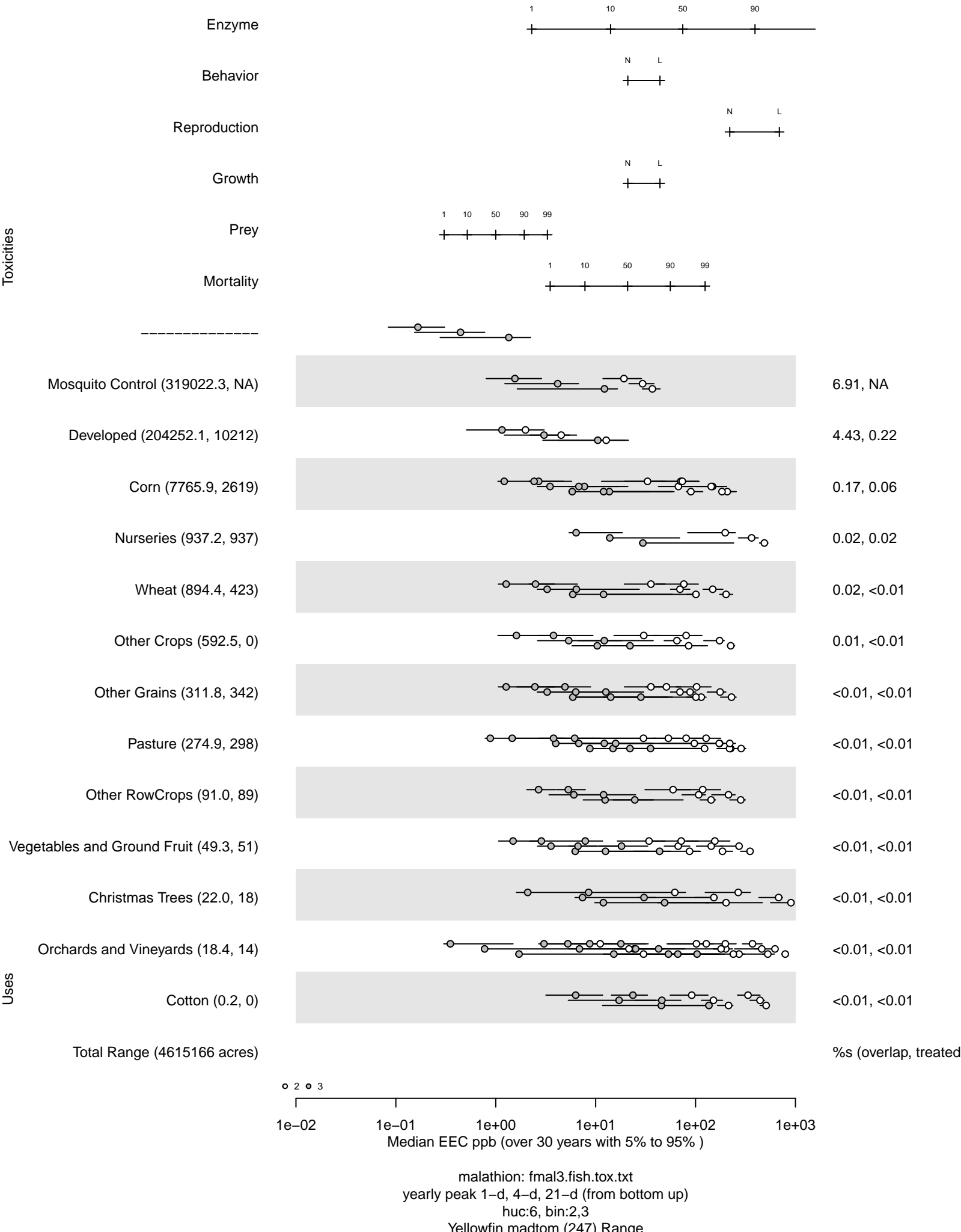


Appendix M: R-Plots

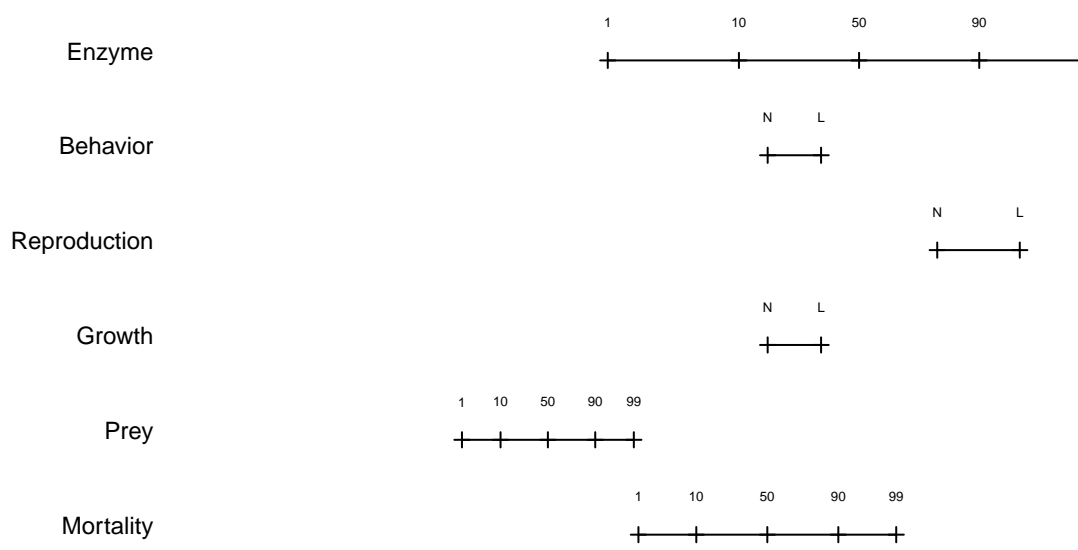
Fishes

Toxicities

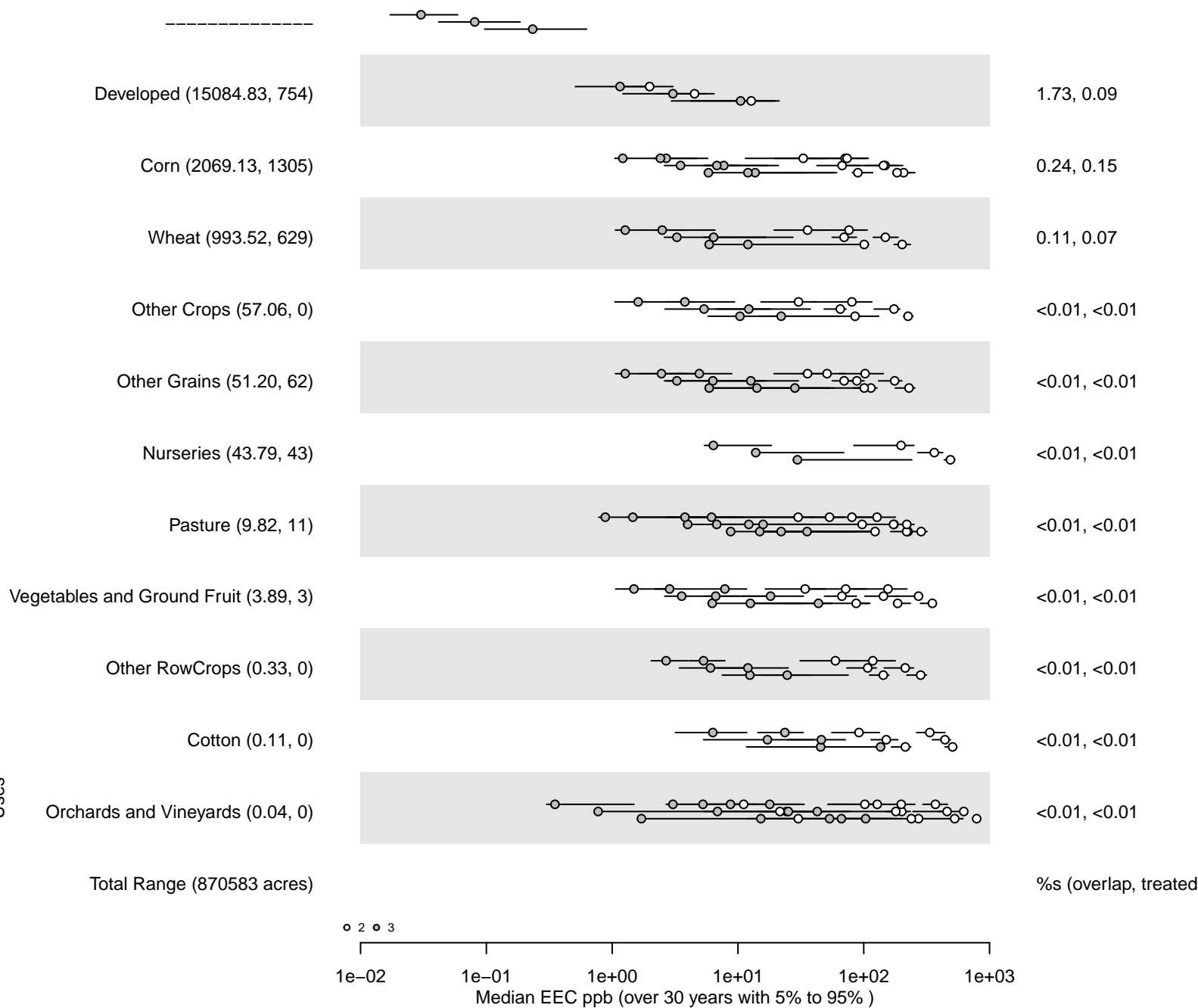
Uses



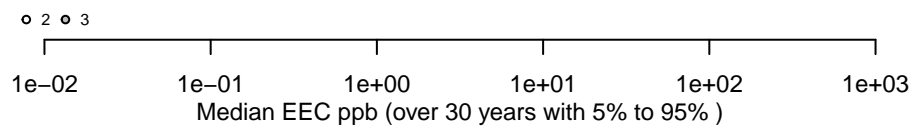
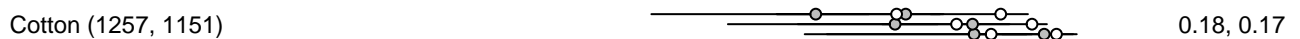
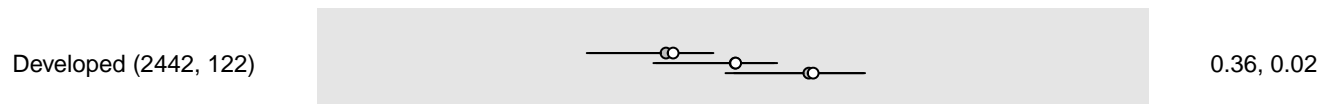
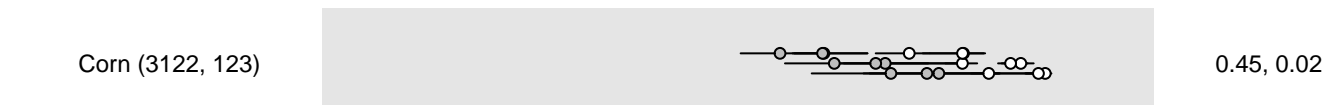
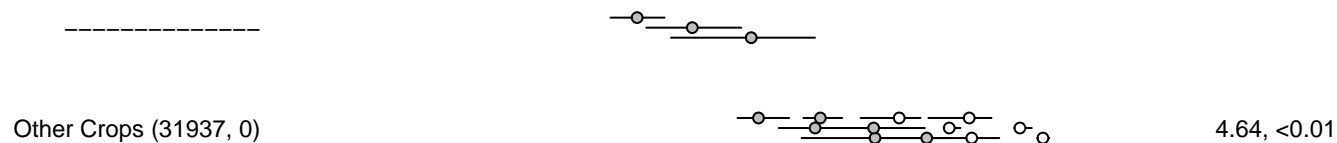
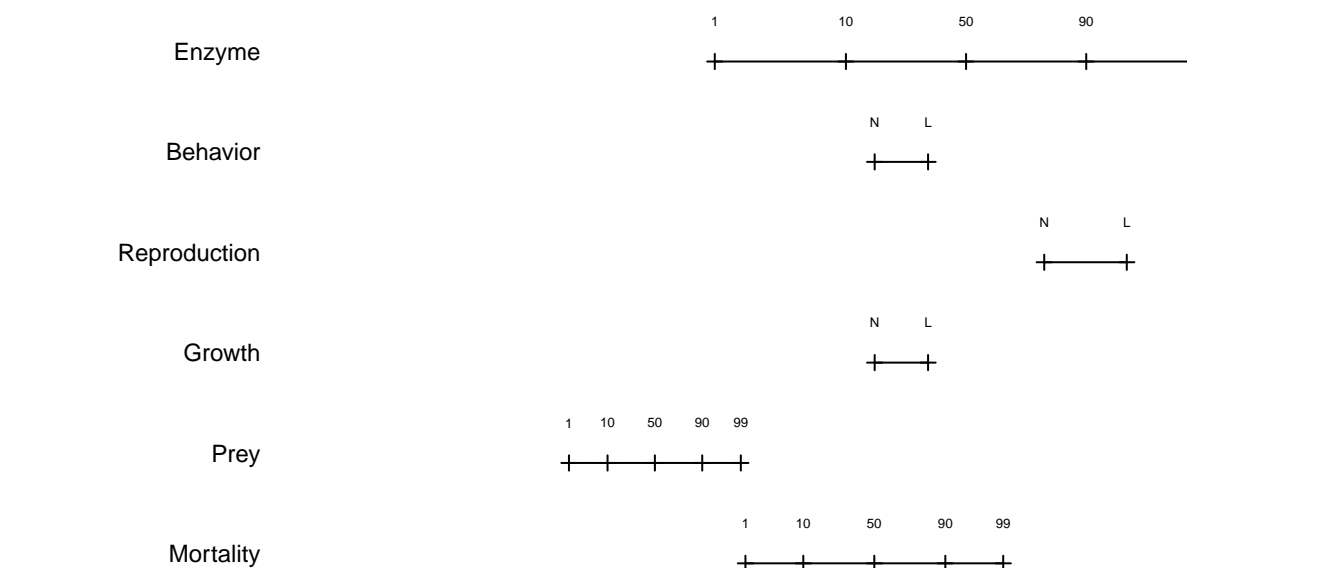
Toxicities



