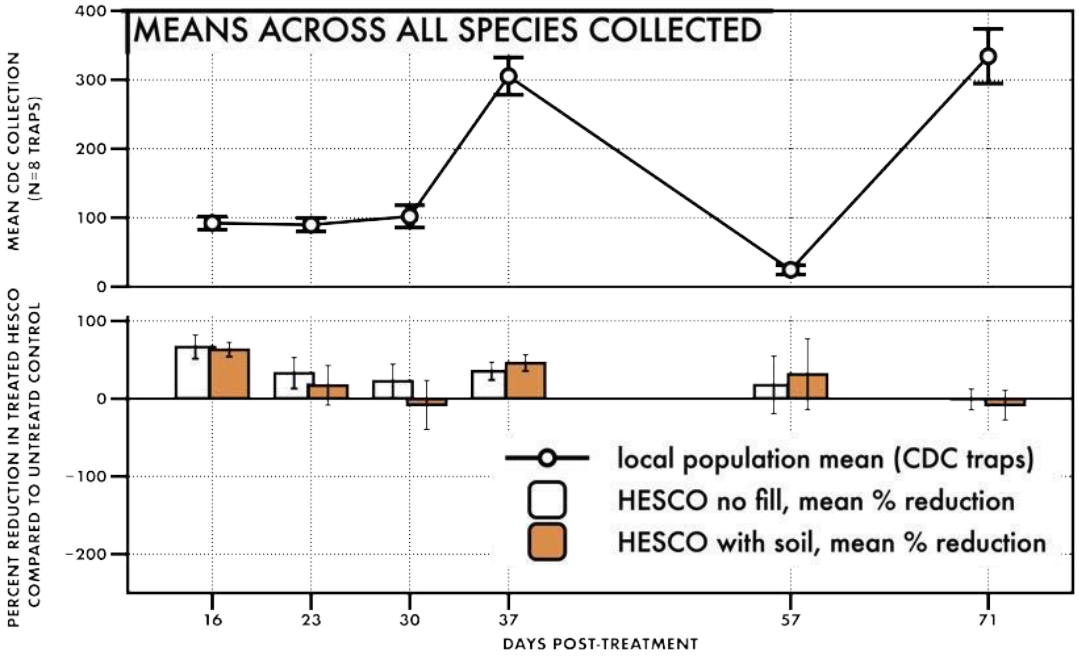
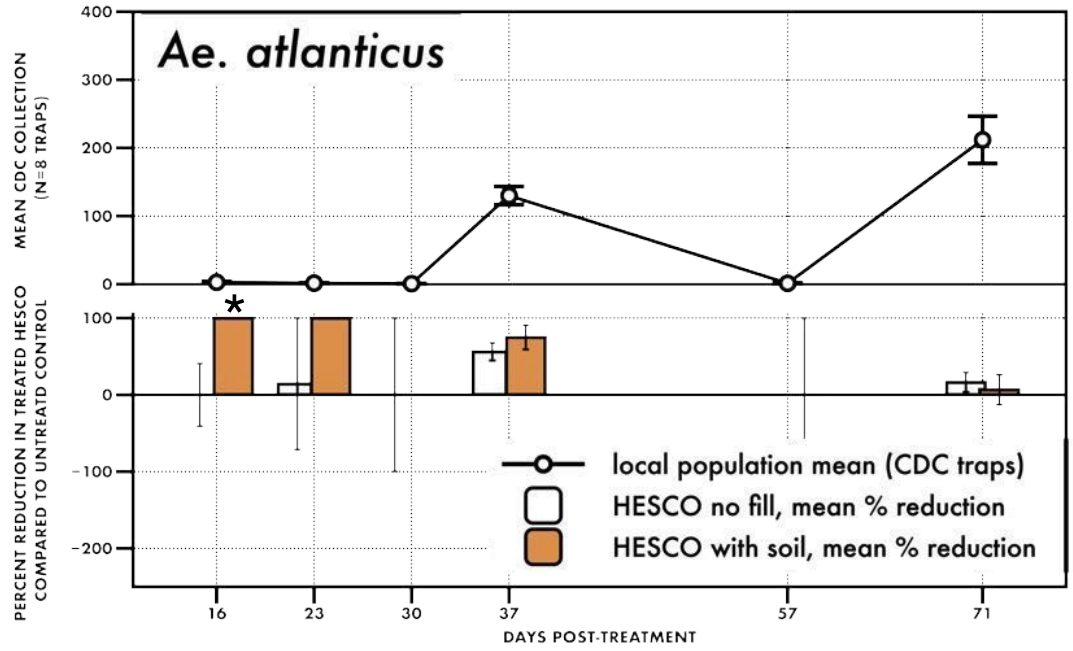
Figure S3.
Trial 1 CDC light trap collection data (A) for all species collected and (B)-(H) for focal species across the sample period. The upper section of each graph shows the local biting pressure indicated by collection means (with bars for standard errors of the mean, SEM) across the 8 outside CDC traps. The lower section shows the percent reduction in collections in treated HESCO perimeters compared to untreated ones, separated by whether soil was present. Bars below the zero line (negative values) signify that more mosquitoes were collected in treated perimeters – i.e., less control than untreated perimeters.

