

Radiostrontium and total calcium analyses of plant and soil samples, Rongelap Atoll, July 1957  
(Values given are as of the date of analysis, September 1957)

Sample	Island	Wet sample aliquot used (grams)	Total B activity per gram wet sample (d/m)	Sr <sup>90</sup> per gram wet sample (d/m)	"Sunshine units"	Total calcium per gram wet sample (grams)
<u>Messerschmidia</u> leaves	Rongelap	73	36	2.1	147	0.0065
<u>Scaevola</u> leaves	Rongelap	40	55	4.7	571	0.0033
<u>Scaevola</u> leaves	Kabelle	46	53	12	1,353	0.0042

Sample	Island	Dried sample aliquot used (grams)	Total B activity per gram dried sample (d/m)	Sr <sup>90</sup> per gram dried sample (d/m)	"Sunshine units"	Total calcium per gram dried sample (grams)
Soil *	Rongelap	2.44	2,700	172	240	0.325
Soil *	Kabelle	2.44	37,000	1,560	2,230	0.312

\* Random sample of soil above high tide line taken from the top inch.

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