Uses



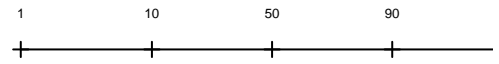
malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:6, bin:2,3
Smoky madtom (258) Range



malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:15a,15b, bin:2,3
Yaqui catfish (259) Range

Toxicities

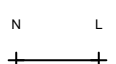
Enzyme



Behavior



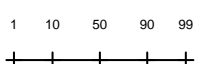
Reproduction



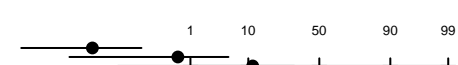
Growth



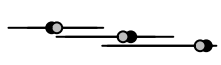
Prey



Mortality

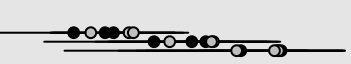


Mosquito Control (739293, 36299)



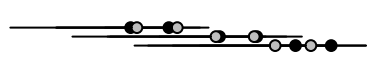
9.53, 0.47

Corn (503283, 15055)



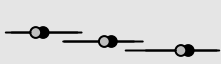
6.49, 0.19

Wheat (228358, 202494)



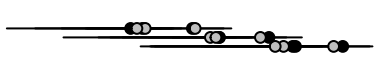
2.94, 2.61

Developed (118488, 5924)



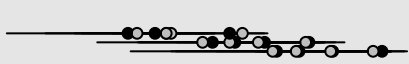
1.53, 0.08

Other Grains (43007, 48140)



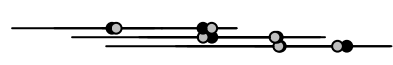
0.55, 0.62

Pasture (31249, 13736)



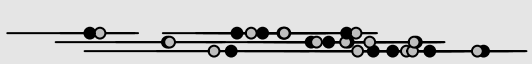
0.4, 0.18

Other Crops (11489, 0)



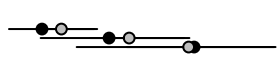
0.15, <0.01

Orchards and Vineyards (1083, 204)



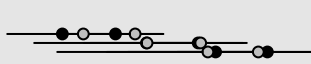
0.01, <0.01

Nurseries (367, 366)



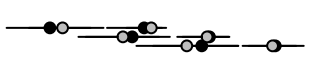
<0.01, <0.01

Other RowCrops (137, 146)



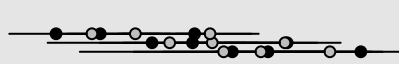
<0.01, <0.01

Cotton (48, 33)



<0.01, <0.01

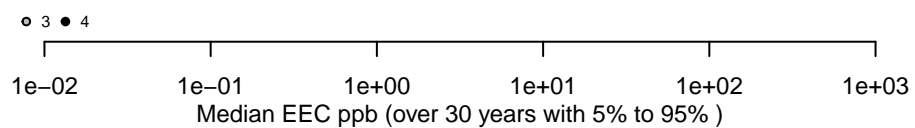
Vegetables and Ground Fruit (19, 19)



<0.01, <0.01

Total Range (7756137 acres)

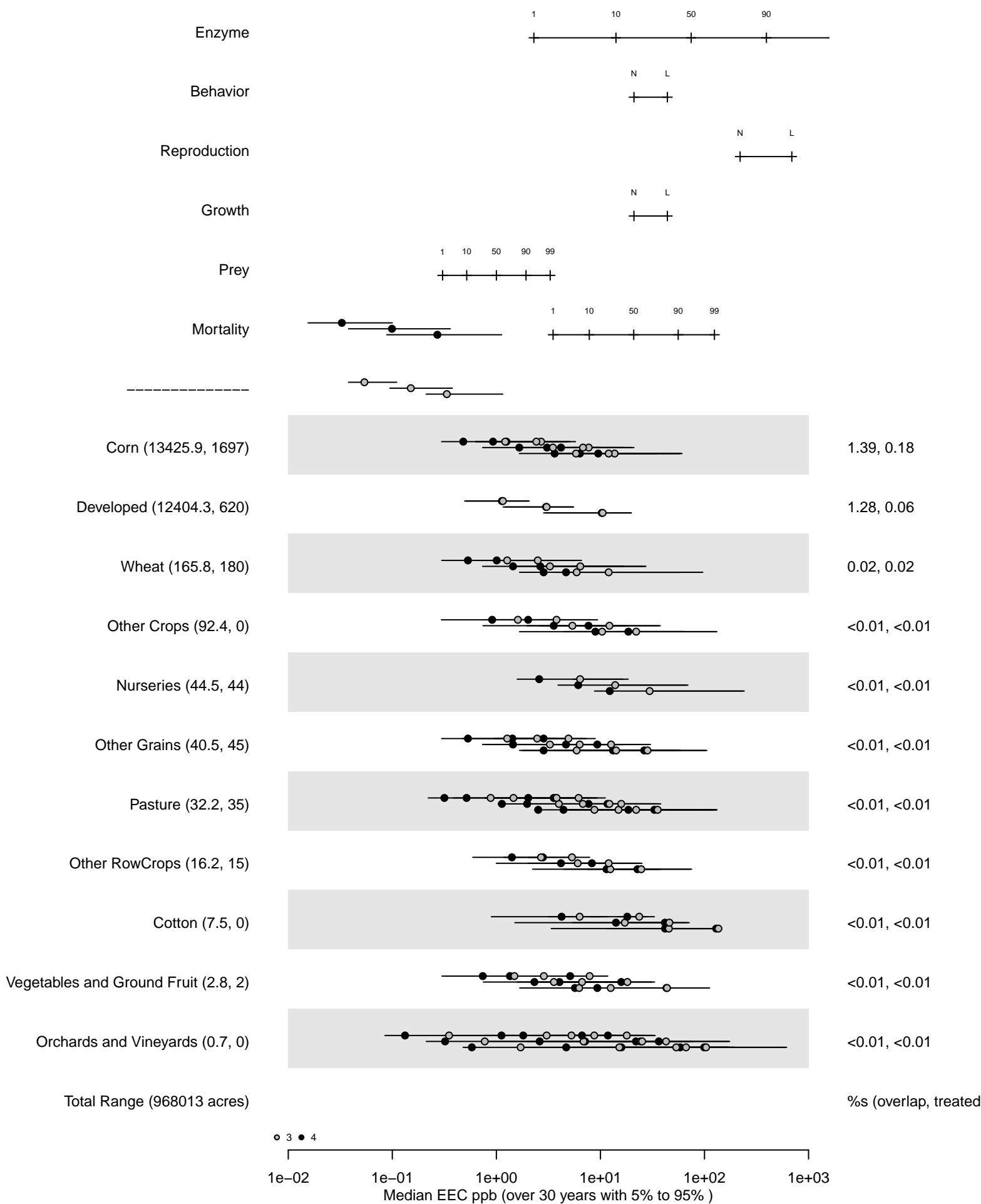
%s (overlap, treated)



malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:10a,11a, bin:3,4
Neosho madtom (270) Range

Toxicities

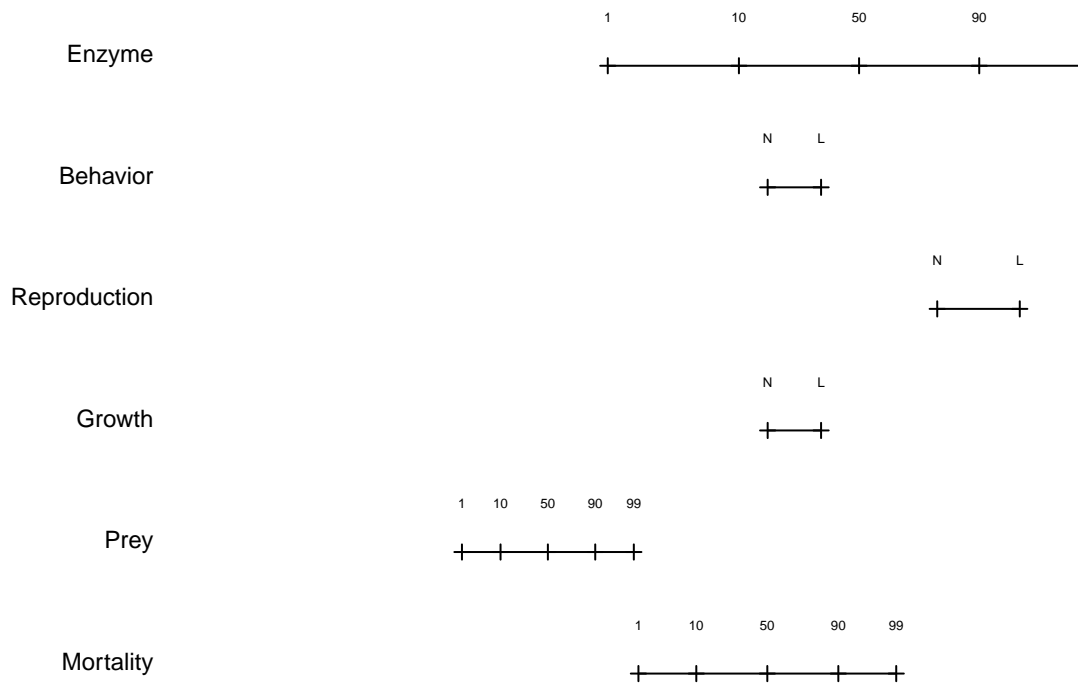
Uses



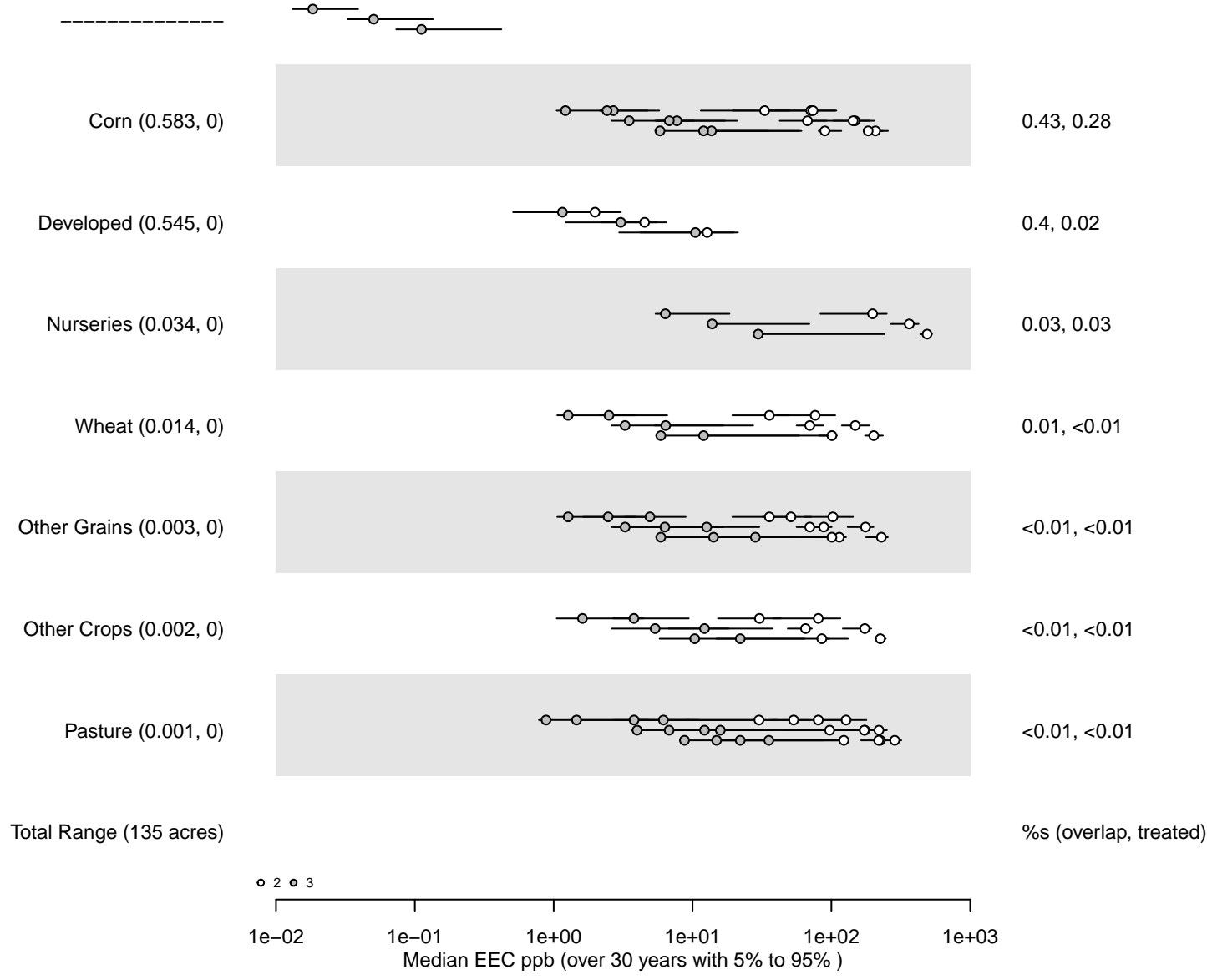
● 3 ● 4
1e-02 1e-01 1e+00 1e+01 1e+02 1e+03
Median EEC ppb (over 30 years with 5% to 95%)

malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:6, bin:3,4
Pygmy madtom (271) Range

