

**Table 6.1 Means (SD) and differences between means (SD) of the intake of nutrients as obtained from the 24-H-R and the QFFQ (n = 127)**

<b>Variable</b>	<b>24-H-R Mean (SD)</b>	<b>QFFQ Mean (SD)</b>	<b>Difference* Mean (SD)</b>	<b>PD** (%) Mean D</b>	<b>p-value</b>
<b>Energy (kJ)</b>	4937 (1697)	7046 (4657)	-2100 (4273)	-21.5 (50.0)	0.0000
<b>Protein (g)</b>	37 (15)	53 (45)	-16.0 (43)	-18.0 (54.3)	0.0000
<b>Fat (g)</b>	31 (17)	46 (39)	-14.9 (35)	-19.4 (67.7)	0.0001
<b>Crb/hydrate (g)</b>	176 (63)	248 (148)	-71.4 (138)	-23.0 (50.1)	0.0000
<b>Calcium (mg)</b>	294 (207)	419(360)	-125 (340)	-20.0 (73.1)	0.0001
<b>Iron (mg)</b>	5.4 (3.0)	8.5 (7.9)	-3.1 (7.3)	-28.3 (60.5)	0.0000
<b>Vitamin A (RE)</b>	448 (1107)	576 (679)	-125 (1268)	-30.0 (102.0)	0.27
<b>Vitamin C (mg)</b>	34 (50)	90 (294)	-56 (275)	-41.0 (102.0)	0.02
<b>Thiamin (mg)</b>	0.65 (0.3)	0.9 (0.64)	-0.25 (0.6)	-19.5 (55.7)	0.0001
<b>Niacin (mg)</b>	7.4 (4.5)	10.5 (10.1)	-3.2 (9.6)	-18.0 (61.3)	0.0003
<b>Riboflavin (mg)</b>	0.74 (0.7)	1.16 (1.14)	-0.42 (1.2)	-28.6 (77.7)	0.0001

\* Difference = (mean of 24-H-R - mean of QFFQ)

\*\* Percentage Difference (PD) = [(24-H-R- QFFQ)/(QFFQ + 24-H-R)/2]\*100]

**Table 6.2 Pearson correlation coefficient between the nutrient intake as obtained from the 24-H-R and QFFQ**

<b>Variable</b>	<b>Pearson r</b>	<b>p-value</b>
<b>Energy</b>	0.4	0.0001
<b>Protein</b>	0.4	0.0001
<b>Fat</b>	0.43	0.0001
<b>Carbohydrate</b>	0.36	0.0001
<b>Calcium</b>	0.38	0.0001
<b>Iron</b>	0.4	0.0001
<b>Vitamin A</b>	0.06	0.5
<b>Vitamin C</b>	0.45	0.0001
<b>Thiamin</b>	0.38	0.0001
<b>Niacin</b>	0.34	0.0001
<b>Riboflavin</b>	0.27	0.002

**Table 6.3 Bland-Altman Method: Complete data set of nutrient intake as obtained from the 24-H-R and the QFFQ (n = 127)**

Variable	Limits of agreement		<sup>c</sup> Spearman r	<sup>d</sup> P-value	<sup>e</sup> sd/sm
	<sup>a</sup> Lower	<sup>b</sup> Upper			
Energy (kJ)	-6448	10648	0.65	0.0000	1.54
Protein (g)	-70	102	0.55	0.0000	1.60
Fat (g)	-56	84	0.53	0.0000	1.40
Carbohydrate (g)	-205	347	0.56	0.0000	1.53
Calcium (mg)	-557	807	0.35	0.0001	1.42
Iron (mg)	-11	17	0.41	0.0000	1.40
Vitamin A (RE)	-2411	2661	0.38	0.00001	1.90
Vitamin C (mg)	-494	606	0.46	0.0000	1.72
Thiamin (mg)	-0.75	15	0.51	0.0000	1.50
Niacin (mg)	-17	23	0.33	0.0002	1.67
Riboflavin (mg)	-1.8	2.6	0.43	0.0000	1.71

<sup>a</sup>. Lower limit = mean of QFFQ and 24-H-R - 2 standard deviations

<sup>b</sup>. Upper limit = mean of QFFQ and 24-H-R + 2 standard deviations

<sup>c</sup>. Spearman correlation between the mean of the QFFQ and 24-H-R and the difference between the QFFQ and 24-H-R

