

Carnaryon Plantation Industry Production Statistics 2012



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Features of 2012

Rainfall in 2012 was significantly below the average Carnarvon rainfall of 230.8mm. The total rainfall was 119.40mm recorded at the Department of Agriculture and Food weather station. The largest rain event was in December when 28.6mm was recorded over seven days. This was a significant decrease from the previous year when 467.4mm was recorded.

No frosts were recorded, with the lowest temperature being 3.7 C in July. The hottest temperature was 43.2 C in January.

The Gascoyne River flowed from 30 January to 21 March 2012 and the highest peak was 1.9m recorded at the Nine Mile Bridge gauging station, Carnarvon in February 2012. No further flows were recorded for the remainder of the year. The Department of Water declared unrestricted pumping for the month of February .

During March the river receded and the electrical conductivity increased to more than 176mS/m (millisiemens per metre) at 25 degrees Celsius (1000mg/L TDS – milligrams per litre total dissolved solids). This caused saline intrusion into part of the aquifers which reduced the available storage of usable water.

The total draw from Subarea A in 2012 was 3.39GL, comprising 0.4GL unrestricted pumping and 2.99GL restricted pumping. Draw from Subarea B-L for irrigation scheme water was 7.0GL including 0.2GL relief water drawn from October to December 2012.

Installation of the new scheme pipeline was completed in February with all members of the scheme being moved over to the new mains by mid-December 2012. The capacity of the new mains far exceeds that of the old system, resulting in lower flow velocities in the new pipeline. Remedial measures are being identified to assist in reducing pressure differences across the scheme.

The banana industry remained stable at 54 growers over the year and the area under production remained similar at 181 hectares, increasing by 1 hectare from December 2011. A few new growers joined the Carnarvon Banana Producer's Committee and a few have dropped out due to selling or leasing of plantations. District average production was 33.38 tonnes per hectare which is up from 2011 by 7.42 tonnes per hectare. This was due to growers reaching their pre-December 2010 production levels before the monsoonal low affected production.

Gross value of production increased dramatically from 2011 due to growers getting back on track with their planting after the locust damage and flooding that affected horticulture in 2010. Prices of tomatoes and capsicum also rose sharply in 2012 due to factors on the east coast damaging supply such as widespread frost damage, delayed planting in flood-affected areas and damage to crops from flooding.

Stand out variations from 2011 to 2012 include an increase in avocados, grapes, pawpaws and pumpkins. The volume increase in these crops' tonnage was upwards from 75%. The value of bananas dropped dramatically back to historical pricing following the 2011 cyclone in Queensland that caused the price hike for that year.

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We gratefully acknowledge the co-operation of Toll West Transport, Centurion Transport, Nexus Transport, Gascoyne Gold, Bureau of Meteorology, Department of Water, Carnarvon Growers Association, Norm Carroll and the Perth Market Authority, in providing the data used in this publication.

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Table 1 Summary and comparisons for 2010, 2011 and 2012

2010 2012 PRODUCE Tonnes Gross value \$ Tonnes Gross value \$ Tonnes Gross value \$ **Bananas** 7,186,720 9,861,581 4.946 4.789 22,142,863 6,748 9<u>%</u> % of all crops 13% 10% 16% 31% 16% Vegetables 22,686,599 16,480,667 28,293,053 16,387 8,754 11,760 27% % of all crops 44% 31% 29% 23% 28% Tree fruits 1,101 3,746,450 1,671 3,542,562 4,719,762 1,500 % of all crops 5% 3% 6% 5% 4% 5% 11,375,164 Grapes 1,428 14,136,477 755 5,760,088 1,329 % of all crops 4% 19% 3% 8% 3% 11% Rockmelon, Honeydew & 9,383 7,873,133 5,934 5,424,112 6,478 4,996,612 Watermelon % of all crops 16% 8% 22% 7% 22% 8% **Tomatoes** 41,845,506 7,830 20,526,127 7,363 19,129,246 11,786 % of all crops 21% 28% 25% 28% 40% 27% **TOTALS** 37,625 73,706,485 29,810 72,052,039 42,507 103,968,198

