



GOVERNMENT OF SAMOA

SAMOA BUREAU OF STATISTICS

LOCAL MARKET SURVEY DECEMBER 2022

This report provides a monthly review of selected agricultural produce available at the Local Markets in Upolu and Savaii based on the price data and volume index survey. Corresponding tables are attached for ease of reference.

Key findings:

The Local Market Survey in December 2022 showed that the overall volume declined 40 percent while average prices increased 10 percent when compared to November 2022.

- A significant decrease in the supply of most of the agricultural produce strongly contributed to the decline in the volume index.
- The value of supplies decreased 39 percent to \$57,300 from the previous month.
- The total number of sellers decreased 20 percent to 234 in December 2022 from the 291 recorded in November 2022.

Issue: 01/12/22

OVERVIEW

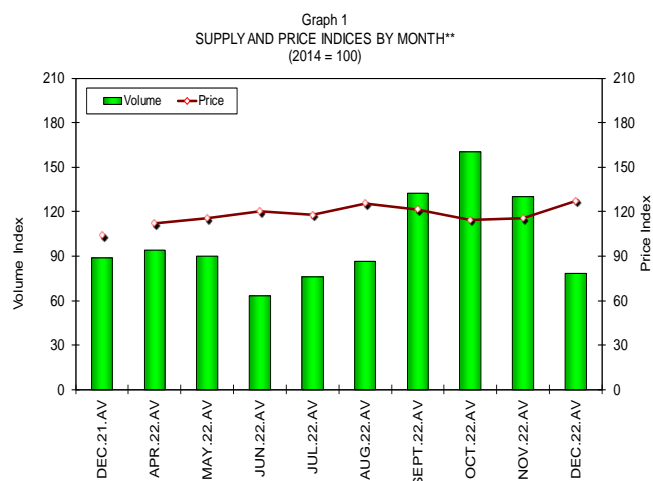
The monthly survey of Agricultural food supplies at the local markets by the Samoa Bureau of Statistics in December 2022 showed a 40 percent decrease in the overall volume from November 2022. This decrease was due to the significant reductions of major agricultural produce supplied to the markets with the exception of ta'amu, breadfruit, head cabbage and cucumber. When compared to December 2021, current supply also decreased by 12 percent. (See Graph 1 and Tables 4 & 5)

The overall price index increased by 10 percent from the previous month due to the significant decreases in the supply

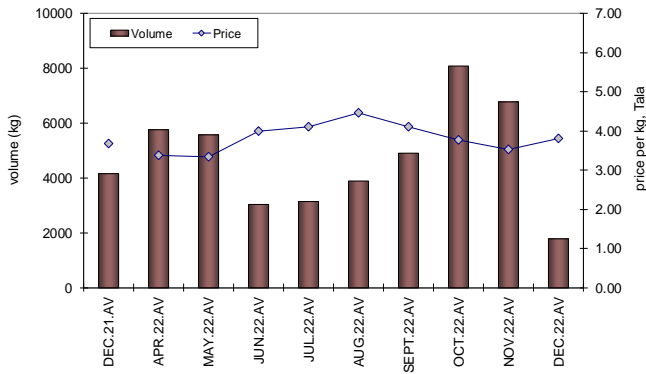
of most produce except for banana and Chinese cabbage. When compared with December 2021, the current overall price level rose 22 percent.

TARO

The supply of taro to the local markets in December 2022 fell 74 percent (to 1,784 kilograms) from the previous month; a level that was 57 percent lower when compared with the same month last year. The average price of taro increased 8 percent from the previous month (to \$3.80 per kilogram) but fell 3 percent compared to December 2021. (See Graph 2 and Tables 1&2)



Graph 2
SUPPLY AND PRICE OF TARO**

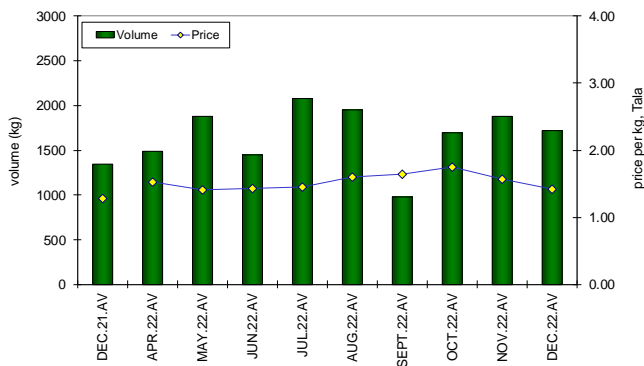


Taro supply dropped 27 percent in the twelve-month period ending December 2022 in comparison to the twelve-month period ending December 2021. Price rose by 65 percent.

