



Republic of the Philippines
DEPARTMENT OF AGRICULTURE
Bureau of Agricultural Statistics
Quezon Avenue, Quezon City

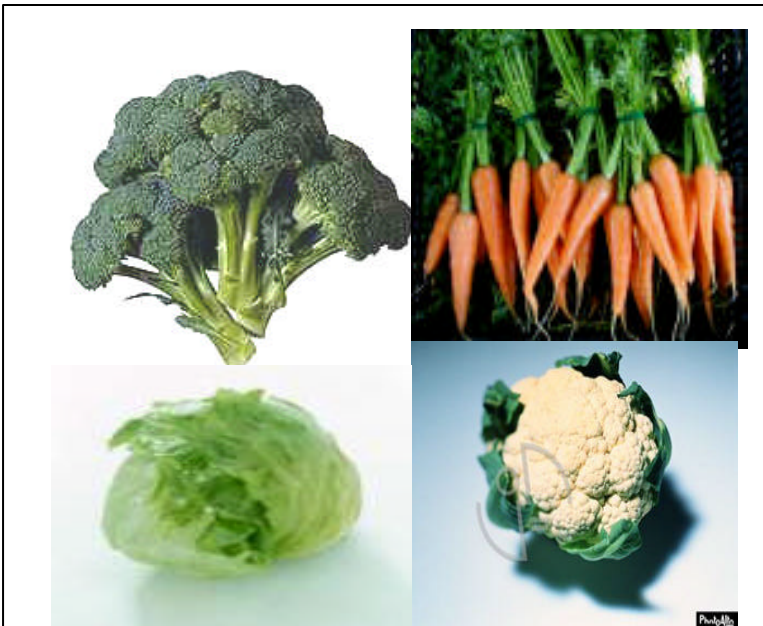
Situationer on Highland Vegetables

(Broccoli, Carrot, Cauliflower and Lettuce)

January – June 2005

VOLUME 2

NO. 1



August 2005

EXPLANATORY NOTES

Beginning the first semester of 2005, *Situationer on Highland Vegetables* which focuses on **broccoli, carrot, cauliflower** and **lettuce**, the crops covered in the Key Commodity Road Maps of the Department of Agriculture, will provide updates on **production, area, yield, prices** and **trade**. The reference period is the recent semester in the current year in comparison with the same semester a year ago. Due to time lag in the release of data, prices and trade for the most recent semester, however, are available only for the first three months of the semester.

This **situationer** complements the time series data on production published annually by the Bureau of Agricultural Statistics (BAS).

.....

TABLE OF CONTENTS

EXPLANATORY NOTES	i
TABLE OF CONTENTS	ii
PRODUCTION, AREA AND YIELD	1
TOP PRODUCING PROVINCES	3
FARMGATE, WHOLESALE AND RETAIL PRICES	5
EXPORTS	6
IMPORTS	7
TABLES	
Table 1. HIGHLAND VEGETABLES: Volume of Production, Area Harvested, and Yield, by Semester, Philippines, 2004-2005	8
Table 2. BROCCOLI:: Volume of Production, Area Harvested, and Yield, by Semester, Philippines, 2004-2005	9
Table 3. CAULIFLOWER: Volume of Production, Area Harvested, and Yield, by Semester, Philippines, 2004-2005	10
Table 4. CARROTS: Volume of Production, Area Harvested, and Yield, by Semester, Philippines, 2004-2005	11
Table 5. LETTUCE: Volume of Production, Area Harvested, and Yield, by Semester, Philippines, 2004-2005	12
Table 6. HIGHLAND VEGETABLES: Average Monthly Farmgate, Wholesale, and Retail Prices, Philippines, 2004-2005	13
Table 7. HIGHLAND VEGETABLES: Volume and Value of Exports by Country of Destination, Philippines, by semester, 2004-2005	14
Table 8. HIGHLAND VEGETABLES: Volume and Value of Imports by Country of Origin, Philippines, by semester, 2004-2005	15

PRODUCTION, AREA AND YIELD

Broccoli and lettuce production improved while carrots and cauliflower indicated reduced output in January to June 2005 compared with the same semester in 2004.

