9,115** R/	**8,916**
CAR	191	190	190	223	221
Ilocos Region	18	18	18	19	19
Cagayan Valley	371	372	372	271	261
Central Luzon	63	53	53	53	53
CALABARZON	2,924	2,693	2,713	2,426	2,406
MIMAROPA	159	153	148	136	127
Bicol Region	2	1	1	1	1
Western Visayas	10	10	11	11	11
Central Visayas	1	1	1	1	1
Eastern Visayas	121	113	101	100	90
Zamboanga Peninsula	208	187	175	160	146
Northern Mindanao	817	767	767	767	767
Davao Region	2,426	2,424	2,343	2,316	2,217
SOCCSKSARGEN	1,124	969	953	913	914
Caraga	192	184	178	156 R/	122
ARMM	1,549	1,552	1,552	1,561	1,560
Yield Per Hectare (mt)					
PHILIPPINES	**0.66**	**0.68**	**0.66**	**0.65**	**0.64**
CAR	0.47	0.46	0.45	0.39	0.40
Ilocos Region	0.94	1.04	1.04	0.92	0.86
Cagayan Valley	0.44	0.45	0.42	0.56	0.46
Central Luzon	0.67	0.74	0.77	0.77	0.72
CALABARZON	0.32	0.34	0.33	0.30	0.34
MIMAROPA	0.28	0.28	0.30	0.31	0.31
Bicol Region	0.66	1.28	1.29	1.25	1.21
Western Visayas	0.20	0.20	0.14	0.14	0.14
Central Visayas	0.01	0.01	0.01		
Eastern Visayas	0.41	0.42	0.42	0.42	0.45
Zamboanga Peninsula	0.78	0.81	0.82	0.78	0.80
Northern Mindanao	0.46	0.46	0.46	0.45	0.45
Davao Region	1.04	1.04	1.04	0.97	0.93
SOCCSKSARGEN	0.47	0.65	0.62	0.63	0.66
Caraga	1.62	0.63	0.34	0.20 R/	1.81
ARMM	0.98	0.95	0.96	0.96	0.92

R/ - Revised

Table 4.5.2a EXCELSA COFFEE: NUMBER OF BEARING TREES, PLANTING DENSITY AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
BEARING TREES (no.)					
PHILIPPINES	**6,239,477**	**5,959,635**	**5,897,929**	**5,631,268**	**5,394,460**
CAR	89,151	87,813	87,580	98,346	98,173
Ilocos Region	11,205	12,078	12,202	12,337	14,337
Cagayan Valley	237,915	238,428	237,915	174,311	165,881
Central Luzon	51,530	40,058	38,186	38,118	35,476
CALABARZON	1,048,000	967,788	943,899	862,892	823,450
MIMAROPA	70,630	65,145	62,618	55,185	52,395
Bicol Region	888	444	444	444	444
Western Visayas	3,413	3,160	3,039	3,018	2,918
Central Visayas	435	430	424	342	169
Eastern Visayas	51,221	49,883	45,081	43,222	40,923
Zamboanga Peninsula	89,917	83,354	81,514	73,510	71,105
Northern Mindanao	445,440	411,610	411,610	411,610	411,610
Davao Region	1,851,458	1,849,219	1,846,790	1,762,018	1,684,069
SOCCSKSARGEN	923,700	791,560	773,872	748,040	740,820
Caraga	187,650	180,000	173,545	166,500	71,345
ARMM	1,176,924	1,178,665	1,179,210	1,181,375	1,181,345
PLANTING DENSITY (Btrees/ha)					
PHILIPPINES	**613**	**615**	**616**	**618**	**605**
CAR	467	462	461	441	444
Ilocos Region	623	671	678	660	767
Cagayan Valley	641	641	640	642	634
Central Luzon	818	756	720	719	669
CALABARZON	358	359	348	356	342
MIMAROPA	444	426	425	406	413
Bicol Region	444	444	444	444	444
Western Visayas	328	304	267	272	263
Central Visayas	435	430	424	342	338
Eastern Visayas	423	441	446	432	454
Zamboanga Peninsula	432	446	466	459	487
Northern Mindanao	545	537	537	537	537
Davao Region	763	763	788	761	760
SOCCSKSARGEN	822	817	812	819	811
Caraga	977	978	975	1,067	585
ARMM	760	759	760	757	757
YIELD PER BEARING TREE (kg)					
PHILIPPINES	**1.08**	**1.10**	**1.08**	**1.05**	**1.06**
CAR	1.01	0.99	0.97	0.88	0.90
Ilocos Region	1.51	1.56	1.53	1.39	1.12
Cagayan Valley	0.69	0.70	0.65	0.88	0.72
Central Luzon	0.82	0.98	1.08	1.06	1.07
CALABARZON	0.90	0.96	0.94	0.84	0.99
MIMAROPA	0.63	0.65	0.71	0.75	0.74
Bicol Region	1.48	2.88	2.91	2.82	2.73
Western Visayas	0.62	0.64	0.53	0.51	0.52
Central Visayas	0.02	0.02	0.01		
Eastern Visayas	0.97	0.95	0.95	0.97	0.99
Zamboanga Peninsula	1.80	1.82	1.76	1.70	1.64
Northern Mindanao	0.84	0.86	0.86	0.85	0.84
Davao Region	1.36	1.36	1.32	1.27	1.22
SOCCSKSARGEN	0.57	0.80	0.77	0.77	0.81
Caraga	1.65	0.65	0.35	0.18	0.31
ARMM	1.29	1.25	1.26	1.26	1.21

Table 4.5.3 LIBERICA COFFEE: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**666**	**652**	**633**	**630**	**598**
CAR	18	17	18	17	17
Ilocos Region					
Cagayan Valley	11	11	10	8	7
Central Luzon	3	3	3	3	3
CALABARZON	146	136	129	112	114
MIMAROPA	42	38	33	30	25
Bicol Region	5	4	5	4	4
Western Visayas	168	173	156	166	161
Central Visayas	11	11	9	9	1
Eastern Visayas	14	14	13	13	13
Zamboanga Peninsula	9	7	6	5	4
Northern Mindanao					
Davao Region	86	86	83	84	83
SOCCSKSARGEN	3	2	2	2	2
Caraga	3	2	1		
ARMM	147	147	165	176	163
Area (ha)					
PHILIPPINES	**1,492**	**1,444**	**1,410**	**1,378**	**1,360**
CAR	16	16	16	16	16
Ilocos Region					
Cagayan Valley	36	39	38	30	33
Central Luzon	2	2	2	2	2
CALABARZON	236	208	205	201	198
MIMAROPA	142	133	125	115	105
Bicol Region	10	8	8	8	8
Western Visayas	295	291	271	271	271
Central Visayas	40	38	38	30	25
Eastern Visayas	19	17	16	15	13
Zamboanga Peninsula	24	21	19	17	17
Northern Mindanao					
Davao Region	72	72	72	70	70
SOCCSKSARGEN	3	2	2	2	2
Caraga	2	2	2	1	
ARMM	595	595	595	600	600
Yield Per Hectare (mt)					
PHILIPPINES	**0.45**	**0.45**	**0.45**	**0.46**	**0.44**
CAR	1.11	1.09	1.10	1.08	1.06
Ilocos Region					
Cagayan Valley	0.30	0.29	0.26	0.28	0.21
Central Luzon	1.62	1.68	1.73	1.65	1.60
CALABARZON	0.62	0.66	0.63	0.55	0.57
MIMAROPA	0.30	0.28	0.27	0.26	0.23
Bicol Region	0.46	0.56	0.58	0.54	0.53
Western Visayas	0.57	0.59	0.58	0.61	0.60
Central Visayas	0.28	0.28	0.23	0.30	0.05
Eastern Visayas	0.75	0.81	0.83	0.86	0.97
Zamboanga Peninsula	0.39	0.32	0.30	0.27	0.26
Northern Mindanao					
Davao Region	1.20	1.20	1.16	1.19	1.19
SOCCSKSARGEN	0.92	1.13	0.98	1.15	1.22
Caraga	1.58	0.84	0.50		
ARMM	0.25	0.25	0.28	0.29	0.27

Table 4.5.3a LIBERICA COFFEE: NUMBER OF BEARING TREES, PLANTING DENSITY AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
BEARING TREES (no.)					
PHILIPPINES	**980,529**	**951,038**	**933,034**	**911,290**	**902,697**
CAR	14,590	13,468	12,938	12,950	12,950
Ilocos Region					
Cagayan Valley	24,165	24,765	23,615	18,611	18,978
Central Luzon	1,616	1,647	1,693	1,658	1,665
CALABARZON	101,302	82,621	81,550	75,535	73,044
MIMAROPA	59,187	56,575	53,252	48,565	44,016
Bicol Region	4,970	3,976	3,976	3,976	3,970
Western Visayas	163,579	161,913	150,806	150,806	150,806
Central Visayas	21,500	19,000	18,980	15,000	12,500
Eastern Visayas	5,925	5,897	5,580	5,231	4,750
Zamboanga Peninsula	7,011	5,390	4,930	5,040	4,850
Northern Mindanao					
Davao Region	70,750	70,750	70,750	68,518	68,518
SOCCSKSARGEN	2,300	1,532	1,530	1,350	1,200
Caraga	1,480	1,350	1,280	600	
ARMM	502,154	502,154	502,154	503,450	505,450
PLANTING DENSITY (Btrees/ha)					
PHILIPPINES	**657**	**659**	**662**	**661**	**664**
CAR	912	842	809	809	809
Ilocos Region					
Cagayan Valley	671	635	621	619	574
Central Luzon	808	824	847	829	833
CALABARZON	429	397	398	376	369
MIMAROPA	418	425	425	422	419
Bicol Region	497	497	497	497	496
Western Visayas	555	556	556	556	556
Central Visayas	538	500	499	500	500
Eastern Visayas	312	347	349	349	365
Zamboanga Peninsula	292	254	257	293	285
Northern Mindanao					
Davao Region	983	983	983	979	979
SOCCSKSARGEN	767	766	765	675	600
Caraga	740	675	640	600	
ARMM	844	844	844	839	842
YIELD PER BEARING TREE (kg)					
PHILIPPINES	**0.68**	**0.69**	**0.68**	**0.69**	**0.66**
CAR	1.21	1.30	1.36	1.33	1.31
Ilocos Region					
Cagayan Valley	0.45	0.46	0.42	0.46	0.37
Central Luzon	2.00	2.03	2.04	1.99	1.92
CALABARZON	1.44	1.65	1.59	1.48	1.56
MIMAROPA	0.71	0.67	0.63	0.63	0.56
Bicol Region	0.92	1.13	1.16	1.09	1.07
Western Visayas	1.03	1.07	1.04	1.10	1.07
Central Visayas	0.52	0.56	0.47	0.61	0.11
Eastern Visayas	2.41	2.33	2.37	2.45	2.65
Zamboanga Peninsula	1.33	1.26	1.18	0.92	0.92
Northern Mindanao					
Davao Region	1.22	1.22	1.18	1.22	1.22
SOCCSKSARGEN	1.20	1.48	1.28	1.70	2.03
Caraga	2.13	1.24	0.78		
ARMM	0.29	0.29	0.33	0.35	0.32

Table 4.5.4 ROBUSTA COFFEE: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**70,118**	**69,357**	**67,933**	**62,978**	**63,825**
CAR	5,114	4,862	4,772	4,974	5,013
Ilocos Region	47	49	50	47	45
Cagayan Valley	689	699	665	650	536
Central Luzon	1,622	1,658	1,718	1,649	1,653
CALABARZON	7,957	7,937	7,668	4,643	7,569
MIMAROPA	110	111	116	122	125
Bicol Region	258	253	255	249	252
Western Visayas	4,650	4,780	4,583	4,820	4,653
Central Visayas	247	204	181	200	215
Eastern Visayas	107	93	87	85	82
Zamboanga Peninsula	548	559	546	464	451
Northern Mindanao	5,435	5,267	5,214	5,128	4,501
Davao Region	18,303	17,888	17,162	15,347	14,114
SOCCSKSARGEN	14,686	15,091	15,325	15,134	15,499
Caraga	2,830	2,499	2,188	1,977	1,765
ARMM	7,514	7,407	7,403	7,491	7,354
Area (ha)					
PHILIPPINES	**91,148**	**91,181**	**90,320**	**89,774**	**90,354**
CAR	6,055	5,770	5,645	5,887	5,861
Ilocos Region	78	78	77	77	78
Cagayan Valley	1,886	1,889	1,889	1,750	1,699
Central Luzon	1,569	1,569	1,569	1,574	1,574
CALABARZON	11,347	11,267	11,303	10,855	10,848
MIMAROPA	563	562	564	568	577
Bicol Region	583	563	563	542	542
Western Visayas	8,001	7,984	7,882	7,887	7,883
Central Visayas	703	852	1,016	1,264	1,376
Eastern Visayas	102	92	85	120	107
Zamboanga Peninsula	617	593	587	513	497
Northern Mindanao	11,710	11,708	10,255	10,259	10,457
Davao Region	20,128	20,124	19,578	19,171	19,114
SOCCSKSARGEN	14,182	14,505	15,669	15,666	15,714
Caraga	3,850	3,850	3,863	3,860	4,246
ARMM	9,774	9,775	9,776	9,782	9,782
Yield Per Hectare (mt)					
PHILIPPINES	**0.77**	**0.76**	**0.75**	**0.70**	**0.71**
CAR	0.84	0.84	0.85	0.84	0.86
Ilocos Region	0.60	0.63	0.65	0.61	0.57
Cagayan Valley	0.37	0.37	0.35	0.37	0.32
Central Luzon	1.03	1.06	1.09	1.05	1.05
CALABARZON	0.70	0.70	0.68	0.43	0.70
MIMAROPA	0.19	0.20	0.21	0.22	0.22
Bicol Region	0.44	0.45	0.45	0.46	0.46
Western Visayas	0.58	0.60	0.58	0.61	0.59
Central Visayas	0.35	0.24	0.18	0.16	0.16
Eastern Visayas	1.05	1.01	1.02	0.71	0.76
Zamboanga Peninsula	0.89	0.94	0.93	0.90	0.91
Northern Mindanao	0.46	0.45	0.51	0.50	0.43
Davao Region	0.91	0.89	0.88	0.80	0.74
SOCCSKSARGEN	1.04	1.04	0.98	0.97	0.99
Caraga	0.74	0.65	0.57	0.51	0.42
ARMM	0.77	0.76	0.76	0.77	0.75

Table 4.5.4a ROBUSTA COFFEE: NUMBER OF BEARING TREES, PLANTING DENSITY AND YIELD PER BEARING TREE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011		2012
BEARING TREES (no.)						
PHILIPPINES	**64,350,923**	**64,018,201**	**63,488,968**	**62,896,945**	R/	**63,532,335**
CAR	3,919,702	3,815,602	3,785,021	3,927,814		3,925,104
Ilocos Region	38,546	39,408	38,769	38,220		43,269
Cagayan Valley	1,216,235	1,216,935	1,216,235	1,126,837		1,083,802
Central Luzon	1,058,200	1,062,957	1,080,094	1,061,919		1,068,486
CALABARZON	9,362,830	9,351,196	9,633,740	9,487,180		9,483,281
MIMAROPA	194,487	203,005	203,190	204,682		209,749
Bicol Region	403,096	392,007	392,107	380,169		380,184
Western Visayas	5,032,588	5,023,987	4,965,506	4,960,279		4,958,575
Central Visayas	637,387	646,509	647,008	650,850		652,370
Eastern Visayas	61,567	58,491	52,915	84,039		78,266
Zamboanga Peninsula	370,235	368,634	379,434	331,313		324,528
Northern Mindanao	6,082,840	6,094,110	5,257,407	5,257,062		5,257,357
Davao Region	16,839,267	16,831,597	16,827,599	16,351,860		16,043,487
SOCCSKSARGEN	11,197,326	10,976,411	11,074,291	11,076,495		11,126,716
Caraga	2,391,700	2,391,700	2,389,500	2,409,450	R/	3,348,385
ARMM	5,544,917	5,545,652	5,546,152	5,548,776		5,548,776
PLANTING DENSITY (Btrees/ha)						
PHILIPPINES	**706**	**702**	**703**	**701**		**703**
CAR	647	661	671	667		670
Ilocos Region	492	506	505	499		555
Cagayan Valley	645	644	644	644		638
Central Luzon	674	677	688	675		679
CALABARZON	825	830	852	874		874
MIMAROPA	346	361	360	360		364
Bicol Region	691	696	696	701		701
Western Visayas	629	629	630	629		629
Central Visayas	907	759	637	515		474
Eastern Visayas	604	636	622	700		731
Zamboanga Peninsula	600	622	646	646		653
Northern Mindanao	519	521	513	512		503
Davao Region	837	836	860	853		839
SOCCSKSARGEN	790	757	707	707		708
Caraga	621	621	619	624	R/	789
ARMM	567	567	567	567		567
YIELD PER BEARING TREE (kg)						
PHILIPPINES	**1.09**	**1.08**	**1.07**	**1.00**		**1.00**
CAR	1.30	1.27	1.26	1.27		1.28
Ilocos Region	1.23	1.25	1.29	1.23		1.03
Cagayan Valley	0.57	0.57	0.55	0.58		0.49
Central Luzon	1.53	1.56	1.59	1.55		1.55
CALABARZON	0.85	0.85	0.80	0.49		0.80
MIMAROPA	0.56	0.54	0.57	0.60		0.60
Bicol Region	0.64	0.65	0.65	0.65		0.66
Western Visayas	0.92	0.95	0.92	0.97		0.94
Central Visayas	0.39	0.32	0.28	0.31		0.33
Eastern Visayas	1.73	1.59	1.65	1.01		1.04
Zamboanga Peninsula	1.48	1.52	1.44	1.40		1.39
Northern Mindanao	0.89	0.86	0.99	0.98		0.86
Davao Region	1.09	1.06	1.02	0.94		0.88
SOCCSKSARGEN	1.31	1.37	1.38	1.37		1.39
Caraga	1.18	1.04	0.92	0.82	R/	0.53
ARMM	1.36	1.34	1.33	1.35		1.33

R/ - Revised

COTTON

Cotton production in 2012 was registered at 0.08 thousand mt which was 49.80 percent lower than the 0.74 thousand mt in 2008. However, it was 121.83 percent higher than the 0.03 thousand mt of production in 2010 (Figure 1). The increase in output was attributed to the larger area harvested in Ilocos Norte and Negros Oriental.

