

Strontium-90 and Total Calcium in Tacca Collected  
at Rongelap Atoll.

404878

Summary Table

Island	Tissue	Date collected	Number samples	Sr <sup>90</sup> d/m/g wet	Ca mg/g wet	"Strontium units"	Limit of detectability d/m/g wet
Labaredj	whole corms	Oct. 1955	1	1.2			0.10
Rongelap	whole corms	July 1956	1	2.5	3.3	340	0.08
		July 1957	1	0.5	0.75	306	0.13
		March 1958	1	1.12	0.19	2600	0.19
		Aug. 1958	1	7.91	1.00	3600	0.62
	centers	Mar. 1958	1	0.445 <sup>(3)</sup> ± 0.015	0.166 <sup>(3)</sup> ± 0.007	1210 <sup>(3)</sup> ± 10	0.17
		Aug. 1958	1	2.78	0.21	6000	0.41
		Mar. 1959	5	0.36 <sup>(1)</sup> ± 0.15	0.067 <sup>(1)</sup> ± 0.015	2400 <sup>(1)</sup> ± 700	0.09
	peels	Mar. 1958	1	1.02	0.42	1100	0.92
		Aug. 1958	1	18.53	1.46	5800	1.58
	Kabelle	whole corms	Mar. 1958	1	3.85	0.48	3600
Aug. 1958			1	12.94	1.87	3200	0.63
centers		Mar. 1958	1	1.1	1.37 <sup>(3)</sup> ± 0.37	490	0.36
		Aug. 1958	1	(2)	0.67	(2)	
peels		Mar. 1958	1	6.18	0.66	4300	1.05
		Aug. 1958	1	12.34	1.68	7400	4.58
Eniaetok	whole corms	Mar. 1958	1	1.50	2.0	350	0.36
		Aug. 1958	2	8.33 <sup>(1)</sup> ± 1.16	1.45 <sup>(1)</sup> ± 0.12	2600 <sup>(1)</sup> ± 590	0.50
R122	centers	Mar. 1958	1	0.38 <sup>(3)</sup> ± 0.18	0.31 <sup>(3)</sup> ± 0.21	1340 <sup>(3)</sup> ± 1170	0.3(4)
		Aug. 1958	2	4.32 <sup>(1)</sup> ± 0.21	0.87 <sup>(1)</sup> ± 0.02	2300 <sup>(1)</sup> ± 53	0.75
	peels	Mar. 1958	1	3.9 <sup>(3)</sup> ± 0.4	0.92 <sup>(3)</sup> ± 0.03	2000	0.7
Aug. 1958		2	8.14 <sup>(3)</sup> ± 0.15	1.50 <sup>(3)</sup> ± 0.08	2500 <sup>(3)</sup> ± 86	0.64	

(1) Standard deviation

(2) Not yet done; results will be available later

(3) Averages of separated determinations made at different times, errors given are standard deviations.

(4) The large difference between two strontium unit values is due to widely differing calcium values. The determination of calcium in this sample is being rechecked.