Broccoli production grew by **16.0 percent** from **1.2 thousand metric tons** in January-June 2004 to **1.4 thousand metric tons** in January-June 2005. Crop shifting from asparagus to broccoli in Benguet, the major producer of broccoli; and expansion in area harvested by **15.0 percent** in Benguet and Bukidnon contributed to output growth.

Production of **cauliflower** during the first six months of 2005 was estimated at **7.5 thousand metric tons**, lower by **14.4 percent** than the **8.6 thousand metric tons** output in the same period in 2004. The drop in production was mainly due to reduced area harvested, crop shifting to other cash crops that need minimal rainfall, and effect of dry spell in Region 10. Area harvested contracted to **700 hectares** or **5.1 percent** lower than the harvest area of **740 hectares** in January-June 2004 level.

The effect of frosts in Atok, Benguet caused a **one (1) percent** decline in **carrot** production in the period January-June 2005 as total output settles at **16.8 thousand metric tons**. Among the highland vegetables, area harvested for **carrots** was largest at **1.45 thousand hectares** but this was **0.14 percent** below the **1.46 thousand hectares** during the first half of 2004.

The improved Integrated Pest Management (IPM) program in Benguet, the use of hydroponics in commercial farms in Bukidnon, and increased area harvested in the major producing provinces of Benguet, Bukidnon, Mt. Province and North Cotabato resulted in significant increment in **lettuce** production by about **150 percent** in January-June 2005 compared to January-June 2004. **Lettuce** production during the first half of 2005 was recorded at **1.6 thousand metric tons** against **700 metric tons** during the same period in 2004.

Yield per hectare of **broccoli** and **lettuce** for January-June 2005 improved by **0.80 percent (10.6 mt/ha.)** and **43.3 percent (7.2 mt/ha.)**, respectively. Compared to January-June 2004, lower yield by **9.8 percent** at **10.7 metric tons per hectare** was recorded for **cauliflower** while **carrot** yield was down by **0.88 percent** at **11.5 metric tons per hectare**.

Figure 1. HIGHLAND VEGETABLES: Volume of production by semester, Phil., CY 2004-2005

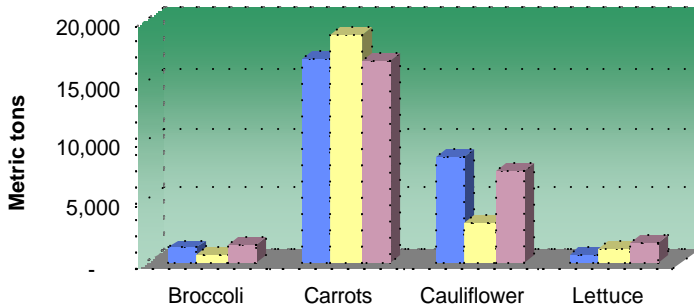


Figure 2. HIGHLAND VEGETABLES : Area harvested by semester, Phil., CY 2004-2005

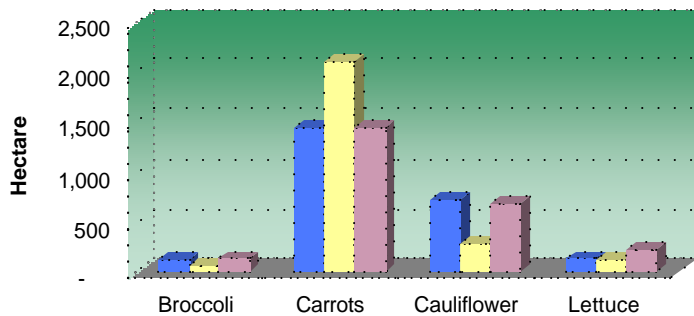
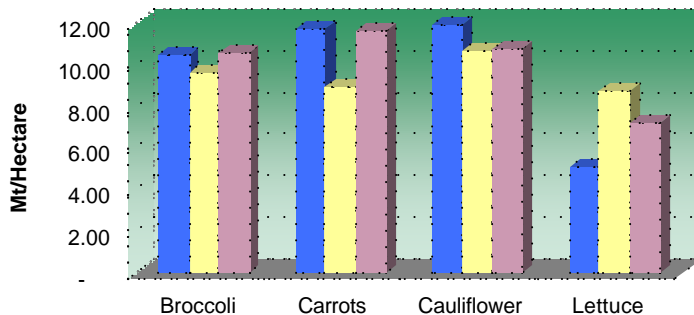