Figure 12. Cotton: Production and Area Harvested, Philippines, 2008-2012

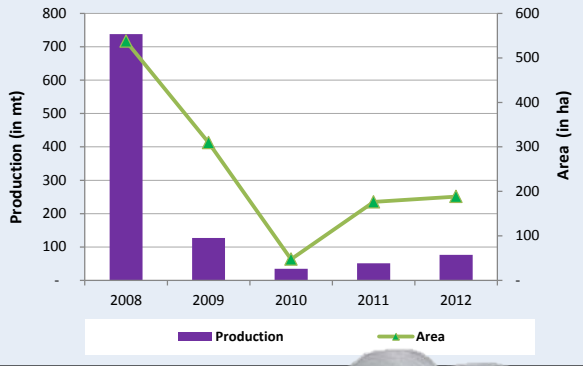
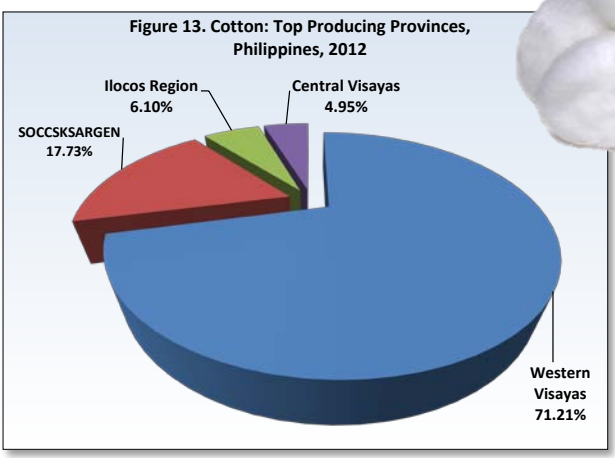


Figure 13. Cotton: Top Producing Provinces, Philippines, 2012



The top producing regions and their shares in the national output in 2012 were Western Visayas, 71.21 percent; SOCCSKSARGEN, 17.73 percent; Ilocos Region, 6.10 percent; and Central Visayas, 4.95 (Figure 12).

Over the period 2008 to 2012, production and area harvested of cotton were highest in 2008 at 0.74 thousand mt and 0.54 thousand hectares. From 2008 to 2012 production and area dropped significantly (Figure 13).

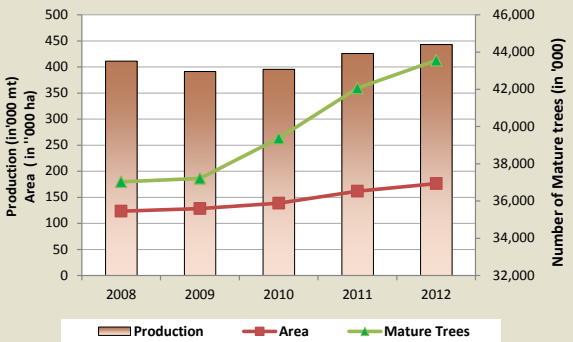
Table 4.6 COTTON: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**738**	**127**	**35**	**51**	**77**
CAR					
Ilocos Region	6	3	5	5	5
Cagayan Valley					
Central Luzon	2				
CALABARZON					
MIMAROPA					
Bicol Region					
Western Visayas	7	7	7	5	55
Central Visayas	72	55	23	42	4
Eastern Visayas					
Zamboanga Peninsula	17	7	0.17		
Northern Mindanao					
Davao Region					
SOCCSKSARGEN	588	56			14
Caraga					
ARMM	45				
Area (ha)					
PHILIPPINES	**538**	**310**	**48**	**176**	**188**
CAR					
Ilocos Region	4	3	4	3	4
Cagayan Valley					
Central Luzon	2				
CALABARZON					
MIMAROPA					
Bicol Region					
Western Visayas	24	14	8	4	120
Central Visayas	172	172	36	169	17
Eastern Visayas					
Zamboanga Peninsula	2	2	0.10		
Northern Mindanao					
Davao Region					
SOCCSKSARGEN	239	119			48
Caraga					
ARMM	94				
Yield Per Hectare (mt)					
PHILIPPINES	**1.37**	**0.41**	**0.73**	**0.29**	**0.41**
CAR					
Ilocos Region	1.36	1.06	1.29	1.36	1.27
Cagayan Valley					
Central Luzon	1.10				
CALABARZON					
MIMAROPA					
Bicol Region					
Western Visayas	0.31	0.47	0.86	1.13	0.46
Central Visayas	0.42	0.32	0.64	0.25	0.22
Eastern Visayas					
Zamboanga Peninsula	8.72	3.58	1.70		
Northern Mindanao					
Davao Region					
SOCCSKSARGEN	2.46	0.47			0.28
Caraga					
ARMM	0.48				

RUBBER

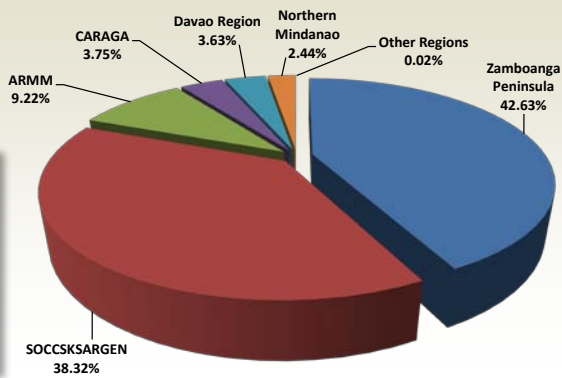
Rubber production rose from 411.04 thousand mt in 2008 to 443.00 thousand mt in 2012 or by average yearly rate of 1.89 percent (Figure 14). The 2012 output was also 4.06 percent higher than the 425.71 thousand mt production in 2011. The higher output was due to increased number of tappable trees in Palawan, Bukidnon and the producing provinces of Zamboanga Peninsula, Davao Region, SOCCSKSARGEN, Caraga, and ARMM.

Figure 14. Rubber: Production, Area and Number of Mature Trees, Philippines, 2008-2012



From 2008 to 2012, average annual gains were 9.35 percent in area planted and 4.14 percent in number of tappable trees.

Figure 15. Rubber: Top Producing Regions, Philippines, 2012



In 2012, the combined output of the top two (2) producing regions of Zamboanga Peninsula and SOCCSKSARGEN was 80.95 percent of the national rubber production (Figure 15). Their combined area and number of tappable trees accounted for 66.44 percent and 78.93 percent of the national totals, respectively.

Table 4.7 RUBBER: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

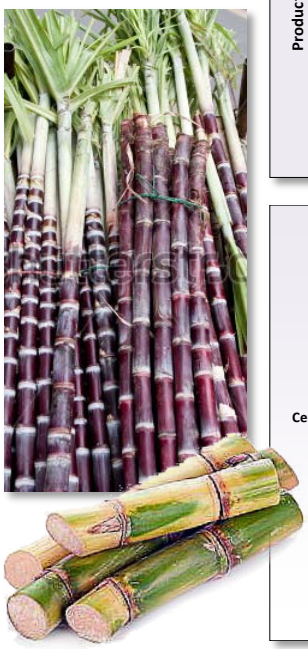
Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**411,044**	**390,962**	**395,237**	**425,705**	**442,998**
CAR					
Ilocos Region					
Cagayan Valley					
Central Luzon					
CALABARZON	13	15	12	27	35
MIMAROPA	16	20	24	37	42
Bicol Region					
Western Visayas					
Central Visayas					
Eastern Visayas					
Zamboanga Peninsula	173,715	164,830	171,126	188,934	188,855
Northern Mindanao	10,079	10,169	10,199	10,720	10,792
Davao Region	16,181	15,844	15,795	16,110	16,070
SOCCSKSARGEN	164,005	152,963	149,965	158,995	169,745
Caraga	15,540	14,686	14,619	15,248	16,611
ARMM	31,494	32,435	33,497	35,635	40,849
Area (ha)					
PHILIPPINES	**123,260**	**128,337**	**138,710**	**161,565**	**176,244**
CAR					27
Ilocos Region					
Cagayan Valley					
Central Luzon					
CALABARZON	227	227	227	221	221
MIMAROPA	50	400	616	616	742
Bicol Region					
Western Visayas					
Central Visayas	14	495	1,005	1,005	1,015
Eastern Visayas					
Zamboanga Peninsula	54,250	57,127	65,084	79,138	80,375
Northern Mindanao	4,567	4,567	4,567	6,847	6,851
Davao Region	6,267	6,411	6,409	6,622	6,693
SOCCSKSARGEN	31,195	31,235	31,927	35,681	36,713
Caraga	5,546	5,941	6,840	6,860	11,528
ARMM	21,144	21,934	22,034	24,575	32,079
Yield Per Hectare (mt)					
PHILIPPINES	**3.33**	**3.05**	**2.85**	**2.63**	**2.51**
CAR					
Ilocos Region					
Cagayan Valley					
Central Luzon					
CALABARZON	0.06	0.06	0.05	0.12	0.16
MIMAROPA	0.32	0.05	0.04	0.06	0.06
Bicol Region					
Western Visayas					
Central Visayas					
Eastern Visayas					
Zamboanga Peninsula	3.20	2.89	2.63	2.39	2.35
Northern Mindanao	2.21	2.23	2.23	1.57	1.58
Davao Region	2.58	2.47	2.46	2.43	2.40
SOCCSKSARGEN	5.26	4.90	4.70	4.46	4.62
Caraga	2.80	2.47	2.14	2.22	1.44
ARMM	1.49	1.48	1.52	1.45	1.27

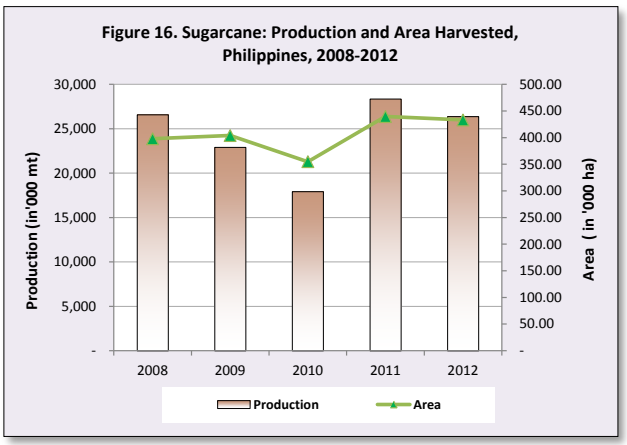
Table 4.7a RUBBER: NUMBER OF MATURE TREES, PLANTING DENSITY AND YIELD PER MATURE TREE, BY REGION, PHILIPPINES, 2008-2012

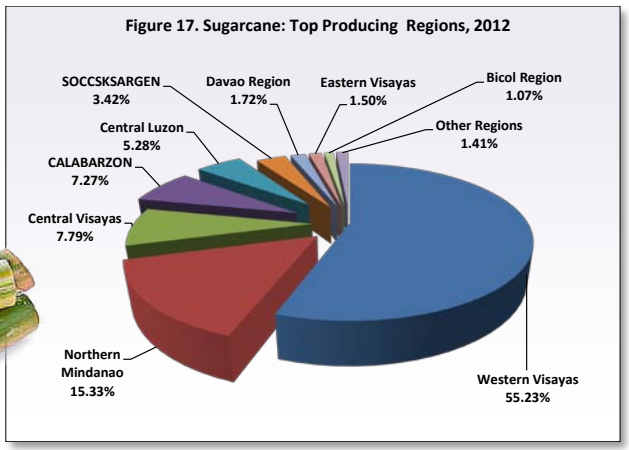
Region	2008	2009	2010	2011	2012
MATURE TREES (no.)					
PHILIPPINES	**37,030,656**	**37,212,359**	**39,369,228**	**42,063,221**	**43,550,204**
CAR					
Ilocos Region					
Cagayan Valley					
Central Luzon					
CALABARZON	50,650	51,580	51,380	51,200	51,300
MIMAROPA	32,500	33,100	35,300	43,800	45,120
Bicol Region					
Western Visayas					
Central Visayas					
Eastern Visayas					
Zamboanga Peninsula	17,129,782	17,180,770	18,667,792	20,673,805	20,723,502
Northern Mindanao	763,833	765,053	765,350	888,525	913,615
Davao Region	1,298,001	1,295,976	1,296,138	1,307,139	1,320,237
SOCCSKSARGEN	12,791,310	12,812,705	13,362,677	13,556,530	13,652,194
Caraga	2,466,225	2,466,525	2,487,175	2,485,625	2,912,359
ARMM	2,498,355	2,606,650	2,703,416	3,056,597	3,931,877
MATURE TREES/Ha					
PHILIPPINES	**300**	**290**	**284**	**260**	**247**
CAR					
Ilocos Region					
Cagayan Valley					
Central Luzon					
CALABARZON	224	227	226	232	232
MIMAROPA	650	83	57	71	61
Bicol Region					
Western Visayas					
Central Visayas					
Eastern Visayas					
Zamboanga Peninsula	316	301	287	261	258
Northern Mindanao	167	168	168	130	133
Davao Region	207	202	202	197	197
SOCCSKSARGEN	410	410	419	380	372
Caraga	445	415	364	362	253
ARMM	118	119	123	124	123
YIELD PER MATURE TREE (kg)					
PHILIPPINES	**11.10**	**10.51**	**10.04**	**10.12**	**10.17**
CAR					
Ilocos Region					
Cagayan Valley					
Central Luzon					
CALABARZON	0.26	0.29	0.24	0.53	0.68
MIMAROPA	0.49	0.60	0.69	0.84	0.93
Bicol Region					
Western Visayas					
Central Visayas					
Eastern Visayas					
Zamboanga Peninsula	10.14	9.59	9.17	9.14	9.11
Northern Mindanao	13.20	13.29	13.33	12.06	11.81
Davao Region	12.47	12.23	12.19	12.32	12.17
SOCCSKSARGEN	12.82	11.94	11.22	11.73	12.43
Caraga	6.30	5.95	5.88	6.13	5.70
ARMM	12.61	12.44	12.39	11.66	10.39

SUGARCANE

Sugarcane production registered an average annual decrease of 0.19 percent from 2008 to 2012 (Figure 16). It showed a fluctuating trend with the lowest record posted in 2010 and the highest in 2011. In 2012, production was 26.40 million mt, 6.98 percent lower than the 28.38 million mt output in 2011. The decrease in production was due to smaller canes harvested from ratooned crops in Iloilo. Less fertilizer usage in Batangas and North Cotabato and the early completion of harvesting and milling in Bukidnon also contributed for the output reduction.







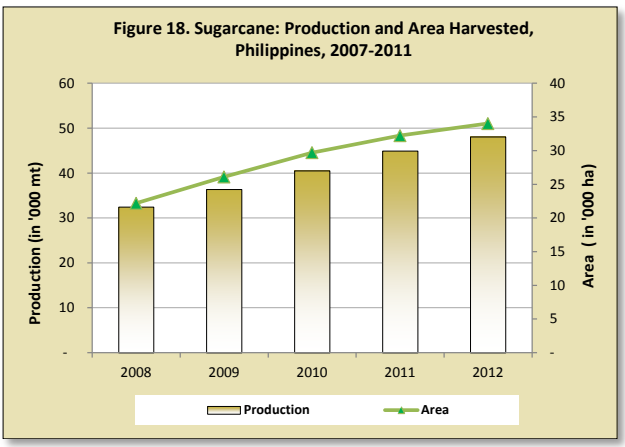
In 2012, Western Visayas was the largest producer sharing 14.58 million mt or 55.23 percent in the national sugarcane production (Figure 17). Also, the region had the largest area harvested of 214.34 thousand hectares which was 49.47 percent of the country's sugarcane area (Table 4.8).