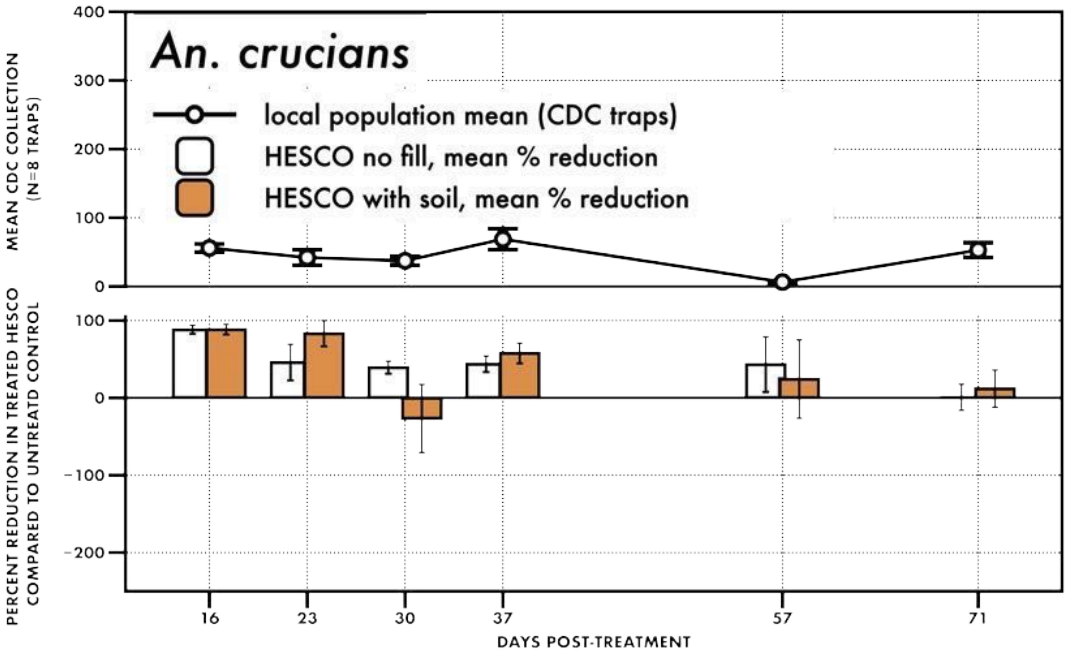
(A)


MEANS ACROSS ALL SPECIES COLLECTED
MEAN CDC COLLECTION (N=8 TRAPS)
400
300
200
100
0
PERCENT REDUCTION IN TREATED HESCO COMPARED TO UNTREATD CONTROL
100
0
-100
-200
local population mean (CDC traps)
HESCO no fill, mean % reduction
HESCO with soil, mean % reduction
16
23
30
37
57
71
DAYS POST-TREATMENT

