



Case study



Corn field being eaten by slugs



Slugs

~20% Mid-Atlantic no-till has yield loss from slugs annually
(~600,000 acres)

Limited cost-effective management options



Some producers are returning to tillage to control slugs



Slugs can damage virtually all crops

Canola



Corn



Soybean

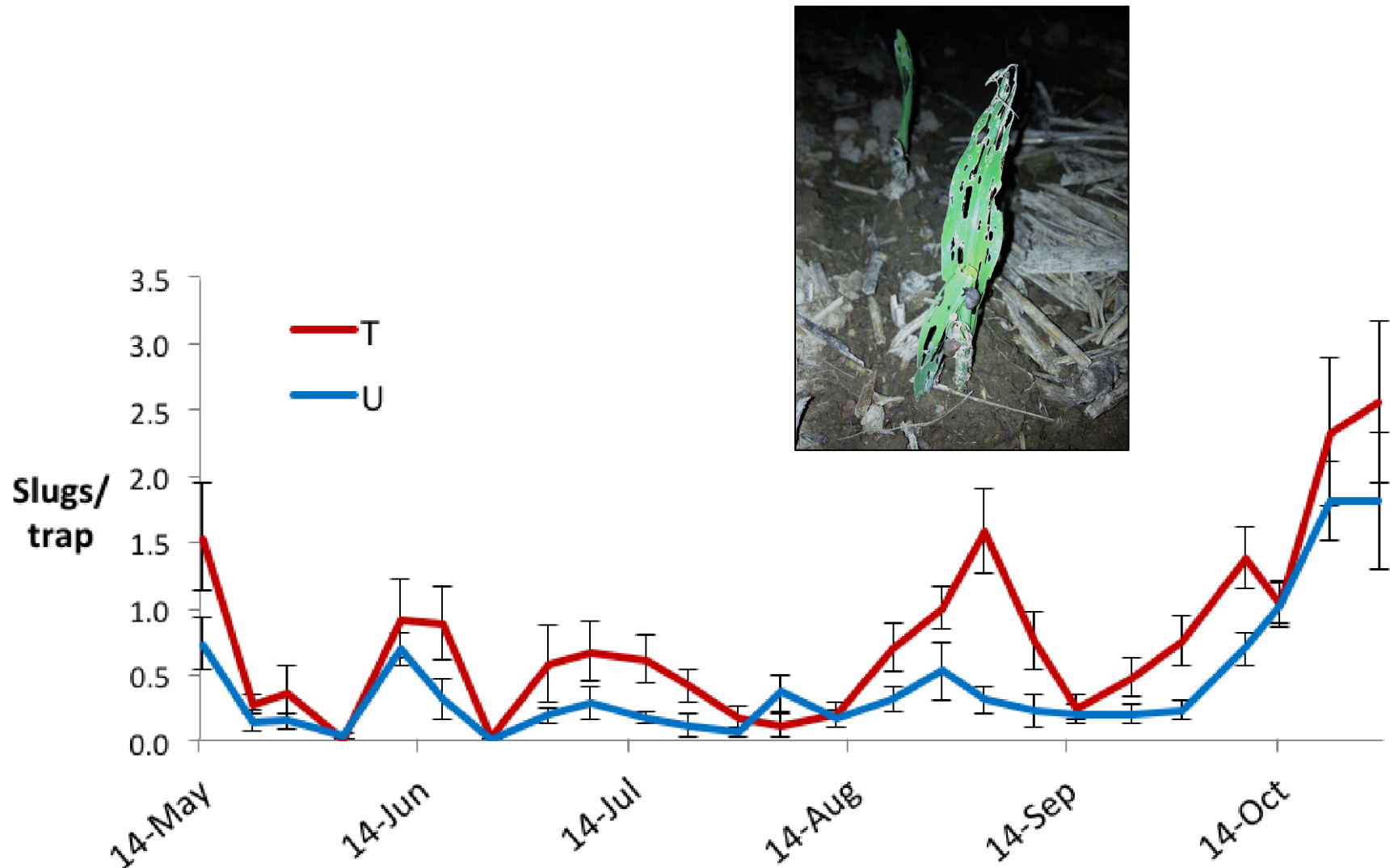


Alfalfa &
Sm. grains





Neonic seed treatments exacerbate slug problems





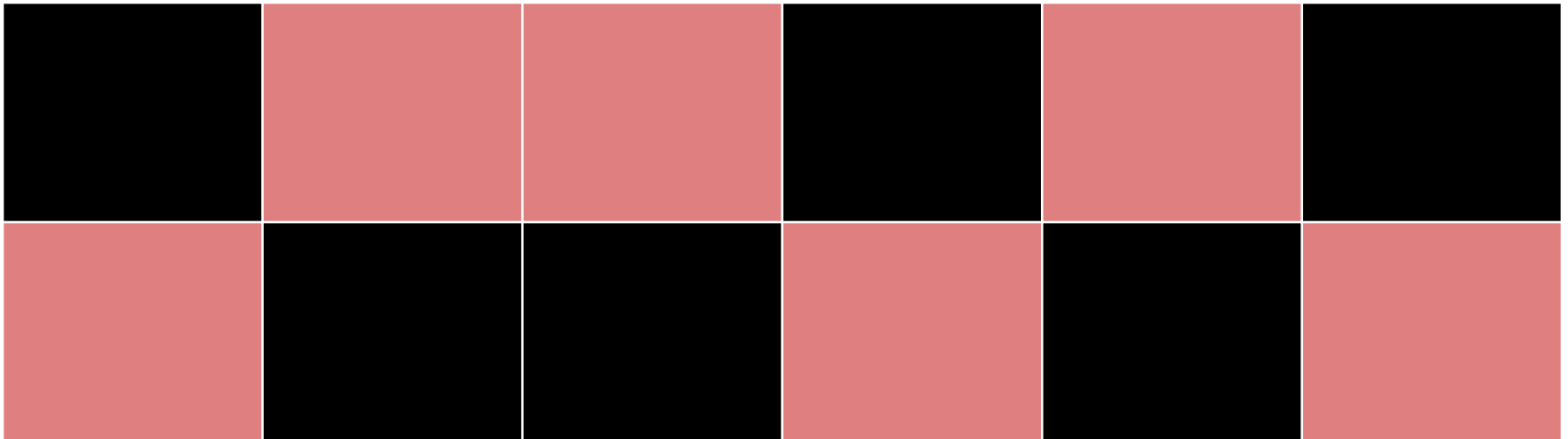
Do neonics exacerbate slug populations in the field?

Treated

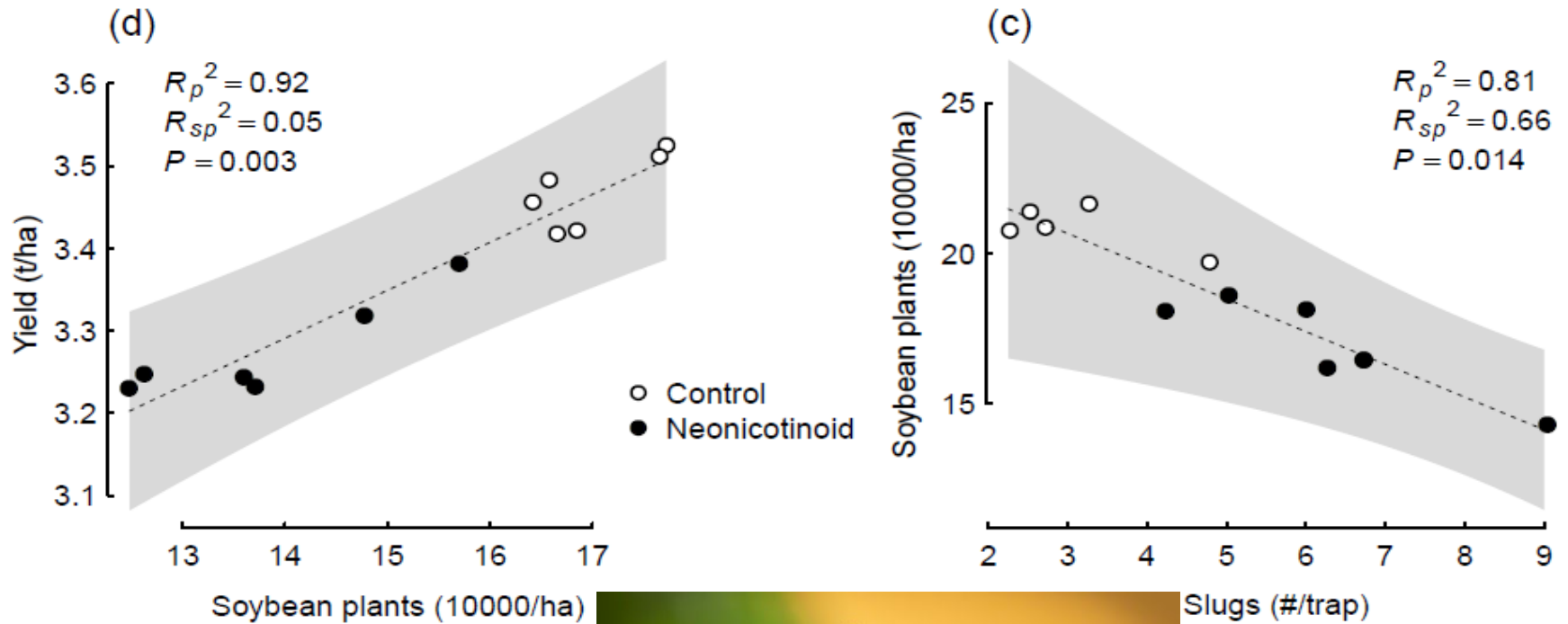
Thiamethoxam (0.152 mg/seed)
+ fungicides (CruiserMaxx)