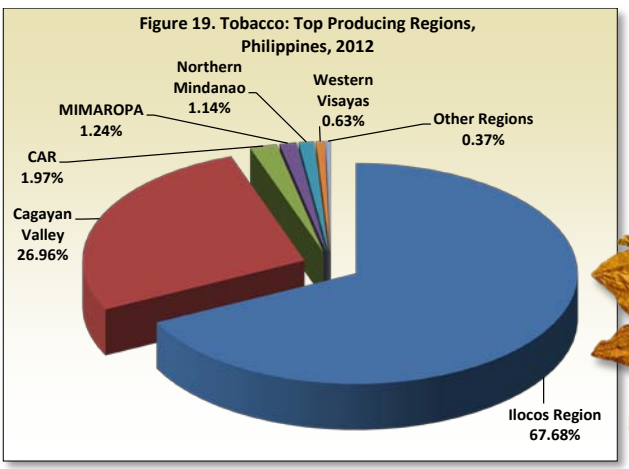
Table 4.8 SUGARCANE: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

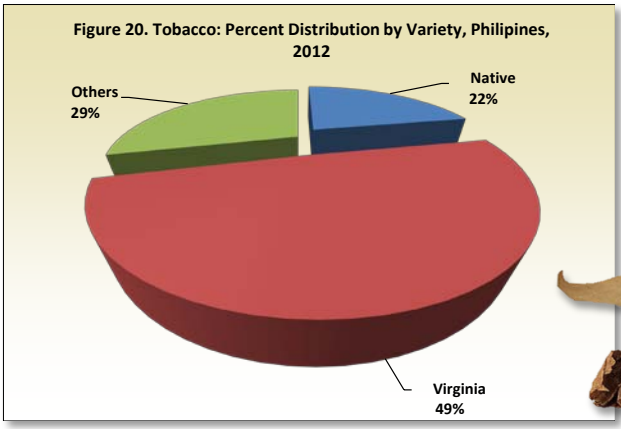
Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**26,601,384**	**22,932,819**	**17,929,269**	**28,376,518**	**26,395,893**
CAR	9,842	10,215	6,992	7,977	7,568
Ilocos Region	19,022	20,041	19,614	18,613	19,029
Cagayan Valley	263,371	202,232	181,546	176,322	251,784
Central Luzon	1,321,301	1,034,084	840,863	998,978	1,393,964
CALABARZON	2,457,833	1,791,746	1,665,807	2,132,415	1,918,858
MIMAROPA					
Bicol Region	319,989	246,343	224,001	306,049	282,047
Western Visayas	13,770,505	12,469,613	9,778,749	15,418,669	14,577,517
Central Visayas	2,905,399	2,035,675	1,497,817	2,516,978	2,055,411
Eastern Visayas	553,088	406,876	352,949	516,706	395,844
Zamboanga Peninsula	421	405	368	355	316
Northern Mindanao	3,421,408	3,493,130	2,549,197	4,870,725	4,045,379
Davao Region	574,492	524,686	256,802	535,122	453,209
SOCCSKSARGEN	926,417	653,062	505,692	821,513	902,178
Caraga	9	7	3	1	1
ARMM	58,285	44,704	48,871	56,095	92,791
Area (ha)					
PHILIPPINES	**397,991**	**404,034**	**354,878**	**439,698**	**433,301**
CAR	153	171	171	170	170
Ilocos Region	432	455	454	444	448
Cagayan Valley	7,496	6,361	5,796	5,480	6,397
Central Luzon	19,352	17,597	17,816	18,826	20,233
CALABARZON	33,716	33,911	29,136	33,495	31,553
MIMAROPA					
Bicol Region	6,880	6,042	5,523	6,181	6,060
Western Visayas	192,580	194,398	170,262	214,657	214,338
Central Visayas	46,283	46,817	41,884	44,074	42,749
Eastern Visayas	8,437	8,532	8,412	8,412	8,557
Zamboanga Peninsula	119	115	98	97	91
Northern Mindanao	57,170	64,028	55,297	82,700	76,373
Davao Region	10,097	11,197	7,332	11,317	9,598
SOCCSKSARGEN	14,325	13,508	11,726	12,942	15,238
Caraga	3	3	3	3	3
ARMM	949	899	968	901	1,494
Yield Per Hectare (mt)					
PHILIPPINES	**66.84**	**56.76**	**50.52**	**64.54**	**60.92**
CAR	64.33	59.74	40.89	46.92	44.52
Ilocos Region	44.03	44.07	43.25	41.93	42.46
Cagayan Valley	35.14	31.79	31.32	32.18	39.36
Central Luzon	68.28	58.76	47.20	53.06	68.89
CALABARZON	72.90	52.84	57.17	63.66	60.81
MIMAROPA					
Bicol Region	46.51	40.77	40.56	49.51	46.54
Western Visayas	71.51	64.14	57.43	71.83	68.01
Central Visayas	62.77	43.48	35.76	57.11	48.08
Eastern Visayas	65.55	47.69	41.96	61.42	46.26
Zamboanga Peninsula	3.55	3.53	3.75	3.65	3.48
Northern Mindanao	59.85	54.56	46.10	58.90	52.97
Davao Region	56.90	46.86	35.02	47.29	47.22
SOCCSKSARGEN	64.67	48.35	43.12	63.48	59.20
Caraga	2.69	2.27	1.10	0.32	0.29
ARMM	61.42	49.72	50.49	62.28	62.12

TOBACCO

From a low 32.47 thousand mt in 2008, tobacco production went up annually by an average of 10.31 percent. In 2012, it was 48.08 thousand mt (Figure 18). Area harvested to tobacco increased by an average of 11.29 percent annually. From 22.18 thousand hectares in 2008, area harvested rose to 34.03 thousand hectares in 2012. This was a result of the expansion in area planted to 34.03 thousand hectares in 2012 from 32.24 thousand hectares in 2011. Growers were motivated by the high price of dried tobacco leaves. The presence of financial assistance from private institutions such as Universal Leaf Philippines, Inc.; Philip Morris-Fortune Tobacco Corp.; and Lancaster Philippines, Inc. (LPI) in Ilocos Region; and Isabela Leaf Tobacco Co., Inc. in Isabela also bolstered tobacco production.







In 2012, Ilocos Region remained as the top tobacco producer and contributed 67.68 percent to the national production (Figure 19).

Virginia tobacco, the most preferred tobacco variety, accounted for 49.18 percent to the national output. Native variety shared 21.89 percent (Figure 20).

Table 4.9 TOBACCO: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**32,466**	**36,383**	**40,530**	**44,944**	**48,075**
CAR	912	929	941	926	949
Ilocos Region	23,590	24,341	27,325	30,171	32,538
Cagayan Valley	6,328	9,239	10,502	12,277	12,960
Central Luzon	25	202	195	168	29
CALABARZON					
MIMAROPA	553	578	563	622	597
Bicol Region	9	7	3		
Western Visayas	279	310	323	298	305
Central Visayas	19	18	16	11	9
Eastern Visayas	23	22	20	19	18
Zamboanga Peninsula	21	22	21	16	15
Northern Mindanao	528	560	481	311	547
Davao Region	24	23	22	20	19
SOCCSKSARGEN	60	57	54	50	46
Caraga	9	6	4	2	2
ARMM	85	70	61	54	41
Area (ha)					
PHILIPPINES	**22,182**	**26,104**	**29,707**	**32,235**	**34,025**
CAR	2,021	2,018	2,018	2,013	2,052
Ilocos Region	14,596	17,064	20,021	21,509	22,278
Cagayan Valley	4,389	5,758	6,595	7,716	8,403
Central Luzon	35	100	100	100	100
CALABARZON					
MIMAROPA	254	268	265	308	301
Bicol Region	12	7	4		
Western Visayas	172	185	184	182	181
Central Visayas	56	35	26	25	20
Eastern Visayas	50	48	29	26	24
Zamboanga Peninsula	34	33	30	28	23
Northern Mindanao	450	480	350	250	576
Davao Region	17	16	17	15	14
SOCCSKSARGEN	40	40	40	38	34
Caraga	10	7	6	6	5
ARMM	46	44	22	20	15
Yield Per Hectare (mt)					
PHILIPPINES	**1.46**	**1.39**	**1.36**	**1.39**	**1.41**
CAR	0.45	0.46	0.47	0.46	0.46
Ilocos Region	1.62	1.43	1.36	1.40	1.46
Cagayan Valley	1.44	1.60	1.59	1.59	1.54
Central Luzon	0.72	2.02	1.95	1.68	0.29
CALABARZON					
MIMAROPA	2.18	2.15	2.12	2.02	1.98
Bicol Region	0.75	0.97	0.69		
Western Visayas	1.62	1.68	1.76	1.64	1.69
Central Visayas	0.34	0.52	0.61	0.42	0.46
Eastern Visayas	0.46	0.46	0.70	0.74	0.76
Zamboanga Peninsula	0.63	0.66	0.71	0.57	0.66
Northern Mindanao	1.17	1.17	1.38	1.24	0.95
Davao Region	1.42	1.46	1.27	1.35	1.35
SOCCSKSARGEN	1.51	1.41	1.34	1.31	1.37
Caraga	0.93	0.84	0.74	0.27	0.31
ARMM	1.85	1.58	2.77	2.68	2.75

Table 4.9.1 NATIVE TOBACCO: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**10,047**	**10,416**	**10,765**	**11,546**	**10,525**
CAR	6	6	5	5	17
Ilocos Region	5,294	4,164	4,164	4,055	4,236
Cagayan Valley	3,688	5,150	5,590	6,704	5,270
Central Luzon					
CALABARZON					
MIMAROPA	3	3	3	2	2
Bicol Region	9	7	3		
Western Visayas	279	310	323	298	305
Central Visayas	18	17	14	10	9
Eastern Visayas	23	22	20	19	18
Zamboanga Peninsula	21	22	21	16	15
Northern Mindanao	528	560	481	311	546
Davao Region	24	23	22	20	19
SOCCSKSARGEN	60	57	54	50	46
Caraga	9	6	4	2	2
ARMM	85	70	61	54	41
Area (ha)					
PHILIPPINES	**6,969**	**6,684**	**7,143**	**7,965**	**7,723**
CAR	9	7	7	7	41
Ilocos Region	3,320	2,600	2,507	2,490	2,507
Cagayan Valley	2,750	3,180	3,918	4,877	4,284
Central Luzon					
CALABARZON					
MIMAROPA	4	3	3	3	2
Bicol Region	12	7	4		
Western Visayas	172	185	184	182	181
Central Visayas	55	34	25	24	19
Eastern Visayas	50	48	29	26	24
Zamboanga Peninsula	34	33	30	28	23
Northern Mindanao	450	480	350	250	575
Davao Region	17	16	17	15	14
SOCCSKSARGEN	40	40	40	38	34
Caraga	10	7	6	6	5
ARMM	46	44	22	20	15
Yield Per Hectare (mt)					
PHILIPPINES	**1.44**	**1.56**	**1.51**	**1.45**	**1.36**
CAR	0.63	0.79	0.71	0.72	0.42
Ilocos Region	1.59	1.60	1.66	1.63	1.69
Cagayan Valley	1.34	1.62	1.43	1.37	1.23
Central Luzon					
CALABARZON					
MIMAROPA	0.86	0.87	0.84	0.83	0.74
Bicol Region	0.75	0.97	0.69		
Western Visayas	1.62	1.68	1.76	1.64	1.69
Central Visayas	0.32	0.50	0.57	0.40	0.45
Eastern Visayas	0.46	0.46	0.70	0.74	0.76
Zamboanga Peninsula	0.63	0.66	0.71	0.57	0.66
Northern Mindanao	1.17	1.17	1.38	1.24	0.95
Davao Region	1.42	1.46	1.27	1.35	1.35
SOCCSKSARGEN	1.51	1.41	1.34	1.31	1.37
Caraga	0.93	0.84	0.74	0.27	0.31
ARMM	1.85	1.58	2.77	2.68	2.75

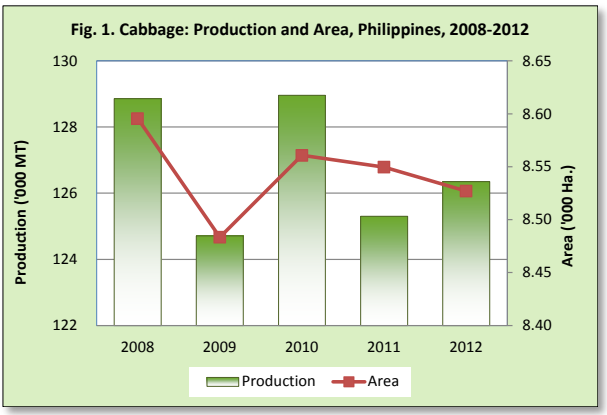
Table 4.9.2 VIRGINIA TOBACCO: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

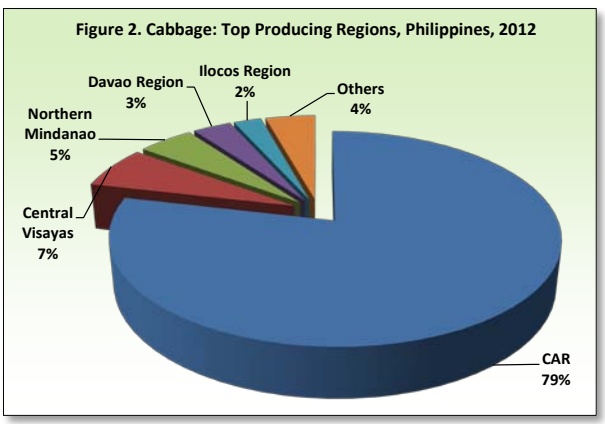
Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**15,125**	**16,578**	**18,839**	**21,447**	**23,644**
CAR	905	922	935	920	930
Ilocos Region	14,218	15,655	17,903	20,526	22,694
Cagayan Valley					19
Central Luzon					
CALABARZON					
MIMAROPA					
Bicol Region					
Western Visayas					
Central Visayas	2	1	2	1	1
Eastern Visayas					
Zamboanga Peninsula					
Northern Mindanao					1
Davao Region					
SOCCSKSARGEN					
Caraga					
ARMM					
Area (ha)					
PHILIPPINES	**11,457**	**14,502**	**17,392**	**18,731**	**19,508**
CAR	2,011	2,010	2,010	2,005	2,010
Ilocos Region	9,445	12,491	15,381	16,725	17,481
Cagayan Valley					15
Central Luzon					
CALABARZON					
MIMAROPA					
Bicol Region					
Western Visayas					
Central Visayas	1	1	1	1	1
Eastern Visayas					
Zamboanga Peninsula					
Northern Mindanao					1
Davao Region					
SOCCSKSARGEN					
Caraga					
ARMM					
Yield Per Hectare (mt)					
PHILIPPINES	**1.32**	**1.14**	**1.08**	**1.15**	**1.21**
CAR	0.45	0.46	0.47	0.46	0.46
Ilocos Region	1.51	1.25	1.16	1.23	1.30
Cagayan Valley					1.25
Central Luzon					
CALABARZON					
MIMAROPA					
Bicol Region					
Western Visayas					
Central Visayas	1.69	1.42	2.51	0.95	0.64
Eastern Visayas					
Zamboanga Peninsula					
Northern Mindanao					1.33
Davao Region					
SOCCSKSARGEN					
Caraga					
ARMM					

D. VEGETABLES, ROOT CROPS and TUBERS

CABBAGE

In 2008 to 2012, cabbage production fluctuated (Table 5.1). Highest output was noted in 2010 and lowest in 2009. Production in 2012 was 126.36 thousand mt or 0.84 percent higher than the production level in 2011 placed at 125.31 thousand mt. Higher production was attributed to bigger and better quality of heads produced brought about by favorable weather condition in Central Visayas, Northern Mindanao, Davao Region and SOCCSKSARGEN. There was also reported early control of cabbage worm in Cagayan Valley. However, area harvested decreased by 0.27 percent from 8.55 thousand hectares in 2011 to 8.53 thousand hectares in 2012.





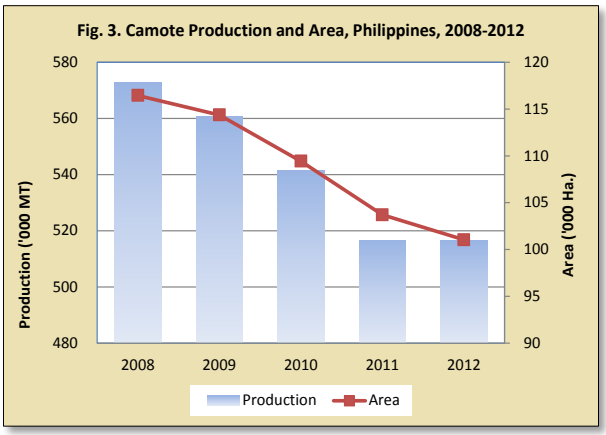
Cordillera Administrative Region (CAR) remained the top producer of cabbage at 99.36 thousand mt or 79 percent of the country's total production in 2012 (Figure 2). Central Visayas placed second with 7 percent share followed by Northern Mindanao with 5 percent.