Toxicities



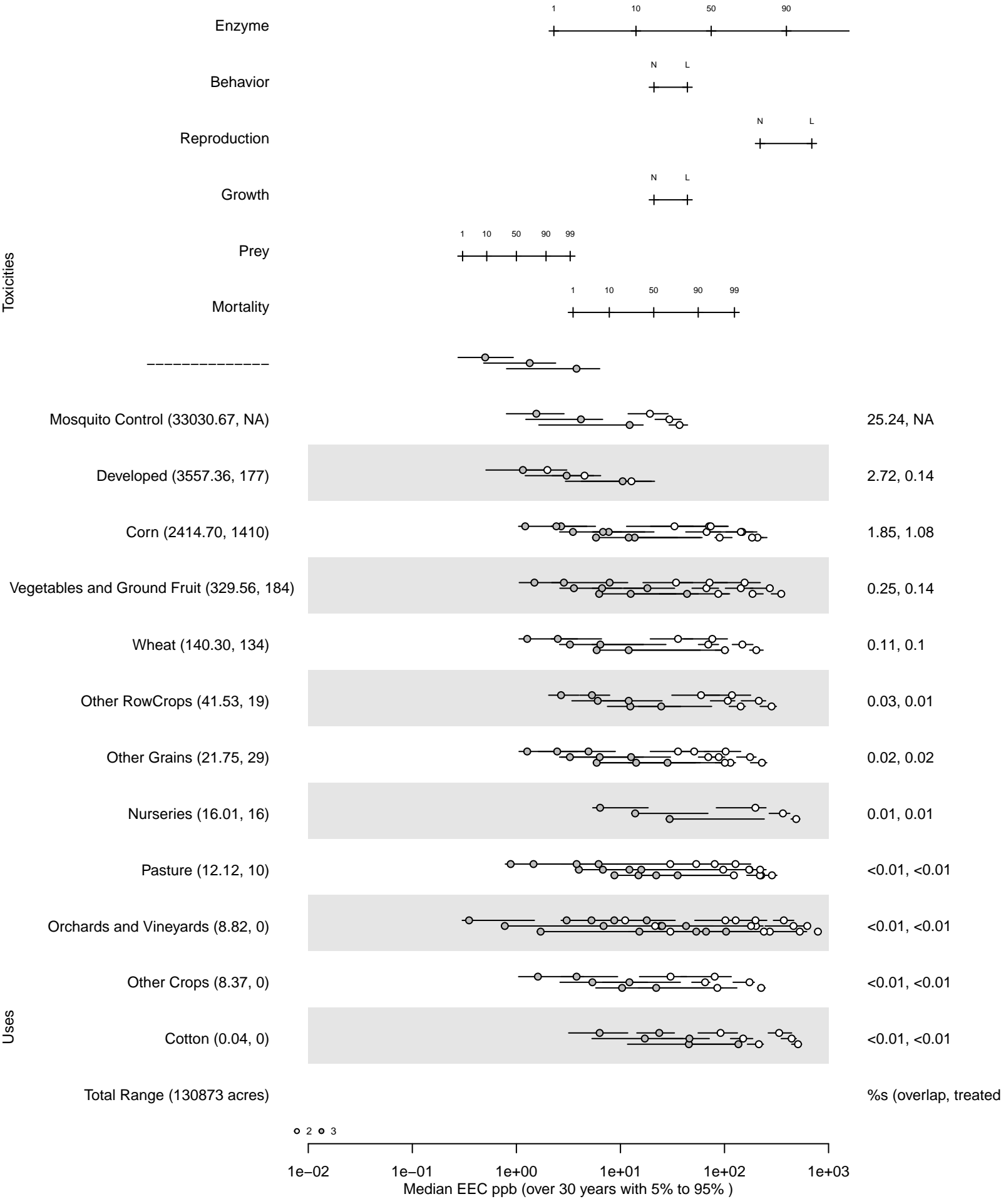
Uses



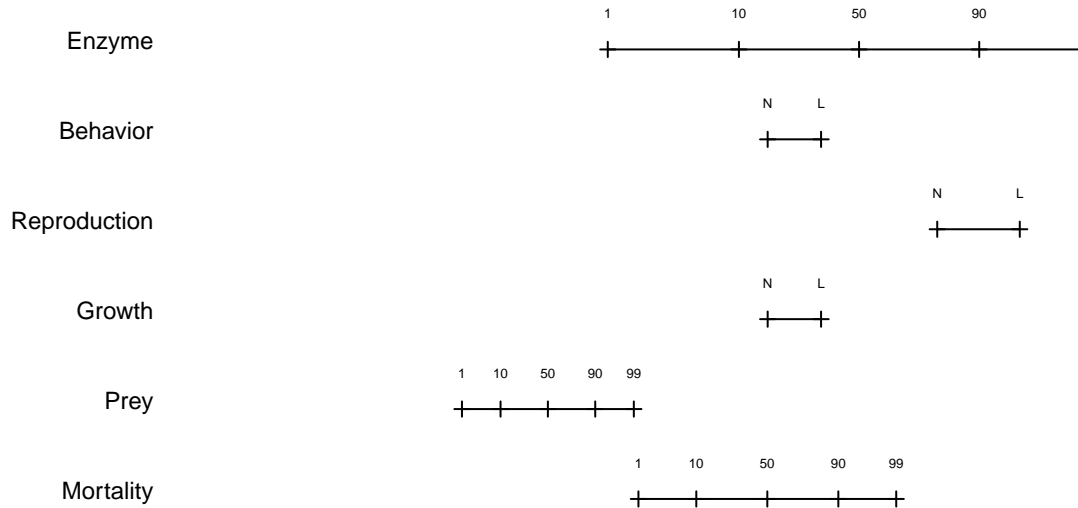
malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:6, bin:2,3
Smoky madtom (5981) Range

