

## Plant Pathology Fact Sheet

# Commercially Available Test Kits for the Detection of Mycotoxins in Corn and Other Grains

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Corn and other grains may become contaminated by mycotoxins, which are toxic substances produced by fungi. Mycotoxins can affect human and livestock health, and also can disrupt grain marketing. Because of these concerns, it is sometimes desirable to test harvested grain for mycotoxins. Several companies offer rapid detection test kits for detecting mycotoxins. USDA-approved, commercially available quick test kits for the detection of aflatoxin, fumonisin, vomitoxin (deoxynivalenol, DON) and/or zearalenone are available from the companies listed in the following table.



AFLATOXIN MAY BE PRESENT  
IN CORN INFECTED WITH THE  
ASPERGILLUS EAR ROT FUNGUS.

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## VENDORS OF USDA-APPROVED QUICK TESTS FOR MYCOTOXINS\*

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Envirologix, Inc.	866-408-4597 <a href="http://www.envirologix.com">http://www.envirologix.com</a>
Neogen Corporation	800-234-5333 <a href="http://www.neogen.com">http://www.neogen.com</a>
R-Biopharm, Inc.	877-789-3033 <a href="http://www.r-biopharm.com">http://www.r-biopharm.com</a>
Romer Labs	800-769-1380 <a href="http://www.romerlabs.com">http://www.romerlabs.com</a>
Strategic Diagnostics, Inc.	800-544-8881 <a href="http://www.sdix.com">http://www.sdix.com</a>
VICAM	800-338-4381 <a href="http://www.vicam.com">http://www.vicam.com</a>

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## ADDITIONAL RESOURCES

For more information on mycotoxins, including sample collection and preparation, refer to the following University of Kentucky publications available at your County Extension office, as well as on the Internet.

- Aflatoxins in Corn, ID-59 (1995)  
<http://www.ca.uky.edu/agc/pubs/id/id59/id59.pdf>
- Fumonisin, Vomitoxin, and Other Mycotoxins in Corn Produced by Fusarium Fungi, ID-121 (2002)  
<http://www.ca.uky.edu/agc/pubs/id/id121/id121.pdf>

\* Information for this table was compiled by Mike Roegge, Crops Educator, Adams/Brown Extension Unit. From *The Bulletin – Pest Management and Crop Development Information for Illinois*, Issue 22, September 2, 2005. <http://ipm.uiuc.edu/bulletin/article.php?id=406>

*(Revised October 2008)*

*Photo: Richard E. Stuckey,  
formerly of the University of Kentucky*