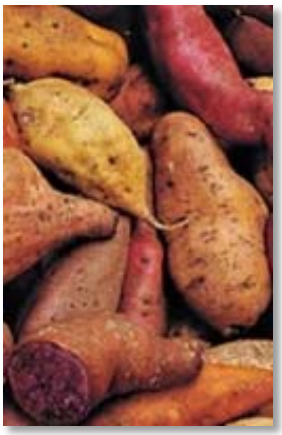
Table 5.1 CABBAGE: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**128,865**	**124,712**	**128,964**	**125,309**	**126,356**
CAR	102,894	99,155	102,344	98,943	99,362
Ilocos Region	2,790	2,539	2,887	3,012	3,044
Cagayan Valley	1,436	1,390	1,360	1,274	1,204
Central Luzon					
CALABARZON	1,037	866	863	848	853
MIMAROPA	26	26	28	28	28
Bicol Region	332	301	283	265	256
Western Visayas	538	476	477	484	488
Central Visayas	6,524	6,828	7,786	7,947	8,199
Eastern Visayas	194	196	188	181	180
Zamboanga Peninsula	298	311	314	317	326
Northern Mindanao	5,581	5,995	5,736	5,752	6,091
Davao Region	4,850	4,468	4,522	4,212	4,215
SOCCSKSARGEN	1,498	1,483	1,545	1,564	1,641
Caraga	199	135	77	18	21
ARMM	671	544	556	465	450
Area (ha)					
PHILIPPINES	**8,595**	**8,483**	**8,561**	**8,550**	**8,527**
CAR	5,536	5,435	5,436	5,444	5,442
Ilocos Region	367	342	367	369	367
Cagayan Valley	175	175	195	193	193
Central Luzon					
CALABARZON	123	127	130	133	132
MIMAROPA	11	12	17	20	22
Bicol Region	43	39	32	27	26
Western Visayas	70	65	67	67	69
Central Visayas	698	723	749	759	704
Eastern Visayas	33	35	34	33	58
Zamboanga Peninsula	100	109	109	113	119
Northern Mindanao	490	511	490	490	494
Davao Region	635	611	616	601	592
SOCCSKSARGEN	205	202	223	223	230
Caraga	35	21	18	4	8
ARMM	77	77	79	75	71
Yield Per Hectare (mt)					
PHILIPPINES	**14.99**	**14.70**	**15.06**	**14.66**	**14.82**
CAR	18.59	18.24	18.83	18.18	18.26
Ilocos Region	7.61	7.42	7.87	8.16	8.29
Cagayan Valley	8.20	7.97	6.97	6.62	6.23
Central Luzon					
CALABARZON	8.46	6.82	6.64	6.37	6.46
MIMAROPA	2.32	2.15	1.63	1.38	1.30
Bicol Region	7.71	7.71	8.97	9.71	9.88
Western Visayas	7.68	7.33	7.11	7.23	7.07
Central Visayas	9.34	9.44	10.40	10.47	11.65
Eastern Visayas	5.89	5.55	5.55	5.50	3.10
Zamboanga Peninsula	2.98	2.86	2.88	2.81	2.75
Northern Mindanao	11.40	11.72	11.71	11.74	12.33
Davao Region	7.64	7.31	7.34	7.01	7.12
SOCCSKSARGEN	7.31	7.35	6.94	7.02	7.12
Caraga	5.72	6.56	4.25	4.13	2.52
ARMM	8.71	7.06	7.04	6.20	6.34

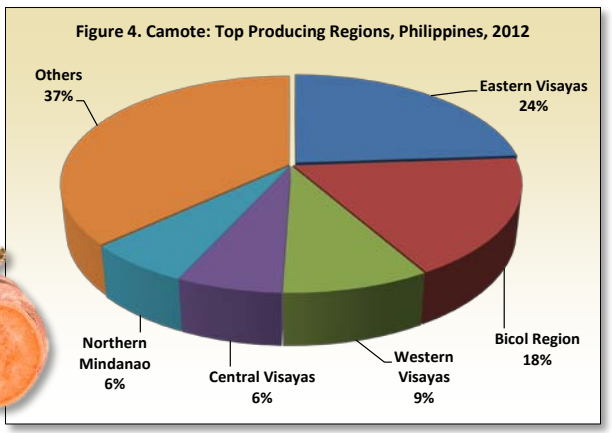
CAMOTE

Camote production continuously decreased from 572.66 thousand mt in 2008 to 516.37 thousand mt in 2012 at an average annual rate of 2.54 percent . Area harvested similarly showed a downward trend from 116.46 thousand hectares in 2008 to 101.03 thousand hectares in 2012 (Figure 3). Despite the reductions in both production and area harvested, yield per hectare improved from 4.92 mt in 2008 to 5.11 mt in 2012 registering an average annual growth of 0.96 percent.





Eastern Visayas Region was the top producer of camote in 2012 at 123.35 thousand mt or 24 percent of the national production (Figure 4). The second largest producer was Bicol Region with 91.94 thousand mt, followed by Western Visayas with 45.64 thousand mt (Table 5.2). Their respective shares to the national output were 18 percent and 9 percent, respectively (Figure 4).



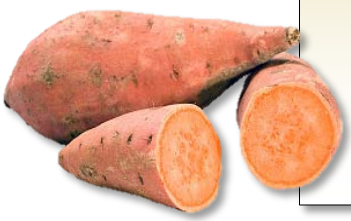
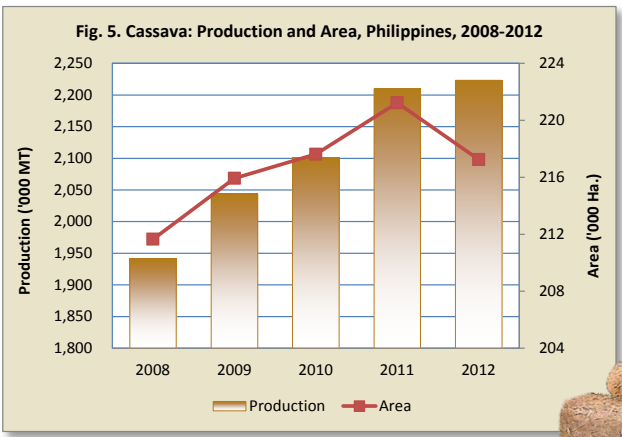


Table 5.2 CAMOTE: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**572,655**	**560,516**	**541,265**	**516,338**	**516,366**
CAR	17,353	17,187	16,520	15,976	15,711
Ilocos Region	15,320	15,169	15,516	15,256	14,977
Cagayan Valley	15,886	13,574	11,068	11,063	10,359
Central Luzon	31,555	31,685	31,544	30,004	31,196
CALABARZON	37,190	33,684	32,312	31,390	32,472
MIMAROPA	12,553	12,662	12,851	13,319	13,882
Bicol Region	95,767	95,861	94,701	92,121	91,943
Western Visayas	44,600	46,447	44,455	45,345	45,642
Central Visayas	47,557	47,022	40,847	38,718	32,555
Eastern Visayas	118,067	118,185	118,040	118,983	123,350
Zamboanga Peninsula	10,205	9,854	8,774	8,952	8,547
Northern Mindanao	28,551	29,437	29,725	31,530	32,474
Davao Region	19,620	19,814	19,901	19,014	18,417
SOCCSKSARGEN	9,735	10,155	10,457	10,783	10,782
Caraga	62,383	53,656	48,475	27,908	27,939
ARMM	6,313	6,126	6,081	5,977	6,121
Area (ha)					
PHILIPPINES	**116,465**	**114,380**	**109,438**	**103,704**	**100,736**
CAR	3,165	3,167	3,033	3,018	3,069
Ilocos Region	2,982	2,996	3,060	3,015	3,017
Cagayan Valley	2,305	2,127	1,843	1,751	1,682
Central Luzon	7,961	8,003	6,793	6,789	6,942
CALABARZON	4,019	4,000	3,865	3,862	3,851
MIMAROPA	2,491	2,501	2,482	2,527	2,551
Bicol Region	19,908	19,892	19,603	19,422	19,154
Western Visayas	6,575	6,750	6,648	6,709	6,748
Central Visayas	13,467	12,501	11,548	10,237	8,432
Eastern Visayas	26,095	26,126	25,491	24,876	24,655
Zamboanga Peninsula	3,121	3,106	3,076	3,041	2,956
Northern Mindanao	2,599	2,587	2,602	2,644	2,674
Davao Region	4,131	4,174	4,155	3,833	3,742
SOCCSKSARGEN	1,538	1,558	1,574	1,574	1,550
Caraga	13,568	12,323	11,099	7,915	7,229
ARMM	2,540	2,570	2,566	2,491	2,484
Yield Per Hectare (mt)					
PHILIPPINES	**4.92**	**4.90**	**4.95**	**4.98**	**5.13**
CAR	5.48	5.43	5.45	5.29	5.12
Ilocos Region	5.14	5.06	5.07	5.06	4.96
Cagayan Valley	6.89	6.38	6.00	6.32	6.16
Central Luzon	3.96	3.96	4.64	4.42	4.49
CALABARZON	9.25	8.42	8.36	8.13	8.43
MIMAROPA	5.04	5.06	5.18	5.27	5.44
Bicol Region	4.81	4.82	4.83	4.74	4.80
Western Visayas	6.78	6.88	6.69	6.76	6.76
Central Visayas	3.53	3.76	3.54	3.78	3.86
Eastern Visayas	4.52	4.52	4.63	4.78	5.00
Zamboanga Peninsula	3.27	3.17	2.85	2.94	2.89
Northern Mindanao	10.99	11.38	11.42	11.92	12.15
Davao Region	4.75	4.75	4.79	4.96	4.92
SOCCSKSARGEN	6.33	6.52	6.64	6.85	6.96
Caraga	4.60	4.35	4.37	3.53	3.86
ARMM	2.49	2.38	2.37	2.40	2.46

CASSAVA

Cassava production during 2008 to 2012 grew from 1.94 million mt to 2.22 million mt at an annual rate of 3.46 percent (Table 5.3). The output gain was brought about by the continuous expansion of contract growing areas in Central Luzon, Bicol and Northern Mindanao regions. The increasing demand for industrial and commercial uses likewise encouraged growers in SOCCSKSARGEN and ARMM to expand production areas. Average yield continuously improved from 9.17 mt per hectare in 2008 to 10.23 mt per hectare in 2012 with an average annual growth of 2.77 percent.



ARMM with 1.02 million mt of production in 2012 had the lion's share to the national cassava output (Table 5.3). It accounted for 46 percent of the country's total production in 2012 (Figure 6). Northern Mindanao ranked second with 25 percent share.

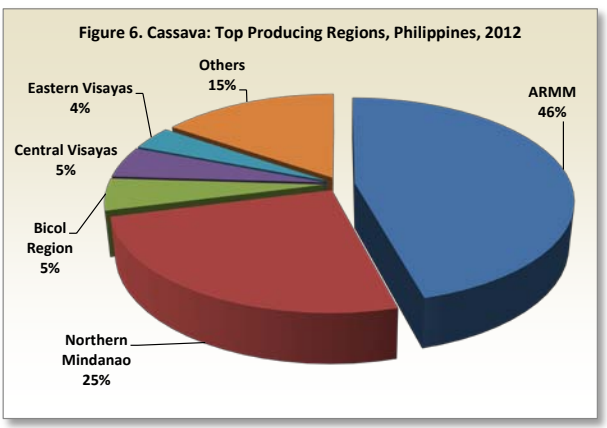


Table 5.3 CASSAVA: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**1,941,574**	**2,043,719**	**2,101,454**	**2,209,684**	**2,223,144**
CAR	1,865	1,839	1,813	1,671	2,194
Ilocos Region	16,766	17,493	17,933	17,746	17,563
Cagayan Valley	30,864	38,545	41,291	70,060	66,882
Central Luzon	9,199	9,294	9,449	10,032	18,428
CALABARZON	60,141	54,787	50,368	47,980	49,020
MIMAROPA	10,618	11,531	12,207	12,858	13,541
Bicol Region	112,900	115,112	114,625	110,020	111,236
Western Visayas	59,710	60,966	60,116	61,921	62,408
Central Visayas	83,539	106,079	118,668	128,156	109,571
Eastern Visayas	72,792	73,194	73,392	78,805	81,918
Zamboanga Peninsula	30,598	30,416	30,746	30,352	30,053
Northern Mindanao	348,971	417,943	471,511	551,123	558,955
Davao Region	15,550	14,990	14,788	14,511	14,454
SOCCSKSARGEN	31,857	31,314	34,556	43,386	47,852
Caraga	52,662	47,886	41,124	23,609	20,101
ARMM	1,003,542	1,012,330	1,008,867	1,007,454	1,018,969
Area (ha)					
PHILIPPINES	**211,657**	**215,933**	**217,622**	**221,235**	**217,978**
CAR	307	312	317	313	489
Ilocos Region	2,305	2,308	2,312	2,264	1,944
Cagayan Valley	2,559	3,090	3,336	4,859	4,839
Central Luzon	1,175	1,188	1,207	1,312	1,577
CALABARZON	8,243	8,150	7,894	7,885	7,803
MIMAROPA	2,330	2,378	2,346	2,389	2,471
Bicol Region	22,901	22,895	22,830	22,750	22,753
Western Visayas	6,597	6,665	6,682	6,749	6,807
Central Visayas	11,641	13,701	15,131	15,894	12,241
Eastern Visayas	23,243	23,390	22,714	22,533	21,441
Zamboanga Peninsula	7,228	7,098	7,052	7,015	6,989
Northern Mindanao	16,326	18,933	20,938	24,358	24,440
Davao Region	2,264	2,219	2,174	2,159	2,106
SOCCSKSARGEN	1,905	1,884	1,984	2,111	2,215
Caraga	8,562	7,631	6,678	4,474	4,085
ARMM	94,071	94,091	94,029	94,171	95,777
Yield Per Hectare (mt)					
PHILIPPINES	**9.17**	**9.46**	**9.66**	**9.99**	**10.20**
CAR	6.07	5.90	5.73	5.34	4.49
Ilocos Region	7.27	7.58	7.76	7.84	9.03
Cagayan Valley	12.06	12.47	12.38	14.42	13.82
Central Luzon	7.84	7.82	7.83	7.65	11.69
CALABARZON	7.30	6.72	6.38	6.08	6.28
MIMAROPA	4.56	4.85	5.20	5.38	5.48
Bicol Region	4.93	5.03	5.02	4.84	4.89
Western Visayas	9.05	9.15	9.00	9.17	9.17
Central Visayas	7.18	7.74	7.84	8.06	8.95
Eastern Visayas	3.13	3.13	3.23	3.50	3.82
Zamboanga Peninsula	4.23	4.29	4.36	4.33	4.30
Northern Mindanao	21.38	22.07	22.52	22.63	22.87
Davao Region	6.87	6.76	6.80	6.72	6.86
SOCCSKSARGEN	16.72	16.62	17.42	20.56	21.61
Caraga	6.15	6.27	6.16	5.28	4.92
ARMM	10.67	10.76	10.73	10.70	10.64

EGGPLANT

Eggplant production grew from 199.58 thousand mt in 2008 to 211.85 thousand mt in 2012 at an average annual growth of 1.51 percent (Figure 7). Area harvested expanded from 21.30 thousand hectares in 2008 to 21.48 thousand hectares in 2012 at an average annual rate of 0.22 percent. Yield per hectare effected an improvement from 9.37 mt in 2008 to 9.86 mt in 2012.

In 2012, Ilocos Region remained the top producer of eggplant at 76.19 thousand mt or 36 percent of the total national production (Figure 8). CALABARZON trailed with 36.15 thousand mt or 17 percent share to the gross national output for eggplant. Cagayan Valley and Central Luzon placed third, each with 19 thousand mt or 9 percent share.

Fig. 7. Eggplant: Production and Area, Philippines, 2008-2012

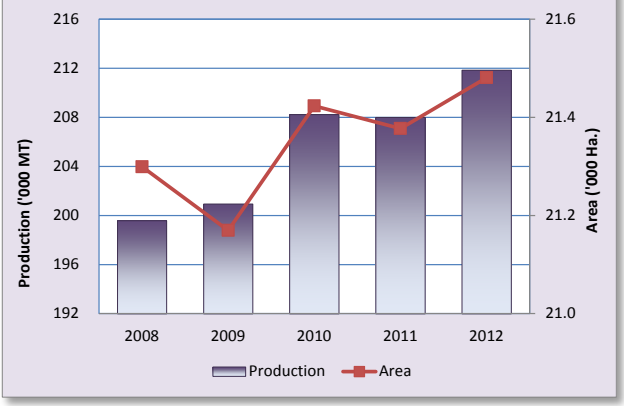
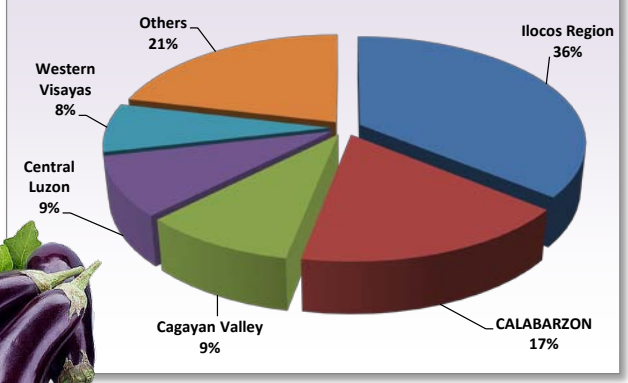


Figure 8. Eggplant: Top Producing Regions, Philippines, 2012



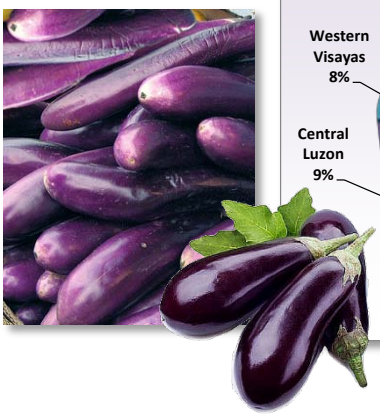
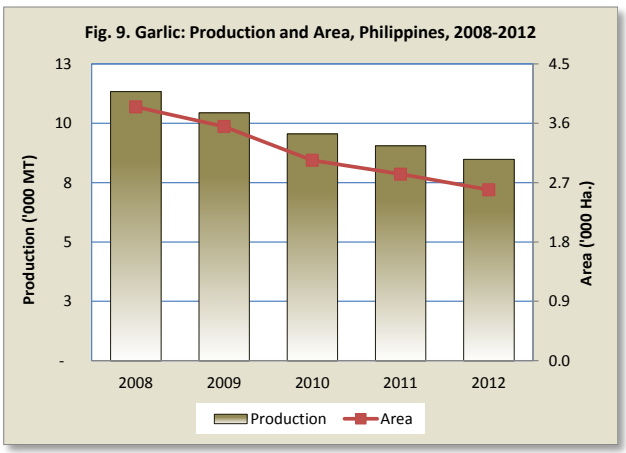