Figure 3. HIGHLAND VEGETABLES: Yield by semester, Phil., CY 2004-2005



Jan-Jun 04 Jul-Dec 04 Jan-Jun 05

TOP PRODUCING PROVINCES

BROCCOLI

During the first semester of 2005, **Benguet** was the top producer of broccoli with an output of **1.2 thousand metric tons** which accounted for **87.4 percent** of the national production. **Bukidnon** followed with a share of **9.1 percent** or **125 metric tons**.

CAULIFLOWER

Ilocos Sur ranked first in cauliflower production (**3.7 thousand metric tons**) in January-June 2005 and shared **49.5 percent** to the national output. The production of the province, however, was down by **27.4 percent** from the January-June 2004 of **5.1 thousand metric tons** which shared **58.2 percent** to the national output during the period. The decline in output was mainly attributed to decrease in area harvested due to shifting to eggplant, pechay and corn, effect of black spot virus, and minimal rainfall during the period in the province.

Benguet was the second largest producer at **3.5 thousand metric tons** with a share of **46.2 percent** to national output in the first half of 2005.

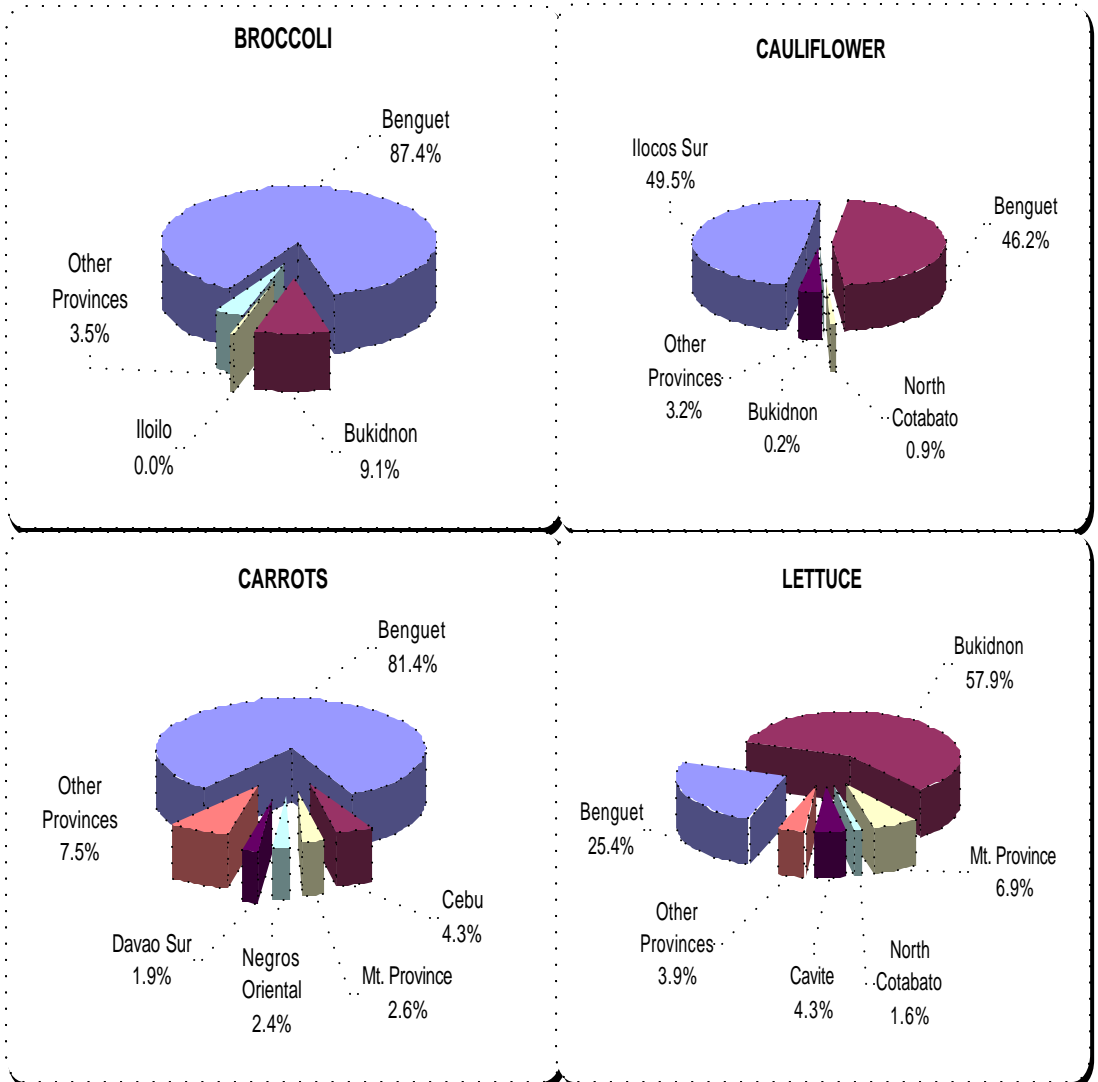
CARROTS

During the first semester of 2005, **Benguet** production was **13.7 thousand metric tons** or **81.4 percent** share to total output. **Cebu** followed at **722 metric tons** or **4.3 percent** share. Other major producers were **Mt. Province**, **Negros Oriental** and **Davao del Sur**.

LETTUCE

Lettuce is predominantly grown in **Benguet and Bukidnon**. During the January-June 2005 period, **Bukidnon** was the top producer with **959 metric tons** or **57.9 percent** of total production. Output from **Benguet** was **421 metric tons** or **25.4 percent** of total production. This was a reverse situation in the same period last year when **Benguet** led in lettuce production with **62.6 percent** contribution to total output while **Bukidnon's** production share was only **6.2 percent**.

