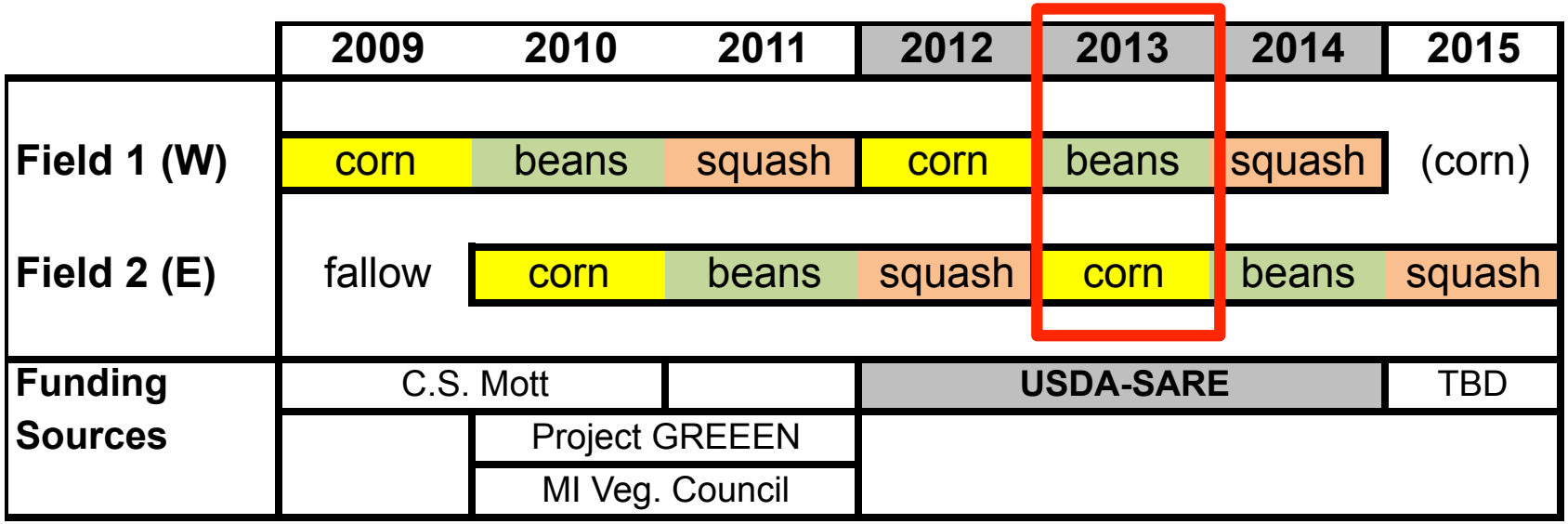

Notes: corn = sweet corn; beans = snap beans; squash = winter squash

Figure 1. Summary of crop sequence and funding sources for long-term tillage trial at SWMREC station, Benton Harbor MI. In 2013, snap beans and sweet corn were grown following either 4 or 5 years of tillage (strip till vs conventional till) x cover crop (none, rye or rye-vetch) x weed management intensity (low or high) treatments.

