

## Weed Research Program

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With approximately 85% of the pesticide volume sold in Alberta targeted at weeds they can arguably be considered the most important pest problem in agriculture. In addition to being major limiting factor in crop production, weeds can affect the health and well-being of livestock, the productivity and integrity of natural systems, international trade and even human health. It

Currently Dr. Chris Neeser is leading the Pest Surveillance Section's projects to monitor changes in weed populations, to detect new invasive plants and to conduct research on the development of optimal weed management practices. His research

Current projects include mapping of weeds regulated under the Alberta Weed Control Act, development of an online/mobile mapping application, the evaluation of Unmanned Aerial Vehicles for weed and disease scouting, modeling the impact of

is the mandate of the Pest Surveillance Section to provide relevant technical information to assist with the administration of the Alberta Weed Control Act, monitor changes in weed populations, detect new invasive plants, conduct research to develop appropriate management practices, assist in the training of weed inspectors and provide diagnostic services.

program has a strong collaborative focus that at this time leverages resources from other research programs within the Section, from other GoA departments, Agriculture and Agri-Food Canada as well as non-government entities.

climate change on weed distribution and testing of the suitability of sulfentrazone (Authority 480 Herbicide) for User Requested Minor Use Label Extension to seed alfalfa.

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