5-9-2005

After-freeze update on sentinel plots

X. B. Yang  
*Iowa State University, xbyang@iastate.edu*

Ralph von Qualen  
*Iowa State University*

Follow this and additional works at: [http://lib.dr.iastate.edu/cropnews](http://lib.dr.iastate.edu/cropnews)

Part of the [Agricultural Science Commons](http://lib.dr.iastate.edu/cropnews), [Agriculture Commons](http://lib.dr.iastate.edu/cropnews), [Meteorology Commons](http://lib.dr.iastate.edu/cropnews), and the [Plant Pathology Commons](http://lib.dr.iastate.edu/cropnews)

Recommended Citation


The Iowa State University Digital Repository provides access to Integrated Crop Management News for historical purposes only. Users are hereby notified that the content may be inaccurate, out of date, incomplete and/or may not meet the needs and requirements of the user. Users should make their own assessment of the information and whether it is suitable for their intended purpose. For current information on integrated crop management from Iowa State University Extension and Outreach, please visit [https://crops.extension.iastate.edu/](https://crops.extension.iastate.edu/).
After-freeze update on sentinel plots

Abstract
The record low temperatures last Monday, May 2, have caused significant damage to corn plants and early-planted soybeans in Iowa. It also affected a few of the sentinel plots in which plants emerged early. Plants in seven plots emerged before the freeze, and we were able to protect some by covering them with plastic sheets. Our collaborators at the West Central Coop at Jefferson protected their sentinel plot with hay. However, two plots were frozen and were immediately replanted last week.

Keywords
Plant Pathology

Disciplines
Agricultural Science | Agriculture | Meteorology | Plant Pathology

This article is available at Iowa State University Digital Repository: http://lib.dr.iastate.edu/cropnews/1376
After-freeze update on sentinel plots

The record low temperatures last Monday, May 2, have caused significant damage to corn plants and early-planted soybeans in Iowa. It also affected a few of the sentinel plots in which plants emerged early. Plants in seven plots emerged before the freeze, and we were able to protect some by covering them with plastic sheets. Our collaborators at the West Central Coop at Jefferson protected their sentinel plot with hay. However, two plots were frozen and were immediately replanted last week.

To prepare for frost, farm managers in some locations had planted a second plot a bit later to provide a backup. Soybeans emerged last week after the freeze at many of our locations. All plots will look much better after a week of warm weather.

We have a change in plot location to announce. The plot listed for Carroll County was actually planted in Greene County near Jefferson. We are still set to have the earliest flowering soybeans in the state, and the plots should function as planned in monitoring disease movement if soybean rust reaches Iowa this growing season.