BANANA

Banana supplies in the month under review decreased 8 percent (to 1,721 kilograms) from November 2022 while its average price fell by 9 percent (to \$1.42 per kilogram) due to low demand. When compared with the same month last year, current supply and average price of banana both increased 28 percent and 11 percent respectively. (See Graph 3 and Tables 1&2).

Graph 3
SUPPLY AND PRICE OF BANANA**

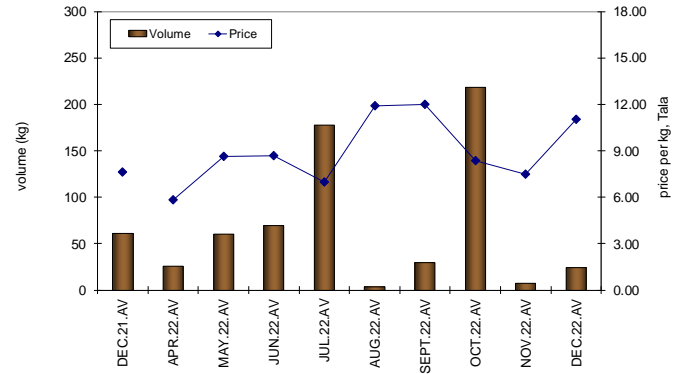


Annually, banana supplies were 13 percent lower compared to the year ended December 2021. Its average price increased 38 percent.

TA'AMU

Ta'amu supply in December 2022 increased more than eleven times from the previous month with its average price increasing by 47 percent (to \$11.05 per kilogram). When compared to December 2021, current supply of ta'amu decreased by 61 percent while average price increased 45 percent. (See Graph 4 and Tables 1&2)

Graph 4
SUPPLY AND PRICE OF TA'AMU**

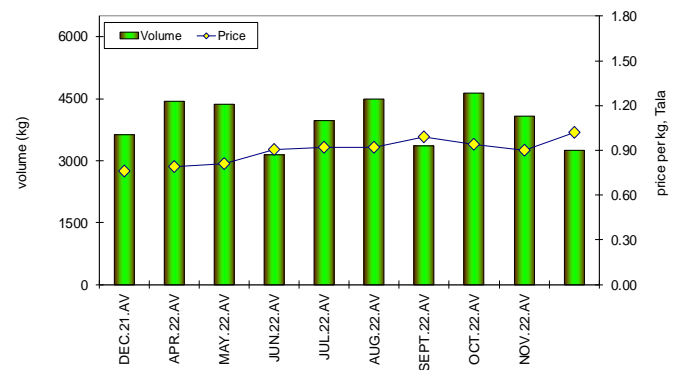


In the year ending December 2022, volume of ta'amu supplied to the markets decreased 41 percent while its price increased by 79 percent in comparison to the year ending December 2021.

COCONUT

In the month under review, the supply of coconut declined by 20 percent (to 3,258 kilograms) from the previous month while limited supply led to the rise in price by 13 percent (to 1.02 per kilogram). In comparison to December 2021, current supply of coconut decreased by 10 percent while average price increased by 34 percent. (See Graph 5 and Tables 1&2)

Graph 5
SUPPLY AND PRICE OF COCONUT**

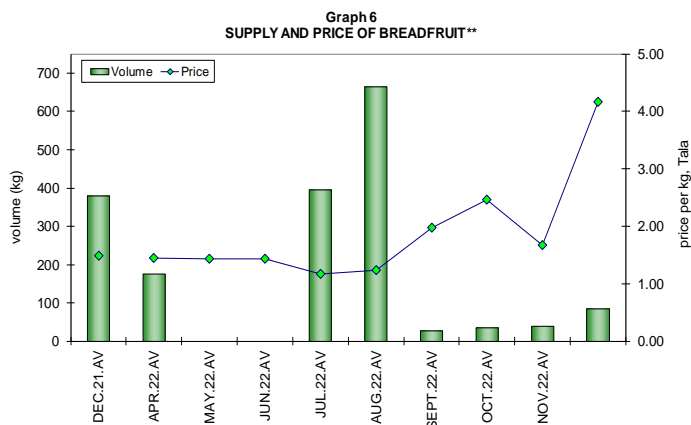


In the twelve months ending December 2022, supply of coconut fell 10 percent. Its average price also dropped 7 percent when compared to the twelve months ending December 2021.