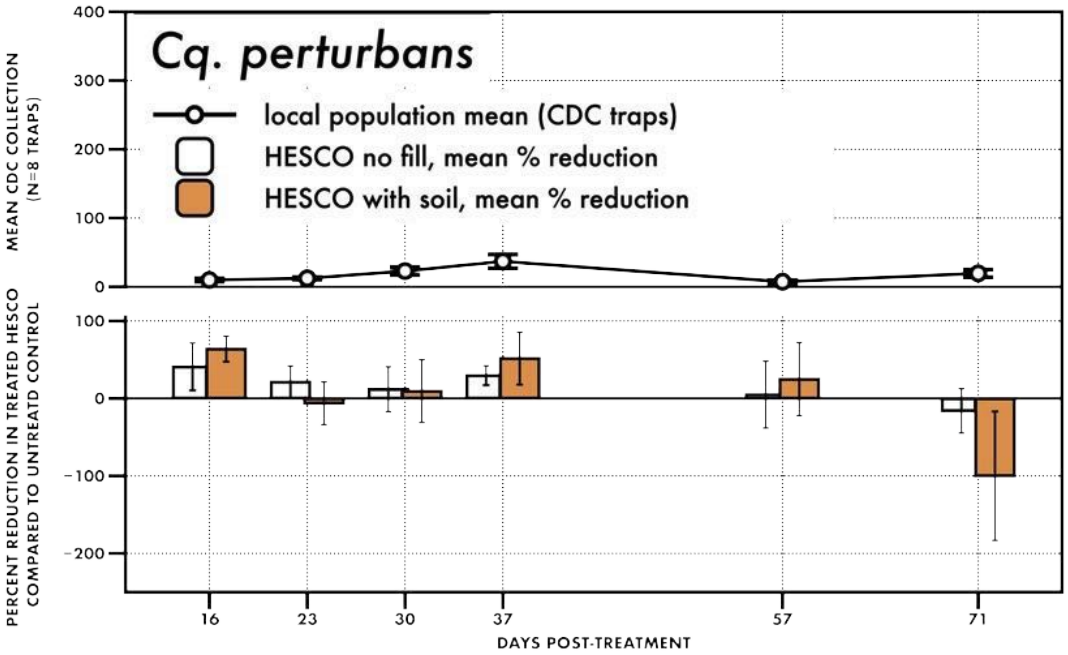
(B)


Ae. atlanticus
MEAN CDC COLLECTION (N=8 TRAPS)
400
300
200
100
0
PERCENT REDUCTION IN TREATED HESCO COMPARED TO UNTREATD CONTROL
*
100
0
-100
-200
local population mean (CDC traps)
HESCO no fill, mean % reduction
HESCO with soil, mean % reduction
16
23
30
37
57
71
DAYS POST-TREATMENT

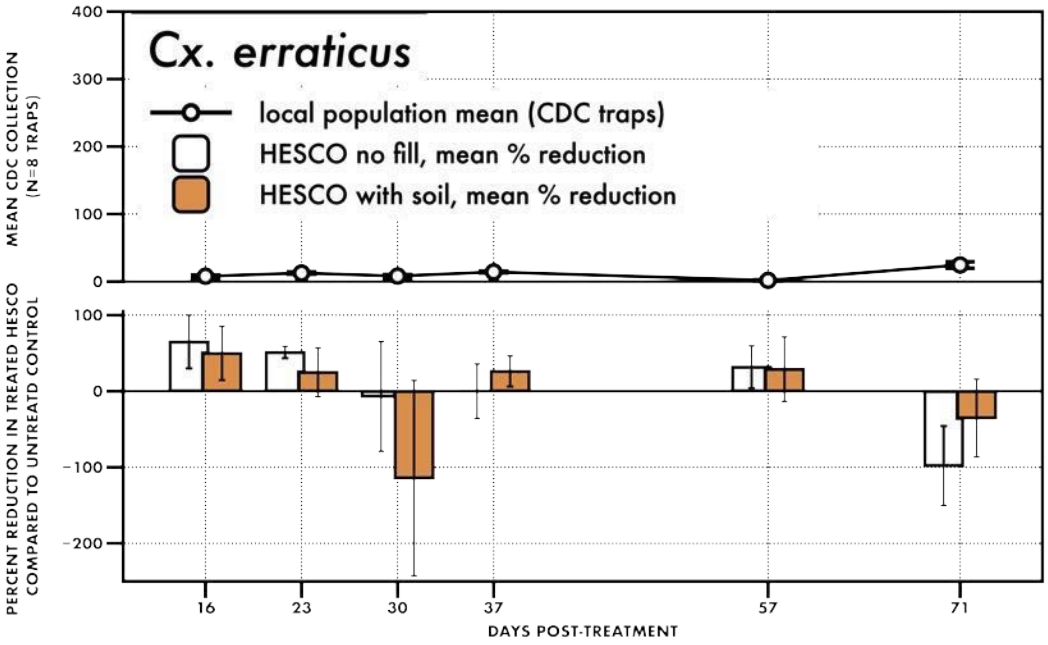
(C).


