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Radiostrontium and total calcium analyses of edible plant materials, Rongelap Atoll, July, 1957

(Values given are as of the date of analysis, September 1957)

Sample***	Island	Wet sample aliquot used (grams)	Total β activity per gram wet sample (d/m)	Sr^{90} per gram wet sample (d/m)	"Sunshine units"	Total calcium per gram wet sample (grams)
Coconut meat (5)	Rongelap	5.0	49	0*	0*	**
Coconut meat (4)	Kabelle	5.0	120	0*	0*	**
Coconut milk (4)	Kabelle	137	48	0.3	317	0.00046
Pandanus fruit (2)	Rongelap	12	205	1.7	1056	0.00075
Breadfruit pulp (2)	Rongelap	155	16	0.6	551	0.00051
Morinda (8)	Rongelap	154	26	1.0	737	0.00063
Arrowroot (4)	Rongelap	33	60	0.5	306	0.00075

*The Sr^{90} activity is less than can be measured with the counting equipment used. Counts per minute values obtained were within counting error of ± 4 for those counts, (from nomograph in Radiological Health Handbook, Dept. of Health, Education and Welfare, Cincinnati, Ohio). The factor for converting c/m to d/m is 1.44 for Y^{90}.

**Not determined.

***Number of fruit used, each from a different plant.

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