

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

404878

Summary Table

Island	Tissue	Date collected	Number samples	Sr ⁹⁰ d/m/g wet	Ca mg/g wet	"Stron- tium units"	Limit of detecta- bility 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 ⁽³⁾ _{+0.015}	0.166 ⁽³⁾ _{+0.007}	1210 ⁽³⁾ ₊₁₀	0.17
		Aug. 1958	1	2.78	0.21	6000	0.41
		Mar. 1959	5	0.36 ⁽¹⁾ _{+0.15}	0.067 ⁽¹⁾ _{+0.015}	2400 ⁽¹⁾ ₊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	0.37
		Aug. 1958	1	12.94	1.87	3200	0.63
	centers	Mar. 1958	1	1.1	1.37 ⁽³⁾ _{+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 ⁽¹⁾ _{+1.16}	1.45 ⁽¹⁾ _{+0.12}	2600 ⁽¹⁾ ₊₅₉₀	0.50
R122	centers	Mar. 1958	1	0.38 ⁽³⁾ _{+0.18}	0.31 ⁽³⁾ _{+0.21}	1340 ⁽³⁾ ₊₁₁₇₀	0.3(4)
		Aug. 1958	2	4.32 ⁽¹⁾ _{+0.21}	0.87 ⁽¹⁾ _{+0.02}	2300 ⁽¹⁾ ₊₅₃	0.75
	peels	Mar. 1958	1	3.9 ⁽³⁾ _{+0.4}	0.92 ⁽³⁾ _{+0.03}	2000	0.7
		Aug. 1958	2	8.14 ⁽¹⁾ _{+0.15}	1.50 ⁽¹⁾ _{+0.08}	2500 ⁽¹⁾ ₊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.