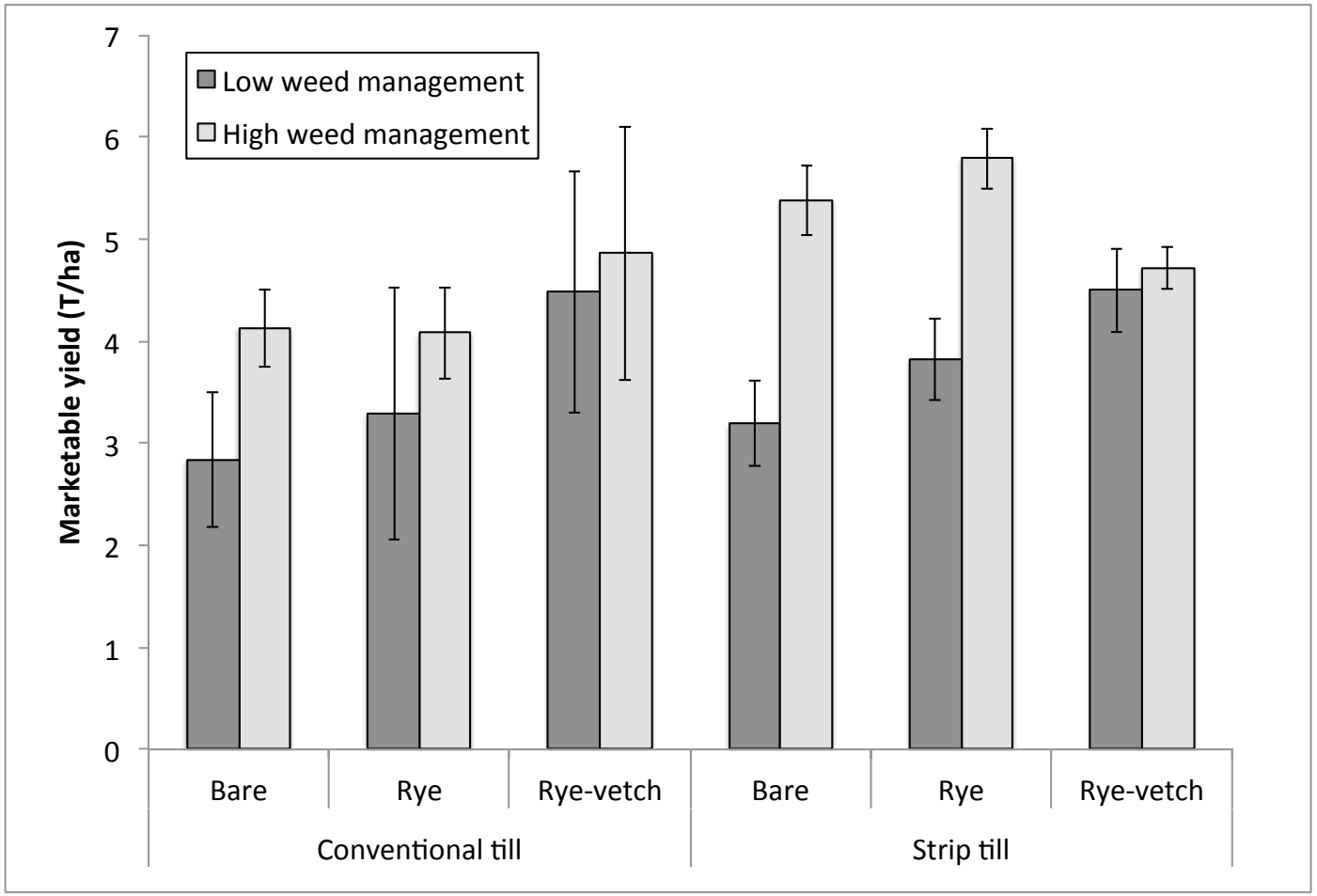

Figure 2. Mean (±se) snap bean yields, SWMREC, 2013.