BREADFRUIT

The volume of breadfruit supply in December 2022 was more than doubled from the previous month while its average price went down 32 percent (to \$1.67 per kilogram) due to the increased supply. However, current supply of breadfruit decreased 53

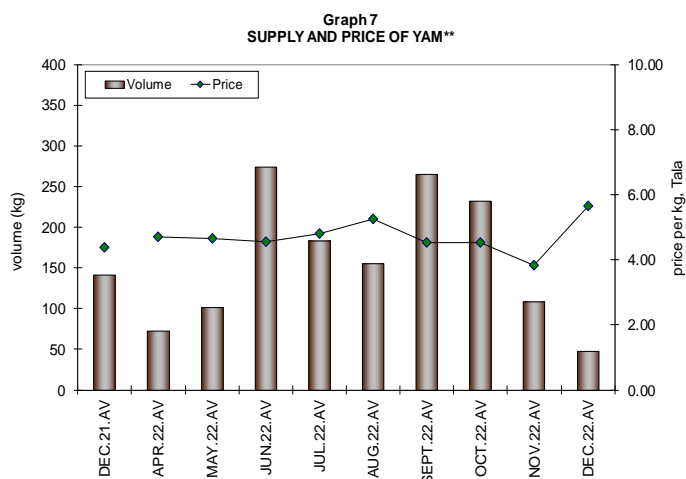
percent and its average price declined 16 percent when compared to November 2022. (See Graph 6 and Tables 1& 2)



Annually, supply of breadfruit rose 8 percent and its average price also rose 23 percent over the year ended December 2022.

YAM

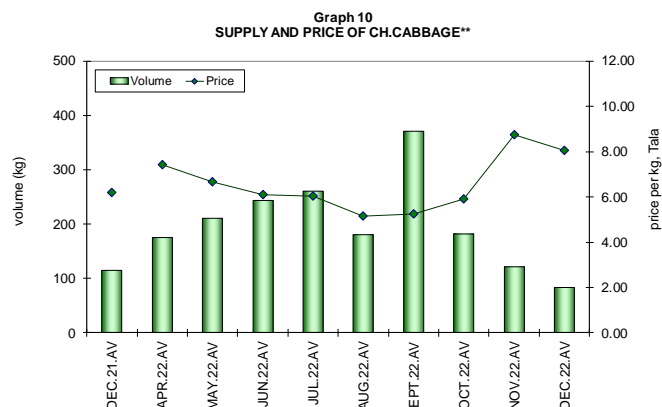
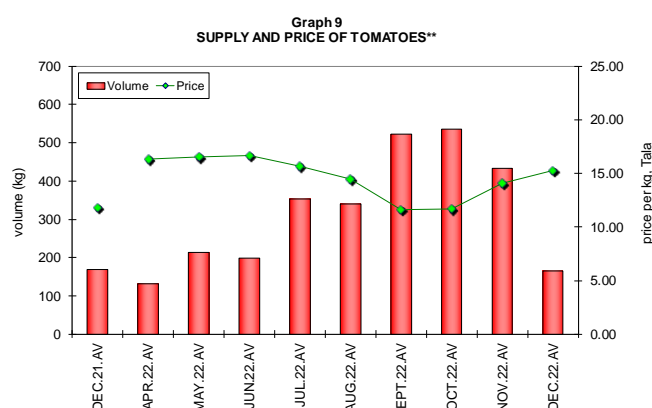
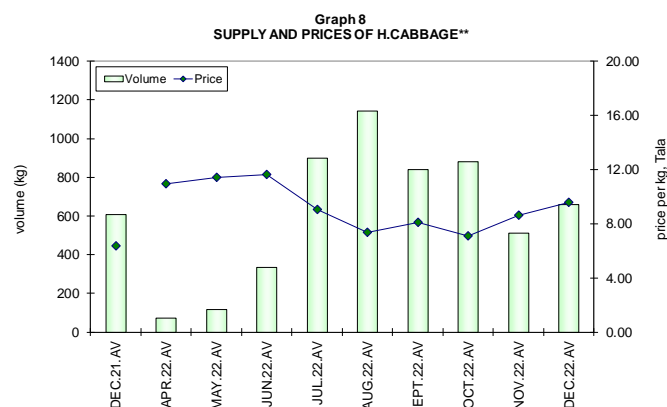
Yam supplies at 47 kilograms decreased by 56 percent compared to the previous month, while its average price increased by 48 percent (to \$5.66 per kilogram) due to the limited supply available at the markets. Current supply of yam decreased 67 percent over the same month last year with its average price increasing by 30 percent. (See Graph 7 and Tables 1 & 2)