Table 2 Annual production by crop for 2012 compared with 2011

	2011		20	2012		% change	
	Tonnes	Value	Tonnes	Value	Tonnes	Value	
AVOCADO	17	52,304	33	139,022	95.4	165.8	
BANANA	4,789	22,142,863	6,748	9,861,581	40.9	-55.5	
GRAPES	755	5,760,088	1,329	11,375,164	76.1	97.5	
GRAPEFRUIT	351	490,725	203	251,717	-42.1	-48.7	
MANGO	1,200	2,657,196	1,063	3,511,848	-11.5	32.2	
PAWPAW	46	82,185	96	265,762	108.2	223.4	
ALL MELONS	6,478	4,996,612	9,383	7,873,133	44.9	57.6	
OTHER FRUIT	57	260,152	105	551,413	84.0	112.0	
Total fruit	13,693	36,442,126	18,961	33,829,639	38.5	-7.2	
BASIL	144	198,656	181	186,533	25.5	-6.1	
BEANS	348	1,274,750	451	2,887,381	29.8	126.5	
BUTTERNUT	429	246,889	257	247,570	-40.1	0.3	
CAPSICUM	2,650	6,294,341	2,423	8,050,349	-8.5	27.9	
CHILLI	373	1,162,424	526	2,944,190	41.0	153.3	
CUCUMBER	408	1,317,964	449	1,512,407	10.2	14.8	
EGGPLANT	628	1,547,833	693	1,863,931	10.4	20.4	
PUMPKIN	2,294	1,594,252	4,764	4,210,208	107.7	164.1	
SWEETCORN	413	710,627	378	614,842	-8.4	-13.5	
TOMATO, CHERRY	1,407	6,918,712	2,426	17,038,470	72.4	146.3	
TOMATO, ROMA			1,548	4,341,223			
TOMATO	5,955	12,210,534	7,812	20,465,813	31.2	67.6	
ZUCCHINI	888	1,345,576	1,317	2,641,223	48.3	96.3	
OTHER VEGETABLES	180	787,355	321	3,134,420	78.4	298.1	
Total vegetables	16,117	35,609,913	23,546	70,138,559	46.1	97.0	
Grand total	29,810	72,052,039	42,507	103,968,198	42.6	44.3	

NOTE:

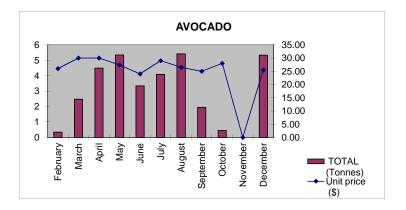
Production figures are taken from transport company manifests and do not include private or local sales or movements north of Carnarvon.

Prices shown are based on the monthly weighted average of "most sales" as published by the Perth Market Authority and from grower returns.

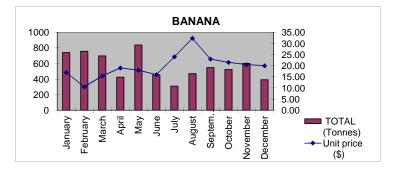
Roma tomato statistics in the past have been included within tomatoes, from 2012 Roma tomatoes will be included seperately.

Table 3 Individual fruit crop production and gross market value 2012

		TOTAL	Unit price	Total value
CROP	MONTH	(Tonnes)	(\$)	(\$)
AVOCADO	January	0.00	0.00	0
Feb - Dec	February	0.34	26.00	1,360
Tray 6.5kg	March	2.48	30.00	11,446
	April	4.49	30.00	20,723
	May	5.34	27.40	22,510
	June	3.34	24.00	12,332
	July	4.08	29.00	18,203
	August	5.41	26.50	22,056
	September	1.95	25.00	7,500
	October	0.46	28.00	1,982
	November	0.00	0.00	0
	December	5.33	25.50	20,910
	TOTALS	33.22	27.20	139,022