An. crucians
local population mean (CDC traps)
HESCO no fill, mean % reduction
HESCO with soil, mean % reduction
MEAN CDC COLLECTION (N=8 TRAPS)
PERCENT REDUCTION IN TREATED HESCO COMPARED TO UNTREATD CONTROL
400
300
200
100
0
100
0
-100
-200
16
23
30
37
57
71
DAYS POST-TREATMENT

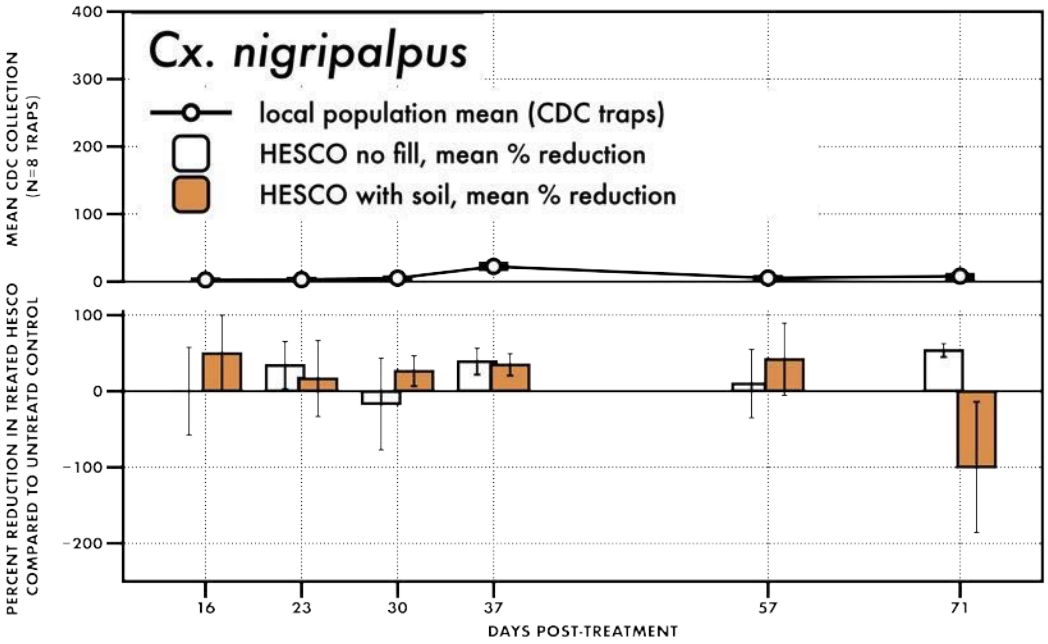
(D)


Cq. perturbans
local population mean (CDC traps)
HESCO no fill, mean % reduction
HESCO with soil, mean % reduction
MEAN CDC COLLECTION (N=8 TRAPS)
PERCENT REDUCTION IN TREATED HESCO COMPARED TO UNTREATD CONTROL
400
300
200
100
0
100
0
-100
-200
16
23
30
37
57
71
DAYS POST-TREATMENT

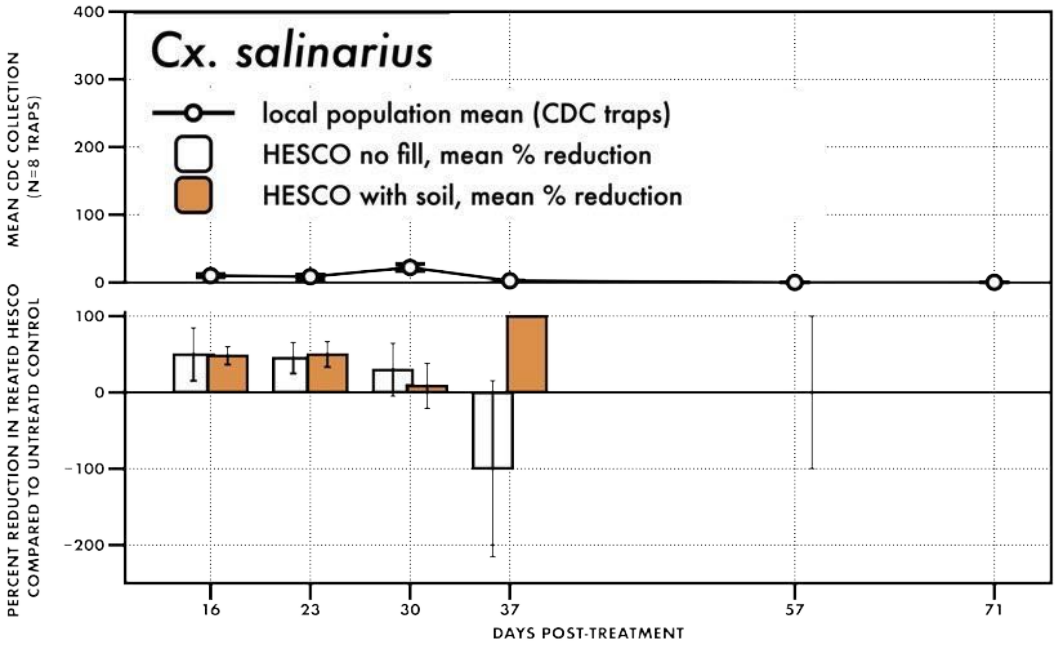
(E)


