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INDUCED VARIANTS THROUGH MUTAGENESIS

Seeds of Lotus corniculatus L. were treated with five classes of physical and chemical mutagens which included unfiltered X-rays, ethyl methanesulfonate, 8-ethoxycaffeine, N-hydroxyurea and α -aminopurine. Plants obtained from treated seeds were subsequently grown in a greenhouse. These plants were studied for morphological, biochemical and cytological variations and/or abnormalities, resulting in a wide range of variant types. Progeny resulting from these M₁ variants will be studied for agronomic and genetic effects in an attempt to establish mutant lines.