

Sample Preparation



Determine sample weight for the number of kernels tested



Grind with Bunn Grinder



Or, use an alternate method of grinding

Test Procedure

*Weigh out sample, then calculate the volume of water needed

Grams of Corn x 1.5 = mL of water

For example, 800 kernels with average seed weight of 0.3g:

$(800 \text{ kernels} \times 0.3\text{g}) = 240\text{g of ground corn}$

$240\text{g} \times 1.5 = 360 \text{ mL water}$



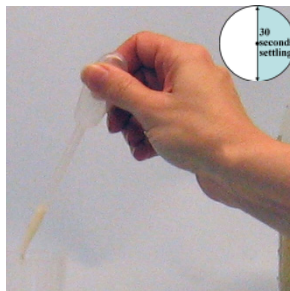
1. Measure and add water to ground corn in jar or bag*



2. Shake vigorously for 30 seconds, then **settle 30 seconds**



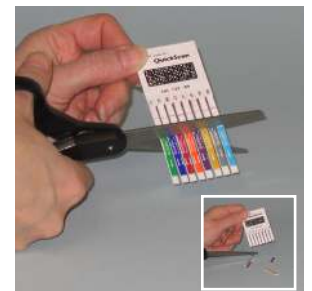
3. Set up testing cup in holder



4. Pipette from container to fill mark indicated on holder; alternatively, pour carefully. Allow to **settle 30 seconds**.



5. Insert comb into cup with arrows pointing down; wait 5 minutes



6. Remove from cup and cut off tailpads, read immediately with QuickScan.

Test Interpretation

Protein/Trade Name	Sensitivity
Cry1Ab/Bt11, YieldGard Corn Borer	0.25% (2 kernels in 800)
Event 603/Roundup Ready	0.5% (4 kernels in 800)
Cry3Bb/YieldGard Rootworm	0.5% (4 kernels in 800)
Cry1F/Herculex I	0.5% (4 kernels in 800)
T25/Liberty Link	0.5% (4 kernels in 800)
Cry34/Herculex RW	0.5% (4 kernels in 800)
mCry3A/Agrisure RW	0.2% (~2 kernels in 800)
Cry2A/in SmartStax (MON98034)	0.4% (~3 kernels in 800)
Vip3A/Viptera	0.25% (2 kernels in 800)
eCry3.aAb/Duracade	0.1% (~1 kernel in 800)



If **two** lines form, the sample is **positive**

Control Lines always need to be present

Lines may be pink or gray