Food Group	Example food items from the UFCS 24hr recall				
Roots and tubers (boiled)	Yam, sweet potato, ('irish') potato, cocoyam, cassava, cassava: maize 'atap', cassava 'atap' (cooked by boiling/steaming/eaten raw)				
Roots and tubers (fried)	Sweet potato, cassava (cooked by shallow/deep-fat frying)				
Matooke	Matooke (cooking bananas) (cooked by steaming or boiling)	low			
Traditional cereals (boiled)	Maize, millet, sorghum, sorghum: cassava (2:1) 'atap', (cooked by boiling/steaming)				
Traditional cereals (fried)	Popcorn, deep-fried maize (hard corn), roasted maize				
Rice and pasta	White and brown rice, spaghetti, macaroni				
Bread and Buns	Sweet/salty brown/white bread, buns				
Chapatti	Chapatti				
Red meat	Beef, Goat meat, Pork				
Chicken	Chicken				
Fish	Nile tilapia, Nile perch, 'mukene', 'nkejje', 'semutundu' (fresh, smoked or sun-dried)				
Organ meats	Intestines (cow/goat), tongue, heart, kidneys, chicken gizzards, 'mulokonyi' (cow hooves)				
Insects	Grasshoppers, white ants (termites), bee larvae				
Milk and milk products	Milk (boiled and fresh), yoghurt, milk tea, 'eshabwe', sour milk				
Eggs	Boiled eggs, fried egg				
Legumes	Beans ('nambaale'/ yellow/ white/ black/ kidney/ adzuki) with/without skin; bean sauce; field pea sauce; cow pea sauce; pigeon pea sauce				
Nuts and seeds	Pumpkin seeds, sunflower seeds, roasted groundnut seeds, roasted sesame seeds, etc.				
Groundnut sauce	Groundnut sauce (sauce made from raw milled ground groundnuts and water), raw pounded groundnuts, sesame seed sauce				
Fresh fruit and unsweetened juice	Orange, pineapple, mangoes, guavas, raspberries, 'nsali', banana, passion fruit, papaya, guava, lemon, jackfruit, 'empafu'(olive), tangerine, watermelon, fresh fruit juice with no sugar added				
Traditional vegetables (boiled)	'nakati', spider plant, 'dodo', pumpkin leaves, 'malakwang', cow pea leaves, bean leaves, ntula, okra fruit, okra leaves, pumpkin, 'ensusuti', alayo. (cooked by boiling/steaming/eaten raw)				

Table S1: Food Groups used in the Generation of Dietary Patterns for Ugandan Women of Reproductive Age

Traditional vegetables (fried)	'nakati', spider plant, 'dodo', pumpkin leaves, 'malakwang', cow pea leaves, bean leaves, ntula, okra fruit, okra leaves, pumpkin, 'ensusuti', alayo (cooked by frying with oil)	low		
Non- traditional vegetables boiled	Tomatoes, chilli, cucumber, onions, garlic, avocado, carrots, green bell peppers, 'Sukuma wiki' (kale), French beans (green beans), cabbage (cooked by boiling/steaming/eaten raw)			
Non- traditional vegetables fried	Tomatoes, chilli, cucumber, onions, garlic, avocado, carrots, green bell peppers, 'Sukuma wiki' (kale), French beans (green beans), cabbage (cooked by frying with oil)			
Traditional fats, oils and spreads	Shea nut butter, 'Muzigo Muganda' (cow ghee), groundnut paste, sesame paste, groundnut-sesame paste			
Non- traditional fats, oils and spreads	Vegetable oil, margarine, hydrogenated vegetable fat	medium		
Katogo	Various combinations of yam, matooke, potatoes, sweet potatoes, legumes, and vegetables in one dish; 'nyoyo'			
Porridge	Porridges (from flours of any combination traditional/non- traditional cereals or from composite tubers/roots and cereals flours), 'enturire'			
Fast food	Chips, chaps, chips and liver, sausages, rolex, etc			
Soups	Soups (from beans, beef, goat meat, chicken, pork or fish), tomato soup	low		
Sweets	Biscuits, candies, 'kabalagala', gulusa, doughnuts, 'mandazi', half cake, cake	medium		
Savoury snacks	Samosas, rice balls	low		
Sugar	Cane sugar (white and brown), sugarcane, honey			
Sugar- sweetened beverages	Fruit juice with sugar added, soda (carbonated drinks), 'safi', 'splash' (fruit-flavoured drinks and concentrates)	low		
Tea	Теа	low		
Alcohol	Processed (bottled) beer, processed (bottled) wine, traditional			

Table S2. Environmental Impact Categories for Food Groups used in the PCA of Ugandan Women's Diets*^.

low impact (< 1.0 kg CO2 e/kg)	medium impact (1.0-4.0 kg CO2 e/kg)	high impact (>4.0 kg CO2 e/kg)				
traditional vegetables boiled	milk and milk products	red meat (pork, goat and beef)				
traditional vegetables fried	chicken	organ meats				
non-traditional vegetables boiled	fish					
non-traditional vegetables fried	rice and pasta					
tubers and roots boiled	eggs					
tubers and roots fried	fast food					

traditional cereals boiled	traditional fats, oils and spreads			
	non-traditional fats, oils and			
traditional cereals fried	spreads			
legumes	sweets			
bread and buns	savoury snacks			
sugar				
groundnut sauce				
fruits				
soups				
insects				
porridge (derived from	cereals, roots and tubers)			
nuts and seeds				
chapatti				
sugary drinks				
alcohol				
katogo (plant-based mixed dish)				
matooke (cooking bananas -				
plantain)				
*Ma	acdiarmid et al. 2012, ^ Clune et al. 2017.			

Count of food categories loading +vely and -vely on principa				cipal components	Difference in counts					
principal componen t (PC)	low impact (count for +ve factor loading)	low impact (count for -ve factor loading)	medium impact (count of +ve factor loading)	medium impact (count of -ve factor loading)	high impact (count for +ve factor loading)	high impact (count for -ve factor loading)	l o w	me diu m	h i g h	label ascribed to dietary pattern
PC1	3	1	4	0	0	0	2	4	0	medium
PC2	3	2	1	1	0	0	1	0	0	low
PC3	5	1	0	0	0	0	4	0	0	low
PC4	1	1	1	0	3	0	0	1	3	high
*princ	cipal components c	orrespond with die	tary patterns							

Table S3.Counts of food categories loading +vely and -vely on dietary patterns and resulting labels

NOTES

1. Using thresholds from Mcdiarmid et al. (2012) food groups were classified as low, medium or high depending foods in the dataset undergo minimal food processing and the most energy-intensive stage occurs at the primary p Additionally, most food waste occurs post-harvest. It was therefore it was assumed that the highest environmenta consumption stage i.e. when produce is still fresh for most foods. For this reason, the thresholds were applied to the which were obtained from the systematic review by Clune et al. (2017). For a few processed foods e.g. cakes, infor al. (2012).

2. For insects, whose information was not in either papers, information about impact was obtained from:

(i) Oonincx, D. G. A. B.; de Boer, I. J. M. Environmental Impact of the Production of Mealworms as a Protein Source **2012**, *7*, 1-5, doi: 10.1371/journal.pone.0051145

(ii) Oonincx DGAB, van Itterbeeck J, Heetkamp MJW, van den Brand H, van Loon JJA, et al. (2010) An Exploration Insect Species Suitable for Animal or Human Consumption. PLoS One, **2010**, *5*, 1-7, doi: 10.1371/journal.pone.00