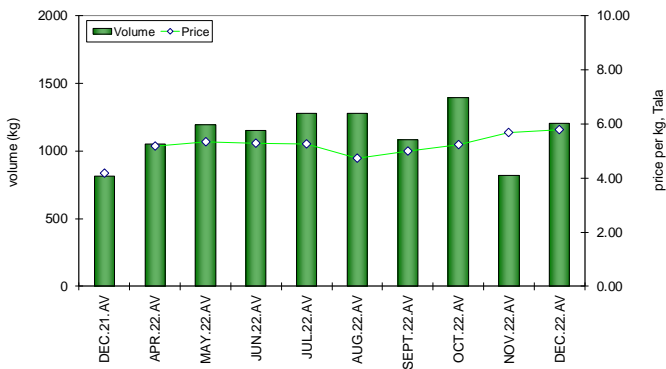
Supply of yam in the twelve months ending December 2022 decreased 15 percent from the twelve months ending December 2021, while its average price rose 27 percent.

VEGETABLE PRODUCE

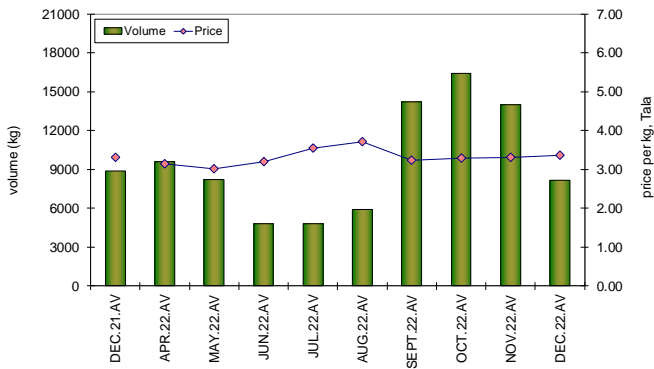
Most of the vegetable produce supplied to the local markets in December 2022 experienced significant decreases with the exception of cucumber and head cabbage whose volume rose 47 percent (to 1,202 kilograms) and 29 percent (to 661 kilograms) respectively from the previous month. Tomato registered the largest drop of 62 percent (to 166 kilograms) followed by pumpkin supplies dropping 42 percent (to 8,143 kilograms) while Chinese cabbage supplies decreased 31 percent (to 84 kilograms when compared to the previous month. (See Graphs 8 to 12 and Tables 1 & 2)



