Calculation form for cost-benefit analysis of European corn borer management in tassel-stage or later corn.

1. ______ day of scouting - ______ day egg laying started = ______ days after first eggs laid
2. ______ egg masses found / ______ (for middle 7-leaf samples) = ______ adjusted egg masses
3. ______ adjusted egg masses / ______ plants examined = ______ egg masses per plant
4. ______ days after first eggs laid & ______ egg masses per plant = ______ larvae per plant*
5. ______ larvae per plant x ______ yield loss per larva**,*** = ______ yield loss
6. ______ yield loss x ______ expected yield (bushels per acre) = ______ bushels loss per acre
7. ______ bushels loss per acre x ______ price per bushel = $______ loss per acre
8. ______ loss per acre x ______ percent control** = $______ preventable loss/acre
9. ______ preventable loss/acre - ______ cost of control per acre = $______ profit (loss) per acre

*Take from Table 3 at http://www.ent.iastate.edu/pest/cornborer/manage/second
**All percents must be written using decimals (i.e., 50 percent = 0.5).
***Use 0.04 for pollen-shedding corn, 0.031 for blister-stage corn, or 0.024 or dough-stage corn.

Source: http://www.ent.iastate.edu/pest/cornborer/node/167