

34633. CANAVALI ENSIFORME (L.) DC.**Jack bean.**

From Honolulu, Hawaii. Presented by Mr. C. K. McClelland, agronomist, Hawaii Agricultural Experiment Station. Received November 30, 1912.

"Concerning the use of jack beans as a dairy feed, Mr. P. M. Pond, of Honolulu, tells me that a few years ago he raised an excellent crop of jack beans, which he thinks averaged 20 tons per acre, but this crop, of course, was irrigated to some extent. He says that he had no great difficulty in inducing cattle to eat the jack bean. At first they refused to eat it, and then he tried wrapping it up in alfalfa and again they refused to eat it, by picking out the alfalfa and leaving the jack beans. He then ran the jack beans through a cutting machine, as he was accustomed to do with all roughage, and placed only small amounts of the jack beans in the ration with alfalfa, Para grass, and sorghum. By treating in this manner he found that they ate the vine readily, but at first refused the pods, but by the end of the week he states that they ate vines and pods quite readily and he was able to discontinue the use of alfalfa and use the jack beans in the above ration, using one-third jack beans in the roughage. Since growing this crop Mr. Pond states that he has been unable in several trials to get what he considered a good crop. The former crop was planted in July and taken off about the 1st of November. Since then he has tried different seasons of planting, but finds that the jack beans make a slow growth and have never produced as good a yield as he obtained in that first crop, and he has discontinued growing them." (McClelland.)

34634. CANAVALI ENSIFORME (L.) DC.**Jack bean.**

From Mayaguez, Porto Rico. Presented by Mr. C. F. Kinman, of the Porto Rico Agricultural Experiment Station. Received November 30, 1912.

"Of a large number of legumes that I have tried for a cover crop nothing seems so well adapted to all conditions and needs as *Canavali ensiforme*." (Kinman.)

34635. STIZOLOBIUM sp.

From Lucknow, India. Presented by Mr. H. J. Davies, superintendent, Government Horticultural Gardens. Received November 30, 1912.

"Regarding the value of the fruits as an article of food, I may say that I have eaten them regularly and appreciate them as I have other similar beans. I have not heard of any bad results from eating the pods. It must be remembered that they are eaten only in the young state, when they are tender and practically free from hair. Before cooking, the outer skin is carefully scraped so as to insure that no hairs remain. The pod is very succulent and is, so far as I know, wholesome, and may be recommended as an article of diet." (Davies.)

34636. FERONIELLA OBLATA Swingle.

From Saigon, Cochin China. Presented by Mr. P. Morange, Director of Agriculture, Saigon. Received November 25, 1912.

34637 to 34639.

From San José, Costa Rica. Presented by Mr. Ad. Tonduz, botanist, National Museum. Received December 16, 1912.

34637. PSIDIUM FRIEDRICHSTHALIANUM (Berg) Niedenzu.

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See S. P. I. No. 26756 for previous introduction and description.