Graph 11
SUPPLY AND PRICE OF CUCUMBER**



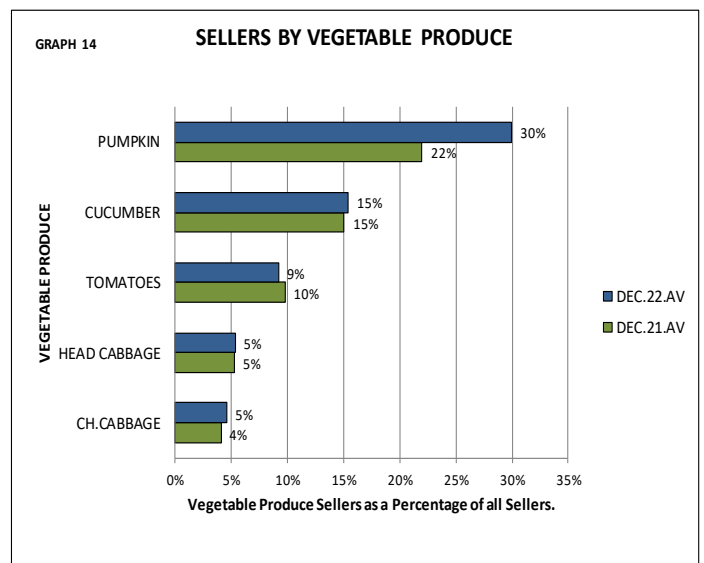
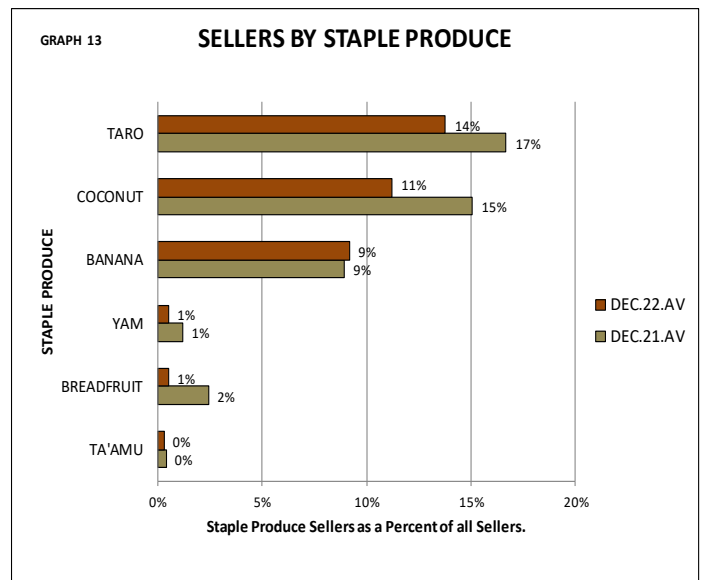
Graph 12
SUPPLY AND PRICE OF PUMPKIN**



Subsequent to the decline in the majority of vegetable produce available at the local market in the month under review, average prices for all vegetables increased except for Chinese cabbage which declined 8 percent (to \$8.05 per kilogram). Price for Head cabbage increased by 11 percent (to \$9.58 per kilogram), tomato prices increased by 9 percent (to \$15.31 per kilogram), cucumber and pumpkin both increased by 2 percent each (to \$5.77 per kilogram) and (to \$3.37 per kilogram) when compared with November 2022.

SELLERS

At 234, the number of sellers at the local markets on the days surveyed in December 2022 decreased 20 percent from the previous month. It fell by 5 percent when compared with the number of sellers in the same month a year ago. (See Graphs 13 and 14 and Table 6).



In December 2022, pumpkin sellers at 70 were the largest group at the local markets, decreasing from the 76 in the previous month but were higher than the 54 in the same month last year. Cucumber sellers followed with a total of 36 from the 27 last month but were lower than 37 in the same month a year ago. Taro sellers recorded a total of 32, down from the 49 in the previous month and 41 in the same month a year ago. The number of coconut sellers was 26, decreasing from the 33 in November 2022 and 37 in December 2021.

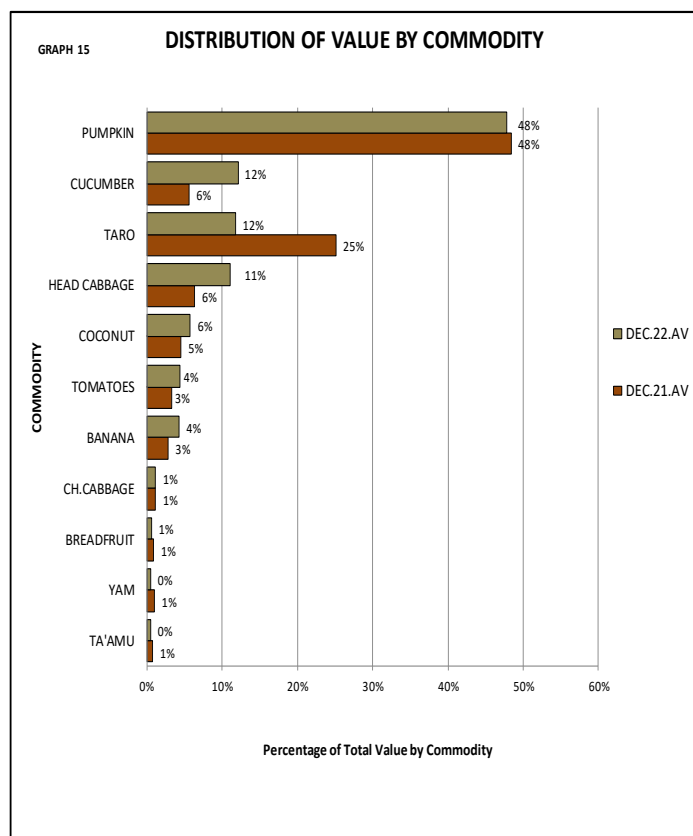
Banana and tomato sellers both recorded 22, with banana sellers decreasing from the 29 in the previous month and but increased when compared to the 18 in the same month a year ago; tomato also decreased from the 54 last year and 24 in the same month a year ago.