Figure 4. HIGHLAND VEGETABLES: Distribution of Production by Province, Philippines, January-June 2005



FARMGATE, WHOLESALE AND RETAIL PRICES

BROCCOLI

Average monthly **farmgate price** of broccoli for **January-March 2005** was **P9.00** per kilogram or **47.9 percent** lower than January-March 2004.

At **wholesale**, 2005 monthly prices were on the downtrend, from **P35.46** per kilogram in January to **P28.54** in March. The January-March 2005 average price was **P31.36** per kilogram, higher by **P6.36** than the same period in 2004.

CAULIFLOWER

Average monthly **farmgate price** for January to March 2005 was **P8.19** per kilogram, **P0.29** lower than last year's level.

Average **farmgate price** was highest in August 2004 at **P31.85** per kilogram which was thrice than the January-March 2005 average price.

Average **wholesale price** in the first quarter of 2005 was **P24.59** per kilogram or **1.44 percent** above the average price of **P24.24** in the same period of 2004.

CARROTS

Average monthly **farmgate, wholesale and retail prices** of carrots in January-March 2005 were relatively higher than the prices in the same period of the previous year.

The January-March 2005 **farmgate price** was **P16.96** per kilogram, up remarkably by **229.3 percent** from the same period last year.

Average **wholesale price** for the first quarter of 2005 was quoted at **P29.29** per kilogram from **P21.52** of the same quarter in 2004 or an increase by **36.11 percent**.

At **retail**, average selling price of carrots during the first quarter of 2005 was higher by **P8.69** per kilogram compared to last year's **P36.09**.

In general, carrot prices tend to increase during the third quarter of every year which is the off-peak season.

