**Marestail Emergence Pattern Study**

**3 marestail populations:** Lincoln, North Platte, and Scottsbluff.

**Experimental design:** randomized complete bock design with 6 replications per site (18 rings per site).

**Data collection:** emergence should be evaluated on a weekly basis from August through November/December, resumed in February until emerge stops. The total number of emerged seedlings should be recorded and emerged seedlings should be removed from experimental units with minimum soil disturbance.

2 research sites at Lincoln (Havelock farm – a corn site and a soybean site?!), North Platte (under irrigated soybeans and dryland fallow after wheat), and Scottsbluff (dryland fallow after and irrigated corn?!) for a total of 6 sites per year.

**Experimental Units:** PVC rings (12 inches wide and 2 inches deep). Bury them one inch in the ground (so we have one inch lip to contain the seeds). Rings should be placed at least 0.5 m apart. Put one **teaspoon (~5 ml)** of marestail seeds in each experimental unit. Spread the seeds uniformly on the soil surface for slight incorporation.