<sup>d</sup>. Significance of the Spearman correlation

<sup>e</sup>. Standard deviation of the difference/standard deviation of the mean

**Table 6.4 Bland-Altman Method: Excluding outliers on mean dietary intake (greater than the mean  $\pm$  two standard deviations) as obtained from the 24-H-R and QFFQ**

Variable	n	Limits of agreement		<sup>c</sup> Spearman r	<sup>d</sup> P-value	<sup>e</sup> sd/sm
		<sup>a</sup> Lower	<sup>b</sup> Upper			
Energy (kJ)	120	-4310	7145	0.59	0.0000	1.50
Protein (g)	118	-42	62	0.46	0.0000	1.44
Fat (g)	118	-40	56	0.41	0.0000	1.50
Carbohydrate (g)	110	-144	228	0.44	0.0000	1.60
Calcium (mg)	116	-455	601	0.21	0.03	1.65
Iron (mg)	122	-6	10	0.34	0.0001	1.35
Vitamin A (RE)	122	-927	1313	0.42	0.0000	1.62
Vitamin C (mg)	124	-132	184	0.42	0.0000	1.70
Thiamin (mg)	122	-0.7	1.1	0.45	0.0000	1.33
Niacin (mg)	120	-8.5	12	0.24	0.008	1.25
Riboflavin (mg)	120	-1.28	1.9	0.40	0.0001	1.53

a. Lower limit = mean of QFFQ and 24-H-R - 2 standard deviations

b. Upper limit = mean of QFFQ and 24-H-R + 2 standard deviations

c. Spearman correlation between the mean of the QFFQ and 24-H-R and the difference between the QFFQ and 24hr recalls

d. Significance of the Spearman correlation

e. Standard deviation of the difference/standard deviation of the mean

**Table 6.5 Percentage of subjects classified into the same or adjacent quintiles of the two distributions by the data obtained from the QFFQ and the 24-H-R (n = 127)**

<b>Variable</b>	<b>Same (%)</b>	<b>Q1 (%)</b>	<b>Q2 (%)</b>	<b>Q3 (%)</b>
<b>Energy</b>	36	68	89	96
<b>Protein</b>	36	72	90	96
<b>Fat</b>	33	69	87	98
<b>Carbohydrate</b>	31	72	88	95
<b>Calcium</b>	28	65	84	96
<b>Iron</b>	28	69	89	100
<b>Vitamin A</b>	31	61	85	96
<b>Vitamin C</b>	31	62	85	95
<b>Thiamin</b>	37	77	92	98
<b>Niacin</b>	28	65	89	100
<b>Riboflavin</b>	31	65	89	91

Q<sub>n</sub> = Quintile number

**Table 6.6 Comparison of Energy Intake: Basal Metabolic Rate (EI : BMR) ratios as obtained from the QFFQ and the 24-H-R (n = 127)**

Dietary method*	Mean EI : BMR ratio	Standard Deviation
QFFQ	1.98	1.23
24-H-R	1.4	0.41

\* Difference significant P=0.0002

**Table 6.7 Percentage Distribution of EI : BMR as obtained from the QFFQ and the 24-H-R**

EI : BMR	QFFQ (%)	24-H-R (%)
0 – 0,99	14.8	15.6
1,0 - 1,19	11.7	19.5
1,2 -1,39	10.2	18.0
1,4 - 1,59	6.3	14.8
1,6 – 1,79	14.1	14.1
>=1,8	43.0	18.0

**Table 6.8 Means (SD) and differences between the means (SD) of the dietary intake as obtained from the first and second administration of the QFFQ (n = 136)**

Variable	QFFQ 1		QFFQ2		Difference		PD (%)		p-value
	Mean	(SD)	Mean	(SD)	Mean	(SD)	Mean	(SD)	
<b>Energy (kJ)</b>	7056	5377	6685	3981	371	3747	0.07	41	0.5
<b>Protein (g)</b>	49	37	46	29	2.5	27	1.4	46	0.5
<b>Fat (g)</b>	47	49	44	35	3	35	1.1	42	0.6
<b>Crb/hydrate (g)</b>	249	180	235	139	13.5	130	-3.4	52	0.5
<b>Calcium (mg)</b>	430	731	377	258	52	692	-6.4	54	0.4
<b>Iron (mg)</b>	8.9	9.6	7.9	5.7	0.9	8.9	2.8	49	0.3
<b>Vitamin A (RE)</b>	578	814	495	566	83	697	7.2	72	0.3
<b>Vitamin C (mg)</b>	59	109	62	138	-3	116	-0.31	72	0.8
<b>Thiamin (mg)</b>	0.91	0.8	0.89	0.59	0.02	0.74	-	-	0.8
<b>Niacin (mg)</b>	10.2	9.7	9.4	7.1	0.82	6.7	-	-	0.4
<b>Riboflavin mg)</b>	1.1	1.6	1.1	1.2	0.05	1.33	-	-	0.8