Table 5.4 EGGPLANT: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**199,579**	**200,942**	**208,242**	**207,994**	**211,854**
CAR	789	791	796	805	823
Ilocos Region	73,100	70,098	73,659	75,375	76,193
Cagayan Valley	19,335	19,894	18,264	19,320	19,841
Central Luzon	19,107	19,355	19,225	18,863	19,019
CALABARZON	32,213	33,396	37,573	36,401	36,150
MIMAROPA	2,354	2,346	2,458	2,625	2,768
Bicol Region	7,102	6,834	7,159	6,937	7,306
Western Visayas	13,486	14,289	14,730	15,086	15,660
Central Visayas	6,842	8,105	8,463	7,284	7,562
Eastern Visayas	2,219	2,224	2,236	2,251	2,315
Zamboanga Peninsula	1,752	1,781	1,811	1,818	1,848
Northern Mindanao	3,608	3,697	3,794	4,102	4,323
Davao Region	6,425	6,506	6,646	6,450	6,632
SOCCSKSARGEN	6,624	7,032	6,897	7,092	7,400
Caraga	4,006	3,996	3,922	2,974	3,363
ARMM	616	598	610	612	652
Area (ha)					
PHILIPPINES	**21,299**	**21,170**	**21,423**	**21,377**	**21,481**
CAR	135	134	134	133	137
Ilocos Region	4,908	4,725	4,815	4,866	4,905
Cagayan Valley	1,960	1,917	1,743	1,875	1,889
Central Luzon	2,894	2,898	2,908	2,914	2,938
CALABARZON	1,762	1,712	1,775	1,877	1,803
MIMAROPA	919	926	956	984	988
Bicol Region	1,362	1,359	1,383	1,355	1,363
Western Visayas	1,384	1,428	1,469	1,495	1,527
Central Visayas	1,750	1,807	1,918	1,649	1,632
Eastern Visayas	339	340	343	352	355
Zamboanga Peninsula	532	530	594	593	602
Northern Mindanao	755	773	775	795	814
Davao Region	1,193	1,211	1,219	1,173	1,162
SOCCSKSARGEN	613	621	624	631	638
Caraga	579	571	544	468	499
ARMM	215	218	225	219	230
Yield Per Hectare (mt)					
PHILIPPINES	**9.37**	**9.49**	**9.72**	**9.73**	**9.86**
CAR	5.85	5.90	5.95	6.06	6.01
Ilocos Region	14.89	14.84	15.30	15.49	15.53
Cagayan Valley	9.86	10.38	10.48	10.30	10.50
Central Luzon	6.60	6.68	6.61	6.47	6.47
CALABARZON	18.28	19.51	21.17	19.39	20.05
MIMAROPA	2.56	2.53	2.57	2.67	2.80
Bicol Region	5.21	5.03	5.18	5.12	5.36
Western Visayas	9.74	10.01	10.03	10.09	10.26
Central Visayas	3.91	4.49	4.41	4.42	4.64
Eastern Visayas	6.55	6.54	6.51	6.40	6.53
Zamboanga Peninsula	3.29	3.36	3.05	3.07	3.07
Northern Mindanao	4.78	4.78	4.90	5.16	5.31
Davao Region	5.39	5.37	5.45	5.50	5.71
SOCCSKSARGEN	10.81	11.33	11.06	11.25	11.60
Caraga	6.92	6.99	7.21	6.35	6.73
ARMM	2.86	2.75	2.71	2.79	2.83

GARLIC

Garlic production from 2008 to 2012 decreased continuously from 11.35 thousand mt to 8.49 thousand mt at an annual average rate of 4.34 percent (Figure 9). In like manner, area harvested decreased at an average annual rate of 9.37 percent. This was due to the reported crop shifting to native onion and tobacco in Ilocos Norte as farmers were unable to compete with the low-priced imported garlic in the market.



Ilocos Region was the leading garlic producer at 5.62 thousand mt and shared two-thirds to the country's total production in 2012 (Figure 10). MIMAROPA ranked second with 2.11 thousand mt or about 25 percent share.

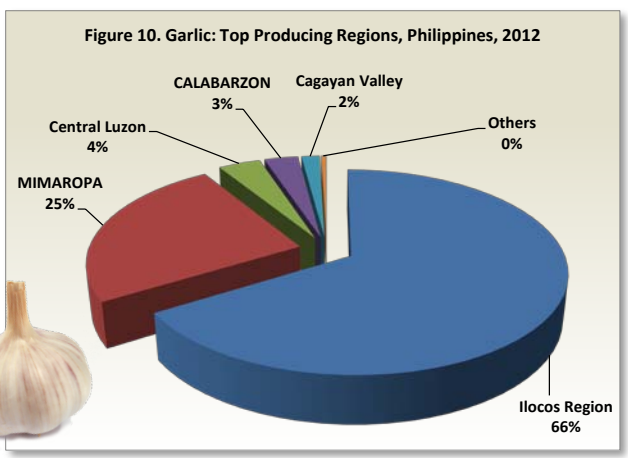


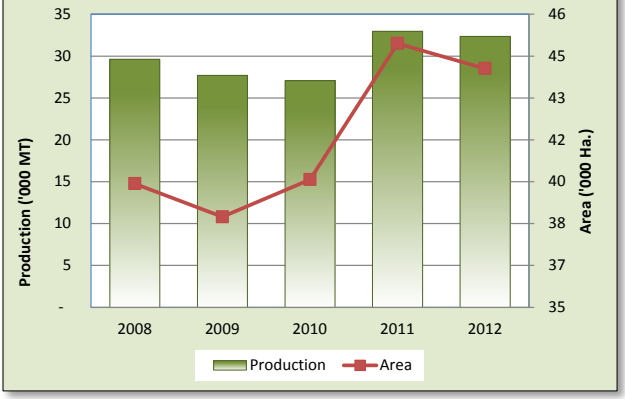
Table 5.5 GARLIC: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**11,348**	**10,451**	**9,563**	**9,057**	**8,491**
CAR	17	16	14	13	14
Ilocos Region	8,235	7,478	6,540	6,034	5,623
Cagayan Valley	218	214	185	196	138
Central Luzon	325	329	324	321	320
CALABARZON	439	380	332	293	257
MIMAROPA	2,049	1,988	2,127	2,161	2,114
Bicol Region	3	2	2	2	2
Western Visayas	60	40	35	32	20
Central Visayas					
Eastern Visayas	4	4	4	4	4
Zamboanga Peninsula					
Northern Mindanao					
Davao Region					
SOCCSKSARGEN					
Caraga					
ARMM					
Area (ha)					
PHILIPPINES	**3,849**	**3,552**	**3,039**	**2,830**	**2,591**
CAR	14	13	12	8	8
Ilocos Region	3,016	2,741	2,251	2,057	1,839
Cagayan Valley	64	57	51	51	46
Central Luzon	142	144	141	140	135
CALABARZON	86	86	83	71	67
MIMAROPA	512	498	489	492	488
Bicol Region	1	1	1	1	1
Western Visayas	14	10	9	8	5
Central Visayas					
Eastern Visayas	2	2	2	2	2
Zamboanga Peninsula					
Northern Mindanao					
Davao Region					
SOCCSKSARGEN					
Caraga					
ARMM					
Yield Per Hectare (mt)					
PHILIPPINES	**2.95**	**2.94**	**3.15**	**3.20**	**3.28**
CAR	1.25	1.22	1.16	1.68	1.81
Ilocos Region	2.73	2.73	2.91	2.93	3.06
Cagayan Valley	3.40	3.76	3.63	3.81	2.99
Central Luzon	2.29	2.29	2.29	2.29	2.37
CALABARZON	5.13	4.41	4.00	4.16	3.83
MIMAROPA	4.00	3.99	4.35	4.39	4.33
Bicol Region	2.58	2.19	1.97	1.91	1.87
Western Visayas	4.25	4.00	3.91	4.00	3.90
Central Visayas					
Eastern Visayas	2.00	2.08	2.08	2.14	2.00
Zamboanga Peninsula					
Northern Mindanao					
Davao Region					
SOCCSKSARGEN					
Caraga					
ARMM					

MONGO

Mongo production fluctuated during 2008 to 2012. Biggest production at 32.96 thousand mt was recorded in 2011. In contrast, the lowest level of production at 27.06 thousand mt was in 2010. The 2012 production of 32.36 thousand mt was 1.81 percent below the 2011 output (Figure 11). However, area harvested increased at an average annual rate of 2.84 percent, from 39.92 thousand hectares in 2008 to 44.32 thousand hectares in 2012. Average yield per hectare slid from 0.74 mt in 2008 to 0.73 mt in 2012.

Fig. 11. Mongo: Production and Area, Philippines, 2008-2012



Ilocos Region remained the largest producer of mongo at 11.23 thousand mt or 35 percent of the country's total production in 2012. Cagayan Valley ranked second with 9.03 thousand mt or 28 percent.

Figure 12. Mongo: Top Producing Regions, Philippines, 2012

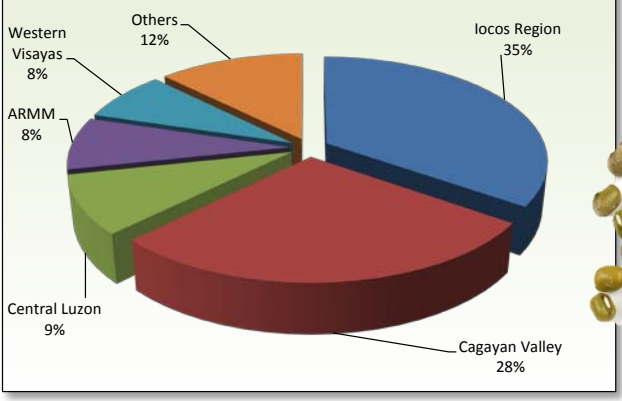
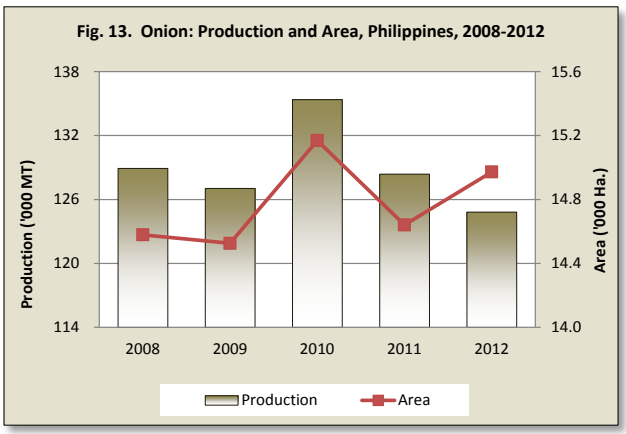


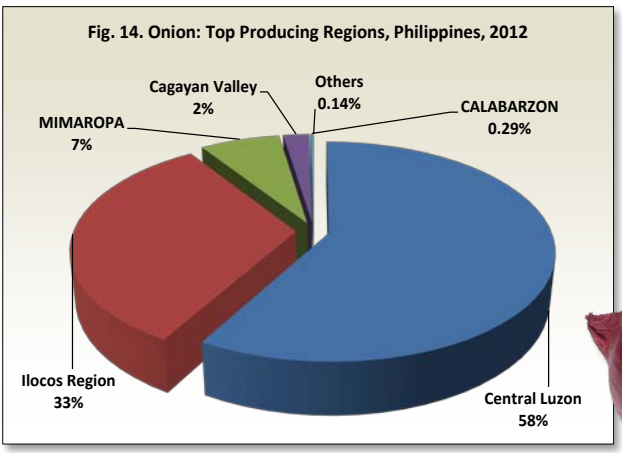
Table 5.6 MONGO: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**29,617**	**27,694**	**27,055**	**32,960**	**32,364**
CAR	142	139	131	141	141
Ilocos Region	11,342	11,293	11,146	11,080	11,230
Cagayan Valley	4,957	3,692	3,950	10,028	9,031
Central Luzon	2,275	2,299	2,201	2,554	2,918
CALABARZON	171	157	132	136	117
MIMAROPA	560	591	597	640	663
Bicol Region	164	159	157	147	166
Western Visayas	3,727	3,335	2,807	2,552	2,501
Central Visayas	739	691	673	584	558
Eastern Visayas	273	280	274	272	271
Zamboanga Peninsula	249	238	210	198	198
Northern Mindanao	347	372	377	373	373
Davao Region	1,032	1,033	993	946	931
SOCCSKSARGEN	511	520	494	466	482
Caraga	123	93	146	117	164
ARMM	3,005	2,801	2,767	2,725	2,620
Area (ha)					
PHILIPPINES	**39,923**	**38,658**	**40,080**	**45,283**	**44,324**
CAR	172	172	168	184	183
Ilocos Region	10,628	10,610	10,489	10,264	10,137
Cagayan Valley	8,493	7,674	9,687	15,580	14,639
Central Luzon	3,080	3,088	3,057	3,364	3,723
CALABARZON	210	192	182	176	160
MIMAROPA	821	828	836	865	912
Bicol Region	262	258	254	242	232
Western Visayas	6,064	5,772	5,345	5,153	5,148
Central Visayas	1,916	1,844	1,853	1,639	1,460
Eastern Visayas	435	441	436	435	436
Zamboanga Peninsula	373	366	331	298	296
Northern Mindanao	491	502	511	507	501
Davao Region	1,536	1,520	1,507	1,349	1,352
SOCCSKSARGEN	634	647	638	587	602
Caraga	208	143	185	146	203
ARMM	4,602	4,600	4,602	4,495	4,341
Yield Per Hectare (mt)					
PHILIPPINES	**0.74**	**0.72**	**0.68**	**0.73**	**0.73**
CAR	0.83	0.81	0.78	0.77	0.77
Ilocos Region	1.07	1.06	1.06	1.08	1.11
Cagayan Valley	0.58	0.48	0.41	0.64	0.62
Central Luzon	0.74	0.74	0.72	0.76	0.78
CALABARZON	0.81	0.82	0.73	0.77	0.73
MIMAROPA	0.68	0.71	0.71	0.74	0.73
Bicol Region	0.63	0.62	0.62	0.61	0.72
Western Visayas	0.61	0.58	0.53	0.50	0.49
Central Visayas	0.39	0.37	0.36	0.36	0.38
Eastern Visayas	0.63	0.63	0.63	0.63	0.62
Zamboanga Peninsula	0.67	0.65	0.63	0.67	0.67
Northern Mindanao	0.71	0.74	0.74	0.74	0.74
Davao Region	0.67	0.68	0.66	0.70	0.69
SOCCSKSARGEN	0.81	0.80	0.77	0.79	0.80
Caraga	0.59	0.65	0.79	0.80	0.81
ARMM	0.65	0.61	0.60	0.61	0.60

ONION

Onion production fluctuated from 128.92 thousand mt in 2008 to 124.82 thousand mt in 2012. Biggest national output reached 135.38 thousand mt in 2010 (Figure 13). Area harvested in 2010 was 15.17 thousand hectares. Yield per hectare, however was reduced from 8.84 mt in 2008 to 8.34 mt in 2012.





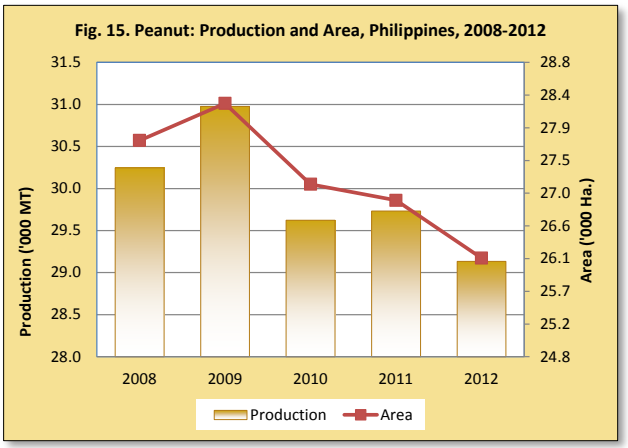
Central Luzon and Ilocos Region were the country's top onion producers in 2012 with respective shares of 58 percent and 33 percent to the total national production. (Figure 14).

