

## Row Cropping of Forage Seed Crops Project

### 1998 Report

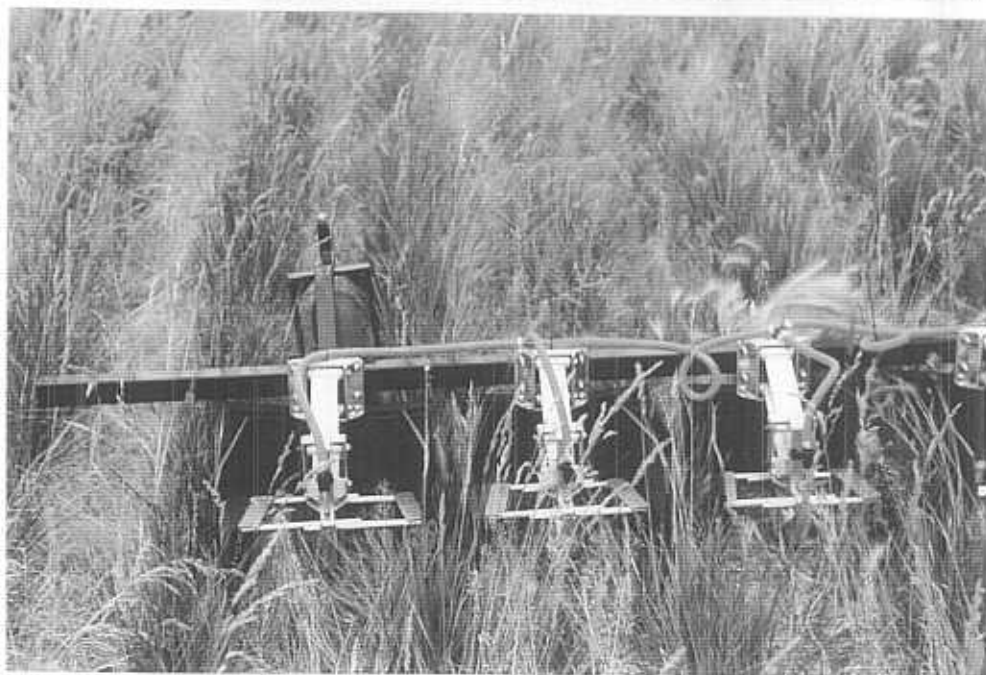
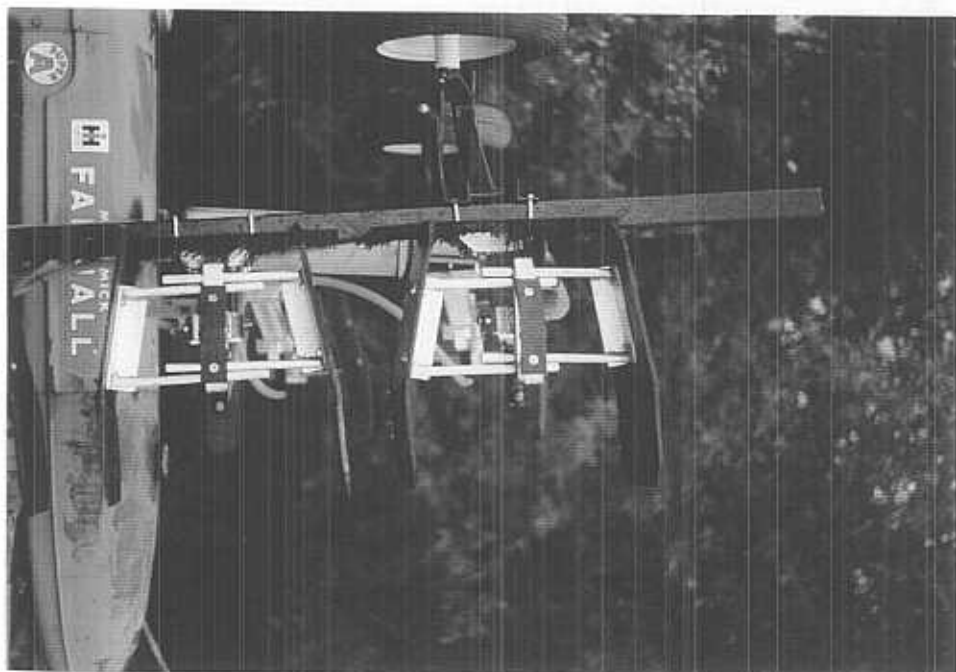
This project is jointly funded by the Peace River Agriculture Development Fund and by the BST Soil Conservation Association.

The objective of this project is to investigate whether in between row spraying of herbicides in grass seed species which require a wide row spacing will increase the purity of the harvested seed crop and the productive life span of the field.

The row sprayer which we intended to use is a 20ft wide unit from AGRO-WELD in Oregon. Each nozzle has adjustable shields on either side which control the swath width of the spray. Nozzle and shields are mounted to the main beam by two parallel arms which allow for up and down movement. A brush is mounted across the front of nozzle and shields and it bends any taller weeds over and ensures complete coverage of bigger weeds with spray solution. The whole sprayer was mounted on a 40 year old McCormick Farmall row-cropping tractor.

In 1998 the row sprayer arrived too late in order to create viable trials. Some tests were done though of spraying glyphosate in between tall fescue rows. It worked very well killing the weeds in the rows while the tall fescue did not show any damage. This is significant because tall fescue is easily killed with glyphosate and being able to spray it without any crop damage in between the rows proves that one can control any weed or volunteer plant in between the rows. The average daily production would be around 40 ac and the shielded nozzles allow for spraying in relative windy conditions also.

The site of the test spraying and the sprayer itself were part of the 1998 Peace Region Forage Seed Association Tour which was attended by appr. 15 members of the industry.





Dead weeds in between the rows  
at testing site



1998 Peace Region Forage Seed Association Tour