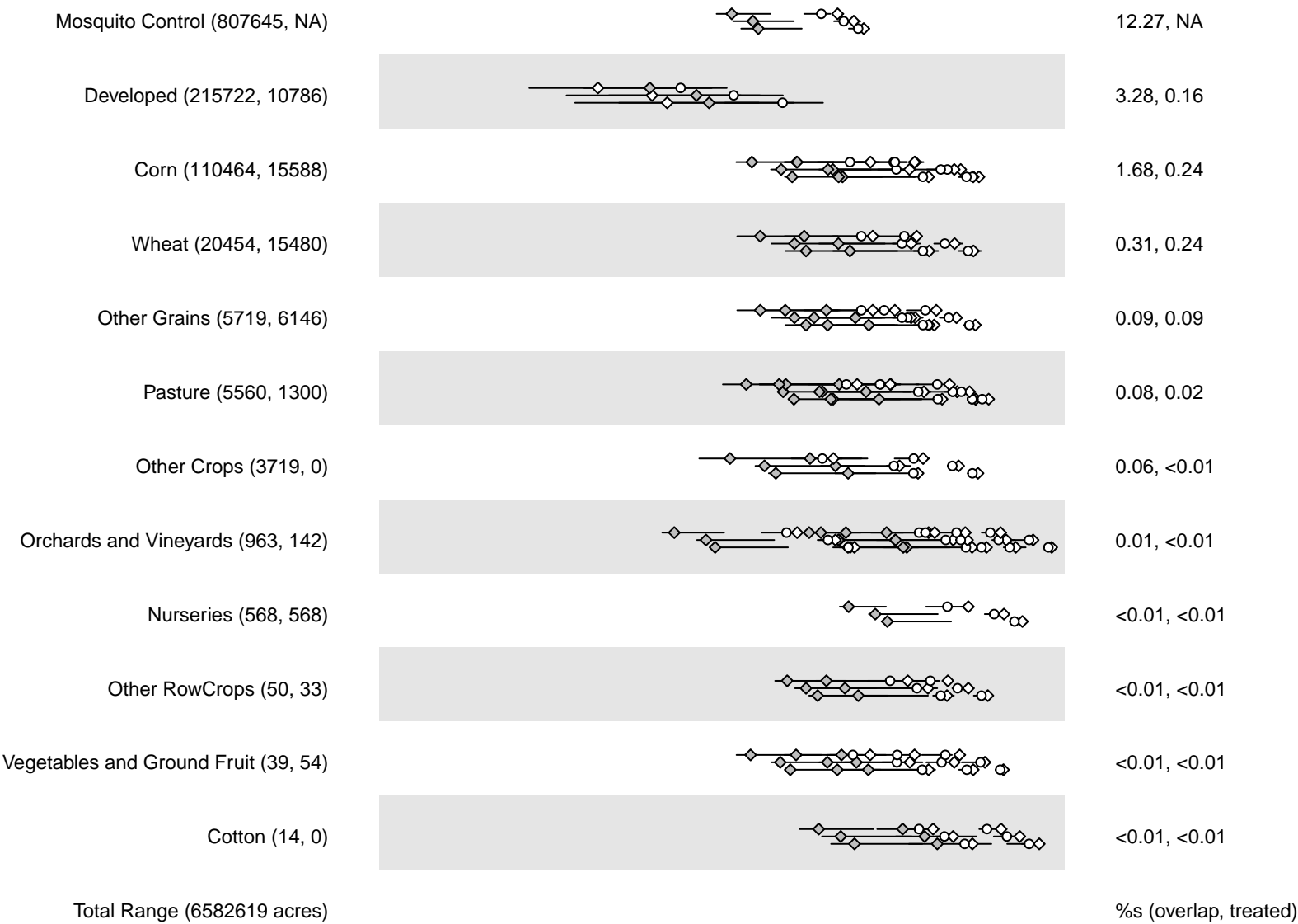
Toxicities

Uses

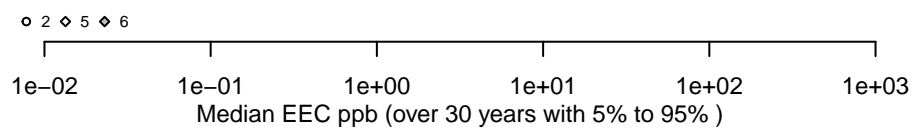


Toxicities



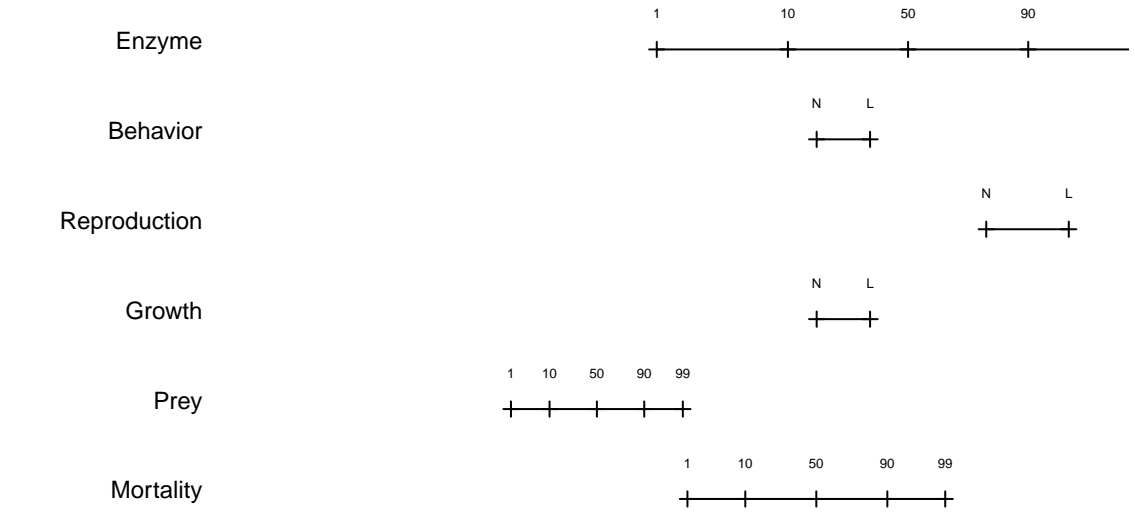


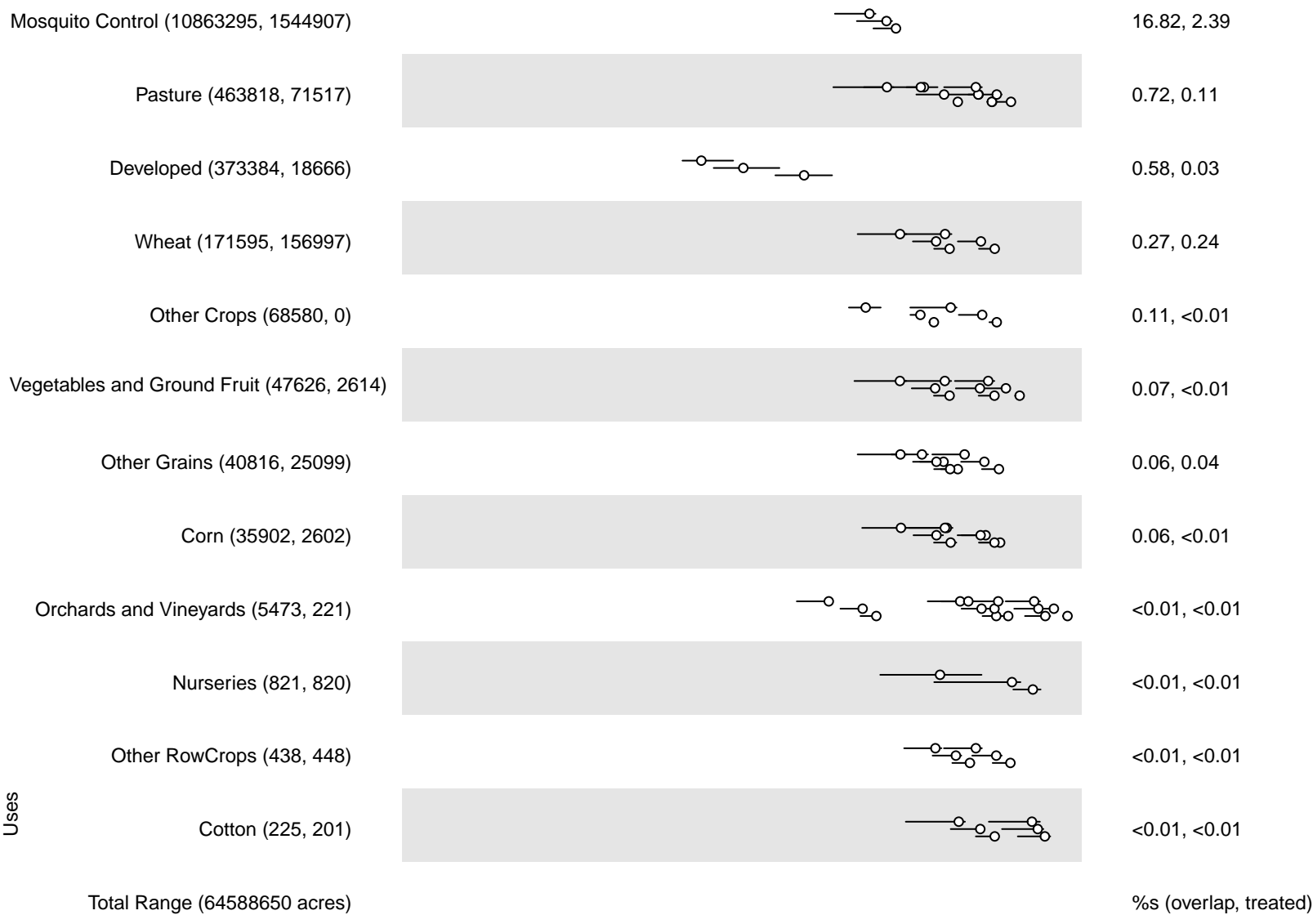
Uses



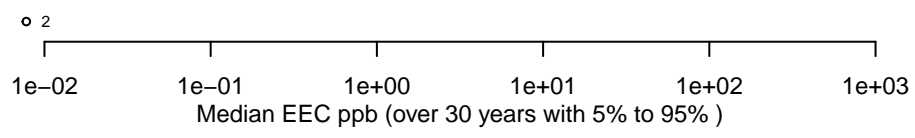
malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:10a,11a, bin:2,5,6
Ozark cavefish (260) Range

Toxicities



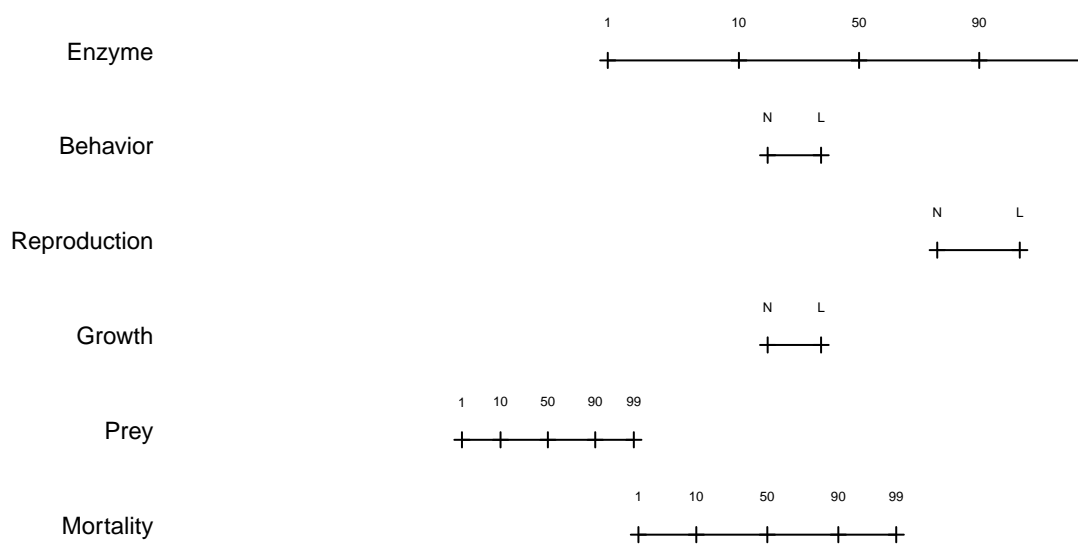


Uses

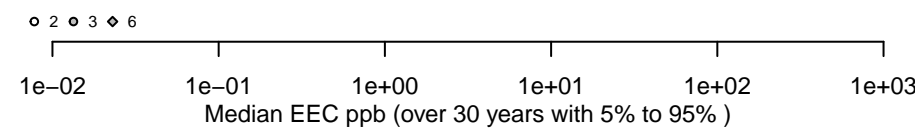
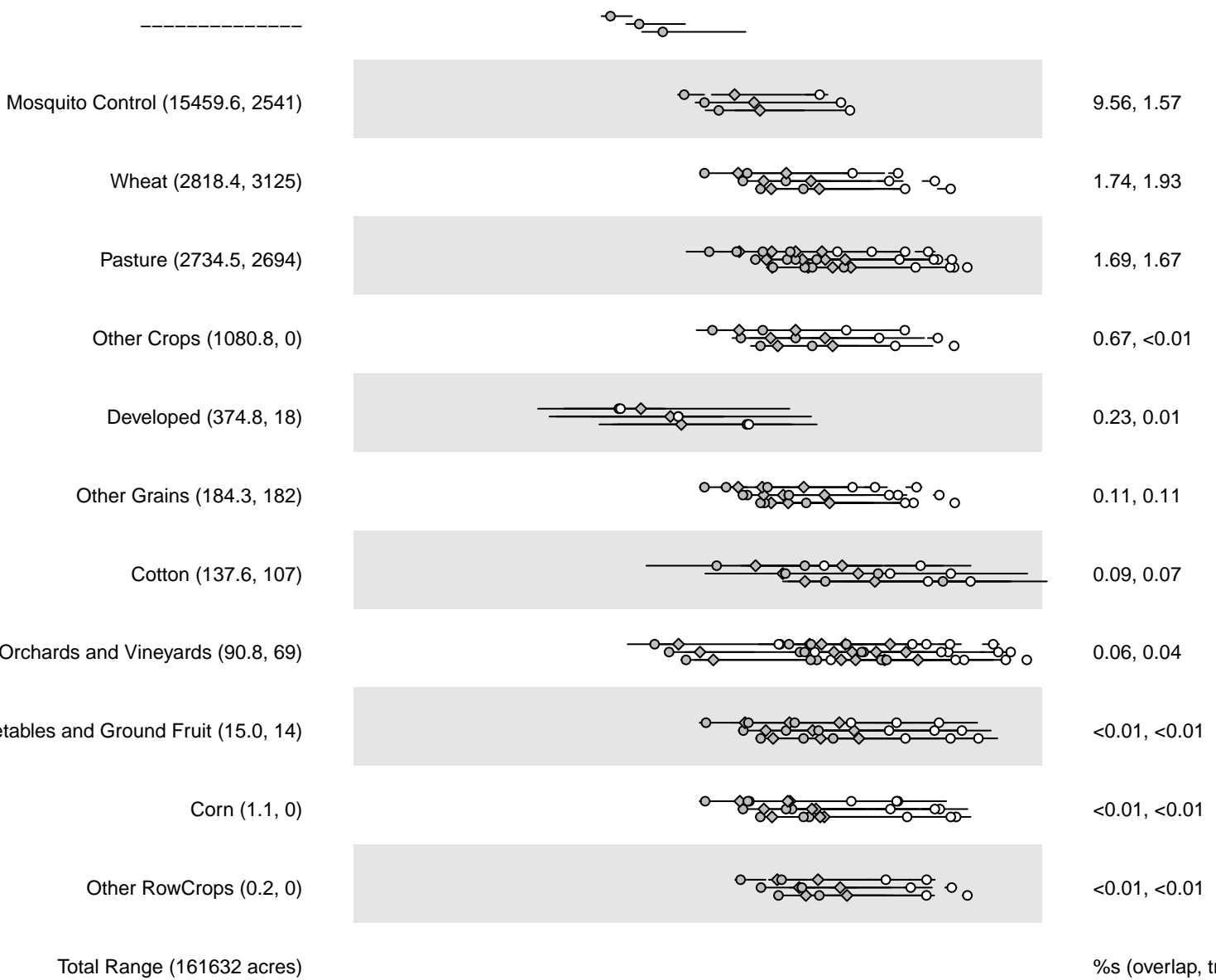


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:10a,10b,11a,11b,13,14,15a,15b,16a, bin:2
Humpback chub (209) Range

Toxicities



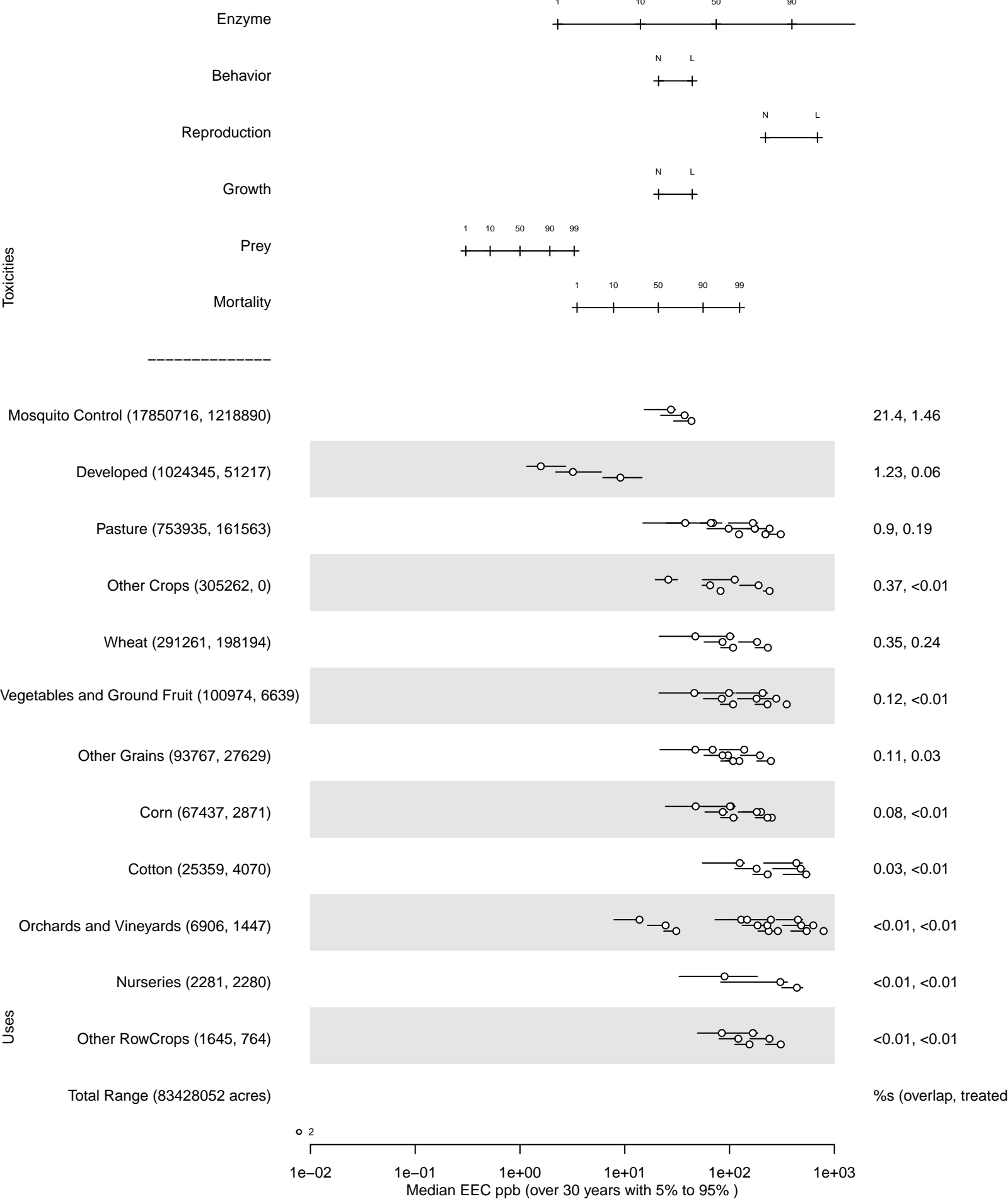
Uses



malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:15b, bin:2,3,6
Moapa dace (211) Range

