

APPENDIX 2: Assumptions and conversion factors.

Table A2.1: Conversion factors for farm products

CONVERSION FACTORS FOR FARM PRODUCTS			
Farm product	Unit	Conversion	Source
Maize	1 bag	50 kg DW	Respondents, key informants
Potatoes	1 litre	769 g DW	http://www.simetric.co.uk/si_materials.htm
Soybean	1 litre	721 g DW	http://www.simetric.co.uk/si_materials.htm
Groundnut (unshelled)	1 litre	272 g DW	http://www.simetric.co.uk/si_materials.htm
Beans	1 litre	801 g DW	http://www.simetric.co.uk/si_materials.htm
Wheat flour	1 litre	593 g	http://www.simetric.co.uk/si_materials.htm
Millet grain	1 litre	780 g DW	http://www.simetric.co.uk/si_materials.htm
Rice	1 litre	753 g DW	http://www.simetric.co.uk/si_materials.htm
Wheat grain	1 litre	790 g DW	http://www.simetric.co.uk/si_materials.htm
Bambara groundnut	1 litre	750 g DW	Estimate
Pumpkin	1 piece	1 kg FW	Estimate
Butternut	1 bucket	10 kg FW	Estimate
Kale/rape vegetables	1 bundle	0.5 kg FW	Estimate
Sugarcane	1 stalk	1 kg FW	Estimate
Bananas	1 bunch	5 kg FW	Estimate
Sunflower seed	1 bag	30 kg FW	http://www.whfoods.com/genpage.php?tname=foodspice&dbid=57
Tomatoes	5 litre	2.72 kg FW	http://wiki.answers.com/Q/How_much_does_one_gallon_of_tomatoes_weigh&altQ=How_much_does_a_gallon_of_tomatoes_weigh&isLookUp=1
Cucumber	1 bucket	12 kg FW	Estimate
Onion, carrot, orange, guava	1 bucket	10.88 kg FW	Estimate
Mango	1 bucket	12 kg FW	Estimate
Pawpaw	1 fruit	0.5 kg FW	Estimate
Grape	1 bunch	1 kg FW	Estimate
Apple	1 fruit	150 g FW	Estimate
Spring onion	1 piece	20 g FW	http://www.answers.com/topic/spring-onion-1
Cabbage	1 head	0.5 kg FW	Estimate
Chicken	1 chicken	1.5 kg meat	Mwalusanya et al. 2002
Cattle	1 cattle	144 kg meat	Moyo 1995
Turkey	1 turkey	4 kg meat	Estimate
Goat	1 goat	30 kg meat	Estimate

Table A2.2: Conversion factors for NTFPs

CONVERSION FACTORS FOR NTFPs			
NTFRP	Quantity	Conversion	Source
Firewood	1 bundle	25 kg DW	Biran et al. 2004
	1 cartload	340 kg DW	Benjaminsen 1997
<i>Parinari curatellifolia</i>	1 litre	0.6 kg FW	Measurement
	1 fruit	15 g FW	Measurement
<i>Uapaca kirkiana</i>	1 liter	0.6 kg FW	Measurement
	1 fruit	15 g FW	Measurement, http://www.worldagroforestry.org/downloads/publications/PDFs/pp05177.doc
<i>Amanita zambiana</i>	1 litre	250 g FW	http://www.veg-world.com/articles/cups.htm
Thatch grass	1 bundle	0.85 kg FW	Estimate
Termites	1 litre	208 g FW	Estimate

Poles	1 pole	10 kg DW	Estimate
	1 cartload	20 poles DW	Estimate
Cape hare	1 hare	3 kg FW	http://www.biodiversityexplorer.org/mammals/lagomorpha/lepus_saxatilis.htm
<i>Strychnos spinosa</i>	1 fruit	0.3 kg FW	Measurement
	1 litre	0.8 kg FW	Estimate
Grasshoppers	1 adult	2.5 g FW	Estimate, http://en.wikipedia.org/wiki/Migratory_locust
	1 litre	0.6 kg FW	Estimate, http://www.simetric.co.uk/si_materials.htm
<i>Vitex payos</i>	1 litre	0.6 kg FW	Estimate
<i>Azanza garckeana</i>	1 litre	0.5 kg FW	Estimate
Leaf litter	1 cubic m	210 kg DW	Estimate, http://www.simetric.co.uk/si_materials.htm
<i>Cochorus oditorius</i>	1 cup	75 g FW	Estimate

Table A2.3: Conversion factors local units to universal units

CONVERSION FACTORS LOCAL UNITS TO UNIVERSAL UNITS			
Local unit	Quantity	Conversion	Source
Scotch cart	1 cart	800 L	Measurement
Wheelbarrow	1 barrow	27.5 L	Measurement
Handful	1 handful	150 mL	Estimate
Plate	1 plate	0.7 L	Estimate
Deep plate	1 plate	1.5 L	Estimate
Cup	1 cup	250 mL	Estimate
Big cup	1 cup	500 mL	Estimate
Small dish	1 dish	3 L	Respondents' estimate
Dish	1 dish	5 L	Estimate
Bucket	1 bucket	20 L	Respondents' estimate
Bag	1 bag	69 L	http://www.simetric.co.uk/si_materials.htm
90 kg bag	1 bag	90 kg of maize	Respondents