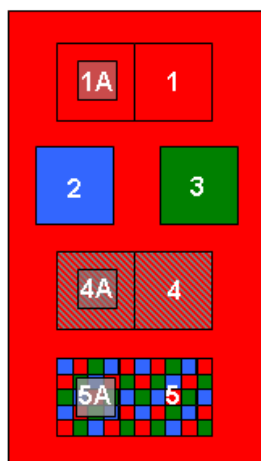
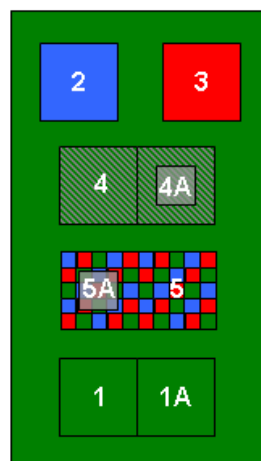


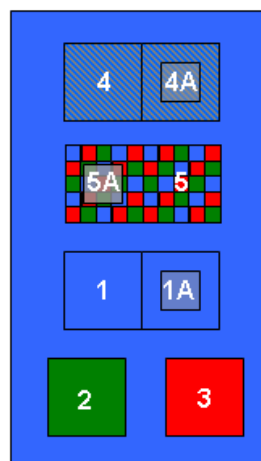
Hays, KS



Manhattan, KS




Belleville, IL




 Hays population source

 Konza population source

 Illinois population source

 Mixed population sources

 Cultivar of "home" population source

 Reduced rainfall treatment

Figure 5. Experimental design for a representative block in each region for the reciprocal common garden experiment conducted in three regions across the precipitation gradient of the tallgrass prairie. Five plots will be established in each block using *A. gerardii* genotypes collected from each of the three regions (Plots 1-3), cultivars (Plot 4), and an equal mixture of genotype from all regions (Plot 5). Plots of single source local genotypes from each home environment, cultivars, and mixed genotypes will be twice as large, with a subplot subjected to a 50% reduction in ambient precipitation at each site (1A, 4A, and 5A). All treatments will be assigned to plots according to a randomized complete block design (n=4 blocks).