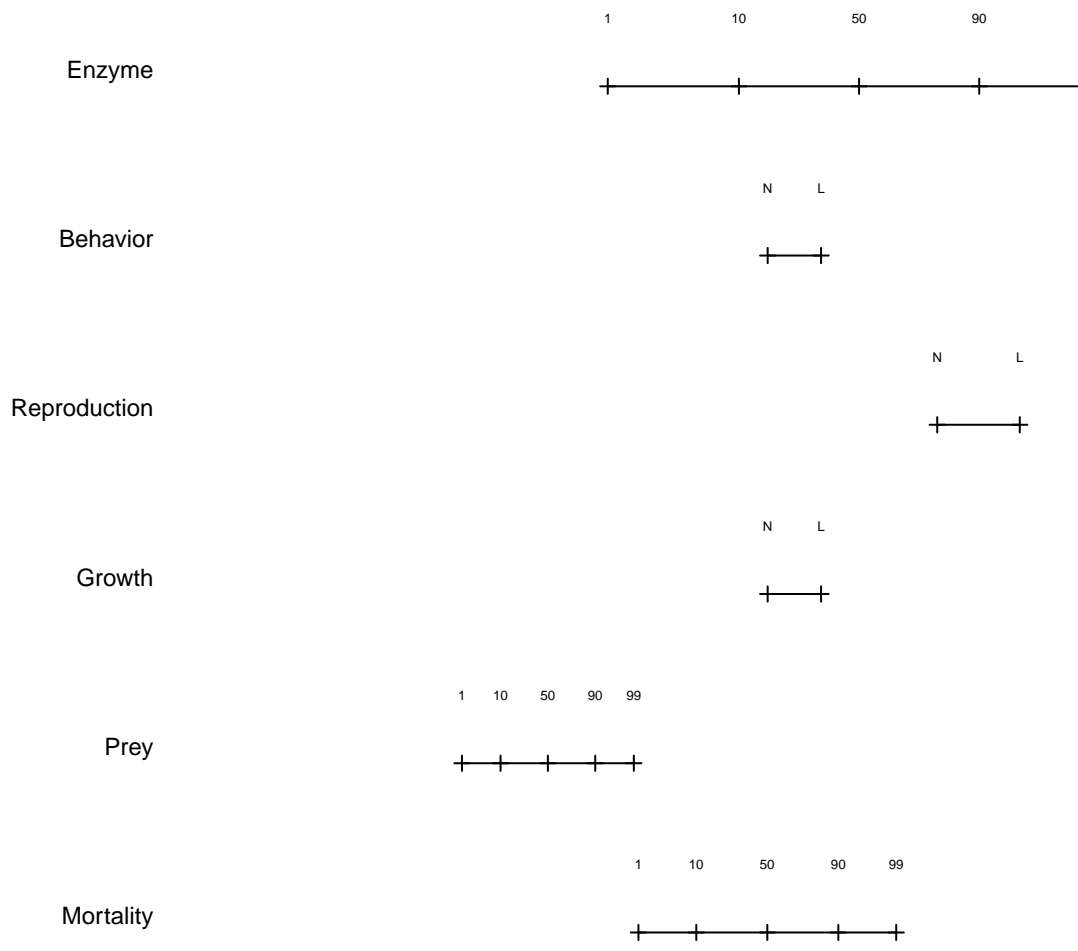
Toxicities

Uses

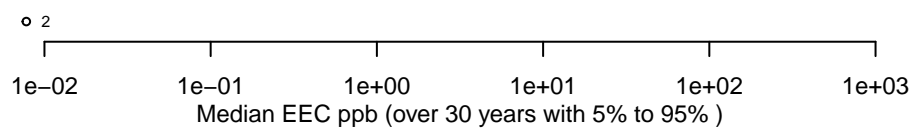
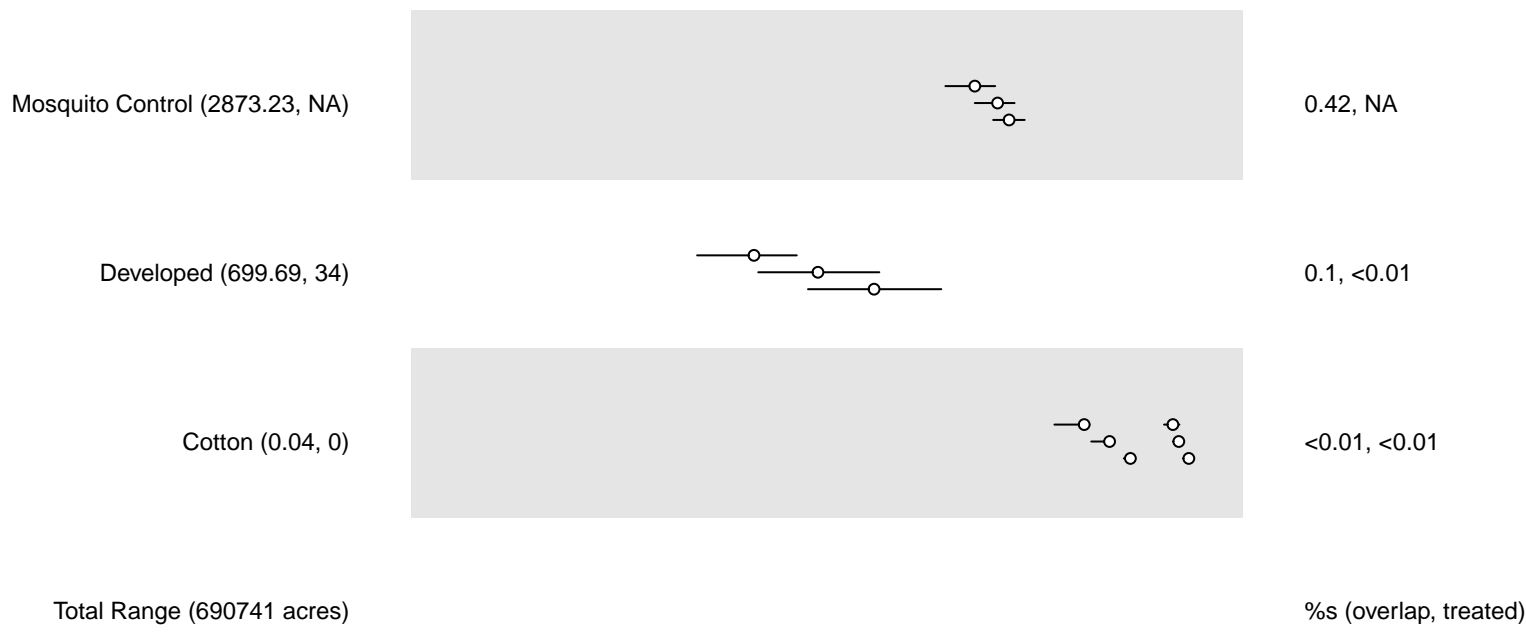


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:10a,11b,13,14,15a,15b,16a, bin:2
Colorado pikeminnow (=squawfish) (215) Range

Toxicities

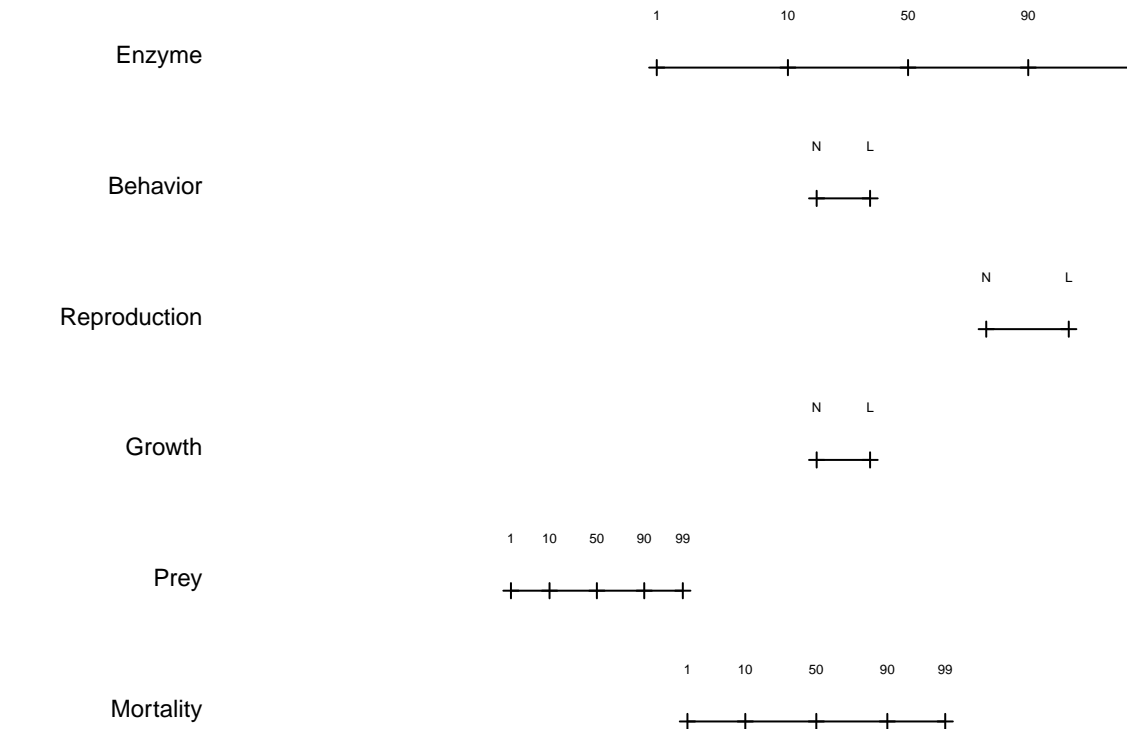


Uses



malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:16b,18b, bin:2
Mohave tui chub (225) Range

Toxicities



Uses

Mosquito Control (21385, NA)

Pasture (654, 645)

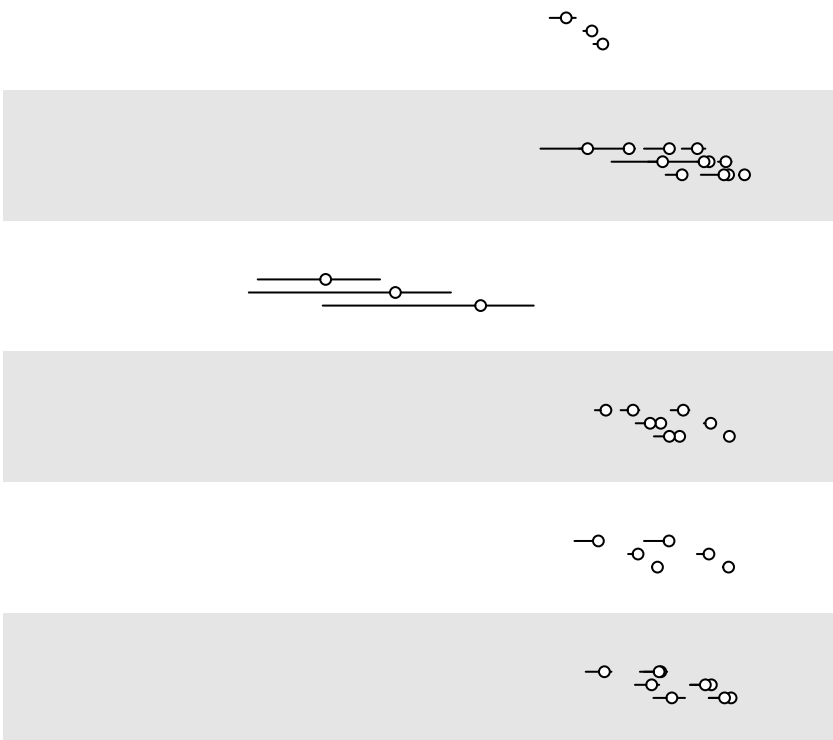
Developed (249, 12)

Other Grains (43, 37)

Other Crops (7, 0)

Corn (4, 10)

Total Range (3093152 acres)



0.69, NA

0.02, 0.02

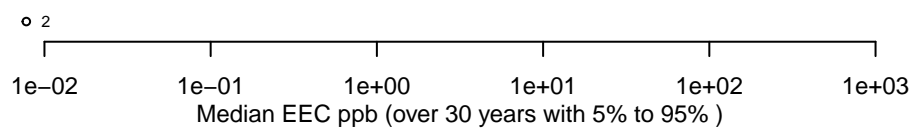
<0.01, <0.01

<0.01, <0.01

<0.01, <0.01

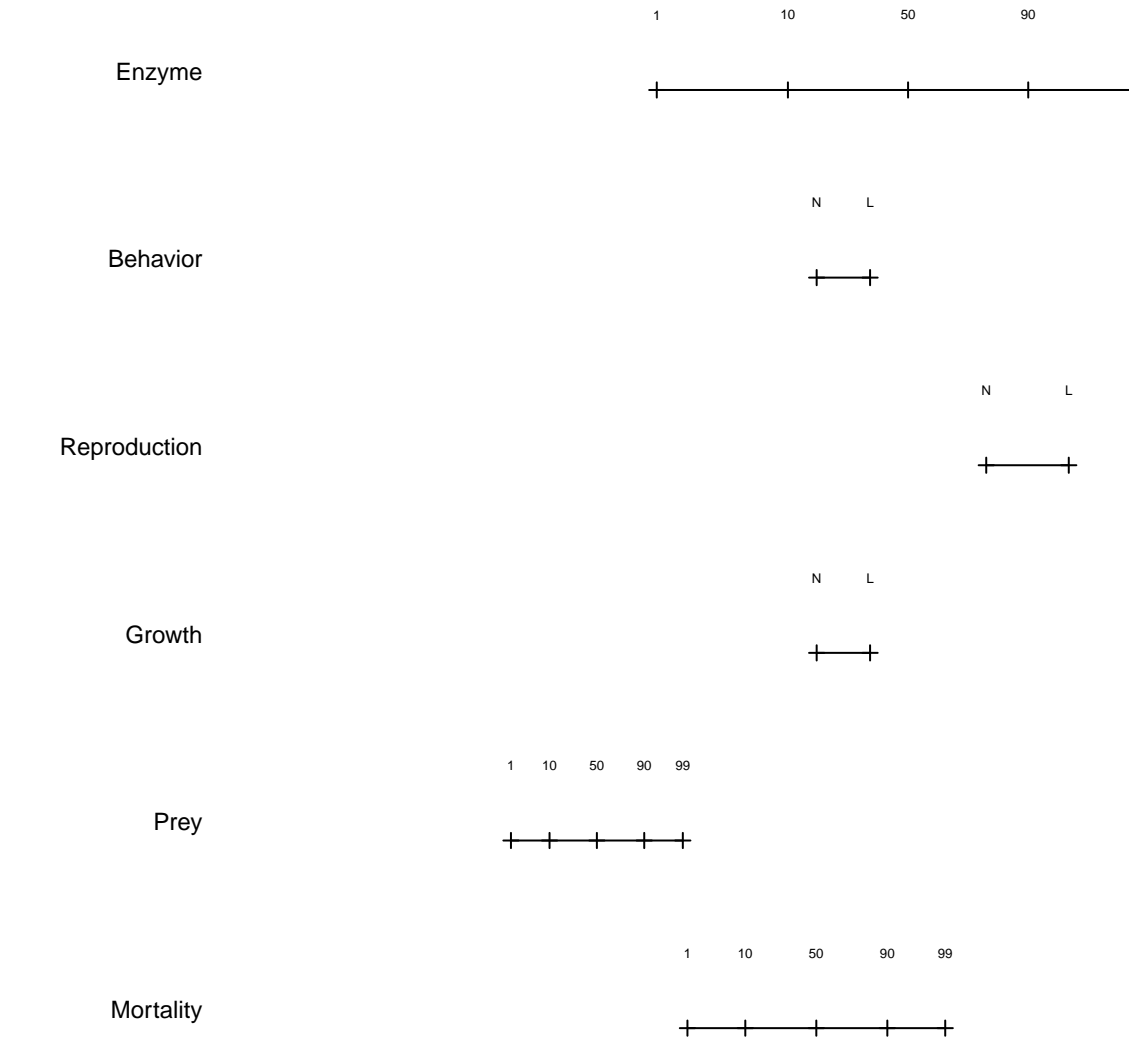
<0.01, <0.01

%s (overlap, treated)



malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:15b, bin:2
Pahrnagat roundtail chub (226) Range

