

## AFLATOXIN, VOMITOXIN AND FUMONISIN TEST KITS

Seedburo offers Agri-Screen®, Reveal® and Veratox® mycotoxin testing kits from Neogen®. The Agri-Screen and Veratox tests are competitive direct enzyme-linked immunosorbent assays (CD-ELISA) that allow the user to either qualitatively (pass/fail) or quantitatively (ppb or ppm reading) test a sample of grain. Neogen's new Reveal mycotoxin tests are extremely simple strip tests in a format similar to a stick home pregnancy test.

With the Agri-Screen and Veratox tests, and extraction is taken from the grain sample and mixed with a simple series of reagents in disposable microwells. If the sample in a microwell results in less blue color, it contains more toxin than the control. The user has the flexibility to test at various concentrations and the test takes less than 5 minutes to perform. The color of the sample is either visually compared to the color of the control for pass/fail results, or used with the Awareness Microwell Reader (NEO9302) for an exact ppm or ppb result. With the Reveal test, all a tester has to do is dip a strip into an extracted sample. Results are available in as little as two minutes. Neogen's new AccuScan™ Reader \*NEO9590, the only lateral flow test reader on the market, provides an easy method to objectively read, store, and analyze results from Neogen's Reveal line of test strips. (Aflatoxin and Fumonisin tests require a 70% dilution of methanol, No. NEO8055.)



**AFLATOXIN TEST KITS:** Aflatoxin is a naturally occurring carcinogen and is a by-product of mold growth in a wide range of commodities. It can be produced pre-harvest in the field and post-harvest in storage. The maximum allowable limit set by the USDA is 20 ppb, which is about 20 bad corn kernels in 11,650 bushels or four loaded hopper cars. In high heat and drought conditions, it is essential that grain handlers know what levels of aflatoxin might be present in the grain they are receiving.

Agri-Screen® Aflatoxin Screening Kit - screens at 20ppb, up to 18 samples .....	No. NEO8010
Reveal® for Aflatoxin - screens at 20ppb, 25 samples .....	No. NEO8015
Veratox® AST - Aflatoxin Single Test - range 5-320 ppb, 16 samples .....	No. NEO8041*
Veratox® Aflatoxin Test Kit - range 5-50 ppb, up to 40 samples .....	No. NEO8030
Veratox® HS - High Sensitivity - range 1-8 ppb, up to 38 samples .....	No. NEO8031*
Universal Extraction Kit for 12 samples. Includes extraction bottles, collection tubes, filter syringes .....	No. NEO8052

**DON (vomitoxin) TEST KITS:** Chemically known as deoxynivalenol, DON is produced most commonly by the pink mould fusarium graminearum. It can cause gastrointestinal illness in humans. In animals, it can cause vomiting, feed refusal, immune suppression, and weight loss, especially in swine. Agri-Screen® for DON is a qualitative test and users visually compare their results against a known control sample, whereas the Veratox® kit provides an exact concentration result from 0.5-6 ppm and requires a NEO9023 Awareness reader.

Agri-Screen® for DON with 1 ppm control, up to 20 samples .....	No. NEO8310
Veratox® 5/5 range .25-2.5 ppm, up to 38 samples .....	No. NEO8331*
Universal Extraction Kits for 12 samples .....	No. NEO8052

**FUMONISIN TEST KITS:** Fumonisin (B1, B2, and B3) is a by-product of molds that commonly infect corn. As with the other Neogen test kits, the fumonisin tests are available in the Agri-Screen® simple pass/fail qualitative kit or the Veratox® quantitative kit if you need an exact parts per million result.

Agri-Screen® For Fumonisin, screens at 5 ppm, up to 20 sample .....	No. NEO8810
Veratox® for Fumonisin 5/10, range 0.5 to 6 ppm, up to 38 sample .....	No. NEO8835*
Veratox® for Fumonisin, range 1 to 6 ppm, up to 38 samples .....	No. NEO8830*
Universal Extraction kit for 12 samples .....	No. NEO8052

## ACCESSORIES FOR AFLATOXIN, VOMITOXIN & FUMONISIN KITS:

Agri-Screen® Starter kit - contains Agri-Grind with replacement blade, well holder, marking pen, timer, 100 µL pipettor, 1000 pipette tips, tip rack and demo video .....	No. NEO9270
Veratox® Starter Kit - contains 12 channel pipettor, 100 µL pipettor, wash bottle, well holder, 1000 pipette tips, tip rack, marking pen, timer, reagent boats, lab station, demo video .....	No. NEO9271
Reveal® AccuScan™ Lateral Flow Test Reader .....	No. NEO9590



*Awareness Microwell reader with power supply, 110V 60Hz, required for Veratox® test kits .....	No. NEO9302
Methanol, 70% dilution, 1 gallon, required for all aflatoxin and fumonisin test kits .....	No. NEO8055