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Fungicide Timing in Cereals Demonstration

This project is designed to show farmers the benefits of utilizing fungicides in cereal crop production and the importance of applying fungicides at the appropriate times. Interest in using fungicides has increased recently due to an increase in disease pressure and the resulting loss of seed yield and grade. 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 to AC Lillian Wheat at the following stages of development:

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

In 2012 we saw an average yield increase of 2 bus/ac and an increase in grade with the dual application of Tilt compared to the untreated check. The high moisture conditions during the early stages of crop development also created the potential for early disease development. The dual application may have provided some early disease control with the second application providing protection throughout the season.. Although this treatment had the highest overall yield, it was not signifcantly different than the full rate of Tilt at flag leaf. Using the half rate of Tilt at herbicide time only, gave some control in June but not enough to carry it through the season and the resulting yields were not significantly different than the untreated check. All treatments showed an improvement in seed grade compared to the untreated check.

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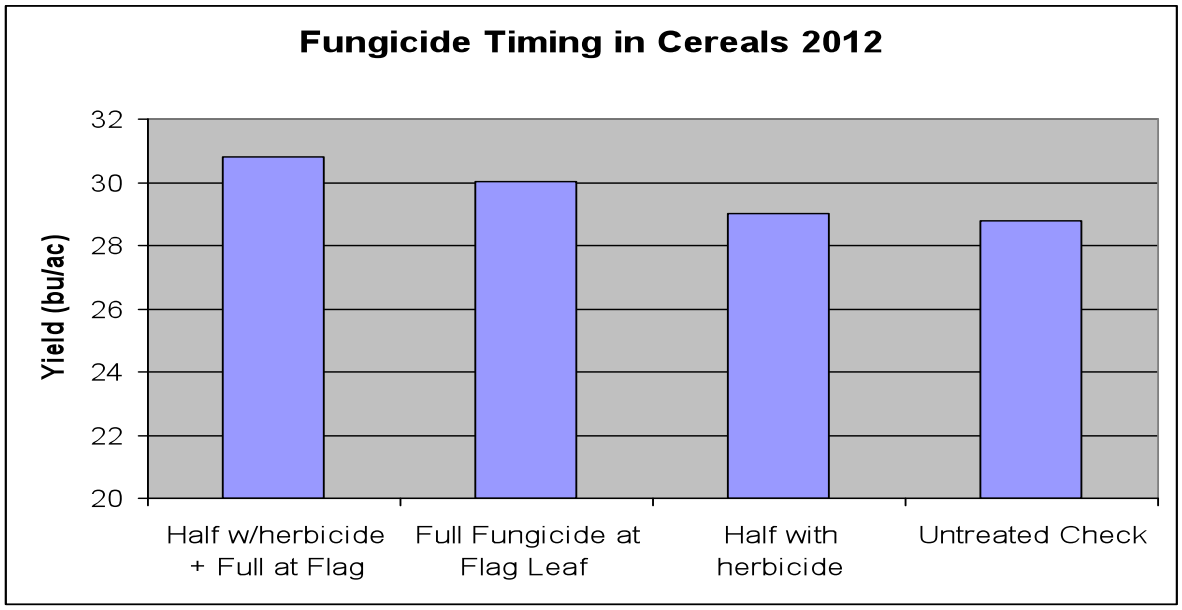

Acknowledgements

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