**Table 6.9** Pearson correlation coefficients between the dietary intake from the first and second administration of the QFFQ (n = 136)

<b>Variable</b>	<b>Pearson r</b>	<b>P-value</b>
<b>Energy</b>	0.72	0.0001
<b>Protein</b>	0.68	0.0001
<b>Fat</b>	0.69	0.0001
<b>Carbohydrate</b>	0.70	0.0001
<b>Calcium</b>	0.32	0.0001
<b>Iron</b>	0.41	0.0001
<b>Vitamin A</b>	0.53	0.0001
<b>Vitamin C</b>	0.58	0.0001
<b>Thiamin</b>	0.48	0.0001
<b>Niacin</b>	0.72	0.0001
<b>Riboflavin</b>	0.58	0.0001

**Table 6.10 Bland-Altman Method: dietary intake from the first and second administration of the QFFQ (n = 136)**

Variable	Limits of agreement		<sup>c</sup> Spearman r	<sup>d</sup> p-value	<sup>e</sup> sd/sm
	<sup>a</sup> Lower	<sup>b</sup> Upper			
Energy (kJ)	-7123	7865	0.17	0.04	0.86
Protein (g)	-52	57	0.18	0.03	0.98
Fat (g)	-67	73	0.13	0.12	0.92
Carbohydrate (g)	-247	273	0.19	0.03	0.88
Calcium (mg)	-1334	1438	0.09	0.32	1.6
Iron (mg)	-17	19	0.14	0.11	1.4
Vitamin A (RE)	-1311	1477	0.07	0.41	1.15
Vitamin C (mg)	-235	229	0.11	0.20	1.1
Thiamin (mg)	-1.38	1.42	0.15	0.08	1.2
Niacin (mg)	-13	15	0.07	0.45	0.9
Riboflavin (mg)	-2.6	2.65	0.01	0.88	1.1

a. Lower limit = mean of QFFQ1 and QFFQ2 - 2 standard deviations

b. Upper limit = mean of QFFQ1 and QFFQ2 + 2 standard deviations

c. Spearman correlation between the mean of the QFFQ1 and QFFQ2 and the difference between the QFFQ1 and QFFQ2

d. Significance of the Spearman correlation

e. Standard deviation of the difference/standard deviation of the mean

**Table 6.11 Percentage of subjects classified into the same or adjacent quintiles of the two distributions by the data obtained from the first and second administration of the QFFQ (n = 136)**

<b>Variable</b>	<b>Same (%)</b>	<b>Q*1 (%)</b>	<b>Q2 (%)</b>	<b>Q3 (%)</b>
<b>Energy</b>	50	85	94	100
<b>Protein</b>	50	83	93	99
<b>Fat</b>	49	83	97	100
<b>Carbohydrate</b>	52	81	96	100
<b>Calcium</b>	52	87	97	100
<b>Iron</b>	49	85	93	100
<b>Vitamin A</b>	50	79	93	98
<b>Vitamin C</b>	52	80	94	100
<b>Thiamin</b>	50	81	65	98
<b>Niacin</b>	100	100	100	100
<b>Riboflavin</b>	74	83	83	100

\* Q<sub>n</sub> = Quintile number

**Table 6.12 The percentage of children that were being breastfed at the time of the survey as determined by the QFFQ by age group: South Africa 1999**

Response (%)	Age group			
	1 – 3 Years	4 – 6 Years	7 – 9 Years	RSA
<b>Number (n)</b>	1292	1070	479	2841
<b>Yes</b>	19	3	1	10
<b>No</b>	81	97	99	90

**Table 6.13 The percentage of children that were being breastfed at the time of the survey as determined by the QFFQ by province: South Africa 1999**

