METHODS AND PRACTICAL ASPECTS IN MUNGBEAN HYBRIDIZATION

K.N. Sivaiah¹, R. Narasimhulu², G.Govardhan² and R.Vinoth³

¹Department of Seed Science and Technology, College of Agriculture, Orissa University of Agriculture and Technology, Bhubaneswar-751003
²Department of Genetics and Plant Breeding, S.V.Agricultural college, Tirupati-517502
³Department of Pulses, Centre for Plant Breeding and Genetics, Acharya N.G.Ranga Agricultural University, Andhra Pradesh.
Acharya N.G.Ranga Agricultural University, Coimbatore – 641 003, Tamil Nadu, India

Abstract: Mungbean [Vigna radiata (L.) Wilczek] is one of the short duration pulse crop predominantly cultivated in Asia. It is a self pollinated crop where crossing or hybridization is tedious. Under field conditions easy and efficient crossing technique is needed to exploit genetic potential of mungbean. Due to complexity and lack of appropriate crossing technique, outcomes achieved have been less in mungbean. From last five decades scientists were developing different methods of hybridization to accelerate the success rate of crossing in mung. However Khattak and co-researchers developed efficient new technique where more pod setting was observed. Based on limited available information, this review summarizes the methods of crossing techniques and practical measures followed during hybridization in mungbean.

Keywords: Vigna radiata, mungbean, crossing, hybridization

REFERENCES


