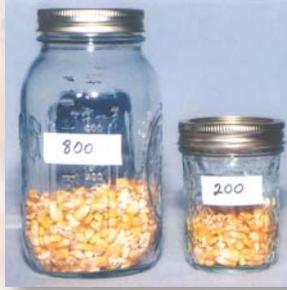


# QuickComb Kit for Corn Bulk Grain

# QuickGuide

## Sample Preparation



1. Determine sample weight for the number of kernels tested



2. Grind a representative sample with Bunn Grinder



Or, use an alternate method of grinding

## Test Procedure

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

$$\text{Grams of Corn} \times 1.5 = \text{mL of water}$$

*For example, 400 kernels with average seed weight of 0.3g:*

$$(400 \text{ kernels} \times 0.3\text{g}) = 120\text{g of ground corn}$$

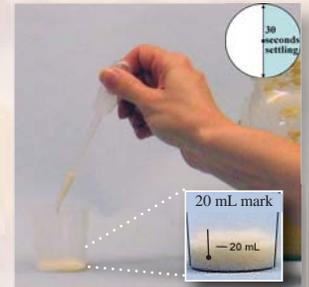
$$120\text{g} \times 1.5 = 180 \text{ mL water}$$



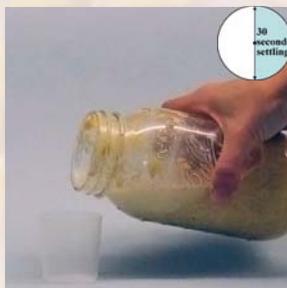
1. Measure and add ground corn and water to jar or bag\*



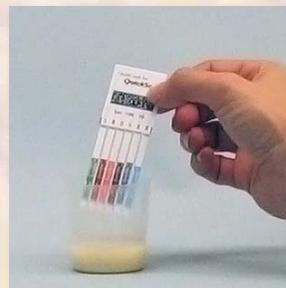
2. Seal container, shake to wet entire sample, settle 30 seconds



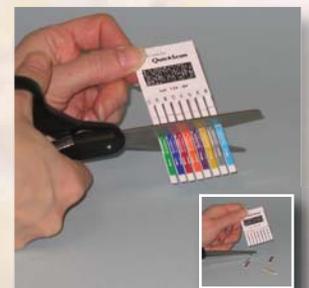
3. Pipette into cup to 20 mL line; settle 30 seconds



4. Alternatively, pour from jar or bag to the 20 mL line; settle 30 seconds



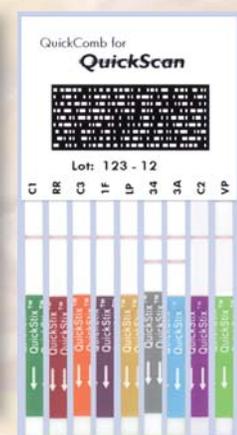
5. Insert comb into cup with arrows pointing down; wait 5 minutes



6. To retain results, cut off tailpads. For QuickScan, cut tailpads & scan immediately

## Test Interpretation

Protein/Trade Name	Sensitivity
Cry1Ab/Bt11, YieldGard Corn Borer	0.8% (~6 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	0.9% (~8 kernels in 800)
Cry2A/in SmartStax (MON98034)	0.9% (~8 kernels in 800)
Vip3A/Viptera	0.25% (2 kernels in 800)



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

Control Lines always need to be present