Response (%)	Area of residence									
	EC	FS	G/TENG	KZN	M/GA	NC	NP	NW	WC	RSA
<b>Number (n)</b>	421	208	425	543	157	157	340	233	357	2841

<b>Yes</b>	7	13	12	8	4	19	11	7	11	10
<b>No</b>	93	87	88	92	96	81	89	93	89	90

**Table 6.14** The percentage of children that were being breastfed at the time of the survey as determined by the QFFQ by area of residence: South Africa 1999

Response (%)	Area of residence						
	Commercial Farms	Formal Urban	Informal Urban	Tribal	Urban	Rural	RSA
<b>Number (n)</b>	291	1087	329	1134	1416	1425	2841
<b>Yes</b>	17	9	15	8	10	10	10
<b>No</b>	83	91	85	92	90	90	90

**Table 6.15** The percentage of children that had been breastfed as infants as determined by the QFFQ by age group: South Africa 1999

Response (%)	Age group			
	1 – 3 Years	4 – 6 Years	7 – 9 Years	RSA
<b>Number (n)</b>	1271	1076	482	2829

<b>Yes</b>	87	85	84	86
<b>No</b>	12	13	13	13
<b>Don't know</b>	1	2	2	2

**Table 6.16** The percentage of children that had been breastfed as infants as determined by the QFFQ by province: South Africa 1999

Response (%)	Area of residence									
	EC	FS	G/TENG	KZ	M/GA	NC	NP	NW	WC	RSA
<b>Number (n)</b>	412	207	422	540	162	157	346	232	351	2829
<b>Yes</b>	84	89	86	83	81	82	93	90	83	86
<b>No</b>	14	9	12	15	18	13	6	10	16	13
<b>Don't Know</b>	1	2	1	2	1	4	1	0	2	2

**Table 6.17** The percentage of children that had been breastfed as infants as determined by the QFFQ by area of residence: South Africa 1999

Response (%)	Area of residence						
	Commercial Farms	Formal Urban	Informal Urban	Tribal	Urban	Rural	RSA
Number (n)	287	1079	324	1139	1403	1426	2829
Yes	86	82	87	89	83	88	86
No	12	15	13	11	15	11	13
Don't Know	2	3	1	1	2	1	2

**Table 6.18 The duration of breastfeeding for children who had been breastfed as infants as determined by the QFFQ by age group: South Africa 1999**

Response (%)	Age group			
	1 – 3 Years	4 – 6 Years	7 – 9 Years	RSA
Number (n)	960	842	364	2166
< 4 months	16	14	14	15
4 – 6 months	10	9	9	10
7 – 12 months	15	11	12	13
> 1 year	59	66	65	63

**Table 6.19 The duration of breastfeeding for children who had been breastfed as infants as**

**determined by the QFFQ by province: South Africa 1999**

Response (%)	Area of residence									
	EC	FS	G/TENG	KZ	M/GA	NC	NP	NW	WC	RSA
Number (n)	333	181	333	419	117	79	232	197	275	2166
< 4 months	17	9	14	14	4	24	3	10	32	15
4 – 6 months	9	9	12	9	9	14	2	9	14	10
7 – 12 months	13	19	10	12	12	23	14	12	11	13
> 1 year	61	64	64	65	74	39	81	69	43	63

**Table 6.20 The duration of breastfeeding for children who had been breastfed as infants as determined by the QFFQ by area of residence: South Africa 1999**

Response (%)	Area of residence						
	Commercial Farms	Formal Urban	Informal Urban	Tribal	Urban	Rural	RSA
Number (n)	201	817	252	896	1069	1097	2166
< 4 months	17	22	13	8	20	10	15
4 – 6 months	11	13	9	6	12	7	10
7 – 12 months	12	15	10	12	13	12	13
> 1 year	60	50	69	73	55	71	63

**Table 6.21 The percentage of children that were receiving infant formulae at the time of the survey as**

**determined by the QFFQ by age group: South Africa 1999**

Response (%)	Age group			
	1 – 3 Years	3 – 6 Years	7 - 9 Years	RSA
Number (n)	1300	1075	478	2853
Yes	9	1	1	5
No	91	98	98	95
Don't know	0	0	1	0

**Table 6.22 The percentage of children that were receiving infant formulae at the time of the survey as determined by the QFFQ by province: South Africa 1999**

