

OKRA Lady's finger (*Abelmoschus esculentus*) (2n=130)

Okra is a common vegetable crop grown in warmer climate, **Origin:** India

Distribution: Asia, Europe, Africa and United States and Brazil. In India it is grown in Gujarat, Maharashtra, Andhra Pradesh, Uttar Pradesh, Tamil Nadu, Karnataka, Haryana and Punjab.

Species of *Abelmoschus*

Abelmoschus angulosus

crinitus

ficulneus

Breeding objectives:

High pod yield

Dark green, tender, thin, medium long smooth with 4-5 ridged pods

Pods free from conspicuous hairs

Early and prolonged harvest

Short plant with more number of nodes, short internodes

Optimum seed setting ability

Pods suitable for processing industry and export market.

Resistance to diseases (yellow vein mosaic virus, (YVMV) Fusarium wilt)

Resistance to insects (fruit and shoot borer, jassids and white fly)

Tolerance to Abiotic stresses.

Breeding methods

a. Introduction: A cultivar from Africa (Ghana) known as *A. manihot* sp. manihot introduced into India has been successfully used as a source of resistance to YVMV.

b. Pure line selection

c. Pedigree Method

d. Mutation Breeding

e. Heterosis breeding

Varieties: Pusa makhmali,
Pusa swani, Co-1 etc.

