

THE DEVELOPMENT OF A TASMANIAN HERBICIDE ADVISORY PACKAGE

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A data base using D-Base IV^(R) contains crop and non-crop herbicides and their weed susceptibilities for Tasmania. A user friendly expert system was developed to integrate the data base and provide the latest herbicide information quickly based on weed, crop or non-crop situation. The package will soon be placed on the DPIF computer network and will be commercially available to other government departments and agri-business in the state. The package could be modified for use outside Tasmania.

A COMPUTER EXPERT SYSTEM FOR OPTIMUM SELECTION OF HERBICIDES FOR USE IN SUGARCANE

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A computer expert system has been developed to aid extension personnel and cane growers in the selection of appropriate herbicides for use in sugarcane.

The result is a program based on LPA Prolog which is easy to use, and presents registered recommendations for the control of common weeds ranked by efficacy and cost. There are six regional variations of the program to cater for local herbicide usage and local weed species.