Response (%)	Area of residence									
	EC	FS	G/TENG	KZ	M/GA	NC	NP	NW	WC	RSA
Number (n)	418	207	426	548	162	157	348	231	356	2853
Yes	3	3	5	5	9	5	5	4	7	5
No	97	97	95	95	91	91	95	96	92	95
Don't know	0	0	0	0	0	4	0	0	1	0

**Table 6.23 The percentage of children that were receiving infant formulae at the time of the survey as determined by the QFFQ by area of residence: South Africa 1999**

Response (%)	Area of residence						
	Commercial Farms	Formal Urban	Informal Urban	Tribal	Urban	Rural	RSA
Number (n)	291	1089	327	1146	1416	1437	2853
Yes	5	6	5	4	6	4	5
No	94	94	95	96	94	95	95
Don't know	1	0	0	0	0	0	0

**Table 6.24 The brand name of infant formula used as determined by the QFFQ (n = 108): South Africa 1999**

Formula name	Number (n)	Percentage (%)
Lactogen	11	10
Lactogen 2	11	10
Infacare	1	0.9
Infagro	7	6
Infasoy	3	3
Isomil	4	4
Klim	1	0.9

<b>Nan</b>	27	25
<b>Nan 2</b>	8	7
<b>Nespray</b>	12	11
<b>Pelargon</b>	5	5
<b>Pelargon 2</b>	1	0.9
<b>Progress</b>	3	3
<b>S26</b>	10	9
<b>SMA</b>	4	4

**Table 6.25 The percentage of children that were following a special diet as determined by the QFFQ by age group: South Africa 1999**

Response (%)	Age group			
	1 – 3 Years	3 – 6 Years	7 – 9 Years	RSA
<b>Number (n)</b>	1306	1085	481	2872
<b>Yes</b>	2	1	2	1
<b>No</b>	98	99	98	98
<b>Don't know</b>	0	1	1	1

**Table 6.26 The percentage of children that were following a special diet as determined by the QFFQ by province: South Africa 1999**

Response (%)	Area of residence									
	EC	FS	G/TENG	KZ	M/GA	NC	NP	NW	WC	RSA
Number (n)	424	208	425	555	163	156	352	232	357	2872
Yes*	2	0	2	1	2	1	1	2	1	1
No	98	99	98	99	98	96	97	98	99	98
Don't know	0	0	0	0	1	3	2	0	0	1

\*Of the children who said YES, they follow a special diet, there were 28 who replied the following:

1 (3.6%) diabetic, 6 (21.4%) slimming, 13 (46.4%) allergies, 8 (28.6%) other

**Table 6.27 The percentage of children that were following a special diet as determined by the QFFQ by area of residence: South Africa 1999**

Response (%)	Area of residence						
	Commercial Farms	Formal Urban	Informal Urban	Tribal	Urban	Rural	RSA
Number (n)	291	1092	328	1161	1420	1452	2872
Yes	1	2	0	1	1	1	1
No	98	98	100	98	98	98	98
Don't know	1	1	0	1	0	1	1

**Table 6.28** The percentage of children that had eaten away from home during the week preceding the interview as determined by the QFFQ by age group: South Africa 1999

Response (%)	Age group			
	1 – 3 Years	3 – 6 Years	7 – 9 Years	RSA
Number (n)	1306	1081	480	2867
Yes	16	23	26	20
No	83	74	72	78
Don't know	2	3	3	2

**Table 6.29** The percentage of children that had eaten away from home during the week preceding the interview as determined by the QFFQ by province: South Africa 1999

Response (%)	Area of residence									
	EC	FS	G/TENG	KZ	M/GA	NC	NP	NW	WC	RSA
Number (n)	424	208	425	554	163	156	355	232	350	2867
Yes	21	13	25	20	9	6	12	13	41	20
No	73	85	75	79	90	90	83	87	58	78
Don't know	6	2	1	2	1	4	5	0	0	2

\*Eat out: 1 time – 103 responses (22.3%); 2 times – 52 (11.3%); 3 times – 33 (7.1%); 4 times – 28 (6.1%); 5 times – 215 (46.5%); 6 times – 5 (1.1%); 7 times – 19 (4.1%); 7 times – 7 (1.5%). A total of 269 (58.2%) of these replied that it was at creche/school/pre-school/day mother; 14 (3.0%) said it was a restaurant/take away and the rest was with family, friends or neighbours