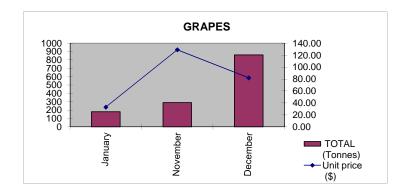
		TOTAL	Unit price	Total value
CROP	MONTH	(Tonnes)	(\$)	(\$)
BANANA	January	739.75	17.00	967,365
All year	February	756.54	10.50	611,052
Carton 13kg	March	696.74	15.40	825,369
	April	423.63	19.00	619,152
	May	837.00	18.00	1,158,923
	June	453.94	16.00	558,695
	July	310.00	24.00	572,308
	August	469.45	32.35	1,168,208
	September	546.51	23.00	966,902
	October	522.83	21.50	864,680
	November	600.90	20.50	947,573
	December	390.88	20.00	601,354
	TOTAL	6,748.17	19.00	9,861,581



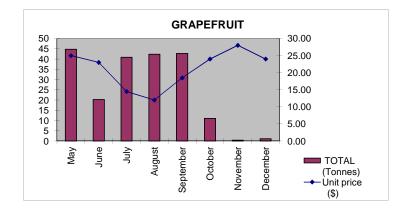
Note: All graphs show unit on the left axis and unit price on the right axis.

		TOTAL	Unit price	Total value
CROP	MONTH	(Tonnes)	(\$)	(\$)
GRAPES	January	180.74	33.00	596,442
Nov - Jan	November	289.30	129.00	3,731,970
Carton 10kg	December	859.36	82.00	7,046,752
	TOTAL	1,329.40	85.57	11,375,164

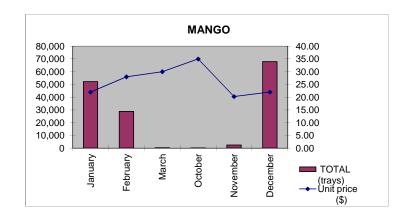
Note: Grape values are difficult to define accurately as there is considerable price variation between varieties and the volume of each variety is not reported.



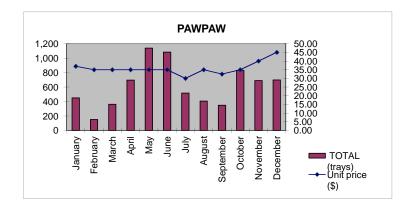
CROP	MONTH	TOTAL (Tonnes)	Unit price (\$)	Total value (\$)
GRAPEFRUIT	May	44.73	25.00	74,550
May - Dec	June	20.21	23.00	30,989
Carton 30 litre	July	40.86	14.50	39,498
	August	42.30	12.00	33,840
	September	42.72	18.50	52,688
	October	11.00	24.00	17,600
	November	0.39	28.00	728
	December	1.14	24.00	1,824
	TOTAL	203.35	18.57	251,717



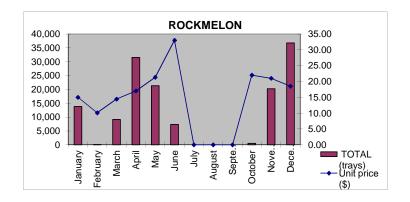
CROP	MONTH	TOTAL (trays)	Unit price (\$)	Total value (\$)
MANGO	January	52,253	22.00	1,149,566
Oct - Mar	February	28,811	28.00	806,708
Tray 6.5kg	March	304	30.00	9,120
	October	101	35.00	3,535
	November	2,418	20.25	48,965
	December	67,907	22.00	1,493,954
	TOTAL	151,794	23.14	3,511,848



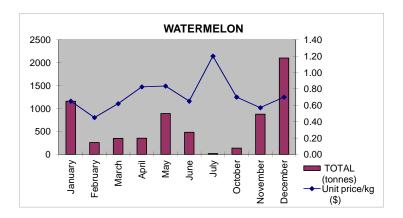
0000	MONTH	TOTAL	Unit price	Total value
CROP	MONTH	(trays)	(\$)	(\$)
PAWPAW	January	451	37.00	16,687
Jan - Dec	February	151	35.00	5,285
Trays 15kg ave	March	361	35.00	12,635
	April	696	35.00	24,360
	May	1,138	35.00	39,830
	June	1,084	35.00	37,940
	July	516	30.00	15,480
	August	405	35.00	14,175
	September	348	32.50	11,310
	October	830	35.00	29,050
	November	690	40.00	27,600
	December	698	45.00	31,410
	TOTAL	7,368	36.07	265,762