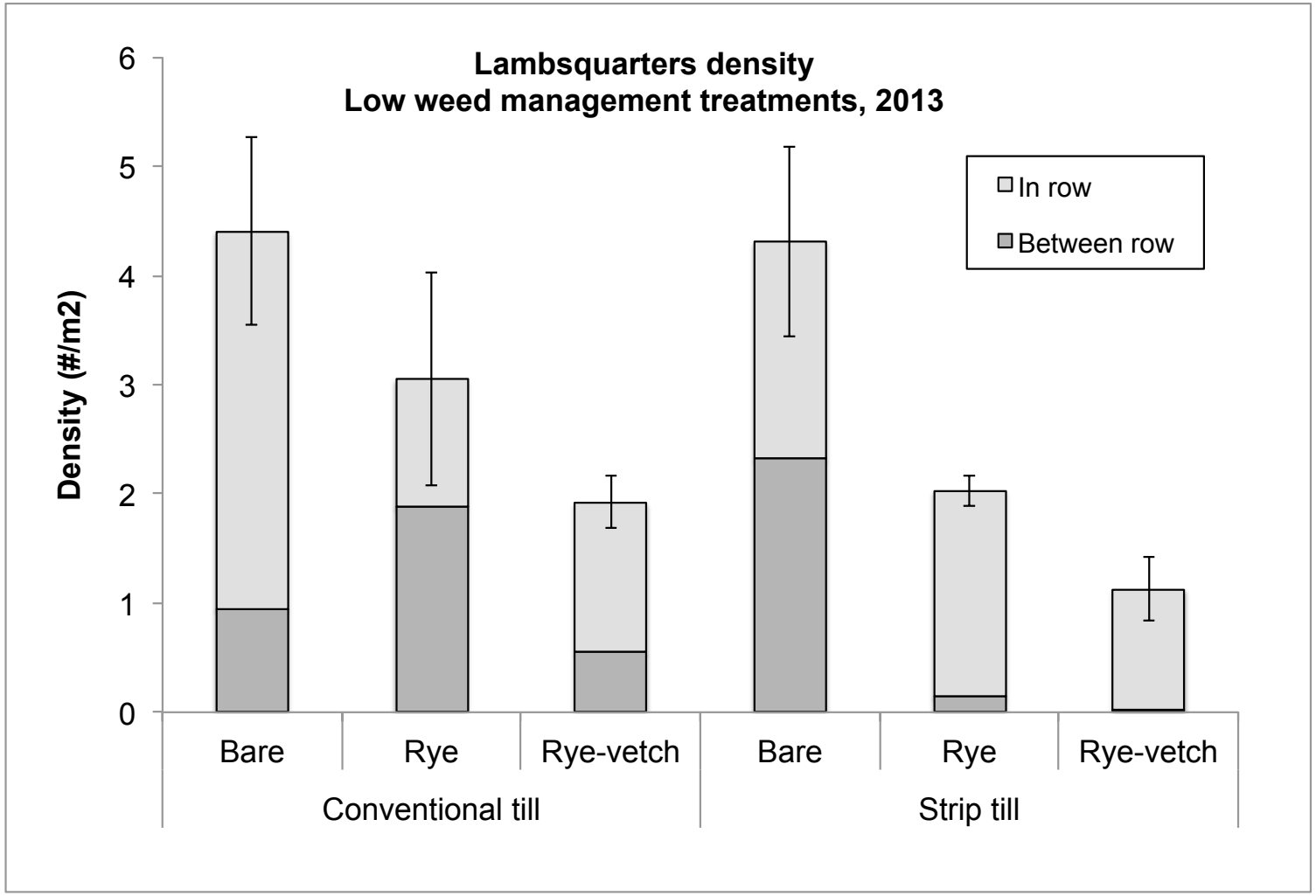

Figure 3. Mean (±se) lambsquarters density in snap beans, SWMREC, 2013.