- N = 6
- 0.25-acre plots
- No-till planted in 30" rows

Untreated

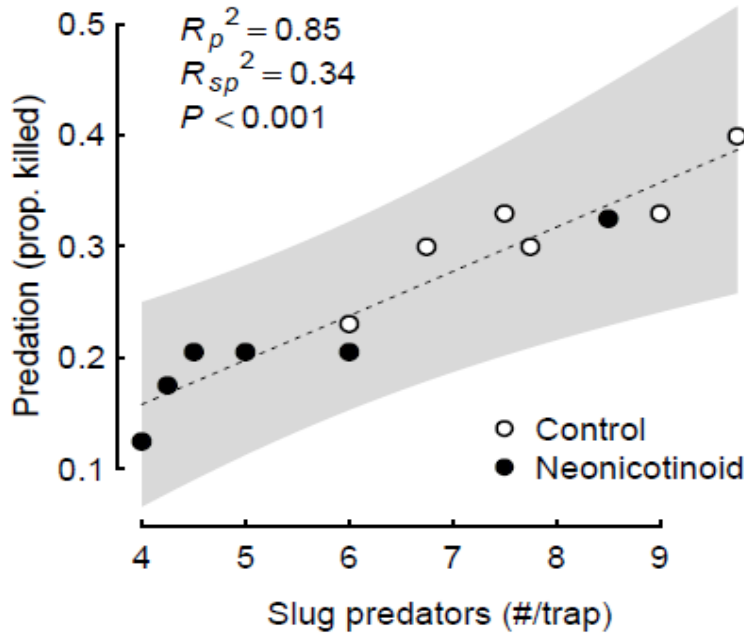


Slugs decrease soybean yield



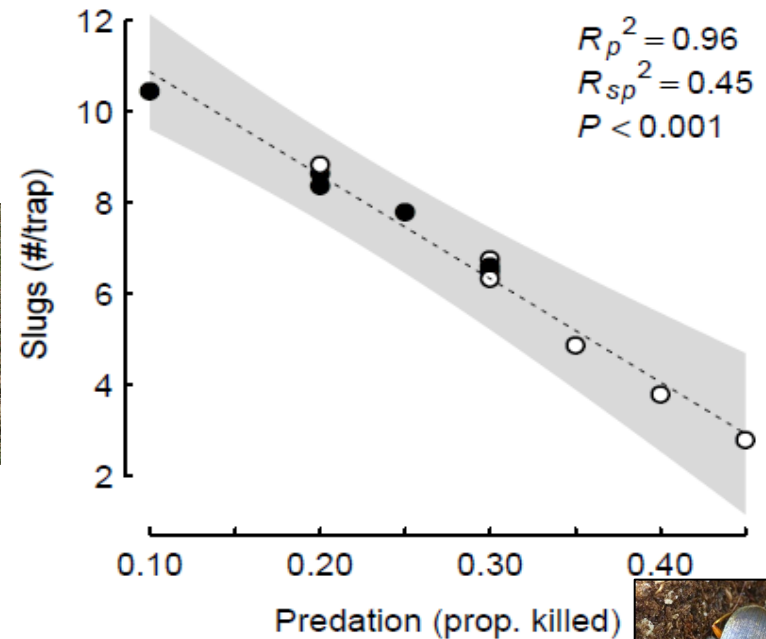
Predators control slug populations

(a)



Insecticides disrupt biological control

(b)





Neonic seed treatments generate toxic slugs