Head cabbage sellers recorded an average of 13, increasing from the 11 in the previous month but remained unchanged when compared with December 2021. Chinese cabbage sellers recorded a total of 11, increasing from the 7 in November 2022 and 10 in December 2021.

Ta'amu, breadfruit and yam all recorded just 1 seller each, with ta'amu seller remaining unchanged from the previous month and the same month a year ago, followed by breadfruit sellers decreasing from the 2 in November 2022 and 6 in December 2021, while yam sellers fell from the 2 in the previous month and 3 in the same month a year ago.

VALUE OF SUPPLIES

The average value of selected produce supplied to the local markets in December 2022 stood at \$57,300, decreasing 39 percent from the previous month and 6 percent from December 2021.



Pumpkin supply contributed the most to the total value of produce supplied to the markets with a share of 48 percent in December 2022; a level that was lower than the 50 percent in the previous month and remained unchanged from the same month a year ago.

Taro and cucumber both contributed 12 percent each to total value with taro shares decreasing from the 26 percent last month and 25 percent in the same month a year ago, while cucumber shares increased from 5 percent in the previous month and 6 percent in the same month a year ago.

Head cabbage supply contributed 11 percent to total value increasing from 5 percent in the previous month and 6 percent in the same month a year ago. Supplies of coconut which accounted for 6 percent of total value increased from 4 percent in the previous month and 5 percent in the same month last year.

Tomato and banana both contributed 4 percent each to total value, with tomato declining from the 6 percent in November 2022 but were higher than 3 percent in December 2021, while banana increased from 3 percent in the previous month and the same month a year ago.

Chinese cabbage and breadfruit both contributed 1 percent each to total value, while yam and ta'amu recorded the least shares in the month under review. (See Graph 15 & Table 3)

Technical Notes

The Local Market Survey measures the price and volume of selected agricultural produce from the Local Markets at **Fugalei, Taufusi, Vaitele, Lotopa, Ululoloa, Afega, Saleimoa, Savaia, Vaoala, Faatoia and Salelologa** every month. Prices for selected produce are taken from the Consumer Price Index.

*** Data shown reflects the average availability and prices of selected produce. This survey is conducted on each Thursday for rural markets on Upolu and Savaii and each Friday for urban markets on Upolu in the months under reference.*

Weights for selected produce have been revised using 2014 as the base period and have been incorporated starting from June 2016 report.

The Local Market Survey Report for January 2023 will be available on 20th February 2023.

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SUMMARY OF MARKET SURVEY

Table 1: Quantity Supplied (in kilograms)

PRODUCE	2014 AVE	DEC.21.AV	APR.22.AV	MAY.22.AV	JUN.22.AV	JUL.22.AV	AUG.22.AV	SEPT.22.AV	OCT.22.AV	NOV.22.AV	DEC.22.AV	Dec-22	
												% chng from prev mnth	%chng from DEC 21
TARO	7521	4153	5771	5585	3030	3136	3882	4901	8082	6784	1784	-74	-57
BANANA	2642	1341	1490	1877	1445	2080	1951	976	1696	1879	1721	-8	28
TA'AMU	816	61	26	60	70	178	4	30	218	7	24	243	-61
COCONUT	7993	3636	4429	4364	3133	3964	4489	3364	4634	4079	3258	-20	-10
BREADFRUIT	186	380	175	0	0	396	665	28	35	40	85	113	-78
YAM	129	142	72	101	275	184	155	265	232	108	47	-56	-67
HEAD CABBAGE	811	606	74	118	335	898	1142	839	882	511	661	29	9
TOMATOES	256	170	131	214	198	353	339	523	535	433	166	-62	-2
CH.CABBAGE	129	115	175	210	243	261	181	370	182	121	84	-31	-27
CUCUMBER	542	813	1052	1193	1153	1279	1276	1084	1395	821	1202	47	48
PUMPKIN	6217	8882	9580	8191	4789	4804	5907	14218	16411	13983	8143	-42	-8