Figure 5. BROCCOLI: Monthly farmgate wholesale and retail prices, Philippines CY 2004-2005

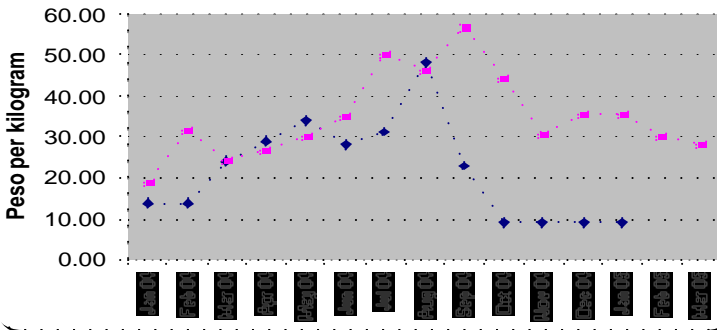


Figure 6. CAULIFLOWER: Monthly farmgate, wholesale and retail prices, Philippines CY 2004-2005

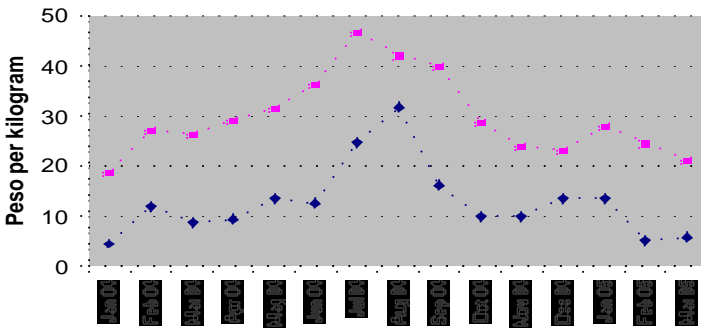
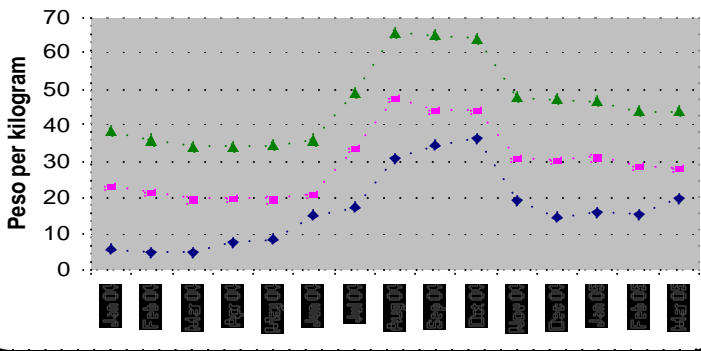


Figure 7. CARROTS: Monthly farmgate wholesale and retail prices, Philippines CY 2004-2005



—◆— Farm —■— Wholesale —▲— Retail

EXPORTS

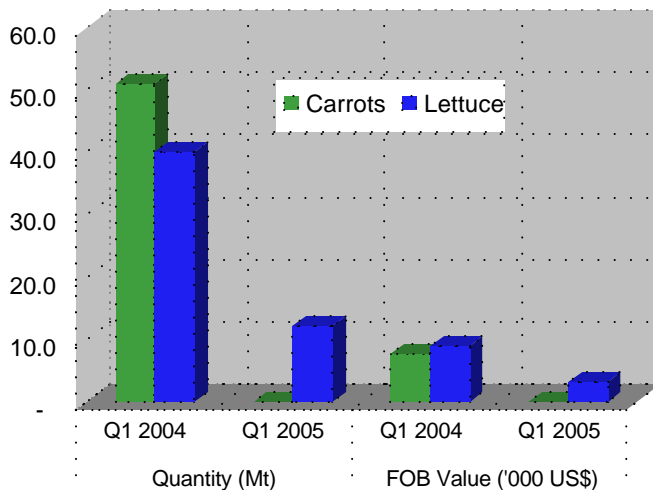
CARROTS

No exports were recorded during the first three months of 2005. In 2004, the country shipped out **51.0 metric tons** of **fresh/chilled carrots** mainly to **Malaysia**.

LETTUCE

From January to March 2005, **lettuce** exports were recorded at **12.3 metric tons**, a decline by **69.4 percent** compared to January-June 2004. Export receipts amounted to **FOB US\$ 3.2 thousand**. **Fresh/chilled lettuce** were shipped to **Japan** and **Singapore** and **head lettuce (cabbage lettuce)** to **Indonesia**.

