

2010

September

The Status of Weed Resistance in Plantation Crops of Malaysia

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Herbicides are the major strategic components of weed control in plantations of Malaysia. However, heavy reliance upon herbicides as the primary method of weed control in plantations has resulted in the evolution of herbicide resistant weed populations. This paper gives the current status of herbicide-resistant weeds in plantation crops of Malaysia. In rubber and oil palm plantations, four weed species namely Eleusine indica, Hedyotis verticillata, Clidemia hirta and Chromolaena odorata have been reported to have developed resistance to single or multiple herbicides such as glyphosate, paraquat and metsulfuron in several states namely Terengganu, Kelantan, Pahang, Kedah, Selangor, Perak, Johor and Sarawak.

Keywords: Chromolaena odorata, Clidemia hirta, Eleusine indica, Hedyotis verticillata, multiple herbicide resistance.

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