

Effect of Spray With Carbolizer in the production of Indole alkaloids induction from leaves *Catharanthus roseus* L. D.Gon Class MixPacifica

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ABSTRACT

This experiment Was conducted in the College of Agriculture- University of Diyala during 2015growth season explain the effected of sprayof Phenylalanine concentration (0,100,200) mg.l⁻¹ and Carbolizer concentration (0,2.5,3.5)ml. l⁻¹of in the productionIndolealkaloids in split experimental the results showed the Spraying plants with Carbolizer with concentration of 2.5 ml. l⁻¹ gave highest contents for Vindoline and Catharanthineamounted 251.35, to528.2 µg.ml⁻¹ respectively,while spraying with Carbolizer concentration of 3.5 ml. l⁻¹ gave the highest quantity of Vincristine and Vinblastine amounted 162.34 ,734.229 mg.ml⁻¹ respectively.

Key Word:Catharanthus roseus ,Carbolizer , Indole alkaloids