Figure 8. Highland Vegetables: Volume and Value of Exports, Philippines, First Quarter, 2004-2005



IMPORTS

BROCCOLI (HEADED) AND CAULIFLOWER

In the first quarter of 2005, about **58.0 metric tons** of **fresh/chilled cauliflower and headed broccoli** valued at **CIF US\$ 23.14 thousand** were imported from the **People's Republic of China** and **Australia**, an increase of **26.7 percent** compared to the same quarter a year ago.

CARROTS

The country imported only **95 kilograms** of **fresh/chilled carrots** valued at **CIF US\$ 225.00** during January to March 2005 compared to **200 metric tons** during the first quarter of 2004. Imports came mainly from the **People's Republic of China**.

LETTUCE

Imports in January-March 2005 was **16.9 metric tons** valued at **CIF US\$ 62.7 thousand**, lower by **47.4 percent** compared to January-March 2004.

Around **54.0 percent** of total imports was **fresh/chilled lettuce** which was sourced from **Japan** and **Australia**. The rest were **fresh/chilled cabbage lettuce (head lettuce)** coming from **Australia** and the **People's Republic of China**.

Figure 9. Highland Vegetables: Volume and Value of Imports, Philippines, First Quarter, 2004-2005

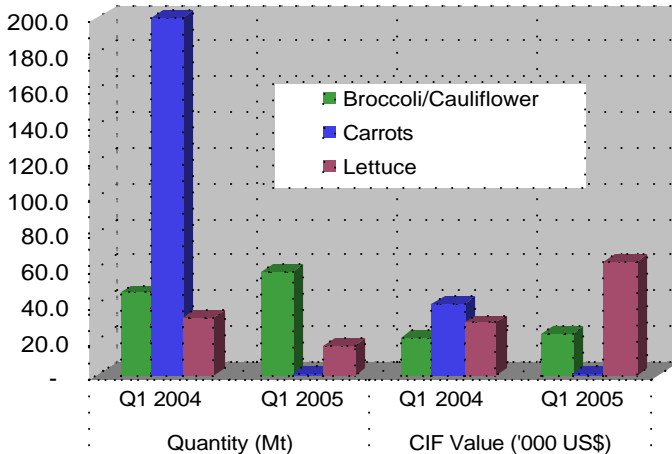


Table 1. HIGHLAND VEGETABLES: Volume of Production, Area Harvested, and Yield, by Semester, Philippines, 2004-2005

ITEM	2004		2005
	Jan-Jun	Jul-Dec	Jan-Jun
<i>Production (Metric tons)</i>			
Broccoli	1,183	574	1,372
Carrots	16,966	18,818	16,794
Cauliflower	8,756	3,252	7,493
Lettuce	661	1,060	1,657
<i>Area Harvested (Hectare)</i>			
Broccoli	113	60	130
Carrots	1,457	2,104	1,455
Cauliflower	739	306	701
Lettuce	131	121	229
<i>Yield (Mt/Ha.)</i>			
Broccoli	10.47	9.57	10.55
Carrots	11.64	8.94	11.54
Cauliflower	11.85	10.63	10.69
Lettuce	5.05	8.76	7.24

Table 2. BROCCOLI: Volume of Production, Area Harvested, and Yield, by Semester, Selected Provinces, Philippines, 2004-2005

ITEM	2004		2005
	Jan-Jun	Jul-Dec	Jan-Jun
<i>Production (Metric tons)</i>	1,183	574	1,372
Benguet	1,179	504	1,199
Bukidnon	4	70	125
Iloilo	-	1	0
Other Provinces	-	0.00	48
<i>Area Harvested (Hectare)</i>	113	60	130
Benguet	106	50	108
Bukidnon	7	10	22
Iloilo	-	0.15	0.05
Other Provinces	-	-	-
<i>Yield (Mt/Ha.)</i>	10.47	9.57	10.55
Benguet	11.12	10.07	11.10
Bukidnon	0.57	7.00	5.68
Iloilo		5.00	7.00
Other Provinces			

Table 3. CAULIFLOWER: Volume of Production, Area Harvested, and Yield, by Semester, Selected Provinces, Philippines, 2004-2005

