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HERBICIDAL BEHAVIOUR OF A NEW N, N'-BIQUATERNARY SALT OF 4, 4'-BIPYRIDINE

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Abstract

The herbicidal behaviour of a new N-biquaternary salt of 4, 4' -bipyridine on tomato growth is described. Lots of 20 seed samples of tomato (*Lycopersicon esculentum*) were treated with solutions of concentrations between 10^{-4} - 10^{-3} M of N, N'-dicarboethoxymethyl- 4, 4'-bipyridinium-dibromide for 1 hour and for 24 hours. Afterwards these samples were grown in biological pots. The photosynthetic pigments were analyzed spectrophotometrically. The results show that only the germination process of the seeds was affected, their development being not affected comparative with the blank.

Keywords: 4, 4'-bipyridine, tomato plants, spectrophotometric measurements

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