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