

Chlorophyll Mutation Induced in Mungbean by Chemical Mutagens

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Abstract: *Chlorophyll mutants were isolated in three mungbean varieties namely, Plant Moong-1, PS-10 and T-44 by ethylmethane sulphonate (EMS), methylmethane sulphonate (MMS) and sodium Miniscent, EMS produced the higher frequency and spectrum of chlorophyll mutants in comparison to anide (SA), Chlorophyll mutants spectrum includes albina, xantha, chlorina, maculata, viridis, and MUS and SA The order of mutagens based upon effectiveness was MMS, SA and EMS, EMS was found to be more efficient as compared to MMS and SA*

Keywords: Chlorophyll mutations, chemical mutagens, mungbean.