

# MONITORING MANKETTI NUT YIELDS

(KAGUNI & LIVAYI October 1999)

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## BACKGROUND

As part of phase 1 of the Non-Timber Forest Products (NTFP) project implemented by CRIAA SA-DC, two permanent monitoring sites were established in an attempt to determine Manketti nut yields. One site is at Kaguni in western Kavango and the other in Livayi eastern Kavango.

At each site 6 trees of varying ages were chosen and a community member collected all the fruit from each tree. The results attached hereto reflect the yields from these trees for the 1999 season. The counting of these fruits took place in September 1999.

## NOTES TO THE RESULTS

- The Average fruit yield per kilogram of 107,55 for Kaguni was calculated using the data from trees 1,3,4,and 5. The data from tree No 6 was not used as the fruit was quite badly damaged and would have skewed the calculation.
- The nut yield for tree No 2 was calculated using the average No of fruit per kilogram, (107.55 ).
- The data for Livayi was calculated without the data from tree No 6 as the fruit was again quite badly damaged.
- Trees reflecting more than one DBH mean that it has multiple stems.

The monitoring will continue at both these sites for the next season.

**MANKETTI NUT YIELDS**  
**KAGUNI and LIVAYI 1999 SEASON**

<b>KAGUNI - WESTERN KAVANGO</b>							
TREE No	SIZE	DBH (Diameter Breast Height - cm)	HEIGHT (Metres)	Number of FRUITS	WEIGHT Kg	Fruit per Kg (Average)	Estimated Kernel Weight (KG's) ( 1.3 grams per fruit )
1	Large Female	94.0	9.0	1390	12.25	113.46	1,807
3	Large Female	82.0	11.0	2957	27.90	105.98	3,844
4	Medium (Large)	89.0	8.0	2815	28.60	98.42	3,659
5	Medium	58.5	6.5	309	2.75	112.36	401
					Average fruit per Kg	<b>107.55</b>	
6	Medium	64+17+14+13.5	6.5	286	1.90	152.10	371
2	Large Female	76+28+35.5	10.5	2785	25.90	107.55	3,620
			<b>TOTALS</b>	<b>10542</b>			<b>13,702</b>
<b>LIVAYI - EASTERN KAVANGO</b>							
TREE No	SIZE	DBH (Diameter Breast Height - cm)	HEIGHT (Metres) (Estimated)	Number of FRUITS	WEIGHT Kg	Fruit per Kg (Average)	Estimated Kernel Weight (KG's) ( 1.3 grams per fruit )
1	Large Female	68.0	7.9	680	8.45	80.47	884
2	Large female	80.5	8.5	494	5.70	86.66	642
3	Medium Female	35.0	4.0	281	3.45	81.44	365
4	Large Female	86.5	8.0	2031	24.40	83.23	2,640
5	Medium Female	28+35.5	5.5	268	3.20	83.75	348
					Average fruit per Kg	<b>83.11</b>	
6	Medium	29.0	4.5	38	0.65	58.46	49
			<b>TOTALS</b>	<b>3792</b>			<b>4,928</b>