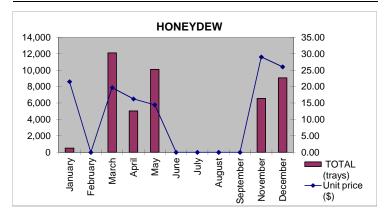
CROP	MONTH	TOTAL (trays)	Unit price (\$)	Total value (\$)
ROCKMELON	January	13,814	15.00	207,210
Jan - Dec	February	35	10.10	354
Tray 15kg	March	9,122	14.44	131,722
	April	31,460	17.00	534,820
	May	21,332	21.33	455,012
	June	7,356	33.00	242,748
	July	0	0.00	0
	August	0	0.00	0
	September	0	0.00	0
	October	516	22.00	11,352
	November	20,240	21.00	425,040
	December	36,733	18.50	679,561
	TOTAL	140,608	19.12	2,687,817



		TOTAL	Unit price/kg	Total value
CROP	MONTH	(tonnes)	(\$)	(\$)
WATERMELON	January	1,160.50	0.65	754,325
Tonnes	February	257.50	0.45	115,875
	March	350.50	0.62	217,310
	April	352.50	0.83	290,813
	May	889.50	0.84	742,733
	June	481.10	0.65	312,715
	July	18.00	1.20	21,600
	October	137.50	0.70	96,250
	November	875.50	0.57	499,035
	December	2,102.00	0.70	1,471,400
	TOTAL	6,624.60	0.68	4,522,055



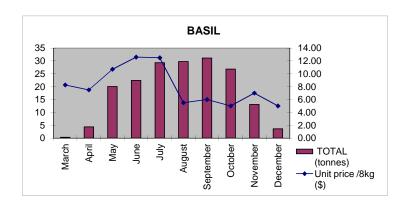
CROP	MONTH	TOTAL (trays)	Unit price (\$)	Total value (\$)
HONEYDEW	January	501	21.50	10,772
Nov - May	February	0	0.00	0
Tray 15kg	March	12,101	19.67	
	April	5,026	16.25	81,673
	May	10,082	14.43	145,483
	June	0	0.00	0
	July	0	0.00	0
	August	0	0.00	0
	September	0	0.00	0
	November	6,543	29.00	189,747
	December	9,061	26.00	235,586
	TOTAL	43,314	15.31	663,260



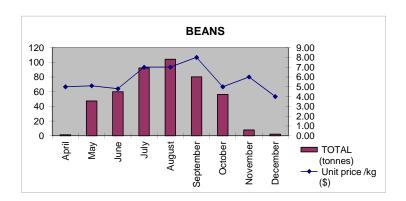
OTHER FRUITS	SEASON	Quantity	Average price (\$)	Total value (\$)
Carambola	Jan - Nov	270	25.00	6,750
Custard apple				
(tray)	Mar - Nov	911	30.00	27,330
Lemon		261	40.00	10,440
Lime (5kg)	March - Dec	1,220	39.31	47,958
Mandarin		858	23.00	19,734
Nectarine				
(tray)	Sept/ Oct	7,343	24.30	178,435
Orange				
(carton)	May - Nov	991	26.58	26,341
Peach (tray)	Sept/Oct	7,778	26.50	206,117
Plum (kg)	Sept - Dec	1,348	21.00	28,308
	TOTAL	20,980		551,413