**Table 6.30 The percentage of children that had eaten away from home during the week preceding the interview as determined by the QFFQ by area of residence: South Africa 1999**

Response (%)	Area of residence						
	Commercial Farms	Formal Urban	Informal Urban	Tribal	Urban	Rural	RSA
Number (n)	289	1087	330	1161	1417	1450	2867
Yes	17	25	22	15	24	16	20
No	82	72	78	81	74	81	78
Don't know	1	2	1	3	2	3	2

**Table 6.31 The percentage of children that eat maize porridge as determined by the QFFQ by age group: South Africa 1999**

Response (%)	Age group			
	1 – 3 Years	3 – 6 Years	7 – 9 Years	RSA
Number (n)	1306	1084	482	2872
Yes	94	94	90	93
No	6	6	10	7
Don't know	0	0	0	0

**Table 6.32 The percentage of children that eat maize porridge as determined by the QFFQ by province: South Africa 1999**

Response (%)	Area of residence									
	EC	FS	G/TENG	KZ	M/GA	NC	NP	NW	WC	RSA
<b>Number (n)</b>	424	208	426	551	164	157	354	232	356	2872
<b>Yes</b>	96	99	95	91	98	99	95	100	76	93
<b>No</b>	4	1	5	8	2	1	5	0	24	7
<b>Don't know</b>	0	0	0	0	0	0	0	0	0	0

**Table 6.33 The percentage of children that eat maize porridge as determined by the QFFQ by area of residence: South Africa 1999**

Response (%)	Area of residence						
	Commercial Farms	Formal Urban	Informal Urban	Tribal	Urban	Rural	RSA
<b>Number (n)</b>	291	1092	329	1160	1421	1451	2872
<b>Yes</b>	97	87	98	96	90	96	93
<b>No</b>	3	13	2	4	10	3	7

<b>Don't know</b>	0	0	0	0	0	0	0
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**Table 6.34 Maize: The percentage of respondents who knew the brand name as determined by the QFFQ by age group: South Africa 1999**

Response (%)	Age group			
	1 - 3 Years	4 - 6 Years	7 - 9 Years	RSA
<b>Number (n)</b>	1228	1011	441	2680
<b>Yes</b>	90	87	89	89
<b>No</b>	9	12	11	10
<b>Don't know</b>	1	1	1	1

**Table 6.35 Maize: The percentage of respondents who knew the brand name as determined by the QFFQ by area of residence: South Africa 1999**

Response (%)	Area of residence						
	Commercial Farms	Formal Urban	Informal Urban	Tribal	Urban	Rural	RSA
<b>Number (n)</b>	277	986	328	1089	1314	1366	2680

<b>Yes</b>	90	89	91	88	89	89	89
<b>No</b>	8	11	9	11	10	11	10
<b>Don't know</b>	2	1	0	1	0	1	1

**Table 6.36 Maize: The percentage of respondents who knew the brand name as determined by the QFFQ by province: South Africa 1999**

Response (%)	Area of residence									
	EC	FS	G/TENG	KZ	M/GA	NC	NP	NW	WC	RSA
<b>Number (n)</b>	403	203	412	517	157	152	321	224	291	2680
<b>Yes</b>	77	89	90	94	96	92	87	92	86	89
<b>No</b>	22	11	9	5	4	5	12	7	13	10
<b>Don't know</b>	1	0	0	1	0	3	1	1	1	1

**Table 6.37 Maize: The brand names purchased as determined by the QFFQ by province: South Africa 1999**

Brand name	EC (%)	FS (%)	G/TENG (%)	KZ (%)	M/GA (%)	NC (%)	NW (%)	NP (%)	WC (%)	RSA (%)
<b>Number (n)</b>	397	199	407	497	160	147	210	328	256	2601
<b>A1</b>	-	-	3	-	-	-	5	-	-	0.9
<b>ACE</b>	9	2	33	22	4	1	5	3	2	12
<b>Bathobotho</b>	-	-	-	-	-	-	10	-	-	0.8

