

PATH ANALYSIS OF YIELD AND YIELD COMPONENTS IN LENTIL GROWN IN THE SOUTHEASTERN ANATOLIA OF TURKEY

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ABSTRACT

The objectives of this study were to compare the seed yield and yield component characters in six lentil (*Lens culinaris* Medik.) cultivars and to estimate direct and indirect effects of various characters on seed yield through path analysis. Six high yielding cultivars were evaluated during the 1995-1996 and 1996-1997 growing seasons at Diyarbakır in the Southeastern Anatolia of Turkey. F87-53L and Seyran 96 produced the highest seed yield per plant. Path analysis indicated that high cluster and pod number on plants with a high biological yield were needed for high seed yield. A Higher harvest index and earlier flowering have to be considered as well.