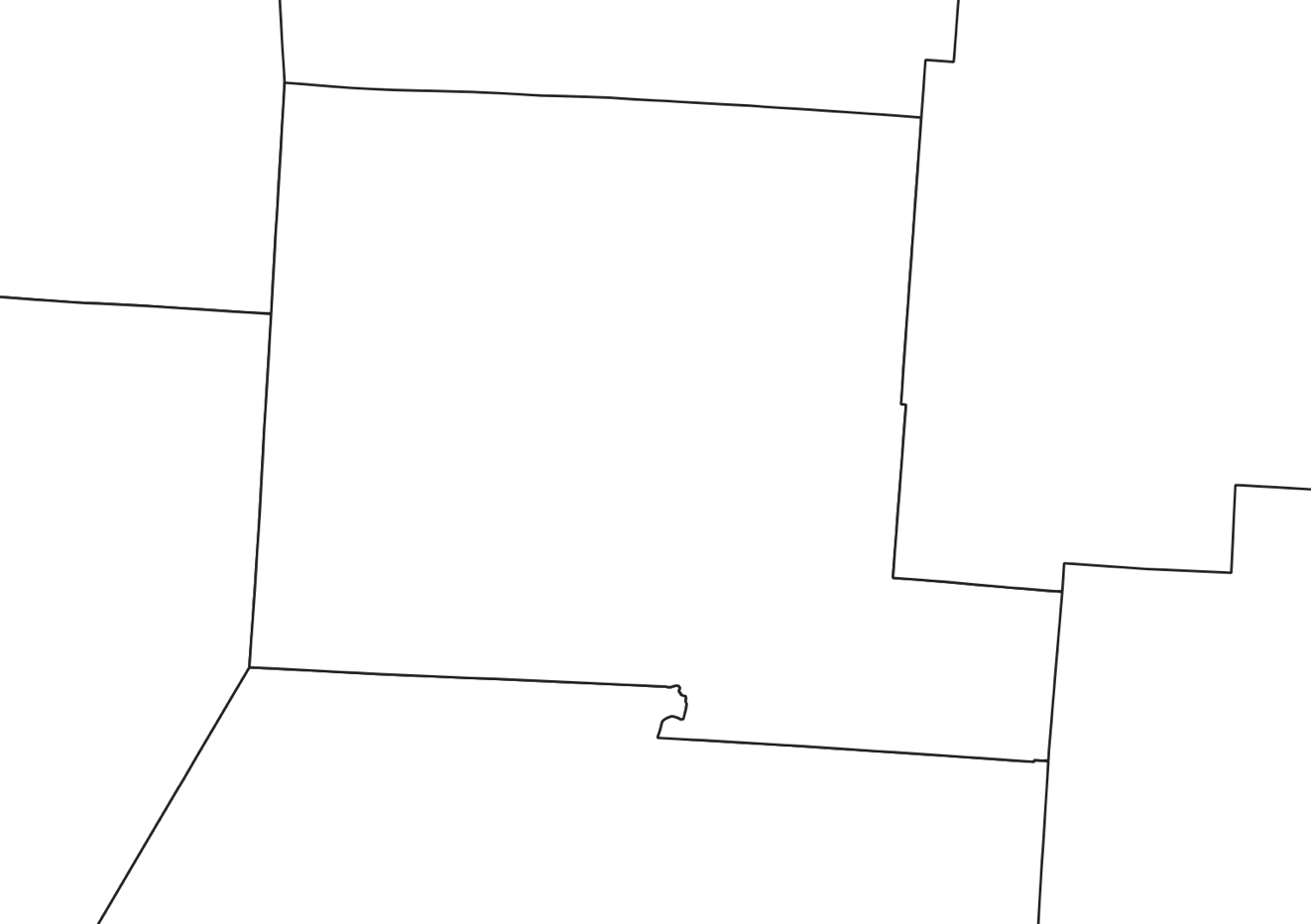
# Running title: Horseweed survey

**A survey evaluating the spatial and temporal distribution of horseweed (*Conyza canadensis*) late season in Ohio soybean (*Glycine max*) fields from 2013 to 2017**

Alyssa I. Essman1, Mark M. Loux2, Alexander J. Lindsey3, Bruce A. Ackley4, Emilie E. Regnier5

1Research Associate, Department of Horticulture and Crop Science, The Ohio State University, Columbus, OH, USA; 2Professor, Department of Horticulture and Crop Science, The Ohio State University, Columbus, OH, USA; 3Assistant Professor, Department of Horticulture and Crop Science, The Ohio State University, Columbus, OH, USA; 4Extension Program Specialist, Department of Horticulture and Crop Science, The Ohio State University, Columbus, OH, USA; and 5Associate Professor, Department of Horticulture and Crop Science, The Ohio State University, Columbus, OH, USA.

**Supplemental Materials**



Start

Mid-point

Finish

Supplementary Figure S1. Example driving route within Pickaway County, OH illustrating diagonal transects driven in each county.

A

B

C

D

Supplementary Figure S2. Example diagram of field rating levels taken from edge of field. Large green squares represent a single field. Small green circles represent a single horseweed plant. Zero – not present (A); one – single, isolated weeds scattered in the field (B); two – clustered groups dispersed throughout the field (C); and three – dense, widespread clusters, indicative of an infestation (D).



A

B

C

D

E

Supplementary Figure S3. Pictures representing rating levels. Fields with pigweeds at the various rating levels for illustration. Horseweeds were the species rated for this study. Zero – not present (A); one – single, isolated weeds scattered in the field (B); two – clustered groups dispersed throughout the field (C and D); and three – dense, widespread clusters, indicative of an infestation (E).