ITEM	2004		2005
	Jan-Jun	Jul-Dec	Jan-Jun
<i>Production (Metric tons)</i>			
Ilocos Sur	8,756	3,252	7,493
Benguet	5,092	1,560	3,706
North Cotabato	3,405	1,243	3,463
Bukidnon	6	160	70
Other Provinces	13	97	12
	240	192	242
<i>Area Harvested (Hectare)</i>			
Ilocos Sur	739	306	701
Benguet	403	130	348
North Cotabato	254	91	256
Bukidnon	1	26	15
Other Provinces	6	13	6
	75	46	76
<i>Yield (Mt/Ha.)</i>			
Ilocos Sur	11.85	10.63	10.69
Benguet	12.64	12.00	10.65
North Cotabato	13.41	13.65	13.53
Bukidnon	5.92	6.16	4.67
Other Provinces	2.08	7.46	2.05
	3.19	4.17	3.18

Table 4. CARROTS: Volume of Production, Area Harvested, and Yield, by Semester, Selected Provinces, Philippines, 2004-2005

ITEM	2004		2005
	Jan-Jun	Jul-Dec	Jan-Jun
<i>Production (Metric tons)</i>	16,966	18,818	16,794
Benguet	13,940	12,166	13,676
Cebu	743	2,501	722
Mt. Province	364	1,460	428
Negros Oriental	389	558	399
Davao Sur	288	441	314
Other Provinces	1,242	1,692	1,255
<i>Area Harvested (Hectare)</i>	1,457	2,104	1,455
Benguet	794	802	794
Cebu	130	508	121
Mt. Province	38	140	44
Negros Oriental	108	138	110
Davao Sur	82	120	86
Other Provinces	305	396	300
<i>Yield (Mt/Ha.)</i>	11.64	8.94	11.54
Benguet	17.56	15.17	17.22
Cebu	5.72	4.92	5.97
Mt. Province	9.58	10.43	9.74
Negros Oriental	3.60	4.04	3.63
Davao Sur	3.51	3.67	3.65
Other Provinces	4.07	4.27	4.18

Table 5. LETTUCE: Volume of Production, Area Harvested, and Yield, by Semester, Selected Provinces, Philippines, 2004-2005

ITEM	2004		2005
	Jan-Jun	Jul-Dec	Jan-Jun
<i>Production (Metric tons)</i>	661	1,060	1,657
Benguet	414	728	421
Bukidnon	41	150	959
Mt. Province	111	68	114
North Cotabato	7	56	27
Cavite	35	21	71
Other Provinces	55	37	65
<i>Area Harvested (Hectare)</i>	131	121	229
Benguet	65	59	65
Bukidnon	9	15	90
Mt. Province	17	11	17
North Cotabato	2	15	12
Cavite	6	4	7
Other Provinces	32	17	38
<i>Yield (Mt/Ha.)</i>	5.05	8.76	7.24
Benguet	6.37	12.35	6.47
Bukidnon	4.50	10.00	10.66
Mt. Province	6.50	6.18	6.71
North Cotabato	3.36	3.70	2.26
Cavite	5.88	5.15	10.19
Other Provinces	1.71	2.21	1.70

Table 6. HIGHLAND VEGETABLES: Average Monthly Farmgate, Wholesale and Retail Prices, Philippines, 2004-2004 (Peso per Kilogram)