Blue Bird	8	-	-	0.6	-	-	0.5	-	-	1
Bokomo	2	0.5	-	-	-	4	-	-	5	1
Crown	3	-	-	0.8	-	-	0.5	2	-	0.9
Excella	1	6	0.7	-	-	-	-	0.6	2	0.9
Impala	28	8	4	10	2.5	56	2	5	68	18
Induna	8	6	1	4	0.6	7	2	13	3	5
Inkanyezi	2	-	-	12	-	-	-	-	-	2
Inyala	2	-	-	6	-	-	-	-	-	1
Iwisa	4	18	23	0.4	9	16	19	2	13	10
Mazola	-	-	7	-	-	-	2	-	-	1
Nyala	1	-	-	10	-	-	-	-	-	2
OTK	3	-	1	5	0.6	-	-	1	-	2
Pride	-	0.5	4	1	0.6	-	-	-	-	1
Shaya	-	-	0.2	-	-	-	1	12	-	2
“Special”	1	5	-	2	-	0.7	1	5	0.8	2
Super Sun	-	2	11	0.6	57	-	3	5	-	6
Tafelberg	-	-	0.5	-	-	-	6	9	-	2
Thuso	7	13	1	-	-	-	-	-	-	2
Westra	2	7	-	-	-	11	18	-	-	3
White Diamond	-	3	0.2	1	2.5	-	-	5	-	1

**Table 6.38 Maize: The place of purchase as determined by the QFFQ by age group: South Africa 1999**

Place of purchase (%)	Age group			
	1 - 3 Years	4 - 6 Years	7 - 9 Years	RSA
Number (n)	1271	1058	465	2794

<b>Shop</b>	92	91	92	92
<b>Employer</b>	2	3	2	2
<b>Harvest/Grind Self</b>	1	1	0	1
<b>Other</b>	1	1	1	1
<b>Don't Know</b>	0	1	0	0
<b>Not Applicable</b>	3	3	4	3

**Table 6.39 Maize: The place of purchase as determined by the QFFQ by area of residence: South Africa 1999**

Place of purchase (%)	Area of residence						
	Commercial Farms	Formal Urban	Informal Urban	Tribal	Urban	Rural	RSA
<b>Number (n)</b>	282	1051	329	1132	1380	1414	2794
<b>Shop</b>	77	90	98	97	92	93	92
<b>Employer</b>	19	1	1	0	1	4	2
<b>Harvest/Grind Self</b>	0	0	0	1	0	1	1
<b>Other</b>	1	1	1	2	1	2	1
<b>Don't Know</b>	1	0	0	0	0	1	0
<b>Not Applicable</b>	2	9	0	0	7	0	3

**Table 6.40 Maize: The place of purchase as determined by the QFFQ by province: South Africa 1999**

Place of purchase (%)	Area of residence									
	EC	FS	G/TENG	KZ	M/GA	NC	NP	NW	WC	RSA
<b>Number (n)</b>	413	200	418	537	154	155	345	229	343	2794

<b>Shop</b>	98	77	95	96	99	90	95	95	76	92
<b>Employer</b>	1	19	0	0	1	8	1	2	1	2
<b>Harvest/Grind Self</b>	1	2	0	1	0	0	0	1	0	1
<b>Other</b>	0	3	1	1	0	1	4	0	1	1
<b>Don't Know</b>	1	0	1	0	0	1	0	1	0	0
<b>Not Applicable</b>	0	0	3	1	1	0	0	0	21	3

**Table 6.41 Maize: The amount purchased as determined by the QFFQ by province: South Africa 1999**

<b>Amount purchased (%)</b>	<b>EC</b>	<b>FS</b>	<b>G/TENG</b>	<b>KZ</b>	<b>M/GA</b>	<b>NC</b>	<b>NP</b>	<b>NW</b>	<b>WC</b>	<b>RSA</b>
<b>Number (n)</b>	416	208	414	538	162	156	350	233	269	2758
<b>&lt; 2 kg</b>	1	0	1	1	0	1	0	0	40	5
<b>≥2 - ≤5 kg</b>	4	1	3	2	1	5	1	3	29	7
<b>≥5 - ≤10 kg</b>	6	0	12	1	2	6	1	1	8	5
<b>≥10 - ≤25 kg</b>	52	48	68	28	23	71	7	43	23	37
<b>≥25 - ≤50 kg</b>	20	8	9	19	17	6	8	17	0	13
<b>≥50 - ≤80 kg</b>	16	21	5	22	36	9	16	34	0	16
<b>&gt;80 kg</b>	0.7	22	1	25	21	3	67	3	0	16

