



THE UNIVERSITY  
*of* ADELAIDE

# HERBICIDE RESISTANCE TESTING

Christopher Preston

School of Agriculture, Food & Wine, University of Adelaide

[adelaide.edu.au](http://adelaide.edu.au)



**GRDC**  
GRAINS RESEARCH  
& DEVELOPMENT  
CORPORATION



# Weeds and Herbicides

**Fleabane (77 samples)**

**Annual ryegrass (24 samples)**

**Glyphosate (1080 or 540 g ha<sup>-1</sup>)**

**Paraquat + diquat (324 + 276 g ha<sup>-1</sup>)**



# Results of herbicide resistance testing

Weed species	Samples tested	Resistant to glyphosate	Resistant to paraquat + diquat
Fleabane	64	41	0
Annual ryegrass	18	12	-



