

54966. "'Macho.' Cuttings from a tree 30 to 35 years old, growing on the property of Salvador Molina Sanchez, at Pago del Pino, district of Torrox. It produces a large quantity of short, broad carobs." (Ortiz.)

"In recent years, carob cultivation has again received serious attention in California, and efforts are being made to secure the best varieties, - some of which have not previously been introduced, - from the Mediterranean region for trial in that State. These varieties are the best grown in the vicinity of Malaga and are recommended by Sr. Ortiz." (Wilson Popenoe.)

Coix lacryma-jobi ma-yuen (Poaceae), 54906. **Ma-yuen.** From Manila, Philippine Islands. Seeds presented by Mr. P. J. Wester, agricultural adviser, Bureau of Agriculture, Manila.

"'Adlay.' When it is considered that adlay far surpasses rice in yield; that its analysis is quite similar to that of wheat; that it can be eaten like rice and also can be ground into flour and used in making biscuits and bread; that the grits make an excellent breakfast food; and that it can be grown from sea level to an altitude of more than 3,000 feet; it is fair to assume that it is only a question of time when adlay will be widely cultivated in the Tropics." (Wester.)

"Adlay has many qualities over other grains that ought to appeal to the dry-land rice farmers. First, this grain will stand a drought that would kill upland rice, and still produce a good crop; second, it is a plant that locusts do not seem to bother, - I have seen upland rice destroyed by locusts while the adlay planted around the field was not touched by them; third, adlay will produce nearly double the yield per hectare that can be expected from upland rice; fourth, the care and cultivation of one hectare of adlay can be carried on at less than one-half the cost of taking care of one hectare of upland rice.

"The food value of adlay has been known to the Filipino farmers a long time, and it has been used by them in various ways: roasted, in cakes, and as a substitute for rice. It also is a first-class feed for poultry." (W. G. McCarty, supervising agricultural agent, Santa Cruz, Laguna.)

For further description, see Philippine Agricultural Review, vol. 13, p. 217.