Advanced Chemicobiology Research
https://ojs.wiserpub.com/index.php/ACBR/

Review

Understanding Mechanisms of Herbicide S Agro-Ecosystems: A Review

Varaidzo O Gwatidzo[1], Justin Chipomho[1], Cosmas Parwada[2]

[1]Faculty of Plant and Animal Sciences and Technology, Department of Crop Science, Marondera Unive and Technology, Zimbabwe.
[2]Faculty of Agricultural Sciences, Department of Agriculture Management, Zimbabwe Open University E-mail: jusychipomho@gmail.com

Received: 1 November 2022; **Revised:** 9 January 2023; **Accepted:** 12 January 2023

Abstract: Weeds cause yield losses in desired crops through competition for sunlight, w It is important to manage weeds in crop fields and aqua bodies using various managem most effective and efficient ways of managing weeds is through the use of herbicides. H understand the effects of these herbicides on the desired plants and/or the environment. Herb application of herbicides in a field with both the desired crop and weeds. Herbicide select as, an application treatment at a given dosage that is toxic to some plant species but does n However, many herbicides can be toxic at high dose rates even when applied to toleran mechanisms of herbicide selectivity which are grouped into physiological and physical. Ph occurs when physical factors such as time, the position of application, plant morphological aid in selectivity. Physiological selectivity occurs when the plant species affect herbic movement, and detoxification. Herbicide selectivity is known to be a major cause of difficulti a result, there is a need to understand how the environment, herbicides, and plants contribut therefore, provides insights into herbicide selectivity and how plants escape herbicide inj diversity.

Keywords: selectivity, physical, physiological, herbicides, penetration

1. Introduction