HERBICIDE APPLICATION TEST AND MIXED PENOXSULAM BENTAZON SYSTEM MOVING ON RICE CROP PLANTING

Eka Daneswara prasetya[1], Siwi Hardiastuti EK[2] and Abdul Rizal AZ[2]

[1]Student Department of Agrotechnology, Faculty of Agriculture UPN "V" Yogyakarta
[2]Lecture Department of Agrotechnology, Faculty of Agriculture UPN "V" Yogyakarta

ABSTRACT

This study aims to find alternative mix Penoxsulam Bentazon to control weeds in rice transplanting. Knowing whether the herbicide mixture Penoxsulam and Bentazon can suppress the growth of weeds in rice. Determine the dose and mix Penoxsulam Bentazon right to suppress weed growth and increase yields in rice plants. And determine the level of plant poisoning due to application of herbicide mixture Penoxsulam and Bentazon. The method used is the method of field research (Experimental Design) made with Complete Randomized Design (RAKL). Consists of thirteen (13) treatment. GF2604 dose H1 1500 ml / ha, H2 dose GF2604 2,000 ml / ha, H3 GF2604 dose of 2,500 ml / ha, H4 GF2604 dose of 3.000 ml / ha, H5 GF3123 dose of 1.000 ml / ha, GF3123 H6 dose of 1.250 ml / ha, H7 GF3123 dose of 1.500 ml / ha, H8 dose GF3123 2,000 ml / ha, H9 GF3123 dose of 2.500 ml / ha, H10 Topshot dose of 1.500 ml / ha, H11 Clipper + Allyplus dose of 500 + 400 ml / ha, H12 Clipper + 600 + 300 doses nominee ml / ha and H13 Without treatment. Each treatment was repeated 4 (four replications = Block). Herbicide mixture Penoxsulam and Bentazon can control weeds in rice plants and suppress weed growth. Penoxsulam mixture and Bentazon that can improve the results and for the target weed control GF3123 dosis 1.250 ml/ha and found no toxicity.

Keywords: Herbicides, Penoxsulam, Bentazon, Rice