

Turkish Journal of Agriculture and Forestry

Turkish Journal

of



Agriculture and Forestry

Some Agronomic Properties of the Local Population of Common Bean
(*Phaseolus vulgaris* L.) of Artvin Province

Hatice BOZOĞLU¹, Ömer SÖZEN²

¹Faculty of Agriculture, Department of Agronomy, University of Ondokuz Mayıs,
Kurupelit, Samsun - TURKEY

²Black Sea Agricultural Research Institute, P.K. 39 Gelemen, Tekkeköy,
Samsun - TURKEY

 [Keywords](#)
 [Authors](#)



agric@tubitak.gov.tr

[Scientific Journals Home Page](#)

Abstract: The objectives of this study were to determine the changes to some agronomic properties that significantly affect seed yield, and to conserve landraces of the common bean of Artvin province, especially in areas that will be flooded by dam projects, by collecting them before they are lost. Landraces of common bean were collected from 279 locations in 74 villages in 7 districts of the province. Landraces were sorted into 400 samples according to their growth habit, seed color, color pattern, and shape. Seeds were sown in Samsun, Turkey, in May 2005. To determine plant height, pods per plant, pod length, 100-seed weight, seed yield, and harvesting time of the bean population, frequency distributions of these properties were determined using all observation values from each sample. It was observed that plant height, pods per plant, 100-seed weight, and seed yield of the plants varied between 20 and 310 cm, 1 and 163 pods, 16.2 and 80 g, and 1 and 99 g, respectively. It was determined that these populations can be used in cultivar improvement programs and other breeding studies of both fresh consumption and dry seed yield of bean.

Key Words: Artvin, common bean, landraces, *Phaseolus vulgaris* L.

Turk. J. Agric. For., **31**, (2007), 327-334.

Full text: [pdf](#)

Other articles published in the same issue: [Turk. J. Agric. For., vol.31, iss.5.](#)