Month	Broccoli		Carrots		Cauliflower		Lettuce	
	2004	2005	2004	2005	2004	2005	2004	2005
Farmgate Prices								
Jan	14.00	9.00	5.80	16.08	4.63	13.70		17.00
Feb	13.80		4.84	15.39	11.96	5.11		
Mar	24.00		4.81	19.40	8.86	5.77		4.91
Apr	29.00		7.59		9.37			
May	34.00		8.24		13.67			
Jun	28.00		15.10		12.71			
Jul	31.09		17.13		24.75		24.00	
Aug	48.00		30.59		31.85		29.00	
Sep	23.00		34.59		16.38		18.00	
Oct	9.00		36.57		10.12		17.00	
Nov	9.00		19.05		9.95		23.00	
Dec	9.00		14.24		13.57		14.00	
Jan-Mar Ave.	17.27	9.00	5.15	16.96	8.48	8.19		10.96
Annual Ave.	22.66		16.55		13.99		20.83	
Wholesale Prices								
Jan	18.98	35.46	23.50	31.09	18.92	28.06		
Feb	31.54	30.09	21.31	28.92	27.12	24.66		
Mar	24.48	28.54	19.75	27.87	26.68	21.04		
Apr	26.85		20.07		29.33			
May	30.09		19.57		31.96			
Jun	35.21		20.96		36.35			
Jul	50.10		33.55		46.81			
Aug	46.18		47.69		42.30			
Sep	56.71		44.47		40.03			
Oct	44.36		44.46		28.95			
Nov	30.82		30.85		24.16			
Dec	35.39		30.27		23.34			
Jan-Mar Ave.	25.00	31.36	21.52	29.29	24.24	24.59		
Annual Ave.	35.89		29.70		31.33			
Retail Prices								
Jan			38.43	46.59				
Feb			35.73	43.70				
Mar			34.10	44.05				
Apr			33.84					
May			34.47					
Jun			35.93					
Jul			49.23					
Aug			65.90					
Sep			65.03					
Oct			63.85					
Nov			47.82					
Dec			46.95					
Jan-Mar Ave.			36.09	44.78				
Annual Ave.			45.94					

Table 7. Highland Vegetables: Volume of Exports by Country of Destination and FOB Value, Philippines, by Semester, 2004-2005

Item	Quantity (kilograms)		FOB Value (US\$)	
	Jan-Mar 2004	Jan-Mar 2005	Jan-Mar 2004	Jan-Mar 2005
<u>Lettuce</u>	40,200	12,278	9,000	3,214
Cabbage Lettuce(Head Lettuce), Fresh/Chilled	40,200	-	9,000	-
Indonesia (Includes West Irian)	40,200		9,000	
Lettuce, Fresh/Chilled, Other Than Head Lettuce	-	12,278	-	3,214
Japan (Excludes Okinawa)		7,278		2,458
Singapore		5,000		756
<u>Carrots</u>	51,000	-	7,598	-
Carrots, Fresh/Chilled	51,000	-	7,598	-
Malaysia (Federation of Malaya)	51,000		7,598	

Source: NSO

Table 8. Highland Vegetables: Volume of Imports by Country of Origin and CIF Value, Philippines, by Semester, 2004-2005

Item	Quantity (kilograms)		CIF Value (US\$)	
	Jan-Mar 2004	Jan-Mar 2005	Jan-Mar 2004	Jan-Mar 2005
<u>Lettuce</u>	32,170	16,930	29,588	62,736
Cabbage Lettuce(Head Lettuce), Fresh/Chilled	23,156	7,817	16,788	30,707
Australia	23,156	7,817	16,788	30,707
China, People's Rep of				
Lettuce, Fresh/Chilled, Other Than Head Lettuce	9,014	9,113	12,800	32,029
Australia	9,014	9,113	12,800	32,029
Japan (Excludes Okinawa)				
<u>Carrots</u>	200,000	95	40,000	225
Carrots, Fresh/Chilled	200,000	95	40,000	225
China, People's Rep of	200,000	95	40,000	225
Carrots, Dried, Whole, Cut, Sliced, Broken Or In Powder, But Not Further Prepared	-	-	-	-
Belgium				
China, People's Rep of				
<u>Cauliflower and Broccoli</u>	45,546	57,689	20,602	23,141
Cauliflower & Headed Broccoli, Fresh/Chilled	44,974	57,689	19,553	23,141
Australia	44,974	26,368	19,553	13,258
China, People's Rep of		31,321		9,883
Japan (Excludes Okinawa)				
USA				
Cauliflower, Dried, Whole, Cut, Sliced, Broken Or In Powder, But Not Further Prepared	572	-	1,049	-
Singapore	572		1,049	

Source: NSO

Department of Agriculture
BUREAU OF AGRICULTURAL STATISTICS
1184 Ben-Lor Building, Quezon Avenue, Quezon City
CROPS STATISTICS DIVISION, Vegetables and Rootcrops Statistics Section
+632 - 3712067

<http://bas.gov.ph>