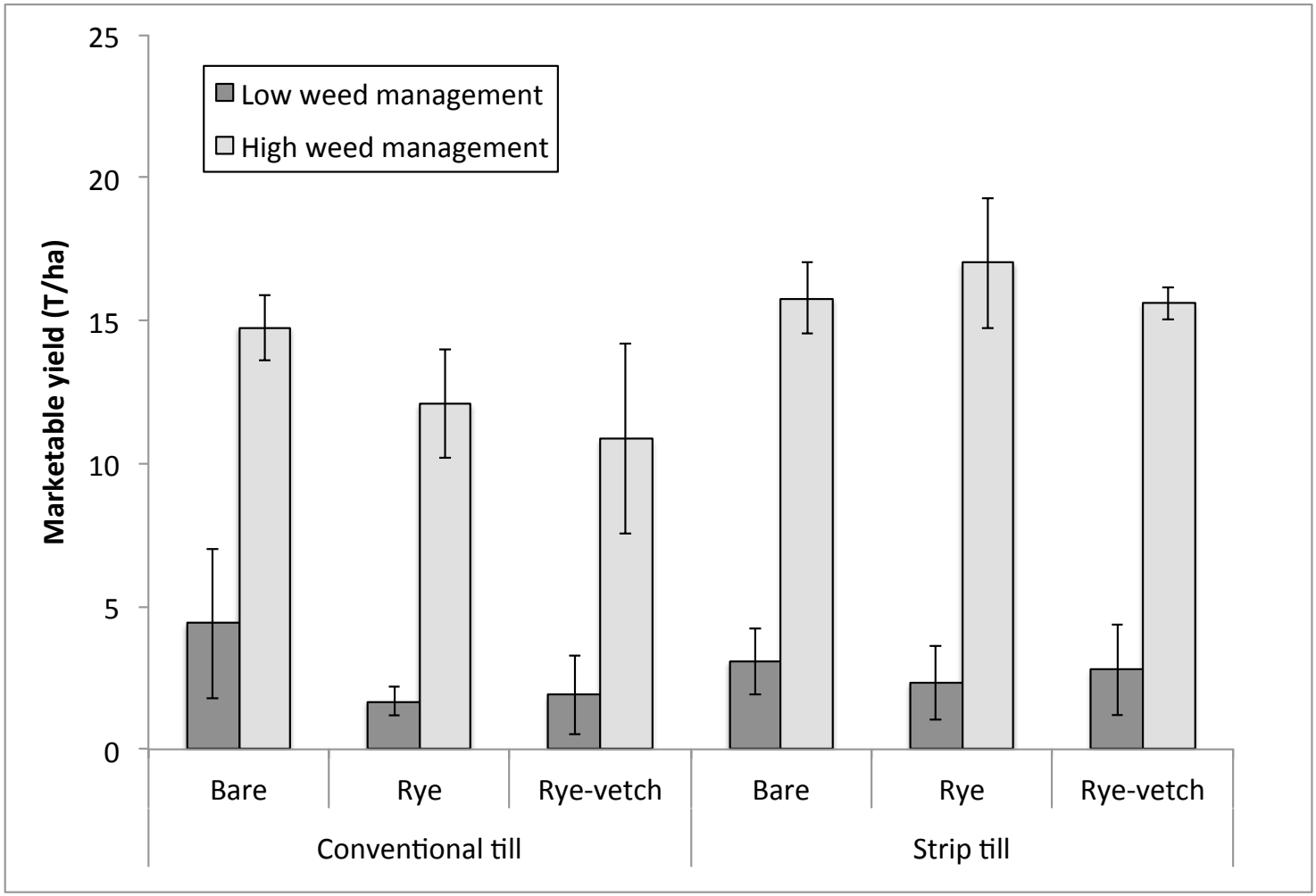

Figure 4. Mean (±se) sweet corn yields, SWMREC, 2013.