Cx. erraticus
local population mean (CDC traps)
HESCO no fill, mean % reduction
HESCO with soil, mean % reduction
MEAN CDC COLLECTION (N=8 TRAPS)
PERCENT REDUCTION IN TREATED HESCO COMPARED TO UNTREATD CONTROL
400
300
200
100
0
100
0
−100
−200
16
23
30
37
57
71
DAYS POST-TREATMENT

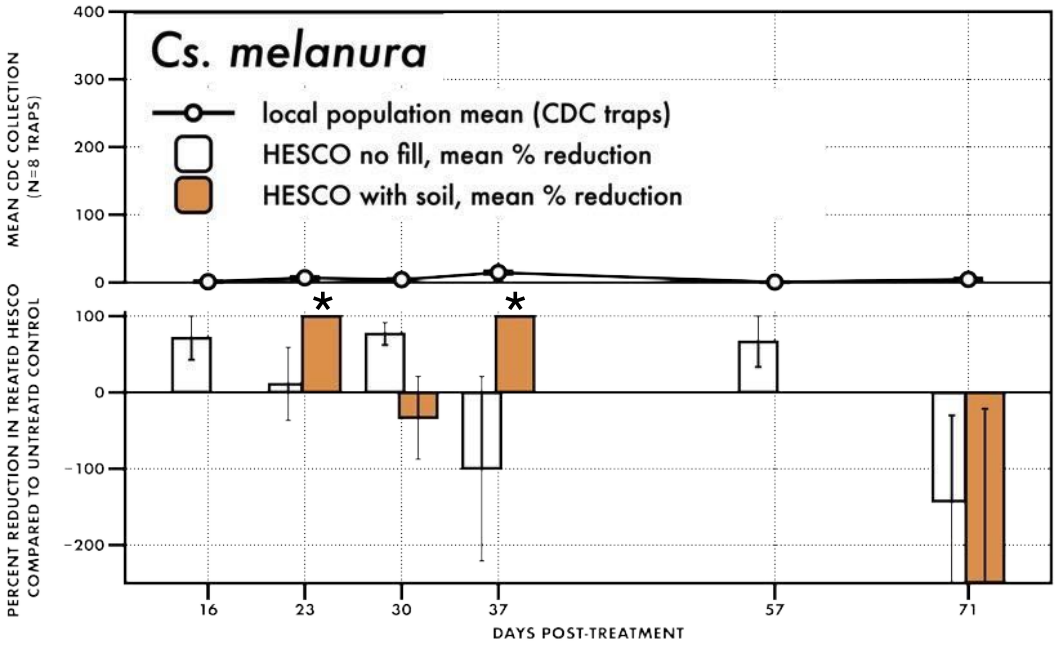
(F)


Cx. nigripalpus
local population mean (CDC traps)
HESCO no fill, mean % reduction
HESCO with soil, mean % reduction
MEAN CDC COLLECTION (N=8 TRAPS)
PERCENT REDUCTION IN TREATED HESCO COMPARED TO UNTREATD CONTROL
400
300
200
100
0
100
0
−100
−200
16
23
30
37
57
71
DAYS POST-TREATMENT

(G)


Cx. salinarius
local population mean (CDC traps)
HESCO no fill, mean % reduction
HESCO with soil, mean % reduction
MEAN CDC COLLECTION (N=8 TRAPS)
PERCENT REDUCTION IN TREATED HESCO COMPARED TO UNTREATD CONTROL
400
300
200
100
0
100
0
−100
−200
16
23
30
37
57
71
DAYS POST-TREATMENT

(H)


Cs. melanura
local population mean (CDC traps)
HESCO no fill, mean % reduction
HESCO with soil, mean % reduction
MEAN CDC COLLECTION (N=8 TRAPS)
PERCENT REDUCTION IN TREATED HESCO COMPARED TO UNTREATD CONTROL
400
300
200
100
0
100
0
−100
−200
*
*
16
23
30
37
57
71
DAYS POST-TREATMENT