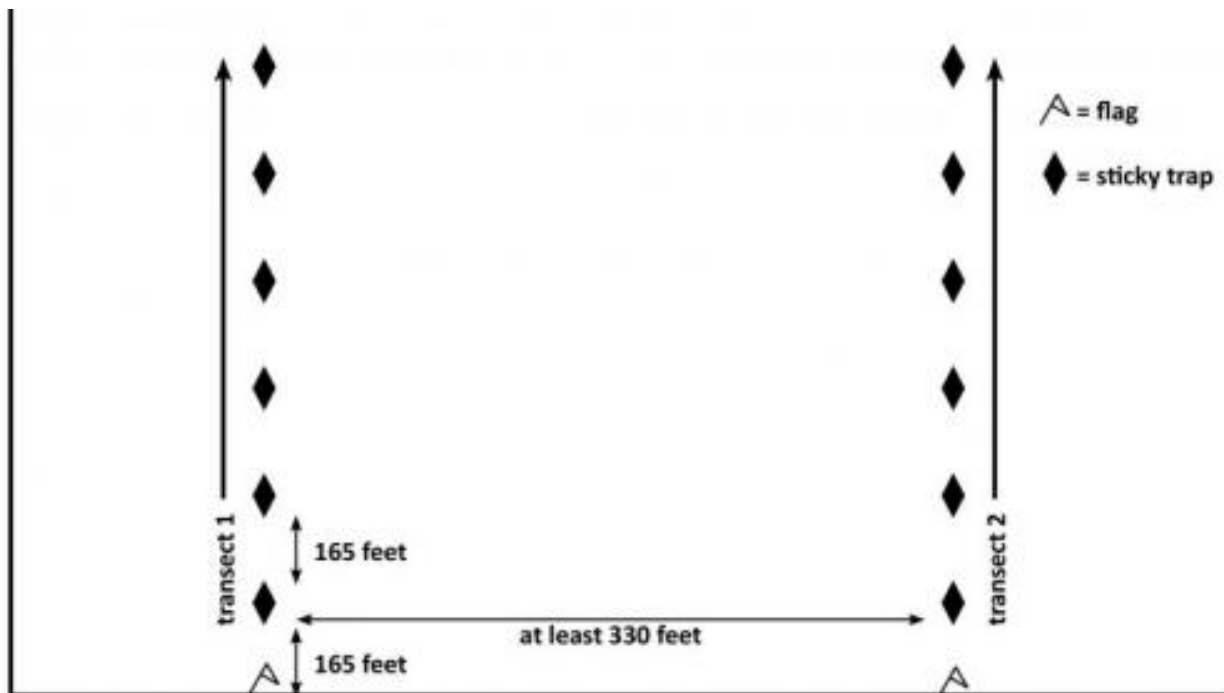
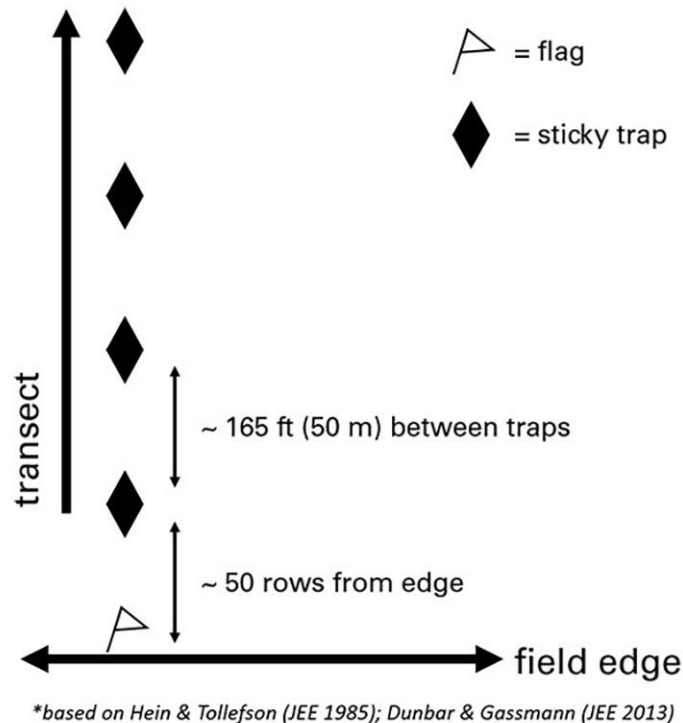


## Full Transect Design for Corn Rootworm Adult Trapping



- *\*Based on Hein & Tollefson (JEE 1985); Dunbar & Gassmann (JEE 2013)*
- Two (2) transects for every 10-50 acres, spaced at least 330 feet (100.5 meters) apart.
- Six to eight (6-8) traps per transect.
- Keep traps at least 165 feet (50.2 meters) from the field edges.
- Place the first trap at ear height on a corn plant. Continue down the same row, placing subsequent traps at least 165 feet (50.2 meters) apart.
- Use a flag, post, or marker at the field edge to quickly locate transects in the future.
- Replace traps weekly for 6-8 weeks. This encompasses the total emergence period of corn rootworm adults.
- Multiple transects per field with at least 6 traps per transect will give the most accurate and reliable data for decision-making.

## Modified Transect Design for Corn Rootworm Adult Trapping (used for trapping network)



- One (1) transect.
- Four (4) traps per transect.
- Keep traps at least 165 feet (50.2 meters) from the field edges.
- Place the first trap at ear height on a corn plant. Continue down the same row, placing subsequent traps at least 165 feet (50.2 meters) apart.
- Use a flag, post, or marker at the field edge to quickly locate transects in the future.
- Replace traps weekly for 4 weeks. Aim to capture peak emergence (begin about 2 weeks after first adults emerge or silking occurs).
- This is a modified version of the full transect design to accommodate funding for many volunteers in each state/province. While data from a single transect is less reliable, the data can still be useful for assessing corn rootworm populations. Additionally, individuals can build on this by purchasing their own traps to supplement those provided by the network.