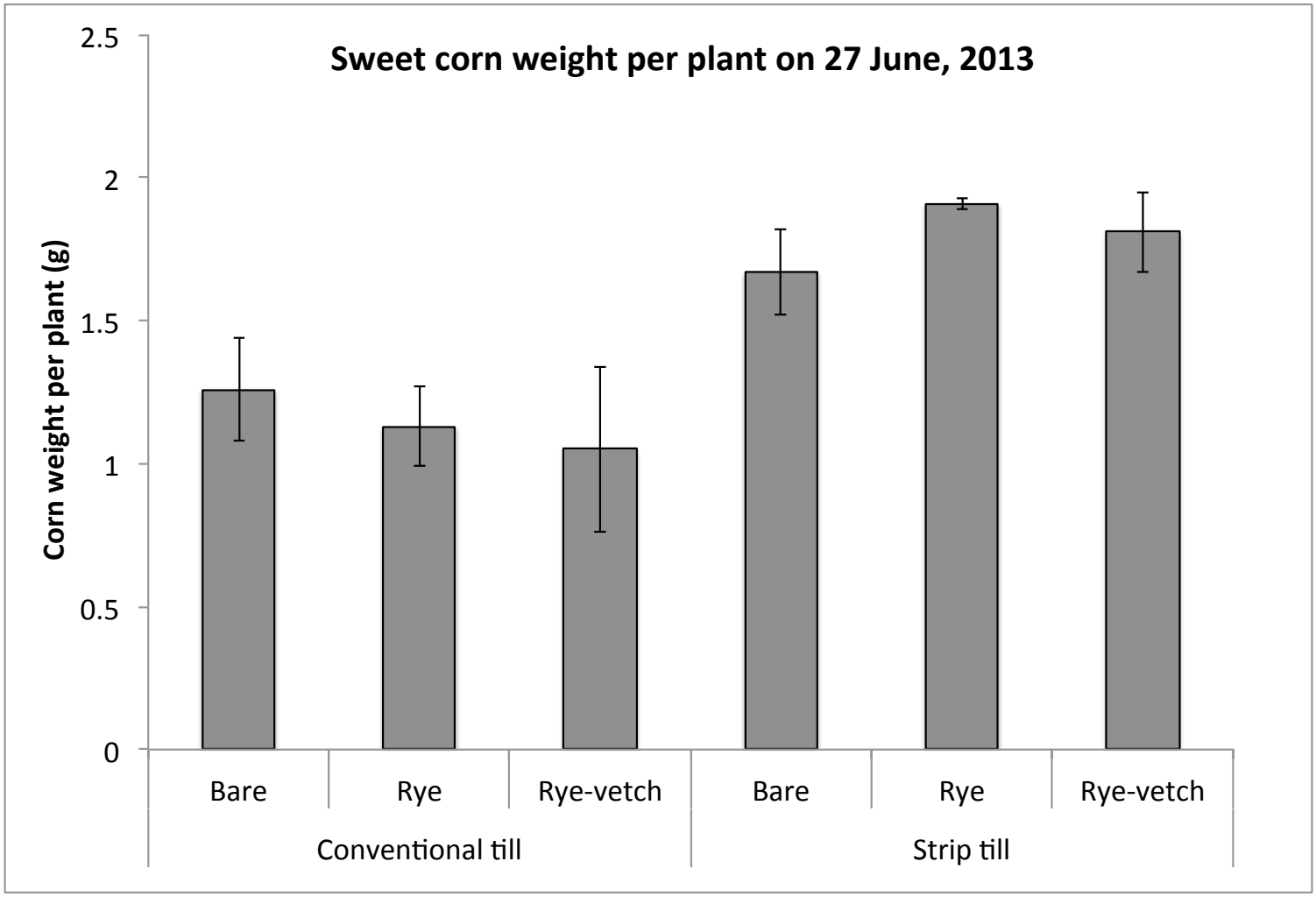

Figure 5. Sweet corn dry weight per plant prior to sidedressing, SWMREC, 2013.

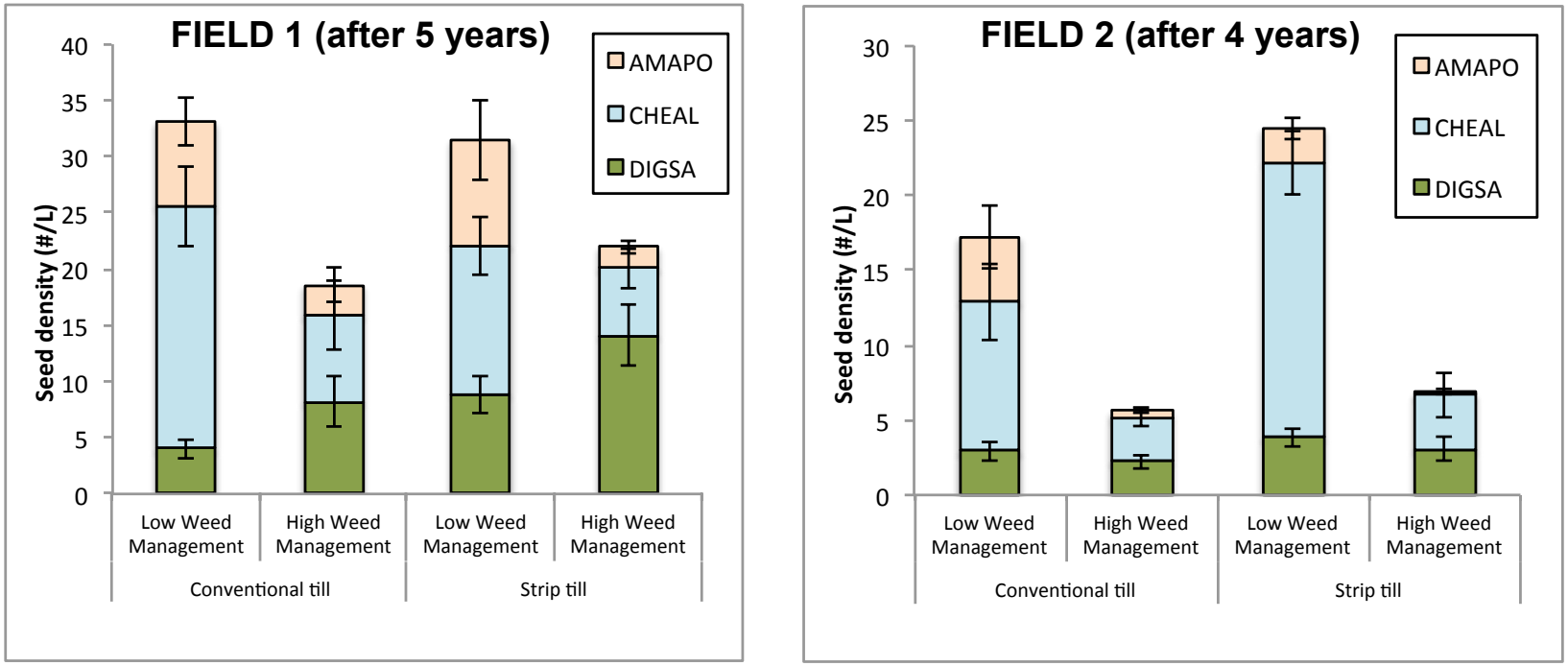

Figure 6. Germinable weed seedbank of Powell amaranth (AMAPO), common lambsquarters (CHEAL) and large crabgrass (DIGSA), following 4 or 5 years of tillage and weed management treatments.