Toxicities

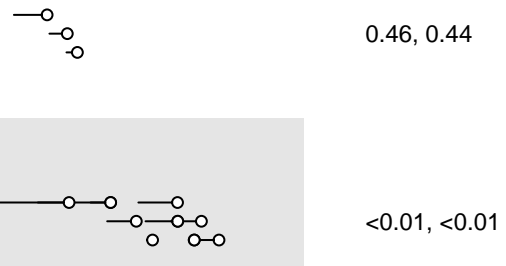


Uses

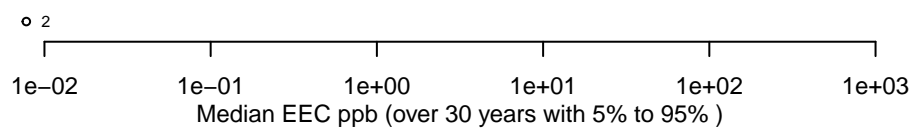
Mosquito Control (612.44, 585)

Pasture (0.07, 0)

Total Range (134242 acres)

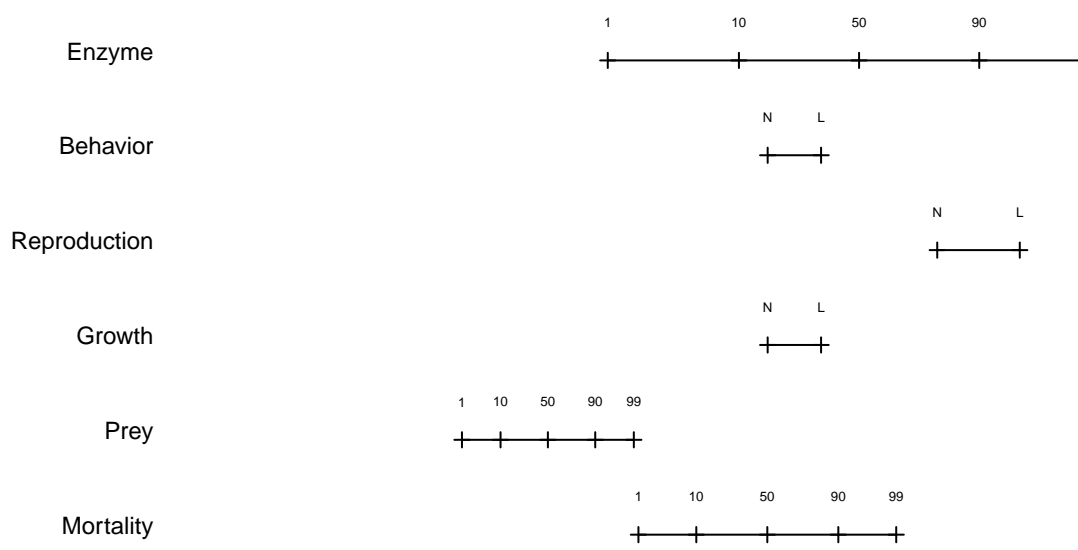


%s (overlap, treated)

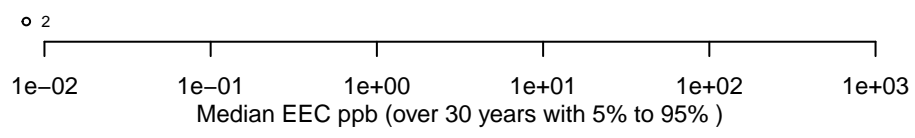
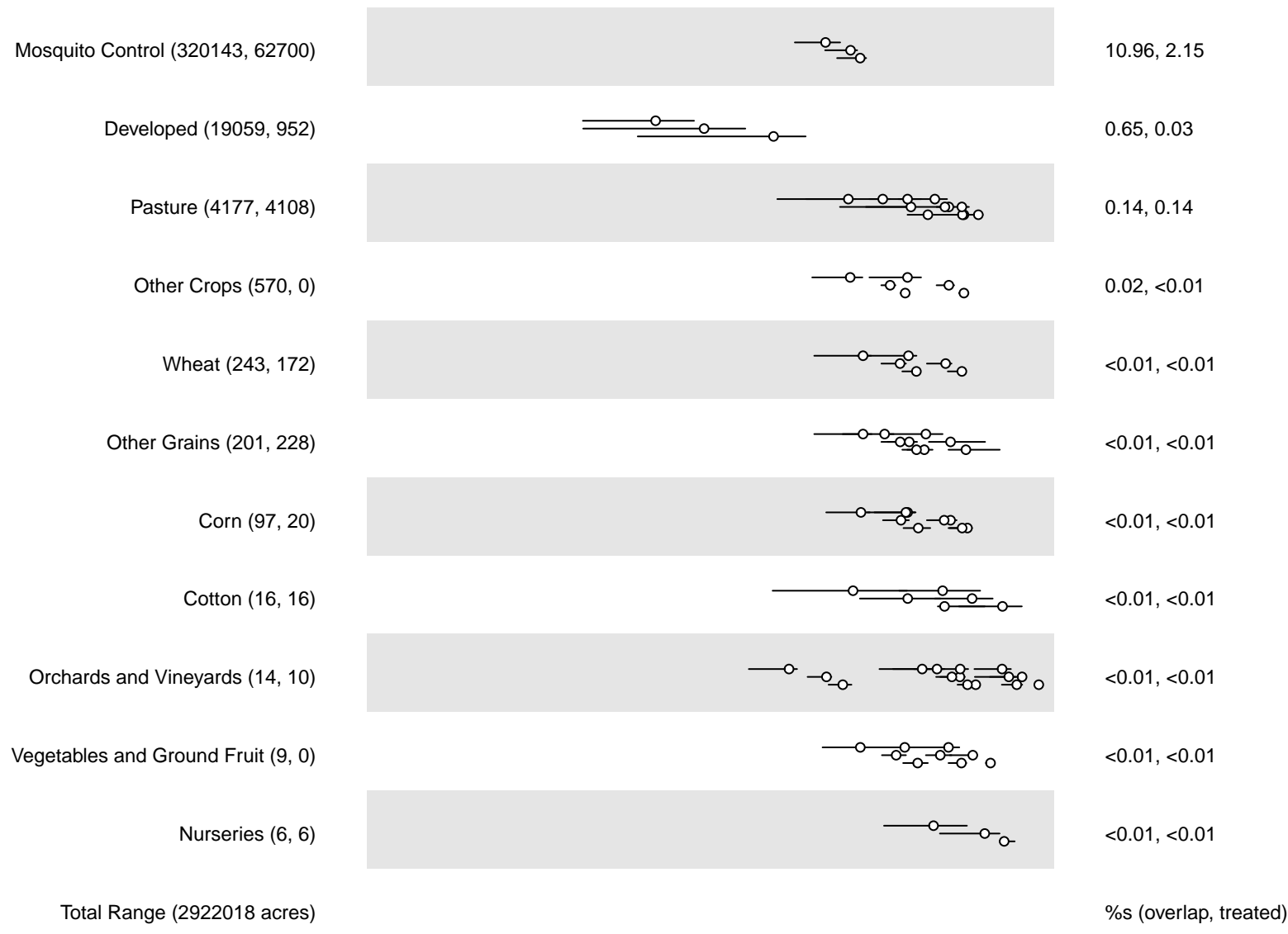


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:14, bin:2
Kendall Warm Springs dace (227) Range

Toxicities

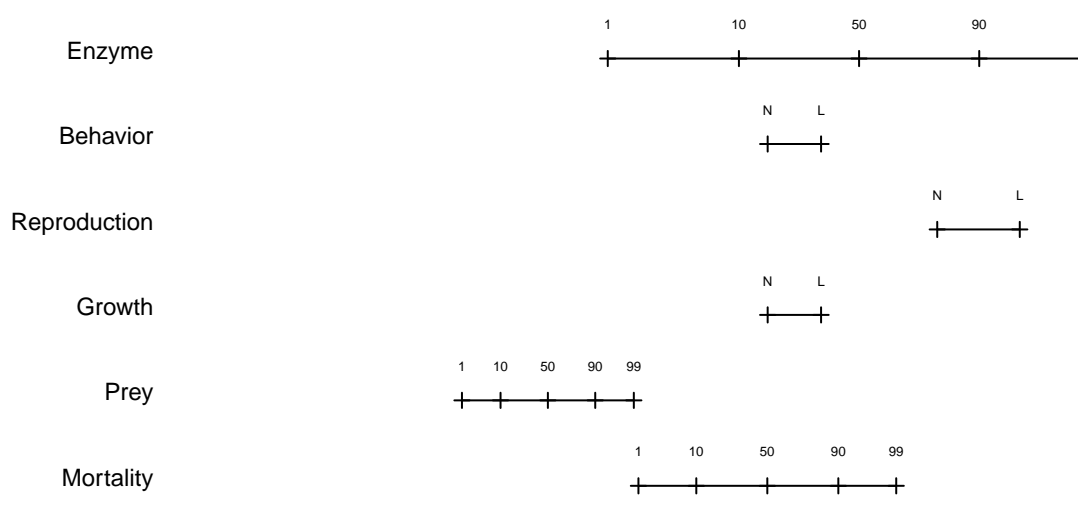


Uses

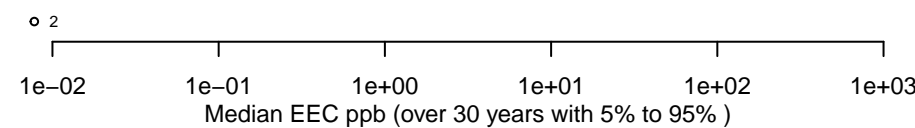
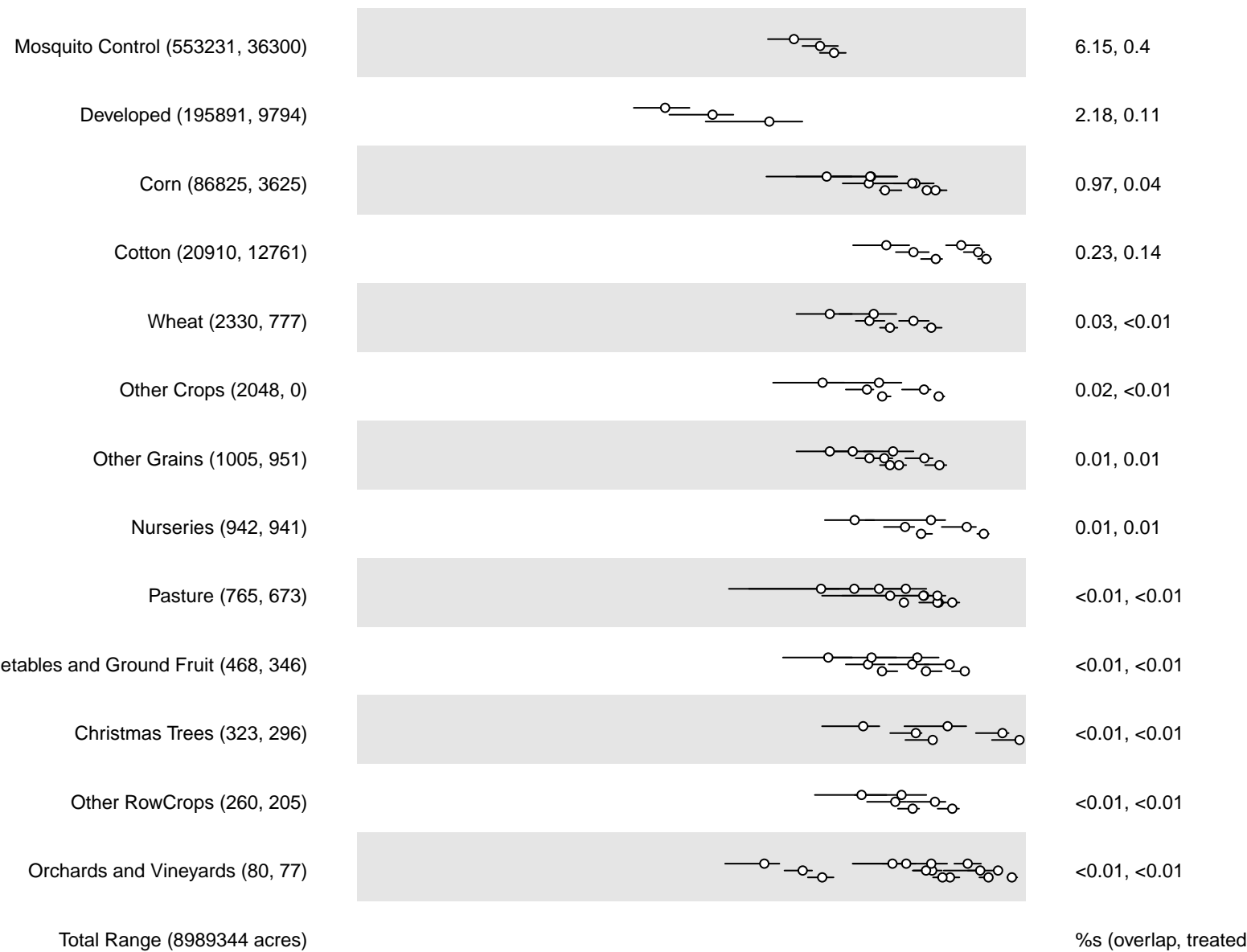