Table 2: Weighted Average Price Per Kilograms (in Tala)

PRODUCE	2014 AVE	DEC.21.AV	APR.22.AV	MAY.22.AV	JUN.22.AV	JUL.22.AV	AUG.22.AV	SEPT.22.AV	OCT.22.AV	NOV.22.AV	DEC.22.AV	Dec-22	
												% chng from prev mnth	%chng from DEC 21
TARO	1.48	3.67	3.37	3.35	3.99	4.11	4.46	4.11	3.78	3.53	3.80	8	3
BANANA	0.76	1.28	1.53	1.41	1.43	1.45	1.60	1.64	1.75	1.57	1.42	-9	11
TA'AMU	2.78	7.61	5.83	8.62	8.69	7.00	11.90	12.01	8.35	7.51	11.05	47	45
COCONUT	0.62	0.76	0.79	0.81	0.90	0.92	0.92	0.99	0.94	0.90	1.02	13	34
BREADFRUIT	0.94	1.49	1.44	1.44	1.44	1.17	1.24	1.98	2.46	1.67	4.17	150	181
YAM	3.16	4.37	4.70	4.66	4.56	4.81	5.26	4.54	4.52	3.84	5.66	48	30
HEAD CABBAGE	5.40	6.36	10.92	11.40	11.64	9.05	7.36	8.10	7.08	8.64	9.58	11	51
TOMATOES	9.55	11.84	16.37	16.54	16.64	15.70	14.50	11.62	11.72	14.06	15.31	9	29
CH.CABBAGE	4.38	6.20	7.41	6.68	6.09	6.04	5.15	5.25	5.90	8.75	8.05	-8	30
CUCUMBER	2.99	4.17	5.16	5.34	5.28	5.24	4.73	4.99	5.22	5.67	5.77	2	38
PUMPKIN	2.61	3.30	3.15	3.01	3.20	3.55	3.71	3.23	3.28	3.32	3.37	2	2

Table 3: Value of Supplies (in Tala thousands)

PRODUCE	Total value 2014	DEC.21.AV	APR.22.AV	MAY.22.AV	JUN.22.AV	JUL.22.AV	AUG.22.AV	SEPT.22.AV	OCT.22.AV	NOV.22.AV	DEC.22.AV	Dec-22	
												% chng from prev mnth	%chng from DEC 21
TARO	126.6	15.3	19.4	18.7	12.1	12.9	17.3	20.1	30.5	24.0	6.8	-72	-56
BANANA	25.1	1.7	2.3	2.7	2.1	3.0	3.1	1.6	3.0	3.0	2.5	-17	42
TA'AMU	25.6	0.5	0.2	0.5	0.6	1.3	0.0	0.4	1.8	0.1	0.3	440	-43
COCONUT	59.3	2.8	3.5	3.5	2.8	3.7	4.1	3.3	4.4	3.7	3.3	-10	20
BREADFRUIT	1.8	0.6	0.3	0.0	0.0	0.5	0.8	0.1	0.1	0.1	0.4	400	-38
YAM	4.7	0.6	0.3	0.5	1.3	0.9	0.8	1.2	1.1	0.4	0.3	-34	-56
HEAD CABBAGE	44.6	3.9	0.8	1.3	3.9	8.1	8.4	6.8	6.2	4.4	6.3	43	64
TOMATOES	21.5	2.0	2.1	3.5	3.3	5.5	4.9	6.1	6.3	6.1	2.5	-58	26
CH.CABBAGE	5.9	0.7	1.3	1.4	1.5	1.6	0.9	1.9	1.1	1.1	0.7	-37	-6
CUCUMBER	18.4	3.4	5.4	6.4	6.1	6.7	6.0	5.4	7.3	4.7	6.9	49	105
PUMPKIN	178.3	29.4	30.2	24.6	15.3	17.0	21.9	46.0	53.9	46.4	27.4	-41	-7
	511.8	60.7	65.8	63.2	48.9	61.1	68.4	92.8	115.5	93.7	57.3	-39	-6

