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
Agriculture and Forestry

The Effect of N Applied at Different Seasons and Doses on Seed Yield and Some Yield Components of Smooth Bromegrass (*Bromus inermis* Leyss.) and Relationships Among The Characteristics

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Abstract: This study was conducted to determine the effects of time (autumn and spring) and dose (0, 4, 8 and 12 kg N/da) of nitrogen applications on seed yield and yield components of smooth bromegrass. The study was carried out under irrigated conditions in Erzurum, in crop seasons of 1986-1992. According to the mean of five years data nitrogen fertilization is recommended for high seed yield. Application of N as 4 kg/da in autumn+8 kg/da N in spring is effective for high seed yield (40.6 kg/da) and straw yield (959.8 kg/da) under irrigated conditions. The N application increased also generative shoots, seed weight and number per panicle and plant height. Seed yield were positively correlated with number of generative shoots m², straw yield, and plant height.

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