



CropWatch

Addendum of
Tables
July 30, 2004

Published by University of Nebraska Cooperative Extension in the Institute of Agriculture and Natural Resources

Worksheet for determining need for treatment for second generation European corn borer

_____ Number of egg masses per plant x 3 borers per egg mass* = _____ borers per plant

_____ Borers per plant x 4% yield loss per borer** = _____ percent yield loss

_____ Percent yield loss x _____ expected yield (bu per acre)
= _____ bushels per acre loss

_____ Bushels per acre loss x \$ _____ sale price per bu = \$ _____ loss per acre

\$ _____ loss per acre x 70% control*** = \$ _____ preventable loss per acre

\$ _____ preventable loss per acre - \$ _____ cost of control (product + application costs) =

\$ _____ profit (+) or loss (-) per acre if treatment is applied

If preventable loss exceeds cost of control, insecticide treatment is likely to result in economic benefit.

* Assumes survival rate of three borers per egg mass; may vary with weather and egg mass size.

** Use 3% loss per borer per plant if infestation occurs after silks are brown. The potential economic benefits of treatments decline rapidly if infestations occur after the corn reaches the blister stage.

*** 70% is an average, you may use another value if desired.

Addendum to the July 30, 2004 *CropWatch*,
available online at <http://cropwatch.unl.edu/archives/2004/crop17.htm>