**Table 6.42 Maize: The duration of storage as determined by the QFFQ by province: South Africa 1999**

<b>Time Stored (%)</b>	<b>EC</b>	<b>FS</b>	<b>G/TENG</b>	<b>KZ</b>	<b>M/GA</b>	<b>NC</b>	<b>NP</b>	<b>NW</b>	<b>WC</b>	<b>RSA</b>
<b>Number (n)</b>	414	207	412	535	162	155	349	231	268	2744

<b>&lt; 7 days</b>	3	1	3	1	0	2	0	1	9	2
<b>≥7 - ≤14 days</b>	6	4	10	6	1	6	0	6	23	7
<b>≥14 - ≤21 days</b>	15	14	24	14	8	24	3	23	24	16
<b>≥21 - ≤28 days</b>	23	14	16	13	9	20	7	28	8	15
<b>≥28 - ≤60 days</b>	53	61	44	61	78	45	77	42	29	55
<b>&gt;60 days</b>	1	7	3	5	4	3	12	0	8	5

**Table 6.43 Maize: The duration of cooking as determined by the QFFQ by province: South Africa 1999**

<b>Time Cooked (%)</b>	<b>EC</b>	<b>FS</b>	<b>G/TENG</b>	<b>KZ</b>	<b>M/GA</b>	<b>NC</b>	<b>NP</b>	<b>NW</b>	<b>WC</b>	<b>RSA</b>
<b>Number (n)</b>	348	204	360	444	138	138	281	198	260	2385
<b>&lt; 10 min</b>	0	1	3	1	1	4	0	2	11	2
<b>10-20- min</b>	4	2	10	2	0	9	2	8	37	8
<b>20-30- min</b>	4	2	19	10	12	17	5	11	15	10
<b>30-45- min</b>	18	46	42	33	38	36	30	38	19	32
<b>45-60- min</b>	3	36	13	16	22	16	15	18	4	15
<b>60-90- min</b>	49	13	10	37	23	17	43	18	10	27
<b>&gt;90 min</b>	21	2	3	2	1	1	5	5	4	6

**Table 6.44 Maize: The type of appliance used for cooking as determined by the QFFQ by age group:  
South Africa 1999**

Type of appliance (%)	Age group			
	1 - 3 Years	4 - 6 Years	7 - 9 Years	RSA
<b>Number (n)</b>	1255	1040	456	2751
<b>Open Fire</b>	25	28	24	26
<b>Electric Stove</b>	35	36	38	36
<b>Gas Stove</b>	6	5	4	5
<b>Paraffin Stove</b>	27	25	25	26
<b>Other</b>	4	4	6	4
<b>Not Applicable</b>	3	3	4	3

**Table 6.45 Maize: The type of appliance used for cooking as determined by the QFFQ by area of residence: South Africa 1999**

Type of appliance (%)	Area of residence						
	Commercial Farms	Formal Urban	Informal Urban	Tribal	Urban	Rural	RSA
<b>Number (n)</b>	286	1009	328	1128	1337	1414	2751
<b>Open Fire</b>	25	3	4	53	4	47	26
<b>Electric Stove</b>	40	63	29	13	55	18	36
<b>Gas Stove</b>	7	6	5	3	6	4	5
<b>Paraffin Stove</b>	20	19	53	26	27	25	26
<b>Other</b>	7	2	8	5	4	5	4
<b>Not Applicable</b>	2	6	1	1	5	1	3

**Table 6.46 Maize: The type of appliance used for cooking as determined by the QFFQ by province:  
South Africa 1999**

Type of appliance (%)	EC	FS	G/TENG	KZ	M/GA	NC	NP	NW	WC	RSA
<b>Number (n)</b>	412	205	405	527	157	155	338	226	326	2751
<b>Open Fire</b>	39	14	2	33	20	21	58	30	4	26
<b>Electric Stove</b>	17	24	57	34	50	40	27	27	52	36
<b>Gas Stove</b>	4	5	2	4	4	16	2	4	9	5
<b>Paraffin Stove</b>	38	56	31	21	16	21	7	39	10	26
<b>Other*</b>	1	1	7	5	10	2	6	0	7	4
<b>Not Applicable</b>	0	0	1	2	0	0	0	0	18	3

\* Other includes Coal Stove (101 cases), Microwave (6 cases), Woodstove (21 cases)