

Woody fiber 7.30 per cent
 Nitrogen-free extractive matter 28.45 per cent

"These seeds are flat, irregularly circular in shape and about 1 1/2 inches in diameter. The single seeds average 4.9 grams in weight. The Imperial Institute reported as follows:

"The seeds consist approximately of fibrous husk 11 per cent, shell 38 per cent, and kernel 51 per cent."

"A previous investigator has recorded 7, 33, and 60 per cent of fibrous husk, shell, and kernel respectively. The kernel yields 56.9 per cent of slightly reddish-brown oil."

"The oil from seeds from Zanzibar gave the following analysis:

Specific gravity at 15°C.	0.919
Acid value	2.6
Saponification	196.
Iodine value	89.

"This is a non-drying oil, and has a pleasant, slightly sweet taste. It would be suitable for soap manufacture, and also as an edible oil. The seed is used by Europeans in this colony both as a nut and as a flavoring for cakes.

"The reason that these seeds are not more used is due to the hardness of the shell and the difficulty of removing it, as well as to the intensely bitter, green skin which separates the kernel from the shell. If a method could be found for removing the tough fibrous husks and this bitter skin, it would appear that the seed would be of considerable commercial value, both for its edible oil and for the manufacture of soap, as well as for the resultant oil cake which probably would make a good cattle feed. It would be impossible, however, to use the cake after pressing the unhusked seeds on account of the skin mentioned above.

"A German syndicate of soap and candle manufacturers at Mannheim has investigated the possibilities of these seeds but they expressed the opinion that it would be inadvisable to place consignments of these seeds on the European market until a machine had been invented for rapidly and cheaply shelling them.

"These seeds grow very rapidly in any place which is not touched by frost. The pod containing the seed is about a foot in diameter when ripe. The vine climbs over neighboring trees and requires no care." (Eells.)

"I am rather hopeful that the plant will succeed at Washington, growing as a perennial and dying to the ground each year." (Shantz.)