Table 4 Individual crop vegetable production and gross market value 2012

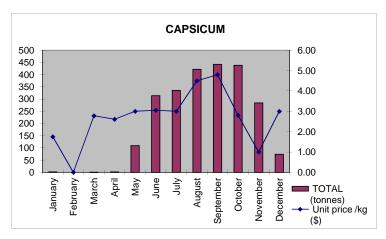
CROP	MONTH	TOTAL (tonnes)	Unit price /8kg (\$)	Total value (\$)
BASIL	March	0.30	8.27	310
Carton 8kg	April	4.37	7.50	4,097
Mar - Dec	May	20.01	10.71	26,788
	June	22.42	12.60	35,312
	July	29.32	12.50	45,813
	August	29.73	5.50	20,439
	September	31.13	6.00	23,348
	October	26.83	5.00	16,769
	November	13.03	7.00	11,401
	December	3.61	5.00	2,256
·	TOTAL	180.75	8.26	186,533



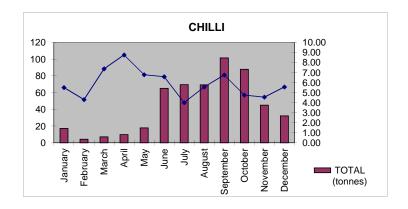
		TOTAL	Unit price /kg	Total value
CROP	MONTH	(tonnes)	(\$)	(\$)
BEANS	April	1.24	5.00	6,200
Stringless	May	47.33	5.10	241,383
Apr - Dec	June	59.86	4.80	287,328
Carton 12kg	July	92.23	7.00	645,610
ave	August	104.14	7.00	728,980
	September	80.17	8.00	641,360
	October	56.26	5.00	281,300
	November	7.81	6.00	46,860
	December	2.09	4.00	8,360
	TOTAL	451.13	6.40	2,887,381



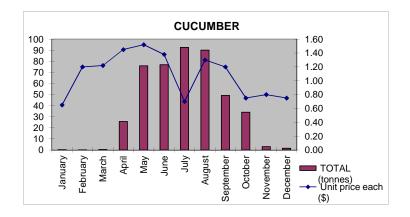
		TOTAL	Unit price /kg	Total value
CROP	MONTH	(tonnes)	(\$)	(\$)
CAPSICUM	January	2.06	1.75	3,605
Mar - Jan	February	0.00	0.00	0
Carton 10kg	March	0.04	2.78	111
	April	1.98	2.61	0
	May	109.27	3.00	327,810
	June	313.84	3.05	957,212
	July	335.44	3.00	1,006,320
	August	422.11	4.50	1,899,495
	September	442.21	4.80	2,122,608
	October	438.41	2.80	1,227,548
	November	284.15	1.00	284,150
	December	73.83	3.00	221,490
	TOTAL	2,423.34	3.32	8,050,349



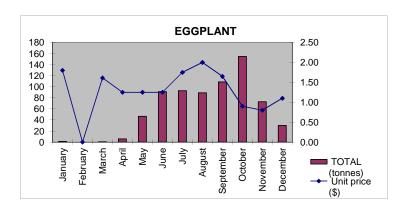
		TOTAL	Unit price /kg	Total value
CROP	MONTH	(tonnes)	(\$)	(\$)
CHILLI	January	17.08	5.50	93,940
All year	February	4.20	4.30	18,060
Carton 10kg	March	7.07	7.37	52,071
Punnets 1kg	April	9.71	8.75	84,963
	May	17.76	6.78	120,413
	June	64.99	6.58	427,634
	July	69.45	4.00	277,453
	August	69.18	5.55	383,949
	September	101.43	6.75	684,653
	October	87.83	4.75	417,193
	November	45.03	4.55	204,887
	December	32.19	5.56	178,976
	TOTAL	525.92	5.60	2,944,190



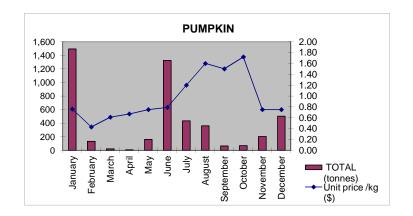
		TOTAL	Unit price each	Total value
CROP	MONTH	(tonnes)	(\$)	(\$)
CUCUMBER	January	0.24	0.65	446
All year	February	0.08	1.20	274
Carton/crate	March	0.36	1.22	1,255
ave 15kg	April	25.64	1.45	106,223
350g fruit	May	75.92	1.52	329,710
	June	76.91	1.38	303,245
	July	92.51	0.70	185,020
	August	90.08	1.30	334,583
	September	49.20	1.20	168,686
	October	34.01	0.75	72,879
	November	2.96	0.80	6,766
	December	1.55	0.75	3,321
	TOTAL	449.46	1.18	1,512,407