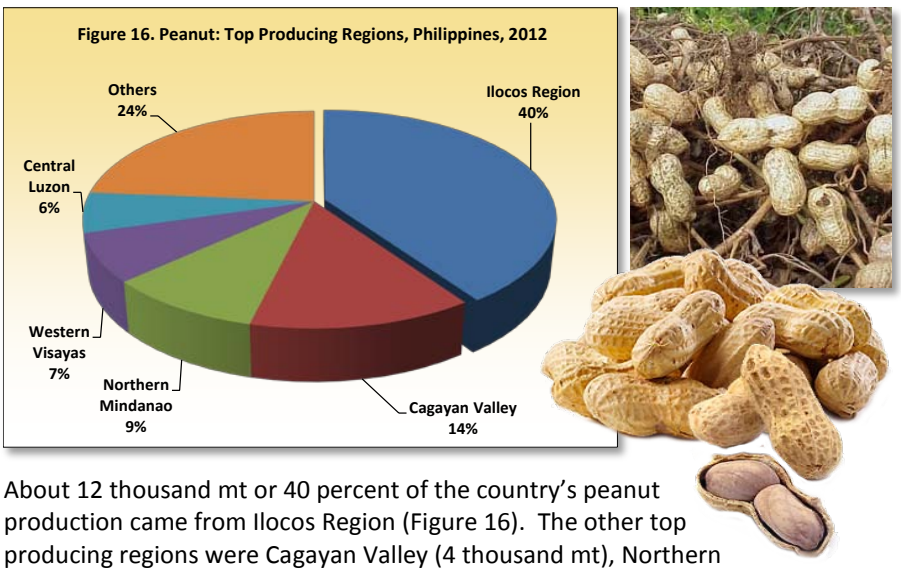
Table 5.7 ONION: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**128,923**	**127,055**	**135,377**	**128,387**	**124,824**
CAR					
Ilocos Region	42,988	39,780	42,091	40,621	40,421
Cagayan Valley	2,046	2,059	3,183	4,799	2,762
Central Luzon	70,302	72,719	74,868	73,535	72,500
CALABARZON	200	206	221	366	329
MIMAROPA	13,129	12,080	14,817	8,888	8,465
Bicol Region					
Western Visayas	217	176	164	149	279
Central Visayas			1	2	17
Eastern Visayas					
Zamboanga Peninsula	16	16	14	6	2
Northern Mindanao				0.40	
Davao Region					
SOCCSKSARGEN	25	19	19	20	49
Caraga					
ARMM					
Area (ha)					
PHILIPPINES	**14,579**	**14,526**	**15,169**	**14,641**	**14,972**
CAR					
Ilocos Region	4,837	4,618	4,689	4,753	4,725
Cagayan Valley	369	334	383	477	578
Central Luzon	7,667	7,973	8,195	8,178	8,126
CALABARZON	35	35	38	78	54
MIMAROPA	1,602	1,502	1,806	1,106	1,406
Bicol Region					
Western Visayas	48	44	42	39	70
Central Visayas			0.04	0.27	1
Eastern Visayas					
Zamboanga Peninsula	18	18	12	5	3
Northern Mindanao				0.20	
Davao Region					
SOCCSKSARGEN	3	3	4	4	9
Caraga					
ARMM					
Yield Per Hectare (mt)					
PHILIPPINES	**8.84**	**8.75**	**8.92**	**8.77**	**8.34**
CAR					
Ilocos Region	8.89	8.61	8.98	8.55	8.56
Cagayan Valley	5.54	6.16	8.32	10.05	4.78
Central Luzon	9.17	9.12	9.14	8.99	8.92
CALABARZON	5.79	5.89	5.81	4.69	6.10
MIMAROPA	8.20	8.04	8.21	8.04	6.02
Bicol Region					
Western Visayas	4.52	4.00	3.90	3.81	3.98
Central Visayas			18.25	9.25	11.27
Eastern Visayas					
Zamboanga Peninsula	0.90	0.89	1.14	1.25	
Northern Mindanao				2.00	
Davao Region					
SOCCSKSARGEN	7.86	6.80	4.60	4.96	5.71
Caraga					
ARMM					

PEANUT

Peanut production showed a downward trend from 30.25 thousand mt in 2008 to 29.13 thousand mt in 2012 at an average annual rate of 0.90 percent. Similarly, area harvested decreased from 27.73 thousand hectares to 26.11 thousand hectares at an average annual rate of 1.48 percent (Figure 15). However, yield per hectare increased from 1.09 mt to 1.12 mt.





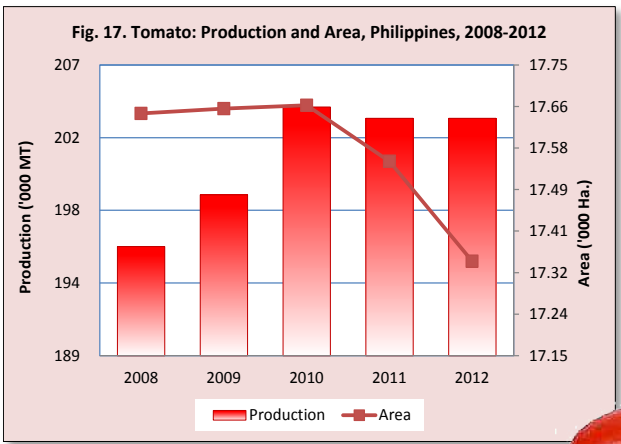
About 12 thousand mt or 40 percent of the country's peanut production came from Ilocos Region (Figure 16). The other top producing regions were Cagayan Valley (4 thousand mt), Northern Mindanao (3 thousand mt), Western Visayas (2 thousand mt) and Central Luzon (2 thousand mt) (Table 5.8).

Table 5.8 PEANUT: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**30,247**	**30,978**	**29,624**	**29,734**	**29,134**
CAR	131	124	122	121	123
Ilocos Region	11,808	11,834	12,120	11,566	11,766
Cagayan Valley	4,056	4,432	3,393	4,373	3,906
Central Luzon	1,857	1,769	1,731	1,764	1,743
CALABARZON	751	738	635	651	548
MIMAROPA	1,132	1,202	1,215	1,249	1,278
Bicol Region	948	945	956	931	924
Western Visayas	2,290	2,324	2,061	2,079	2,093
Central Visayas	1,225	1,335	1,147	1,071	1,031
Eastern Visayas	551	569	563	575	579
Zamboanga Peninsula	544	551	515	497	492
Northern Mindanao	2,886	3,047	3,091	2,923	2,739
Davao Region	679	688	654	580	548
SOCCSKSARGEN	605	687	644	658	684
Caraga	150	112	162	92	104
ARMM	636	619	613	604	576
Area (ha)					
PHILIPPINES	**27,726**	**28,235**	**27,123**	**26,902**	**26,108**
CAR	254	253	254	252	249
Ilocos Region	7,641	7,660	7,808	7,593	7,515
Cagayan Valley	3,351	3,690	3,159	3,780	3,514
Central Luzon	1,419	1,419	1,403	1,285	1,267
CALABARZON	980	982	849	804	584
MIMAROPA	1,176	1,183	1,173	1,182	1,177
Bicol Region	1,379	1,374	1,367	1,338	1,332
Western Visayas	3,390	3,474	3,314	3,337	3,349
Central Visayas	1,699	1,757	1,553	1,477	1,419
Eastern Visayas	868	874	869	869	849
Zamboanga Peninsula	1,047	1,061	940	899	843
Northern Mindanao	1,985	2,048	2,047	1,967	1,924
Davao Region	802	818	733	522	501
SOCCSKSARGEN	504	543	525	532	544
Caraga	233	105	138	105	113
ARMM	999	994	991	961	928
Yield Per Hectare (mt)					
PHILIPPINES	**1.09**	**1.10**	**1.09**	**1.11**	**1.12**
CAR	0.51	0.49	0.48	0.48	0.49
Ilocos Region	1.55	1.54	1.55	1.52	1.57
Cagayan Valley	1.21	1.20	1.07	1.16	1.11
Central Luzon	1.31	1.25	1.23	1.37	1.38
CALABARZON	0.77	0.75	0.75	0.81	0.94
MIMAROPA	0.96	1.02	1.04	1.06	1.09
Bicol Region	0.69	0.69	0.70	0.70	0.69
Western Visayas	0.68	0.67	0.62	0.62	0.62
Central Visayas	0.72	0.76	0.74	0.72	0.73
Eastern Visayas	0.63	0.65	0.65	0.66	0.68
Zamboanga Peninsula	0.52	0.52	0.55	0.55	0.58
Northern Mindanao	1.45	1.49	1.51	1.49	1.42
Davao Region	0.85	0.84	0.89	1.11	1.09
SOCCSKSARGEN	1.20	1.26	1.23	1.24	1.26
Caraga	0.65	1.07	1.18	0.88	0.92
ARMM	0.64	0.62	0.62	0.63	0.62

TOMATO

Tomato production moved upward from 195.81 thousand mt in 2008 to 204.27 thousand mt in 2010 at an average annual growth of 2.14 percent. However, production went down by 0.17 percent in 2012. Area showed the same increasing pattern from 2008 to 2010 at an average annual growth of 0.05 percent. In 2012, area harvested slid to 17.34 thousand hectares or an annual average rate of 1.91 percent from its 2010 level of 17.66 thousand hectares (Figure 17). Average yield per hectare recorded an average annual growth of 1.42 percent, from 11.10 mt in 2008 to 11.74 mt in 2012 (Table 5.9).



Ilocos Region was consistently the top producer at 70.39 thousand mt in 2012 or 34 percent of the country's total tomato production (Figure 18). The other top producing regions and their shares to total production were Northern Mindanao at 24 percent, Central Luzon at 11 percent and CALABARZON at 9 percent.

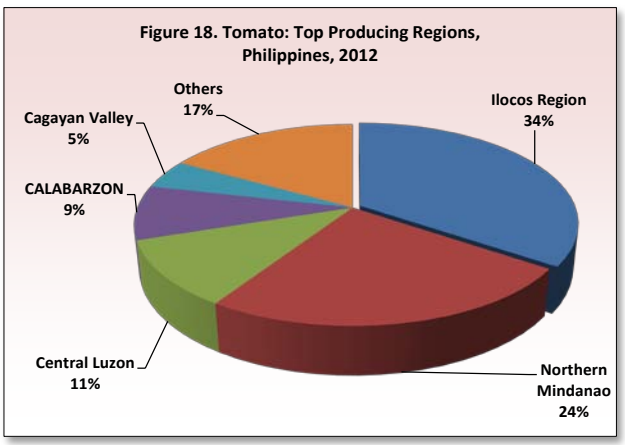


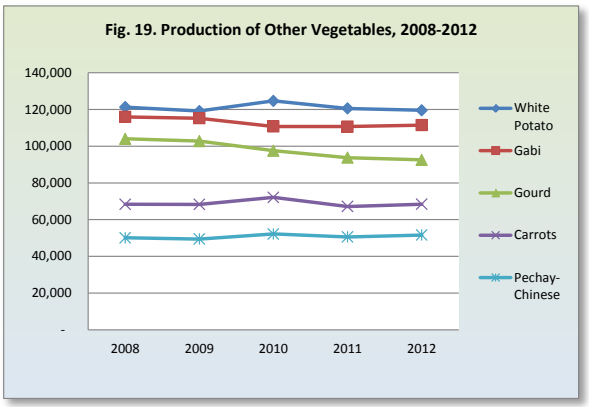
Table 5.9 TOMATO: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

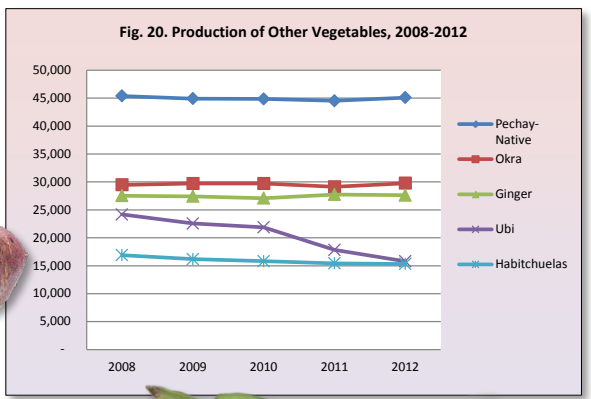
Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**195,810**	**198,948**	**204,272**	**203,582**	**203,578**
CAR	3,974	3,810	3,904	3,856	3,899
Ilocos Region	61,747	65,605	69,616	68,579	70,389
Cagayan Valley	12,356	11,525	10,605	10,318	9,485
Central Luzon	20,816	21,091	21,492	21,488	21,791
CALABARZON	16,145	14,390	17,496	18,295	17,727
MIMAROPA	1,013	1,081	1,132	1,232	1,254
Bicol Region	3,506	3,543	3,562	3,432	3,427
Western Visayas	9,710	9,595	9,551	8,892	8,888
Central Visayas	3,367	3,625	3,833	3,878	3,977
Eastern Visayas	747	742	722	696	719
Zamboanga Peninsula	1,795	1,796	1,763	1,768	1,809
Northern Mindanao	50,451	52,056	50,485	51,109	50,086
Davao Region	4,393	4,273	4,338	4,296	4,194
SOCCSKSARGEN	5,019	5,105	5,053	5,162	5,306
Caraga	341	303	314	177	212
ARMM	430	409	405	404	414
Area (ha)					
PHILIPPINES	**17,646**	**17,656**	**17,663**	**17,556** R/	**17,343**
CAR	379	366	357	360	359
Ilocos Region	3,793	3,775	3,773	3,730	3,739
Cagayan Valley	901	877	893	883	848
Central Luzon	3,342	3,371	3,379	3,374	3,396
CALABARZON	1,340	1,325	1,354	1,406	1,306
MIMAROPA	231	243	266	280	294
Bicol Region	578	577	581	564	557
Western Visayas	816	821	823	785	787
Central Visayas	1,364	1,347	1,400	1,326	1,220
Eastern Visayas	105	108	105	106	108
Zamboanga Peninsula	501	506	511	516	499
Northern Mindanao	2,763	2,807	2,697	2,748	2,727
Davao Region	649	652	653	637	644
SOCCSKSARGEN	677	679	664	666	676
Caraga	78	75	75	55 R/	58
ARMM	128	128	131	121	125
Yield Per Hectare (mt)					
PHILIPPINES	**11.10**	**11.27**	**11.57**	**11.60**	**11.74**
CAR	10.49	10.41	10.94	10.72	10.86
Ilocos Region	16.28	17.38	18.45	18.39	18.82
Cagayan Valley	13.71	13.15	11.87	11.69	11.18
Central Luzon	6.23	6.26	6.36	6.37	6.42
CALABARZON	12.05	10.86	12.92	13.01	13.57
MIMAROPA	4.38	4.45	4.26	4.40	4.26
Bicol Region	6.07	6.14	6.13	6.09	6.15
Western Visayas	11.91	11.69	11.61	11.32	11.30
Central Visayas	2.47	2.69	2.74	2.92	3.26
Eastern Visayas	7.11	6.89	6.85	6.59	6.68
Zamboanga Peninsula	3.58	3.55	3.45	3.43	3.63
Northern Mindanao	18.26	18.55	18.72	18.60	18.37
Davao Region	6.77	6.55	6.64	6.75	6.51
SOCCSKSARGEN	7.41	7.52	7.61	7.75	7.86
Caraga	4.37	4.06	4.21	3.22	3.63
ARMM	3.35	3.19	3.09	3.34	3.31

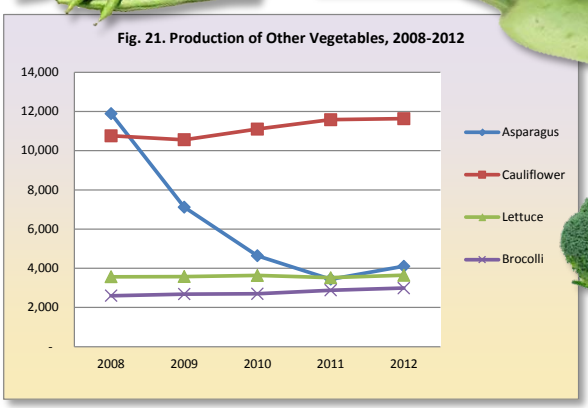
R/ - Revised

OTHER VEGETABLES

Figures 19, 20 and 21 below show the production trends of other vegetables. Production of gourd, ubi and habitchuelas continuously decreased from 2008 to 2012 at an average annual rate of 2.86 percent, 9.91 percent and 2.41 percent, respectively. Gabi, native pechay and asparagus production decreased from 2008 to 2011 but managed to increase in 2012. Broccoli production reflected continuous improvements from 2.60 thousand mt in 2008 to 2.99 thousand mt in 2012 at an average annual growth of 3.42 percent. The rest of the other vegetables production showed fluctuating trends from 2008 to 2012.







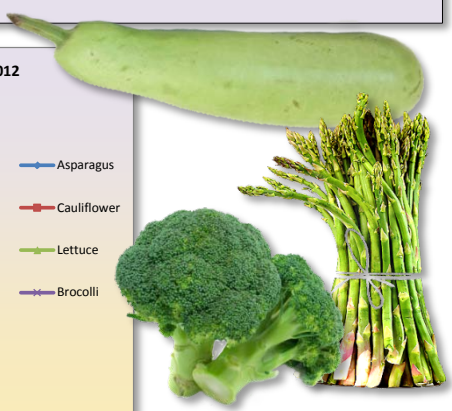


Table 5.10 ASPARAGUS: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**11,891**	**7,121**	**4,637**	**3,443**	**4,106**
CAR	1				
Ilocos Region					
Cagayan Valley					
Central Luzon		0.48	1	2	2
CALABARZON					
MIMAROPA					
Bicol Region					
Western Visayas	2	2	2	2	2
Central Visayas	5	4	4	4	4
Eastern Visayas					
Zamboanga Peninsula					
Northern Mindanao	18	15	8	3	
Davao Region					
SOCCSKSARGEN	11,865	7,100	4,623	3,433	4,098
Caraga					
ARMM					
Area (ha)					
PHILIPPINES	**706**	**536**	**368**	**349**	**368**
CAR	1				
Ilocos Region					
Cagayan Valley					
Central Luzon		1.50	2	2	2
CALABARZON					
MIMAROPA					
Bicol Region					
Western Visayas	0.25	0.27	0.26	0.30	0.30
Central Visayas	5	5	4	5	5
Eastern Visayas					
Zamboanga Peninsula					
Northern Mindanao	5	5	4	2	1
Davao Region					
SOCCSKSARGEN	695	525	358	340	360
Caraga					
ARMM					
Yield Per Hectare (mt)					
PHILIPPINES	**16.85**	**13.28**	**12.58**	**9.86**	**11.15**
CAR	1.70				
Ilocos Region					
Cagayan Valley					
Central Luzon		0.32	0.54	0.77	0.93
CALABARZON					
MIMAROPA					
Bicol Region					
Western Visayas	6.52	5.85	6.15	6.67	6.17
Central Visayas	0.99	0.90	0.86	0.85	0.87
Eastern Visayas					
Zamboanga Peninsula					
Northern Mindanao	3.60	3.06	1.88	1.50	
Davao Region					
SOCCSKSARGEN	17.07	13.52	12.91	10.10	11.38
Caraga					
ARMM					