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:15a,15b,16a, bin:2
Woundfin (234) Range

Toxicities



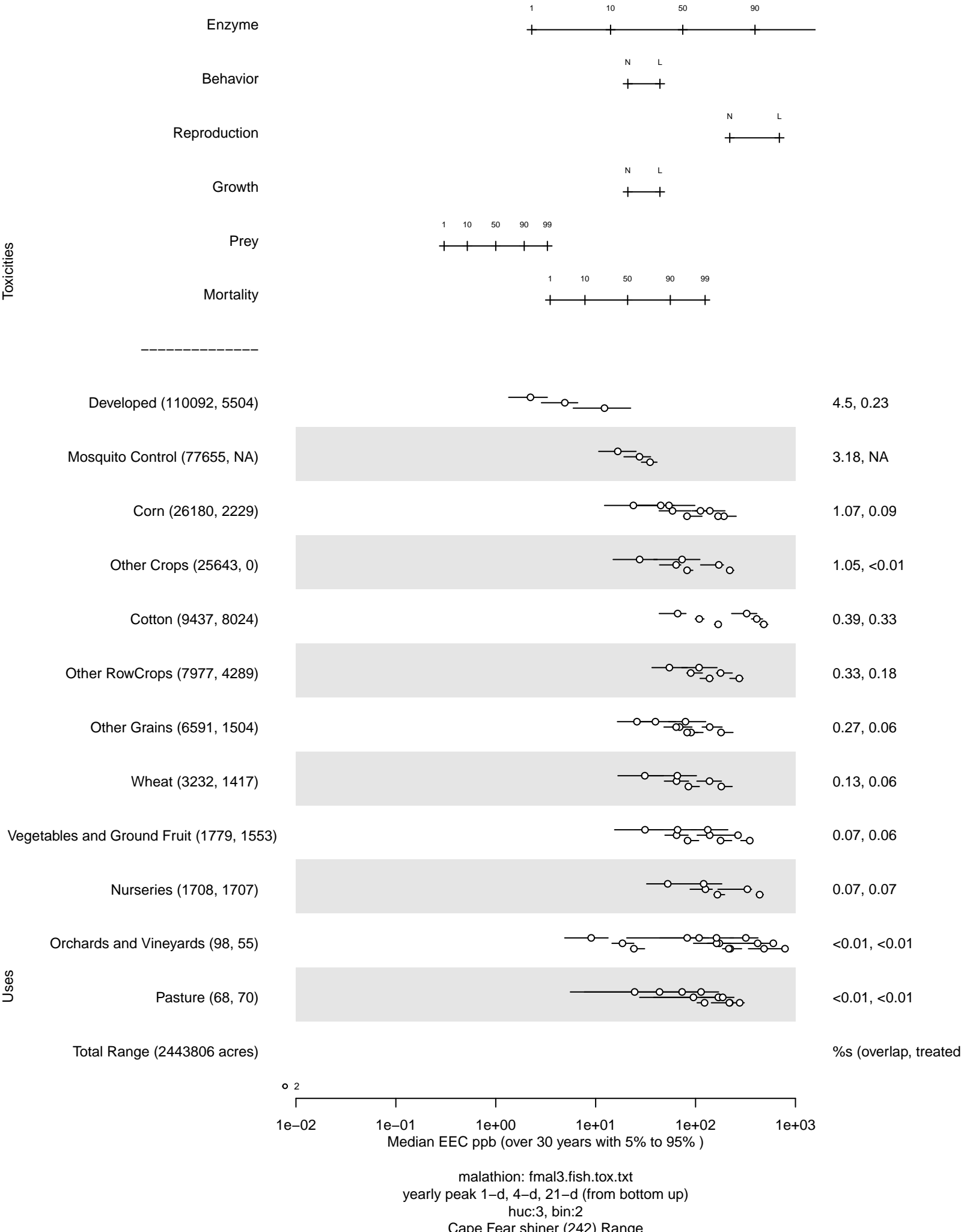
Uses



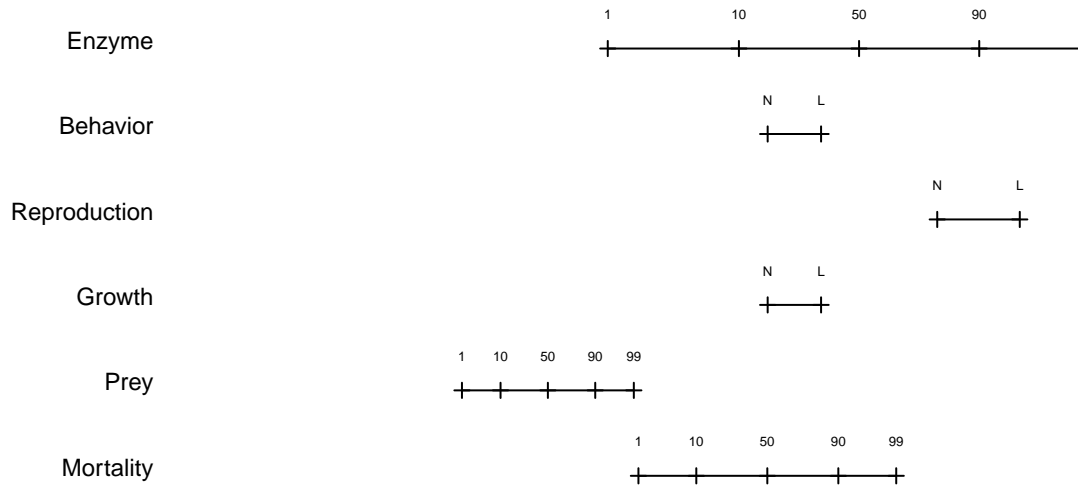
malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:3,5,6, bin:2
Spotfin Chub (237) Range

