

A REVIEW ON ESTIMATES OF VARIABILITY FOR YIELD AND SOME YIELD ATTRIBUTES IN MUNGBEAN

G. Govardhan*, R. Narasimhulu, M. Paramesh and S.Ravi

Department of Genetics and Plant Breeding,
S.V. Agricultural College, Tirupati 517502, Andhrapradesh

Received-30.03.2015, Revised-08.04.2015

Abstracts: Mungbean (*Vigna radiata* (L.) Wilczek) ($2n=2x=22$), is a leading pulse of Asia after chickpea and pigeonpea. It is also called as mung, green gram, moong, mungo, mungbean, chicksaw pea and Oregon pea. It belongs to fabaceae family. It is a short duration legume having wider adaptability, low input requirement and has ability to fix the atmospheric nitrogen ($50-109 \text{ Kg ha}^{-1}$) in symbiotic association with rhizobium bacteria, which not only enables it to meet its own nitrogen requirement but also benefits the succeeding crops. It is consumed in the form of several food products such as bean sprouts, dhal, soup etc. Being rich in nutritional profile, mungbean is an inseparable ingredient in the diets of vast majority of population in Indian sub continent.

Keywords: Mungbean, Green gram, Production, Yield

REFERENCES

- Dodwad, I.S., Salimath, P.M and Patil, S.A.** (1998). Evaluation of greengram collections for pod and seed characters. *Legume Research*. 21(3/4): 183-187.
- Jyothsnanand, M. and Anuradha, CH.** (2013). Genetic variability, correlation and path analysis for yield and yield components in mungbean (*Vigna radiata* Linn. Wilczek). *Journal of Research ANGRAU*. 41(3):31-39.
- Khairnar, M.N., Patil, J.V., Deshmukh, R.B and Kute, N.S.** (2003). Genetic variability in mungbean. *Legume Research*. 26(1):69-70
- Kumar, N.V., Lavanya, G.R and Singh. S.K.** (2013). Genetic association characters and their effects in mungbean *Vigna radiata* (L.) Wilczek. *The Andhra Agricultural Journal*. 60 (1): 54-58.
- Kumar, S.S., Sudharshnam.,A., Kumar, S.V and Reddy, N.** (1992). Variability studies in greengram (*Vigna radiata* (L.) wilczek). *Journal of research APAU*. 20(3):154-156.
- Lakshmaiah, K., Babu, P.R and Reddy, D.L.** (1989). Genetic parameters and correlations in greengram. *Journal of Research Andhra Pradesh Agricultural University*. 27:387-390.
- Lavanya, G.R.** (2006). Evaluation of mungbean germplasm for genetic diversity. *Indian Journal of Plant Genetic Resources*. 19(1):104-106.
- Makken, K., Abraham, G., Jan, A and Singh, K.A.** (2007). Genetic variability and correlation studies on yield and its components in mungbean (*Vigna radiata* (L.) Wilczek). *Journal of Agronomy*. 6(1): 216-218.
- Misra, R.C and Sahu, B.C.** (1985). Genetic parameters, correlation and path-coefficient analysis in greengram (*Vigna radiata* wilczek). *The Andhra Agricultural Journal*. 32 (2):87-91.
- Pandey, M.K., Srivastava, N and Kole, C.R.** (2007). Selection strategy for augmentation of seed yield in mungbean (*Vigna radiata* L. wilczek). *Legume Research*. 30(4):243-249.
- Reddy, D.K.R., Venkateswarlu, O., Obaiah, M.C and Jyothi, G.L.S.** (2011). Studies on genetic variability, character association and path co-efficient analysis in greengram (*Vigna radiata* (L.) Wilczek). *Legume Research*. 34(3): 202-206.
- Reddy, K.H.P.** (1997). Genetic variability in green gram (*Vigna radiata* (L.) wilczek). *Annals of Agricultural Research*. 18 (4): 554-555.
- Singh, A., S.K. Singh, Sirohi, A and Yadav, R.** (2009). Genetic variability and correlation studies in greengram (*Vigna radiata* L. Wilczek). *Progressive Agriculture*. 9 (1): 59-62.
- Srivastava, R.L and Singh. G.** (2012). Genetic variability, correlation and path analysis in mungbean (*Vigna radiata* (L.) Wilczek). *Indian Journal of Legume Science*. 2(1): 61-65.
- Venkateswarlu, O.** (2001). Genetic variability in mungbean (*Vigna radiata* L. Wilczek). *Legume Research*. 26(1):69-70.
- Wani, B.A., Marker, S. and Lavanya, G.R.** (2007). Genetic variability and character association for seed yield and its components in green gram. (*Vigna radiata* L. Wilczek). *Journal of Maharashtra Agricultural Universities*. 32(2): 216-219.

*Corresponding Author