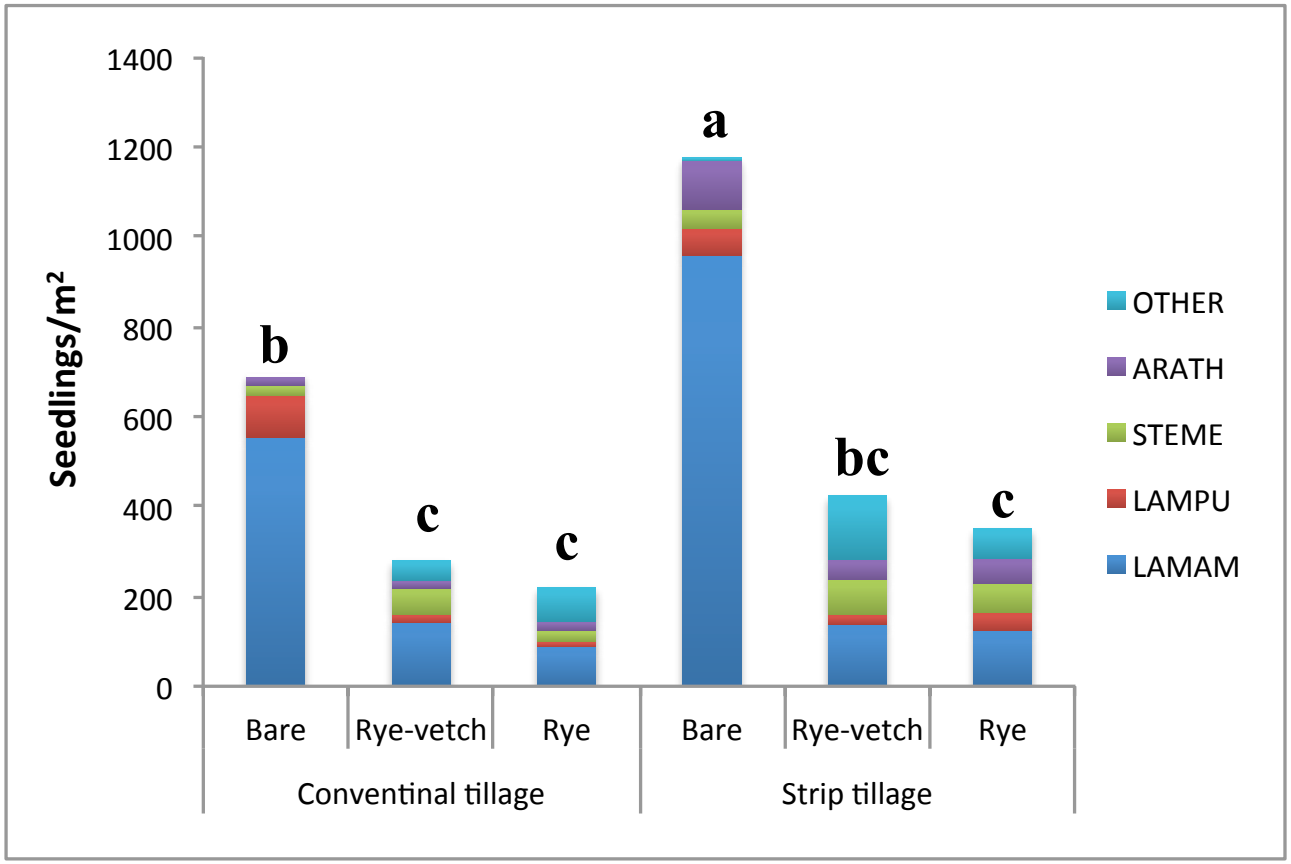

Figure 7. Winter annual weed abundance from Field 1, following 5 years of tillage and cover crop treatments. ARATH = Arabidopsis; STEME = chickweed; LAMPU = purple deadnettle; LAMAM = henbit.

Figure 8. Winter annual weed abundance from Field 1, following 5 years of tillage and cover crop treatments. ARATH = Arabidopsis thaliani; STEME = chickweed; LAMPU = purple deadnettle; LAMAM = henbit.