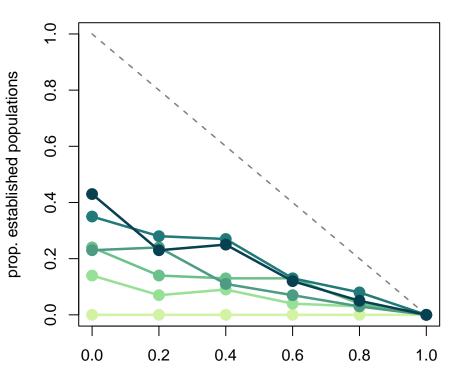**prob.surv= 0.5**

prop. established populations

probability of detection/removing mosquitos