

## Wheatland Conservation Area Inc.

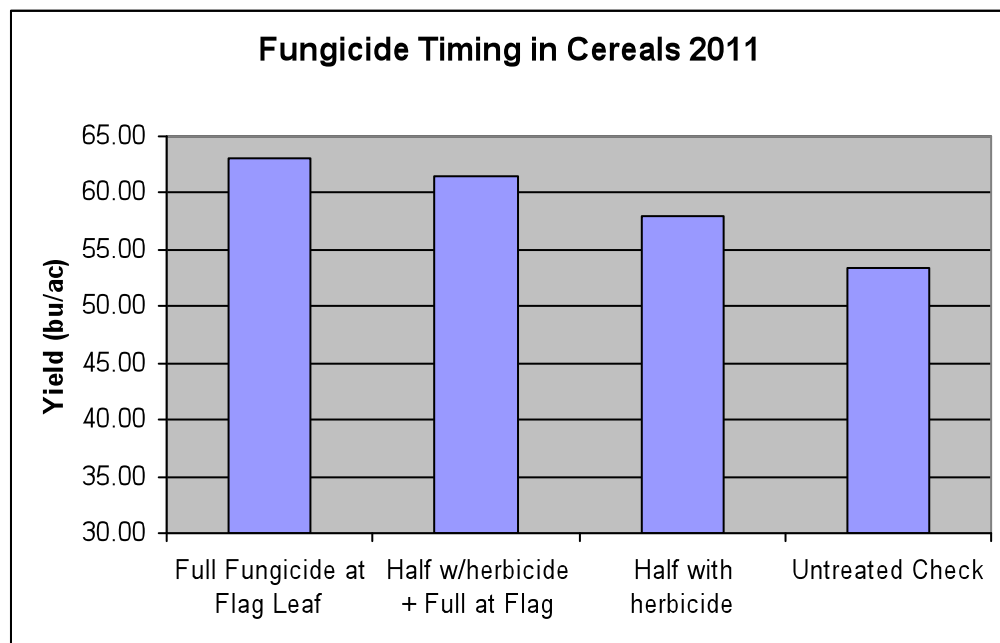
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### Fungicide Timing in Cereals Demonstration

Interest in using fungicides has increased recently due to significant disease pressure and the resulting grade losses that occurred on cereal crops in the past few seasons. Demonstrating the effectiveness of applying fungicides at the appropriate stage, shows potential yield and grain quality advantages, resulting in a potential increase in net returns to producers. This project was designed to demonstrate the effectiveness of applying fungicides at specific stages of development. The crop seeded was AC Lillian Wheat. The treatments included the following:

1. A half rate treatment applied with herbicides during the weed control stage
2. A half-rate applied along with the herbicides plus an additional full rate applied at the flag leaf
3. A full rate applied only at the recommended flag leaf stage
4. An untreated check.

Harvest samples were taken to determine yield and sub-samples were taken to evaluate disease and grade. Results from this trial show that applying fungicides was beneficial to both yield and grain quality at all the stages and rates we studied. Although, applying fungicide at the recommended rate and the recommended stage of development was most beneficial giving about a 9 bus/ac increase over the untreated check. Since moisture conditions during the past few years has been quite conducive for increased disease pressure, the results realized this season may not be replicated under drier conditions.



#### Acknowledgements

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