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Viral infections in vegetable cowpea *Vigna unguiculata* cv. Polon mae are transmitted in seed. Infections up to 16% were detected in seed collected from infected crops. In studies with plants experimentally infected at various stages of growth, virus infections were detected in plants inoculated up to 45 days from seeding. Virus was carried in the embryo and cotyledons but not in the seed coat.

Secondary spread from infected plants occur in the field apparently by the agency of efficient vectors. Transmission studies revealed that weed species of *Crotalaria*, *Phaseolus*, *Cassia*, *Stachytarpheta*, *Hedyotis*, *Mollugo*, etc., serve as virus hosts.

When seed from infected plants was held in storage under refrigeration, the presence of virus infection was detected even after 24 months in storage.