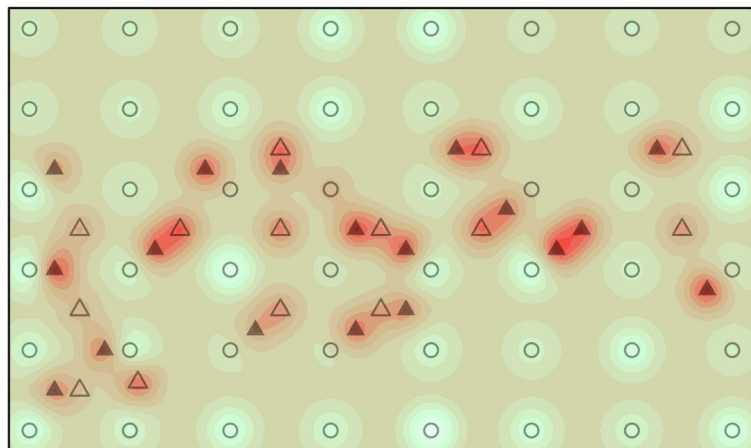
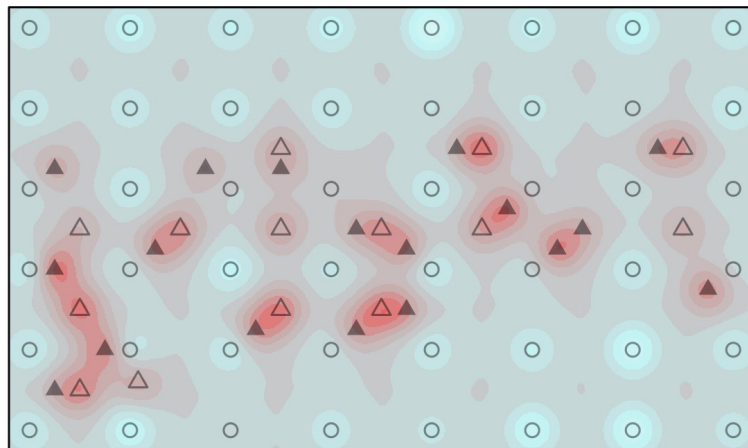


Koa Plantation (KP)

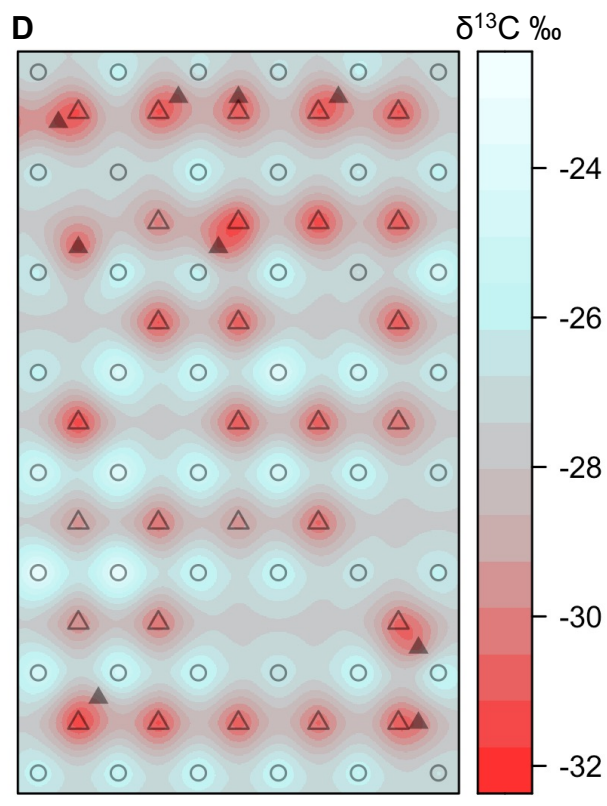
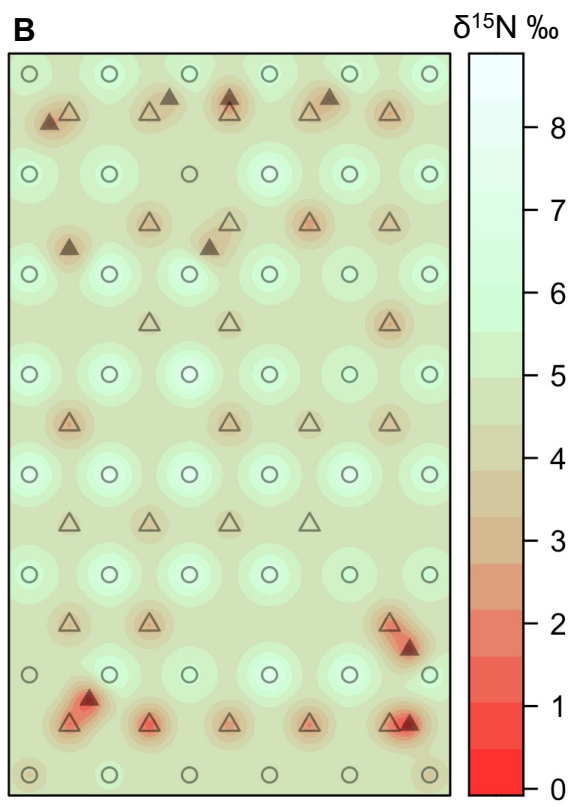
**A** Soil + foliar  $\delta^{15}\text{N}$



**c** Soil + foliar  $\delta^{13}\text{C}$



Remnant Forest (RK)



- ▲ *Acacia koa*  
△ *Rubus* spp.  
○ soil

5 m  
N