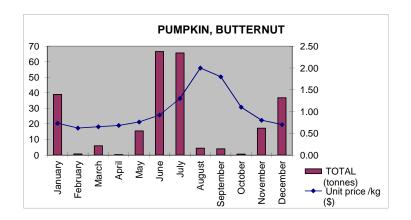
		TOTAL	Unit price	Total value
CROP	MONTH	(tonnes)	(\$)	(\$)
EGGPLANT	January	0.94	1.80	3,384
Apr - Dec	February	0.00	0.00	0
Carton 10kg	March	0.59	1.61	1,900
Average	April	5.72	1.25	14,300
500g/fruit	May	46.38	1.25	115,950
	June	91.02	1.25	227,550
	July	92.89	1.75	325,115
	August	89.04	2.00	356,160
	September	108.60	1.65	358,380
	October	154.79	0.90	278,622
	November	72.87	0.80	116,592
	December	29.99	1.10	65,978
	TOTAL	692.83	1.35	1,863,931



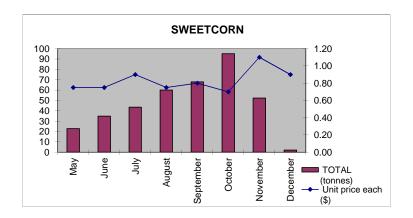
		TOTAL	Unit price /kg	Total value
CROP	MONTH	(tonnes)	(\$)	(\$)
PUMPKIN	January	1,493.00	0.76	1,134,680
Bulk	February	131.10	0.43	56,373
	March	22.00	0.61	13,420
	April	6.50	0.67	4,355
	May	159.40	0.75	119,550
	June	1,323.00	0.79	1,045,170
	July	433.00	1.20	519,600
	August	360.60	1.60	576,960
	September	64.00	1.50	96,000
	October	67.50	1.72	116,100
	November	201.50	0.75	151,125
	December	502.50	0.75	376,875
	TOTAL	4,764.10	0.88	4,210,208



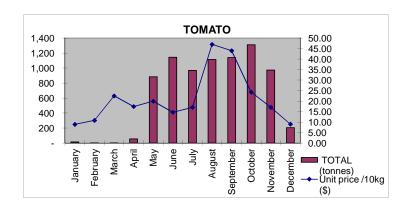
		TOTAL	Unit price /kg	Total value
CROP	MONTH	(tonnes)	(\$)	(\$)
PUMPKIN,	January	39.04	0.73	28,499
BUTTERNUT	February	0.64	0.62	397
Jan - Dec	March	5.92	0.65	3,848
Carton/Crate	April	0.26	0.68	177
ave 18kg	May	15.50	0.76	11,780
	June	66.56	0.92	61,235
	July	65.70	1.30	85,410
	August	4.41	2.00	8,820
	September	4.02	1.80	7,236
	October	0.56	1.10	616
	November	17.24	0.80	13,792
	December	36.80	0.70	25,760
	TOTAL	256.65	0.96	247,570



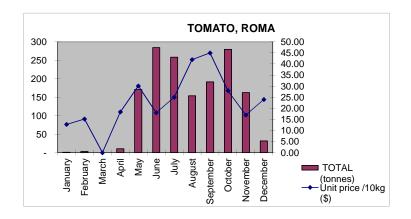
		TOTAL	Unit price each	Total value
CROP	MONTH	(tonnes)	(\$)	(\$)
SWEETCORN	January	0.00	0.00	0
May - Dec	May	22.77	0.75	34,155
12-15kg	June	34.79	0.75	52,185
Ave 30	July	43.45	0.90	78,210
cobs/pack	August	59.96	0.75	89,940
	September	67.87	0.80	108,592
	October	95.04	0.70	133,056
	November	52.23	1.10	114,906
	December	2.11	0.90	3,798
	TOTAL	378.22	0.81	614,842



