Introducing TotalTarget™ for Sprout Damage



Preharvest Sprouting and Late Maturity Amylase (LMA) in Wheat Pose Problems for Grain Buyers and Wheat Millers

Wet weather or temperature fluctuations during key growth stages of wheat can result in significant quality issues such as preharvest sprout damage and Late Maturity Amylase (LMA). This damage renders the grain unsuitable for baking applications, and only saleable at a significant discount for feed use. If this damaged wheat isn't detected and segregated, wheat buyers risk:

- Overpaying for poor quality grain
- Contaminating sound grain with sprout damaged grain and losing bin premium

Meet the World's First Rapid, Easy-to-use, Test for Preharvest Sprouting and LMA

Until now, the milling industry has used a Falling Number Machine to assess bulk wheat for sprout damage and LMA, but adoption at grain receipt has been limited due to high equipment and maintenance costs, specialty training requirements, and safety and efficiency concerns.

Enter, TotalTarget for Sprout Damage, a fast, simple, and safe strip test that directly measures the amylase activity in wheat and reports results in the same units as the Falling Number Machine for easy grain quality decisions. Run on the same reader and data management platforms as all EnviroLogix rapid grain diagnostics, TotalTarget for Sprout Damage can be run in parallel with TotalTox DON creating an ideal testing ecosystem for managing wheat quality risk before it can cause trouble downstream.

Business Need	How EnviroLogix Can Help	TotalTarget for Sprout Damage	vs	Falling Number Machine
Sprout Damage Grading and Segregation	Rapid testing for Sprout Damage at grain receipt.	✓ QuickScan Reader is a low cost, easy-to-use testing system designed for use in the scale house. ✓ QuickScan is a footprint-efficient, multi-purpose grading instrument compatible with all EnviroLogix rapid diagnostics.		✗ High startup and maintenance costs inhibit broad deployment. ✗ Instrument is not portable and needs significant counter space. ✗ Instrument only runs 1 type of test (Falling Number).
Operational Efficiency	Test for DON (vomitoxin) and Sprout Damage with a common workflow on a common reader system.	✓ DON and Sprout Damage results in 7 minutes. ✓ No glassware cleaning.		✗ DON and Falling Number results in 10 minutes. ✗ Cleaning glassware adds time and complexity.
Merchandising Decisions	Arm your commercial team with supplier quality intelligence to simplify procurement decision making.	✓ TotalHub Data Management for instant data visibility, alerts, and analysis.		✗ Manual distribution of Falling Number results.
Operator Safety	Eliminate glassware handling and boiling water exposure to protect your operators from accidental injury.	✓ Plastic Consumables ✓ Non-burning incubation temperatures		✗ Risk of glassware breakage and cuts. ✗ Risk of burns from boiling water.

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