Table 5.11 BROCOLLI: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**2,603**	**2,685**	**2,699**	**2,881**	**2,991**
CAR	1,852	1,858	1,847	1,864	1,919
Ilocos Region					
Cagayan Valley				16	22
Central Luzon					
CALABARZON	4	8	4	1	1
MIMAROPA					
Bicol Region					
Western Visayas	3	3	3	7	8
Central Visayas	96	126	161	204	246
Eastern Visayas					
Zamboanga Peninsula					
Northern Mindanao	640	680	675	780	786
Davao Region	6	8	8	8	8
SOCCSKSARGEN	2	2	1	1	2
Caraga					
ARMM					
Area (ha)					
PHILIPPINES	**259**	**269**	**267**	**293**	**305**
CAR	158	159	158	163	166
Ilocos Region					
Cagayan Valley				5	7
Central Luzon					
CALABARZON	1	1	1	0.30	1
MIMAROPA					
Bicol Region					
Western Visayas	0.42	0.39	0.43	1	1
Central Visayas	9	13	15	16	19
Eastern Visayas					
Zamboanga Peninsula					
Northern Mindanao	86	92	89	105	107
Davao Region	2	2	2	2	2
SOCCSKSARGEN	3	3	2	2	2
Caraga					
ARMM					
Yield Per Hectare (mt)					
PHILIPPINES	**10.05**	**9.97**	**10.13**	**9.83**	**9.81**
CAR	11.72	11.69	11.69	11.44	11.56
Ilocos Region					
Cagayan Valley				3.48	3.09
Central Luzon					
CALABARZON	7.74	8.00	4.25	3.33	2.80
MIMAROPA					
Bicol Region					
Western Visayas	6.90	6.54	6.65	6.61	6.29
Central Visayas	10.40	10.06	11.09	13.12	12.94
Eastern Visayas					
Zamboanga Peninsula					
Northern Mindanao	7.45	7.39	7.58	7.43	7.35
Davao Region	3.03	4.07	4.08	3.94	3.82
SOCCSKSARGEN	0.66	0.82	0.84	0.84	0.83
Caraga					
ARMM					

Table 5.12 CARROTS: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**68,366**	**68,328**	**72,109**	**67,162**	**68,438**
CAR	60,303	59,024	63,353	58,766	60,126
Ilocos Region	2	2	1	1	1
Cagayan Valley	802	818	758	713	594
Central Luzon	4	4	4	4	1
CALABARZON	18	20	22	46	44
MIMAROPA					
Bicol Region		21	19	20	21
Western Visayas	129	128	154	149	136
Central Visayas	3,885	4,934	4,516	4,165	4,169
Eastern Visayas	13	13	13	12	12
Zamboanga Peninsula	133	137	139	134	138
Northern Mindanao	1,201	1,347	1,284	1,261	1,296
Davao Region	1,400	1,426	1,406	1,419	1,423
SOCCSKSARGEN	466	447	440	466	479
Caraga	10	7	0.25	4.90	
ARMM					
Area (ha)					
PHILIPPINES	**5,075**	**5,080**	**5,115**	**4,947** R/	**4,921**
CAR	3,382	3,373	3,453	3,359	3,356
Ilocos Region	1	1	1	1	1
Cagayan Valley	119	116	110	103	94
Central Luzon	2	2	2	2	1
CALABARZON	3	4	4	8	8
MIMAROPA					
Bicol Region		4	4	5	5
Western Visayas	21	21	24	24	23
Central Visayas	815	832	788	699	690
Eastern Visayas	4	4	4	4	4
Zamboanga Peninsula	87	89	90	94	95
Northern Mindanao	131	141	140	137	136
Davao Region	369	350	351	362	354
SOCCSKSARGEN	140	143	143	147	154
Caraga	2	2	1	2	
ARMM					
Yield Per Hectare (mt)					
PHILIPPINES	**13.47**	**13.45**	**14.10**	**13.58**	**13.91**
CAR	17.83	17.50	18.35	17.50	17.92
Ilocos Region	3.07	2.67	2.33	2.60	2.18
Cagayan Valley	6.74	7.05	6.89	6.92	6.32
Central Luzon	2.08	1.98	1.88	1.92	0.53
CALABARZON	6.14	5.62	5.03	5.53	5.85
MIMAROPA					
Bicol Region		5.25	4.75	4.00	4.16
Western Visayas	6.09	6.09	6.41	6.17	5.90
Central Visayas	4.77	5.93	5.73	5.96	6.04
Eastern Visayas	3.64	3.14	3.20	3.15	3.11
Zamboanga Peninsula	1.54	1.55	1.54	1.43	1.45
Northern Mindanao	9.15	9.58	9.17	9.24	9.53
Davao Region	3.79	4.07	4.01	3.92	4.02
SOCCSKSARGEN	3.33	3.12	3.08	3.17	3.10
Caraga	4.53	4.37	0.18	2.45	
ARMM					

R/ - Revised

Table 5.13 CAULIFLOWER: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**10,758**	**10,559**	**11,102**	**11,583**	**11,633**
CAR	4,972	4,957	5,210	5,290	5,302
Ilocos Region	4,605	4,152	4,574	4,682	4,642
Cagayan Valley	67	103	87	308	272
Central Luzon	32	29	28	27	25
CALABARZON	1	6	4	3	3
MIMAROPA					
Bicol Region					
Western Visayas	6	5	6	47	70
Central Visayas	77	86	76	84	116
Eastern Visayas					
Zamboanga Peninsula	3	3	3	4	4
Northern Mindanao	691	927	834	902	946
Davao Region	162	157	153	105	116
SOCCSKSARGEN	143	134	128	131	135
Caraga					1
ARMM					
Area (ha)					
PHILIPPINES	**1,004**	**997**	**987**	**1,067**	**1,080**
CAR	345	344	340	341	339
Ilocos Region	443	409	421	422	422
Cagayan Valley	23	34	30	100	100
Central Luzon	6	5	5	5	4
CALABARZON	0.30	1	1	1	1
MIMAROPA					
Bicol Region					
Western Visayas	1	1	1	6	11
Central Visayas	27	27	22	23	29
Eastern Visayas					
Zamboanga Peninsula	2	2	2	3	4
Northern Mindanao	91	109	104	112	117
Davao Region	34	33	33	26	25
SOCCSKSARGEN	32	33	29	28	29
Caraga					0.35
ARMM					
Yield Per Hectare (mt)					
PHILIPPINES	**10.72**	**10.59**	**11.25**	**10.85**	**10.77**
CAR	14.41	14.41	15.32	15.54	15.66
Ilocos Region	10.40	10.16	10.88	11.08	10.99
Cagayan Valley	2.92	3.03	2.90	3.08	2.72
Central Luzon	5.33	5.76	5.52	5.46	5.70
CALABARZON	2.77	6.00	3.80	2.70	2.95
MIMAROPA					
Bicol Region					
Western Visayas	7.01	6.44	6.54	7.21	6.69
Central Visayas	2.86	3.18	3.44	3.62	3.99
Eastern Visayas					
Zamboanga Peninsula	1.27	1.43	1.52	1.56	1.26
Northern Mindanao	7.59	8.50	8.06	8.05	8.09
Davao Region	4.76	4.76	4.63	4.04	4.75
SOCCSKSARGEN	4.51	4.05	4.45	4.69	4.70
Caraga					1.97
ARMM					

Table 5.14 GABI: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**115,956**	**115,218**	**110,761**	**110,719**	**111,482**
CAR	5,148	5,182	4,723	4,734	4,776
Ilocos Region	3,569	3,344	3,234	3,202	3,197
Cagayan Valley	15,165	14,881	13,436	14,510	15,282
Central Luzon	6,778	6,766	6,766	6,797	6,829
CALABARZON	6,463	6,177	6,115	6,173	6,318
MIMAROPA	3,083	3,190	3,258	3,360	3,463
Bicol Region	14,158	13,807	13,482	12,991	12,535
Western Visayas	4,890	4,935	4,816	4,911	4,925
Central Visayas	9,837	9,604	7,278	7,356	6,328
Eastern Visayas	20,253	20,815	20,945	21,306	22,113
Zamboanga Peninsula	1,518	1,488	1,408	1,360	1,360
Northern Mindanao	2,639	2,618	2,710	2,879	2,999
Davao Region	2,913	2,937	3,048	3,216	3,185
SOCCSKSARGEN	4,060	4,230	4,415	4,567	4,778
Caraga	14,460	14,230	14,134	12,385	12,400
ARMM	1,021	1,014	993	972	993
Area (ha)					
PHILIPPINES	**18,168**	**17,882**	**16,998**	**16,827**	**16,352**
CAR	446	449	421	420	425
Ilocos Region	483	506	495	494	492
Cagayan Valley	1,749	1,715	1,644	1,691	1,675
Central Luzon	963	968	963	970	972
CALABARZON	1,022	1,009	989	985	983
MIMAROPA	669	681	685	704	712
Bicol Region	1,622	1,571	1,547	1,504	1,462
Western Visayas	663	668	659	661	657
Central Visayas	2,209	1,964	1,482	1,408	1,156
Eastern Visayas	4,635	4,686	4,707	4,714	4,566
Zamboanga Peninsula	338	319	308	302	304
Northern Mindanao	275	278	280	291	297
Davao Region	341	343	345	397	401
SOCCSKSARGEN	283	287	289	291	296
Caraga	2,315	2,286	2,041	1,856	1,822
ARMM	154	151	143	137	132
Yield Per Hectare (mt)					
PHILIPPINES	**6.38**	**6.44**	**6.52**	**6.58**	**6.82**
CAR	11.54	11.54	11.22	11.28	11.24
Ilocos Region	7.39	6.61	6.54	6.48	6.50
Cagayan Valley	8.67	8.68	8.17	8.58	9.12
Central Luzon	7.04	6.99	7.03	7.01	7.03
CALABARZON	6.32	6.12	6.18	6.27	6.43
MIMAROPA	4.61	4.68	4.75	4.77	4.86
Bicol Region	8.73	8.79	8.71	8.64	8.57
Western Visayas	7.38	7.39	7.31	7.42	7.50
Central Visayas	4.45	4.89	4.91	5.22	5.47
Eastern Visayas	4.37	4.44	4.45	4.52	4.84
Zamboanga Peninsula	4.49	4.66	4.57	4.51	4.48
Northern Mindanao	9.60	9.42	9.70	9.89	10.10
Davao Region	8.54	8.56	8.84	8.10	7.94
SOCCSKSARGEN	14.35	14.76	15.26	15.68	16.13
Caraga	6.25	6.22	6.93	6.67	6.81
ARMM	6.64	6.70	6.93	7.09	7.52

Table 5.15 GINGER: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**27,538**	**27,415**	**27,097**	**27,755**	**27,631**
CAR	1,053	1,040	996	960	955
Ilocos Region	751	787	789	844	866
Cagayan Valley	5,574	5,462	5,244	5,162	4,992
Central Luzon	1,173	1,140	1,149	1,160	1,181
CALABARZON	4,707	4,463	4,386	4,521	3,868
MIMAROPA	313	324	362	441	481
Bicol Region	295	292	294	293	306
Western Visayas	1,398	1,418	1,313	1,377	1,434
Central Visayas	1,722	1,675	1,686	1,800	1,798
Eastern Visayas	2,132	2,153	2,132	2,175	2,206
Zamboanga Peninsula	576	568	565	579	630
Northern Mindanao	4,678	4,864	5,022	5,360	5,713
Davao Region	1,060	1,094	1,138	1,162	1,152
SOCCSKSARGEN	770	883	843	817	816
Caraga	477	373	307	230	253
ARMM	860	879	872	875	978
Area (ha)					
PHILIPPINES	**3,926**	**3,948**	**3,967**	**4,037**	**4,004**
CAR	154	155	151	145	143
Ilocos Region	116	122	123	130	133
Cagayan Valley	811	812	797	776	748
Central Luzon	178	171	174	176	180
CALABARZON	406	409	411	428	378
MIMAROPA	104	103	107	126	128
Bicol Region	70	71	73	73	77
Western Visayas	216	220	211	219	221
Central Visayas	326	331	335	342	335
Eastern Visayas	272	271	275	279	284
Zamboanga Peninsula	112	114	115	123	137
Northern Mindanao	661	668	671	692	719
Davao Region	227	253	260	265	256
SOCCSKSARGEN	98	103	100	106	106
Caraga	58	49	44	35	34
ARMM	118	97	121	123	127
Yield Per Hectare (mt)					
PHILIPPINES	**7.01**	**6.94**	**6.83**	**6.88**	**6.90**
CAR	6.84	6.73	6.62	6.63	6.70
Ilocos Region	6.49	6.48	6.41	6.49	6.52
Cagayan Valley	6.87	6.73	6.58	6.65	6.67
Central Luzon	6.59	6.67	6.60	6.61	6.56
CALABARZON	11.59	10.91	10.67	10.56	10.23
MIMAROPA	3.02	3.15	3.39	3.51	3.77
Bicol Region	4.21	4.11	4.05	4.01	4.00
Western Visayas	6.46	6.46	6.22	6.30	6.49
Central Visayas	5.28	5.06	5.03	5.26	5.37
Eastern Visayas	7.84	7.93	7.77	7.79	7.78
Zamboanga Peninsula	5.14	4.97	4.91	4.73	4.59
Northern Mindanao	7.08	7.28	7.48	7.74	7.95
Davao Region	4.68	4.32	4.38	4.39	4.50
SOCCSKSARGEN	7.89	8.60	8.41	7.70	7.66
Caraga	8.17	7.56	6.98	6.60	7.38
ARMM	7.30	9.05	7.22	7.11	7.73

Table 5.16 GOURD: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**104,029**	**102,787**	**97,586**	**93,780**	**92,564**
CAR	1,288	1,289	1,307	1,308	1,316
Ilocos Region	10,754	10,313	10,509	10,252	10,634
Cagayan Valley	14,949	14,460	12,906	12,748	12,295
Central Luzon	9,726	9,715	9,636	9,661	9,687
CALABARZON	29,851	30,868	30,581	29,943	29,369
MIMAROPA	447	464	487	506	517
Bicol Region	3,514	3,309	3,326	3,223	3,315
Western Visayas	2,366	2,481	2,467	2,533	2,532
Central Visayas	7,416	7,848	5,682	4,494	4,167
Eastern Visayas	3,664	3,710	3,685	3,730	3,770
Zamboanga Peninsula	8,972	8,181	6,778	5,833	5,186
Northern Mindanao	3,718	3,406	3,467	3,482	3,538
Davao Region	3,088	3,107	3,150	3,114	3,106
SOCCSKSARGEN	1,500	1,517	1,444	1,428	1,438
Caraga	1,922	1,276	1,323	716	840
ARMM	854	840	837	810	853
Area (ha)					
PHILIPPINES	**8,305**	**8,152**	**7,847**	**7,773**	**7,763**
CAR	176	175	177	177	180
Ilocos Region	686	681	682	682	694
Cagayan Valley	1,012	1,002	856	839	823
Central Luzon	638	640	636	636	645
CALABARZON	2,760	2,727	2,649	2,702	2,680
MIMAROPA	74	81	83	89	90
Bicol Region	263	256	257	255	257
Western Visayas	220	224	223	225	227
Central Visayas	558	550	537	505	512
Eastern Visayas	304	307	309	308	309
Zamboanga Peninsula	594	535	446	389	355
Northern Mindanao	398	355	356	354	371
Davao Region	336	339	344	346	360
SOCCSKSARGEN	126	128	120	117	116
Caraga	98	91	112	85	82
ARMM	63	62	62	64	63
Yield Per Hectare (mt)					
PHILIPPINES	**12.53**	**12.61**	**12.44**	**12.07**	**11.92**
CAR	7.32	7.37	7.41	7.41	7.33
Ilocos Region	15.68	15.15	15.42	15.02	15.32
Cagayan Valley	14.77	14.43	15.08	15.19	14.94
Central Luzon	15.24	15.18	15.15	15.20	15.03
CALABARZON	10.82	11.32	11.55	11.08	10.96
MIMAROPA	6.07	5.72	5.84	5.71	5.75
Bicol Region	13.36	12.93	12.97	12.65	12.89
Western Visayas	10.78	11.07	11.07	11.24	11.16
Central Visayas	13.29	14.27	10.58	8.90	8.14
Eastern Visayas	12.06	12.08	11.94	12.09	12.21
Zamboanga Peninsula	15.10	15.29	15.20	14.99	14.63
Northern Mindanao	9.35	9.60	9.73	9.84	9.55
Davao Region	9.19	9.17	9.16	9.00	8.63
SOCCSKSARGEN	11.91	11.89	12.02	12.20	12.37
Caraga	19.59	14.02	11.81	8.47	10.26
ARMM	13.59	13.63	13.61	12.63	13.46