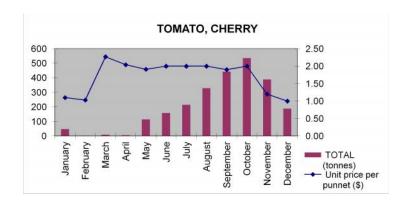
		TOTAL	Unit price /10kg	Total value
CROP	MONTH	(tonnes)	(\$)	(\$)
TOMATO	January	13.76	8.89	12,233
Jan - Dec	February	1.30	10.80	1,404
Average 10kg	March	1.46	22.45	3,278
	April	55.49	17.40	96,553
	May	884.50	19.93	1,762,809
	June	1,143.24	14.64	1,673,703
	July	969.89	17.00	1,648,813
	August	1,115.05	47.00	5,240,735
	September	1,138.84	44.00	5,010,896
	October	1,309.86	24.25	3,176,411
	November	972.98	17.00	1,654,066
	December	205.46	9.00	184,914
	TOTAL	7,811.83	26.20	20,465,813



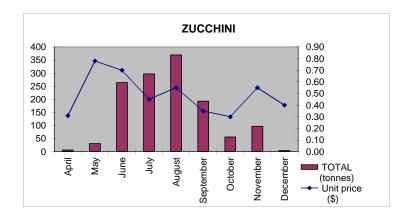
CROP	MONTH	TOTAL (tonnes)	Unit price /10kg (\$)	Total value (\$)
TOMATO,	January	1.00	12.75	1,275
ROMA	February	3.36	15.20	5,107
Jan - Dec	March	0.00	0.00	0
Average 10kg	April	10.50	18.40	19,320
-	May	170.72	30.11	514,038
	June	284.57	18.00	512,226
	July	258.22	25.00	645,550
	August	153.78	42.00	645,876
	September	191.64	45.00	862,380
	October	279.54	28.00	782,712
	November	162.43	17.00	276,131
	December	31.92	24.00	76,608
	TOTAL	1,547.68	28.05	4,341,223



		TOTAL	Unit price per	Total value
CROP	MONTH	(tonnes)	punnet (\$)	(\$)
TOMATO,	January	46.45	1.10	204,380
CHERRY	February	1.70	1.03	7,004
3kg trays	March	8.64	2.27	78,451
12 punnets/tray	April	4.70	2.04	38,352
	May	112.87	1.91	862,327
	June	157.95	2.00	1,263,600
	July	214.06	2.00	1,712,480
	August	327.99	2.00	2,623,920
	September	442.31	1.90	3,361,556
	October	534.67	2.00	4,277,360
	November	387.60	1.20	1,860,480
	December	187.14	1.00	748,560
	TOTAL	2,426.08	2.34	17,038,470



CROP	MONTH	TOTAL (tonnes)	Unit price	
CROP	MONTH	(tornes)	(\$)	(\$)
ZUCCHINI	April	6.06	0.31	7,225
Apr - Sept	May	30.56	0.78	91,680
Carton 10 kg	June	264.06	0.70	710,931
Ave pack 260g	July	296.77	0.45	513,640
	August	369.88	0.55	782,438
	September	193.10	0.35	259,942
	October	55.75	0.30	64,327
	November	97.00	0.55	205,192
	December	3.80	0.40	5,846
	TOTAL	1,316.98	0.53	2,641,223



OTHER VEGETABLE S	Quantity (packs)	Average price /kg (\$)	Total value (\$)
Asparagus	861	11.2	48,216
Courgettes	436	6.75	2,943
Grape tomatoes	18,663	34.50	643,874
Garlic	253	19.75	4,997
Okra	7,492	8.77	328,524
Onion container	3,260	14.05	458,030
Paprika 10kg	15,008	2.55	382,704
Sweet potato	1,087	39.93	781,270
Squash 5kg	18,449	5.80	535,021
TOTAL	64,212		3,134,420