RESEARCH ARTICLE

STUDIES ON YIELD AND QUALITY OF FRENCH BEAN *(PHASEOLUS VULGARIS* L.) GENOTYPES, UNDER NET- HOUSE CONDITIONS

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Abstract: French bean is an important legume crop which is grown for its dry grain and tender pods in North-Western India. This off-season crop can be successfully raised in Punjab during winter season which fetches higher price in the market and economical to the farmers when there is no availability of green pods from high altitude. Hence, there is a great scope of cultivation of French bean under net-house conditions in Punjab. The present investigations were carried out in Department of Vegetable Science, PAU Ludhiana with the sole objective to indentify French bean genotypes suitable for cultivation under net-house conditions. Twenty genotypes were selected for green pod yield per plant, number of pods per plant, average pod weight (g). Based on the two year studies, the genotypes Falguni (350.19 g), Cosmo (329.86 g) and IIHR-909 (240.22 g) performed better under net-house conditions for total green pod yield per plant. Maximum number of pods per plant was recorded in genotype Falguni (52.33), Seville (50.83) and IIHR-909 (49.50) while maximum pod weight was elicited by genotypes Falguni (6.96g), Cosmo (6.11g) and DWP-FB-57 (5.78g) respectively.

Keywords: French bean, Green pod yield, Pod weight, Net-house

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