Table 5.17 HABITCHUELAS: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**16,897**	**16,187**	**15,820**	**15,426**	**15,322**
CAR	8,374	8,119	8,196	7,961	8,108
Ilocos Region	350	339	322	321	335
Cagayan Valley	4,965	4,421	3,904	3,434	3,091
Central Luzon	47	48	47	47	47
CALABARZON	150	135	135	164	188
MIMAROPA	0.12				
Bicol Region	800	806	813	816	834
Western Visayas	129	126	133	135	134
Central Visayas	565	646	768	1,004	1,045
Eastern Visayas	501	496	481	487	475
Zamboanga Peninsula	58	60	60	64	63
Northern Mindanao	522	579	560	596	595
Davao Region	146	143	148	137	138
SOCCSKSARGEN	255	240	214	225	236
Caraga	27	24	33	30	31
ARMM	7	6	6	5	4
Area (ha)					
PHILIPPINES	**3,723**	**3,662**	**3,770**	**3,632** R/	**3,565**
CAR	1,287	1,267	1,289	1,292	1,286
Ilocos Region	186	186	180	173	177
Cagayan Valley	830	767	840	697	655
Central Luzon	30	30	30	29	28
CALABARZON	74	71	67	69	77
MIMAROPA					
Bicol Region	218	220	222	221	227
Western Visayas	30	30	31	32	33
Central Visayas	530	551	568	575	543
Eastern Visayas	167	160	160	160	149
Zamboanga Peninsula	72	75	76	74	83
Northern Mindanao	93	97	92	94	99
Davao Region	129	133	131	131	123
SOCCSKSARGEN	53	53	58	60	61
Caraga	20	18	22	21 R/	22
ARMM	3	3	4	4	3
Yield Per Hectare (mt)					
PHILIPPINES	**4.54**	**4.42**	**4.20**	**4.25**	**4.30**
CAR	6.51	6.41	6.36	6.16	6.31
Ilocos Region	1.89	1.82	1.79	1.86	1.89
Cagayan Valley	5.98	5.76	4.65	4.93	4.72
Central Luzon	1.57	1.59	1.58	1.61	1.66
CALABARZON	2.04	1.91	2.02	2.40	2.44
MIMAROPA					
Bicol Region	3.66	3.66	3.66	3.69	3.68
Western Visayas	4.29	4.18	4.29	4.20	4.00
Central Visayas	1.07	1.17	1.35	1.74	1.92
Eastern Visayas	3.00	3.10	3.01	3.05	3.19
Zamboanga Peninsula	0.81	0.79	0.79	0.86	0.75
Northern Mindanao	5.59	5.99	6.12	6.37	6.04
Davao Region	1.13	1.07	1.13	1.05	1.12
SOCCSKSARGEN	4.81	4.54	3.68	3.77	3.86
Caraga	1.33	1.32	1.48	1.43	1.43
ARMM	2.48	2.10	1.50	1.31	1.48

R/ - Revised

Table 5.18 LETTUCE: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**3,566**	**3,577**	**3,634**	**3,519**	**3,646**
CAR	1,404	1,395	1,486	1,233	1,270
Ilocos Region					
Cagayan Valley				0.10	0.20
Central Luzon					
CALABARZON	131	118	110	109	137
MIMAROPA					
Bicol Region					
Western Visayas	19	19	18	28	33
Central Visayas	157	173	201	267	317
Eastern Visayas	1	1	1	1	1
Zamboanga Peninsula	17	19	18	20	21
Northern Mindanao	1,783	1,795	1,757	1,816	1,821
Davao Region	5	5	5	5	5
SOCCSKSARGEN	49	52	37	40	41
Caraga			1	0.30	0.03
ARMM					
Area (ha)					
PHILIPPINES	**440**	**451**	**466**	**482**	**500**
CAR	151	149	160	159	165
Ilocos Region					
Cagayan Valley				0.33	1
Central Luzon					
CALABARZON	13	12	13	13	16
MIMAROPA					
Bicol Region					
Western Visayas	4	3	4	6	6
Central Visayas	78	85	96	106	111
Eastern Visayas	2	3	4	4	4
Zamboanga Peninsula	4	4	4	5	6
Northern Mindanao	166	172	164	168	167
Davao Region	4	4	4	4	4
SOCCSKSARGEN	18	18	17	18	20
Caraga			0.33	0.15	0.02
ARMM					
Yield Per Hectare (mt)					
PHILIPPINES	**8.10**	**7.93**	**7.80**	**7.29**	**7.29**
CAR	9.30	9.36	9.29	7.76	7.70
Ilocos Region					
Cagayan Valley				0.30	0.20
Central Luzon					
CALABARZON	9.86	9.61	8.17	8.23	8.54
MIMAROPA					
Bicol Region					
Western Visayas	5.34	5.91	5.04	5.05	5.30
Central Visayas	2.01	2.04	2.10	2.52	2.86
Eastern Visayas	0.24	0.27	0.19	0.19	0.20
Zamboanga Peninsula	4.30	4.51	4.46	4.52	3.40
Northern Mindanao	10.77	10.44	10.71	10.83	10.92
Davao Region	1.13	1.14	1.13	1.12	1.16
SOCCSKSARGEN	2.74	2.84	2.20	2.17	1.99
Caraga			2.17	2.00	1.50
ARMM					

Table 5.19 OKRA: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**29,485**	**29,710**	**29,716**	**29,129**	**29,767**
CAR	31	32	34	34	40
Ilocos Region	1,604	1,566	1,577	1,628	1,624
Cagayan Valley	5,850	5,696	5,214	5,466	5,525
Central Luzon	10,759	10,790	10,851	10,855	10,877
CALABARZON	1,390	1,380	1,640	1,720	1,819
MIMAROPA	147	162	182	197	213
Bicol Region	1,721	1,777	1,778	1,776	1,864
Western Visayas	1,396	1,451	1,455	1,562	1,622
Central Visayas	1,950	2,119	2,194	1,402	1,478
Eastern Visayas	923	941	942	954	982
Zamboanga Peninsula	366	379	385	411	424
Northern Mindanao	1,464	1,505	1,532	1,633	1,715
Davao Region	502	519	535	539	557
SOCCSKSARGEN	507	522	506	516	522
Caraga	842	837	860	403	470
ARMM	33	34	33	34	35
Area (ha)					
PHILIPPINES	**3,488**	**3,555**	**3,570**	**3,497**	**3,568**
CAR	15	16	16	16	19
Ilocos Region	164	163	169	174	173
Cagayan Valley	694	691	630	657	651
Central Luzon	719	733	743	719	729
CALABARZON	145	138	159	169	172
MIMAROPA	87	91	99	104	109
Bicol Region	175	175	176	172	176
Western Visayas	227	229	231	245	253
Central Visayas	249	282	290	209	208
Eastern Visayas	148	153	154	155	157
Zamboanga Peninsula	126	133	139	146	152
Northern Mindanao	310	299	308	309	324
Davao Region	165	184	190	183	197
SOCCSKSARGEN	106	109	108	111	112
Caraga	141	142	139	106	115
ARMM	17	18	19	22	22
Yield Per Hectare (mt)					
PHILIPPINES	**8.45**	**8.36**	**8.32**	**8.33**	**8.34**
CAR	2.08	2.04	2.18	2.18	2.14
Ilocos Region	9.77	9.64	9.32	9.34	9.38
Cagayan Valley	8.43	8.24	8.28	8.32	8.49
Central Luzon	14.96	14.72	14.60	15.10	14.93
CALABARZON	9.59	10.00	10.31	10.16	10.56
MIMAROPA	1.70	1.78	1.83	1.90	1.96
Bicol Region	9.83	10.15	10.08	10.34	10.60
Western Visayas	6.15	6.33	6.28	6.37	6.41
Central Visayas	7.83	7.51	7.56	6.72	7.09
Eastern Visayas	6.22	6.17	6.13	6.15	6.27
Zamboanga Peninsula	2.91	2.85	2.78	2.81	2.79
Northern Mindanao	4.72	5.03	4.98	5.29	5.30
Davao Region	3.04	2.82	2.82	2.94	2.83
SOCCSKSARGEN	4.80	4.81	4.67	4.65	4.66
Caraga	5.99	5.90	6.18	3.80	4.09
ARMM	1.91	1.89	1.74	1.50	1.57

Table 5.20 PECHAY-CHINESE: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**50,099**	**49,451**	**52,222**	**50,581**	**51,618**
CAR	44,971	43,879	46,497	44,389	45,170
Ilocos Region	3	3	3	3	3
Cagayan Valley	177	162	146	178	193
Central Luzon					
CALABARZON	154	151	151	166	163
MIMAROPA					
Bicol Region					
Western Visayas					
Central Visayas	2,736	2,855	3,014	3,256	3,339
Eastern Visayas	2	3	2	2	2
Zamboanga Peninsula	80	80	77	79	80
Northern Mindanao	1,245	1,585	1,606	1,778	1,917
Davao Region	389	392	404	408	400
SOCCSKSARGEN	341	343	323	324	352
Caraga					
ARMM					
Area (ha)					
PHILIPPINES	**3,728**	**3,736**	**3,735**	**3,742**	**3,759**
CAR	2,878	2,827	2,819	2,791	2,791
Ilocos Region	1	0.46	0.43	0.40	0.37
Cagayan Valley	27	24	23	26	31
Central Luzon					
CALABARZON	33	36	36	34	35
MIMAROPA					
Bicol Region					
Western Visayas					
Central Visayas	457	469	479	496	487
Eastern Visayas	2	2	2	2	2
Zamboanga Peninsula	11	10	9	10	11
Northern Mindanao	176	209	208	228	240
Davao Region	83	95	99	97	99
SOCCSKSARGEN	61	62	60	59	64
Caraga					
ARMM					
Yield Per Hectare (mt)					
PHILIPPINES	**13.44**	**13.24**	**13.98**	**13.52**	**13.73**
CAR	15.63	15.52	16.49	15.90	16.18
Ilocos Region	5.45	6.10	5.92	7.50	7.30
Cagayan Valley	6.54	6.66	6.35	6.83	6.22
Central Luzon					
CALABARZON	4.68	4.19	4.19	4.87	4.74
MIMAROPA					
Bicol Region					
Western Visayas					
Central Visayas	5.99	6.09	6.29	6.57	6.86
Eastern Visayas	1.08	1.20	1.16	0.86	0.86
Zamboanga Peninsula	7.55	7.77	8.72	7.81	7.09
Northern Mindanao	7.07	7.58	7.72	7.80	8.00
Davao Region	4.69	4.12	4.08	4.23	4.04
SOCCSKSARGEN	5.59	5.51	5.41	5.51	5.50
Caraga					
ARMM					

Table 5.21 PECHAY-NATIVE: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**45,396**	**44,922**	**44,861**	**44,525**	**45,096**
CAR	4,358	4,329	4,133	4,102	4,110
Ilocos Region	2,173	2,075	2,146	2,230	2,296
Cagayan Valley	6,141	5,839	5,335	5,339	5,472
Central Luzon	2,724	2,720	2,813	2,774	2,798
CALABARZON	6,210	6,156	6,377	6,777	6,940
MIMAROPA	363	385	419	429	443
Bicol Region	13,819	13,753	13,957	13,442	13,458
Western Visayas	1,686	1,750	1,775	1,825	1,820
Central Visayas	1,516	1,528	1,507	1,199	1,357
Eastern Visayas	961	948	940	921	932
Zamboanga Peninsula	1,344	1,375	1,349	1,396	1,368
Northern Mindanao	1,116	1,167	1,225	1,265	1,265
Davao Region	1,211	1,218	1,275	1,274	1,256
SOCCSKSARGEN	555	571	559	545	557
Caraga	831	720	666	614	645
ARMM	389	388	384	393	382
Area (ha)					
PHILIPPINES	**7,185**	**7,194**	**7,097**	**7,079**	**7,116**
CAR	564	560	536	529	530
Ilocos Region	474	465	452	452	456
Cagayan Valley	975	917	858	857	857
Central Luzon	333	340	310	348	355
CALABARZON	746	748	766	780	791
MIMAROPA	175	181	190	192	197
Bicol Region	2,253	2,252	2,258	2,248	2,239
Western Visayas	248	254	256	264	264
Central Visayas	239	286	296	220	229
Eastern Visayas	171	167	167	166	170
Zamboanga Peninsula	255	259	254	262	253
Northern Mindanao	178	192	195	200	207
Davao Region	194	202	206	209	216
SOCCSKSARGEN	138	141	131	128	126
Caraga	148	135	128	125	128
ARMM	95	96	95	99	98
Yield Per Hectare (mt)					
PHILIPPINES	**6.32**	**6.24**	**6.32**	**6.29**	**6.34**
CAR	7.73	7.73	7.72	7.76	7.75
Ilocos Region	4.58	4.47	4.74	4.94	5.03
Cagayan Valley	6.30	6.37	6.22	6.23	6.38
Central Luzon	8.18	8.00	9.07	7.97	7.88
CALABARZON	8.32	8.23	8.33	8.69	8.77
MIMAROPA	2.08	2.13	2.21	2.23	2.24
Bicol Region	6.13	6.11	6.18	5.98	6.01
Western Visayas	6.81	6.89	6.93	6.91	6.91
Central Visayas	6.35	5.34	5.10	5.45	5.93
Eastern Visayas	5.62	5.67	5.63	5.56	5.49
Zamboanga Peninsula	5.27	5.31	5.31	5.33	5.40
Northern Mindanao	6.29	6.09	6.28	6.33	6.12
Davao Region	6.24	6.03	6.19	6.11	5.83
SOCCSKSARGEN	4.02	4.05	4.27	4.25	4.41
Caraga	5.61	5.33	5.23	4.90	5.04
ARMM	4.11	4.06	4.04	3.96	3.91

Table 5.22 UBI: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**24,185**	**22,567**	**21,892**	**17,844**	**15,799**
CAR	156	161	146	159	158
Ilocos Region	180	180	201	205	228
Cagayan Valley	2,282	2,131	1,757	1,694	1,696
Central Luzon	558	540	553	561	561
CALABARZON	466	518	626	648	653
MIMAROPA	356	417	424	458	496
Bicol Region	683	662	657	625	600
Western Visayas	636	658	651	670	677
Central Visayas	15,700	14,092	13,722	9,753	7,528
Eastern Visayas	840	845	841	845	947
Zamboanga Peninsula	252	258	250	253	258
Northern Mindanao	798	828	867	872	932
Davao Region	408	409	427	402	384
SOCCSKSARGEN	321	332	316	318	313
Caraga	259	217	145	71	58
ARMM	292	319	308	310	310
Area (ha)					
PHILIPPINES	**5,212**	**4,929**	**4,744**	**2,974**	**2,622**
CAR	25	27	28	29	31
Ilocos Region	19	19	20	19	20
Cagayan Valley	333	315	293	275	272
Central Luzon	98	90	90	94	92
CALABARZON	110	112	114	114	113
MIMAROPA	102	102	93	100	104
Bicol Region	104	98	97	94	92
Western Visayas	95	105	99	99	100
Central Visayas	3,588	3,312	3,178	1,449	1,091
Eastern Visayas	230	233	233	232	241
Zamboanga Peninsula	57	58	59	59	63
Northern Mindanao	198	198	189	184	183
Davao Region	73	80	83	76	68
SOCCSKSARGEN	74	77	74	74	73
Caraga	56	53	44	27	29
ARMM	51	53	52	51	51
Yield Per Hectare (mt)					
PHILIPPINES	**4.64**	**4.58**	**4.61**	**6.00**	**6.02**
CAR	6.22	6.07	5.23	5.57	5.10
Ilocos Region	9.52	9.28	10.29	11.06	11.34
Cagayan Valley	6.85	6.77	6.00	6.16	6.24
Central Luzon	5.69	6.00	6.14	6.00	6.10
CALABARZON	4.23	4.63	5.49	5.69	5.81
MIMAROPA	3.50	4.10	4.58	4.59	4.77
Bicol Region	6.57	6.79	6.81	6.68	6.55
Western Visayas	6.70	6.25	6.60	6.79	6.75
Central Visayas	4.38	4.25	4.32	6.73	6.90
Eastern Visayas	3.65	3.63	3.60	3.64	3.93
Zamboanga Peninsula	4.41	4.46	4.27	4.27	4.11
Northern Mindanao	4.04	4.19	4.59	4.74	5.09
Davao Region	5.60	5.14	5.14	5.33	5.67
SOCCSKSARGEN	4.33	4.31	4.27	4.28	4.30
Caraga	4.67	4.13	3.28	2.63	1.97
ARMM	5.72	6.02	5.92	6.07	6.09

Table 5.23 WHITE POTATO: PRODUCTION, AREA AND YIELD PER HECTARE, BY REGION, PHILIPPINES, 2008-2012

Region	2008	2009	2010	2011	2012
Production (mt)					
PHILIPPINES	**121,311**	**119,159**	**124,671**	**120,574**	**119,570**
CAR	103,303	101,061	107,182	103,135	102,434
Ilocos Region					
Cagayan Valley	521	536	441	443	421
Central Luzon	3	3	3	3	3
CALABARZON					
MIMAROPA					
Bicol Region	0.13				
Western Visayas					
Central Visayas	57	52	56	58	55
Eastern Visayas					
Zamboanga Peninsula					
Northern Mindanao	6,945	7,025	6,870	6,745	6,550
Davao Region	9,841	9,859	9,558	9,601	9,513
SOCCSKSARGEN	641	624	562	589	595
Caraga					
ARMM					
Area (ha)					
PHILIPPINES	**7,994**	**7,904**	**8,129**	**8,171**	**8,096**
CAR	5,932	5,824	6,069	6,116	6,083
Ilocos Region			-		
Cagayan Valley	76	79	70	69	66
Central Luzon	1	1	1	1	1
CALABARZON					
MIMAROPA					
Bicol Region	1				
Western Visayas					
Central Visayas	20	19	21	21	18
Eastern Visayas					
Zamboanga Peninsula					
Northern Mindanao	562	573	568	560	550
Davao Region	1,322	1,329	1,329	1,330	1,303
SOCCSKSARGEN	79	79	72	74	75
Caraga					
ARMM					
Yield Per Hectare (mt)					
PHILIPPINES	**15.18**	**15.08**	**15.34**	**14.76**	**14.77**
CAR	17.41	17.35	17.66	16.86	16.84
Ilocos Region					
Cagayan Valley	6.86	6.79	6.30	6.42	6.38
Central Luzon	2.61	2.65	2.64	2.62	2.63
CALABARZON					
MIMAROPA					
Bicol Region	0.13				
Western Visayas					
Central Visayas	2.77	2.69	2.69	2.74	3.05
Eastern Visayas					
Zamboanga Peninsula					
Northern Mindanao	12.36	12.26	12.10	12.04	11.91
Davao Region	7.44	7.42	7.19	7.22	7.30
SOCCSKSARGEN	8.09	7.92	7.79	7.91	7.95
Caraga					
ARMM					

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