*on the days surveyed
@ new weights and base

Table 4: Volume Index (2014 = 100)

PRODUCE	2014 Weights	JAN.22.AV	MAY.22.AV	JUN.22.AV	JUL.22.AV	AUG.22.AV	SEPT.22.AV	OCT.22.AV	NOV.22.AV	DEC.22.AV	JAN.23.AV	% chng from prev mnth	%chng from JAN22
TARO	0.25	73	74	40	42	52	65	107	90	24	71	198	-4
BANANA	0.05	61	71	55	79	74	37	64	71	65	85	30	39
TA'AMU	0.05	3	7	9	22	0	4	27	1	3	2	-26	-31
COCONUT	0.12	69	55	39	50	56	42	58	51	41	97	138	41
BREADFRUIT	0.004	244	0	0	213	358	15	19	22	46	244	433	0
YAM	0.01	72	78	213	142	120	205	180	84	37	100	173	40
HEAD CABBAGE	0.09	57	15	41	111	141	103	109	63	82	72	-12	27
TOMATOES	0.04	69	84	77	138	133	204	209	169	65	54	-17	-22
CH.CABBAGE	0.01	80	163	188	202	140	287	141	94	65	61	-6	-24
CUCUMBER	0.04	148	220	213	236	235	200	257	151	222	153	-31	4
PUMPKIN	0.35	152	132	77	77	95	229	264	225	131	96	-27	-37
	1.00	98	90	63	76	86	133	161	130	79	83	5	-15

Table 5: Price Index (2014 = 100)

PRODUCE	2014 Weights	JAN.22.AV	MAY.22.AV	JUN.22.AV	JUL.22.AV	AUG.22.AV	SEPT.22.AV	OCT.22.AV	NOV.22.AV	DEC.22.AV	JAN.23.AV	% chng from prev mnth	%chng from JAN22
TARO	0.25	234	226	270	278	301	277	255	239	257	255	-1	9
BANANA	0.05	184	186	188	191	211	216	230	207	187	198	6	8
TA'AMU	0.05	236	310	313	252	428	432	301	270	398	813	105	245
COCONUT	0.12	126	131	146	149	148	159	152	145	164	143	-13	13
BREADFRUIT	0.004	151	153	153	125	132	211	262	177	443	135	-70	-11
YAM	0.01	174	147	144	152	166	144	143	121	179	210	17	21
HEAD CABBAGE	0.09	121	211	215	168	136	150	131	160	177	244	37	101
TOMATOES	0.04	135	173	174	164	152	122	123	147	160	215	34	59
CH.CABBAGE	0.01	138	152	139	138	117	120	135	200	184	251	36	81
CUCUMBER	0.04	134	178	177	175	158	167	175	190	193	213	11	60
PUMPKIN	0.35	134	115	123	136	142	124	126	127	129	150	16	12
	1.00	107	116	120	118	126	121	114	116	128	162	27	52

Table 6: Number of Sellers

PRODUCE	2014 AVE	JAN.22.AV	MAY.22.AV	JUN.22.AV	JUL.22.AV	AUG.22.AV	SEPT.22.AV	OCT.22.AV	NOV.22.AV	DEC.22.AV	JAN.23.AV	% chng from prev mnth	%chng from JAN22
TARO	46	42	40	32	32	33	35	50	49	32	45	40	7
BANANA	27	22	22	20	21	26	14	24	29	22	32	49	45
TA'AMU	7	1	2	1	2	0	0	1	1	1	1	-11	-33
COCONUT	57	40	42	34	33	35	23	38	33	26	42	61	6
BREADFRUIT	4	7	0	0	1	5	1	1	2	1	9	647	33
YAM	5	2	3	6	5	3	6	5	2	1	3	113	33
HEAD CABBAGE	12	12	2	8	10	18	20	17	11	13	18	44	50
TOMATOES	39	27	21	19	20	32	48	53	54	22	15	-29	-43
CH.CABBAGE	13	10	19	18	18	16	19	15	7	11	8	-26	-20
CUCUMBER	42	36	30	29	31	37	36	34	27	36	22	-39	-39
PUMPKIN	83	69	58	49	46	61	78	88	76	70	66	-5	-4
	337	266	238	214	218	265	279	324	291	234	262	12	-2

*on the days surveyed

@ new weights and base