A STRATEGY IN THE DEVELOPMENT OF A 
CORE COLLECTION IN MUNGBEAN

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ABSTRACT

The Asian Vegetable Research and Development Center (AVRDC) has accepted responsibility for the global base collection of mungbean. Presently, this collection consists of 5749 accessions. Since a large collection poses difficulties in germplasm evaluation, distribution and regeneration, the Genetic Resources and Seed Unit (GRSU) of AVRDC aims to set up a core collection or a condensed yet representative assembly of accessions from this germplasm collection.

The strategy taken is to form the country core collection on which the nomination for inclusion to the global core collection could be based.

Accessions originating from the Philippines were chosen. Based on selected morphological and agronomic descriptions, a cluster analysis was performed to establish groups of relatively homogeneous accessions. A country was then formed by sampling a limited number of entries from each cluster to represent the morphological and agronomic diversity of the germplasm collection.

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