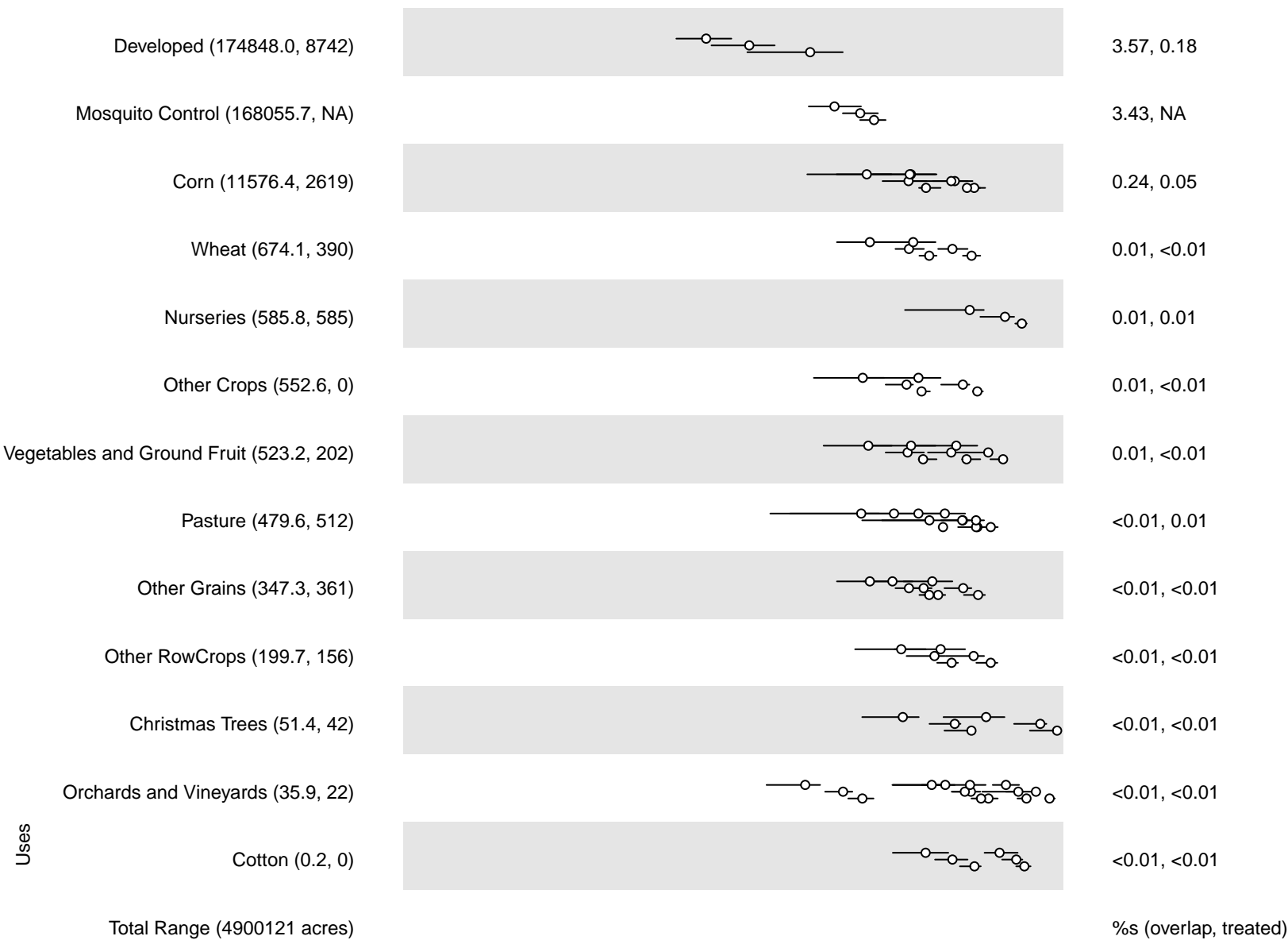
Toxicities

Uses

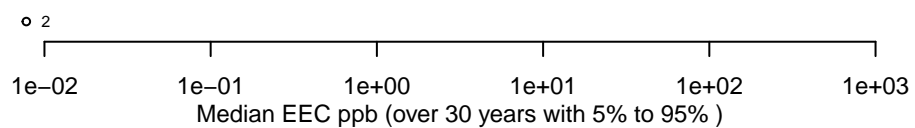


Toxicities





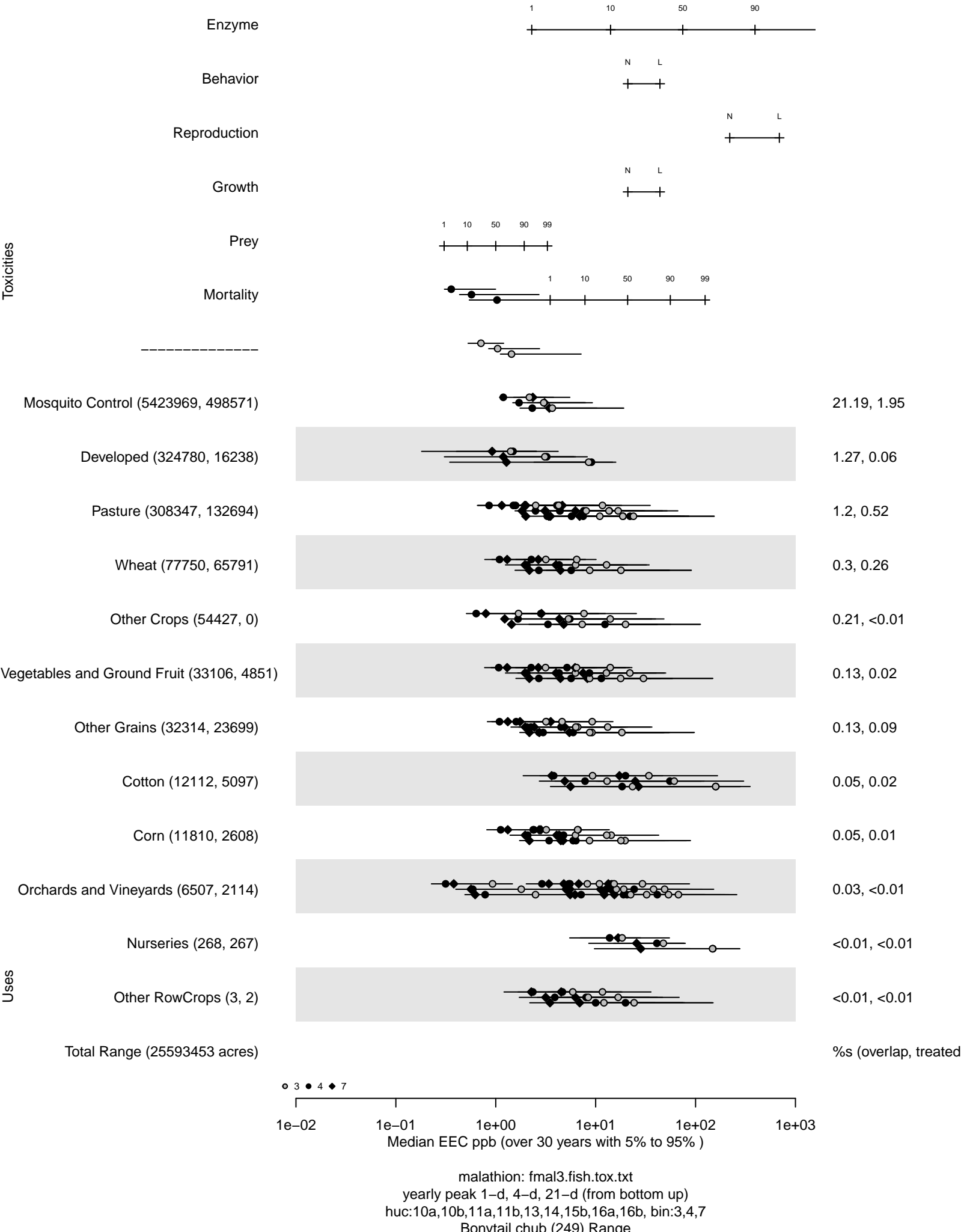
Uses



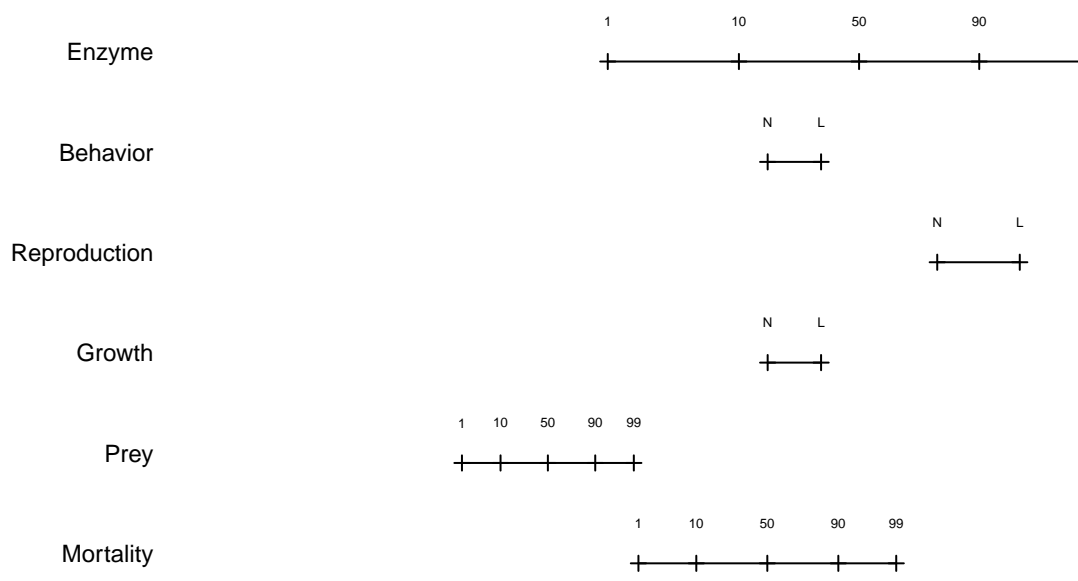
malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:5,6, bin:2
Slender chub (246) Range

Toxicities

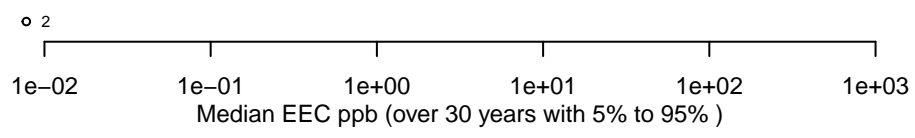
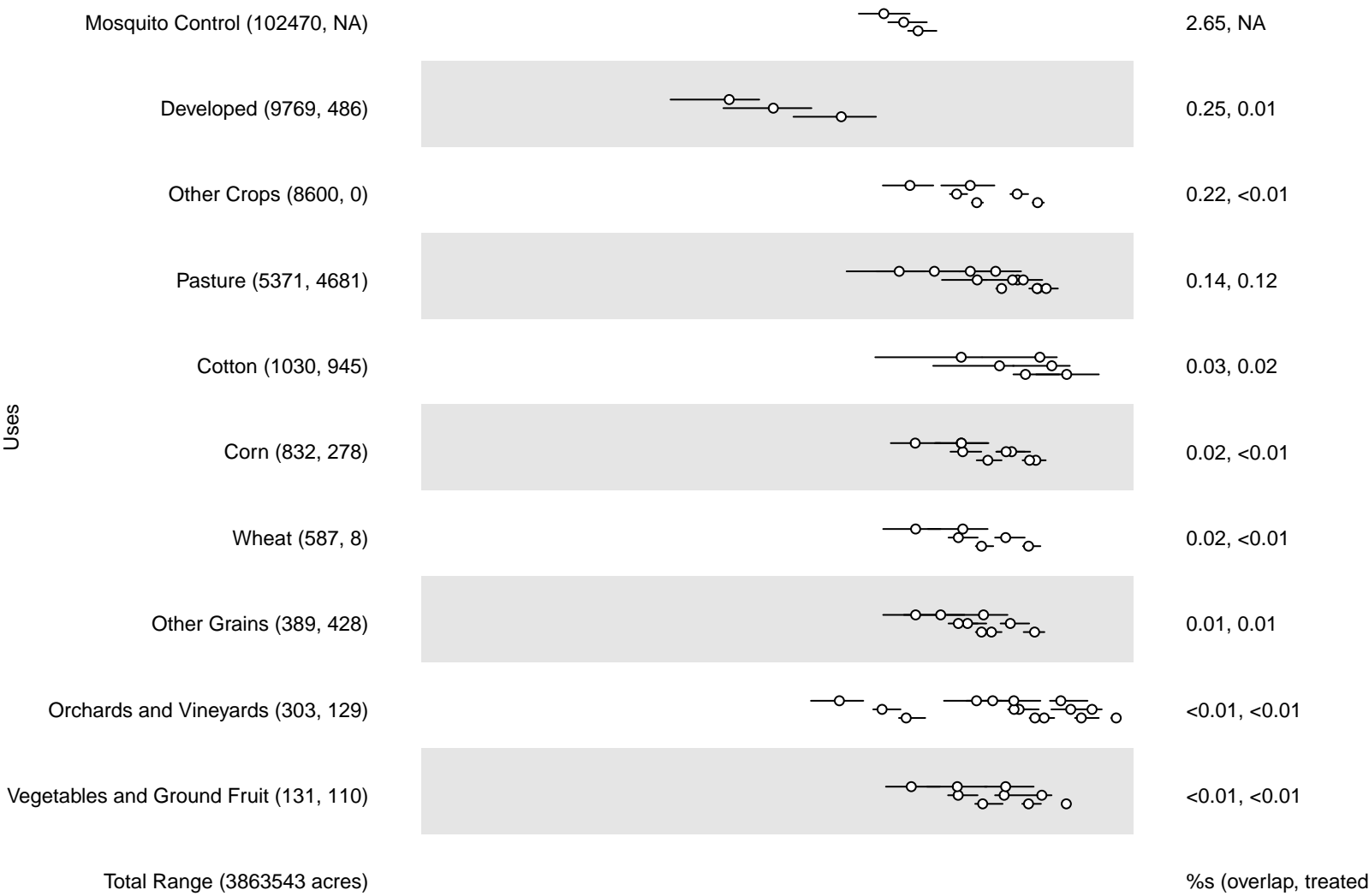
Uses



Toxicities

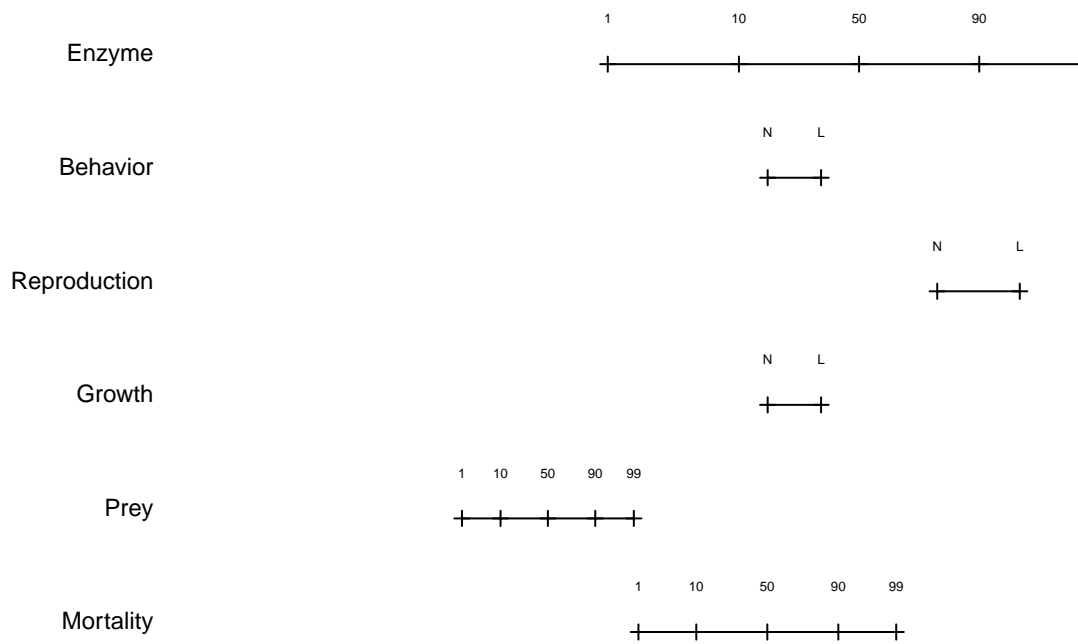


Uses

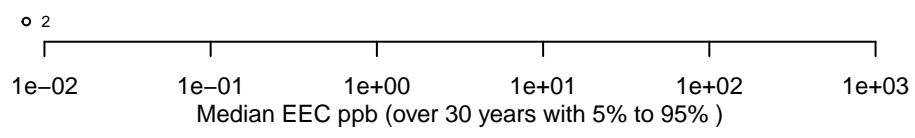
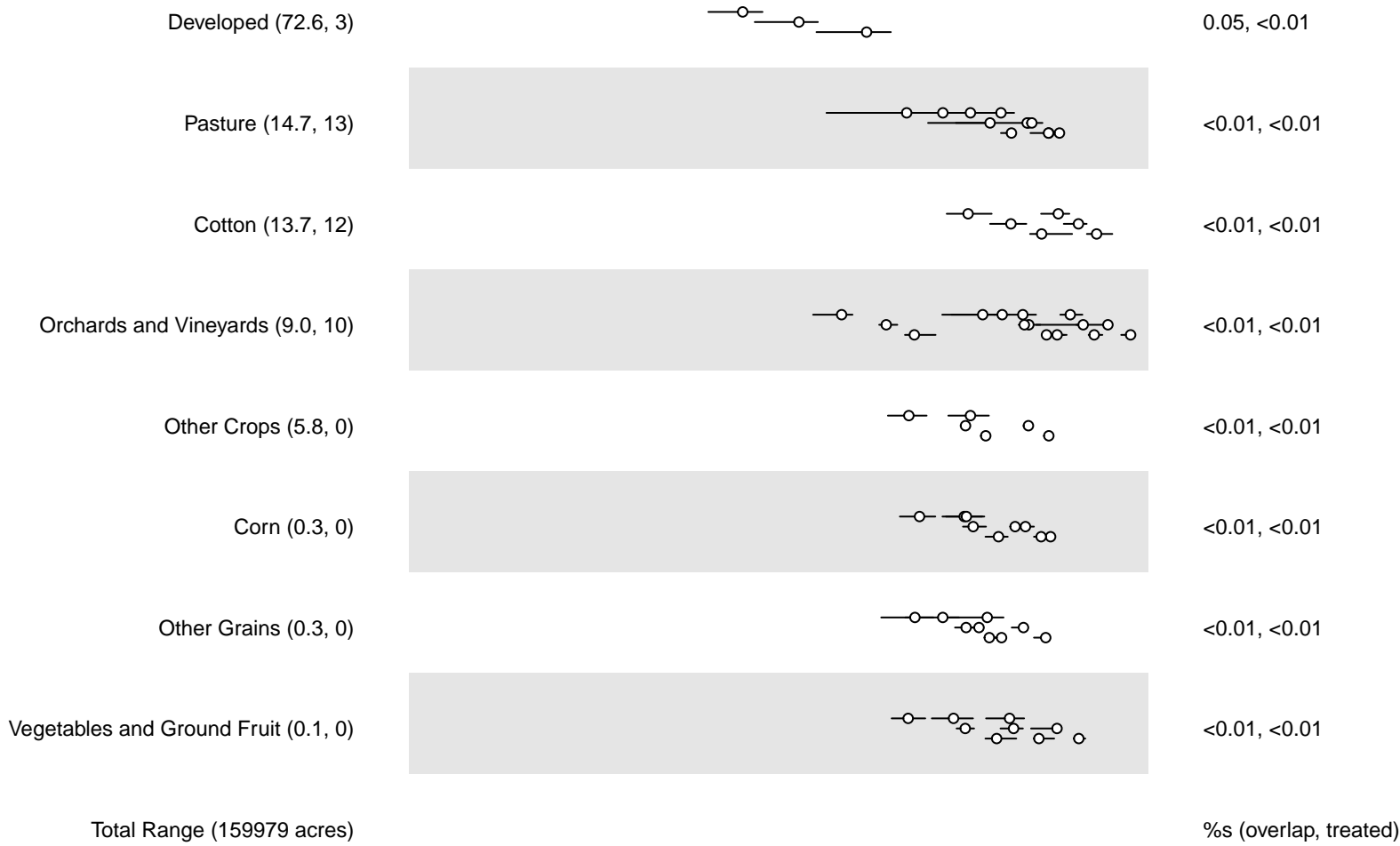


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:13,15a,15b, bin:2
Chihuahua chub (254) Range

Toxicities

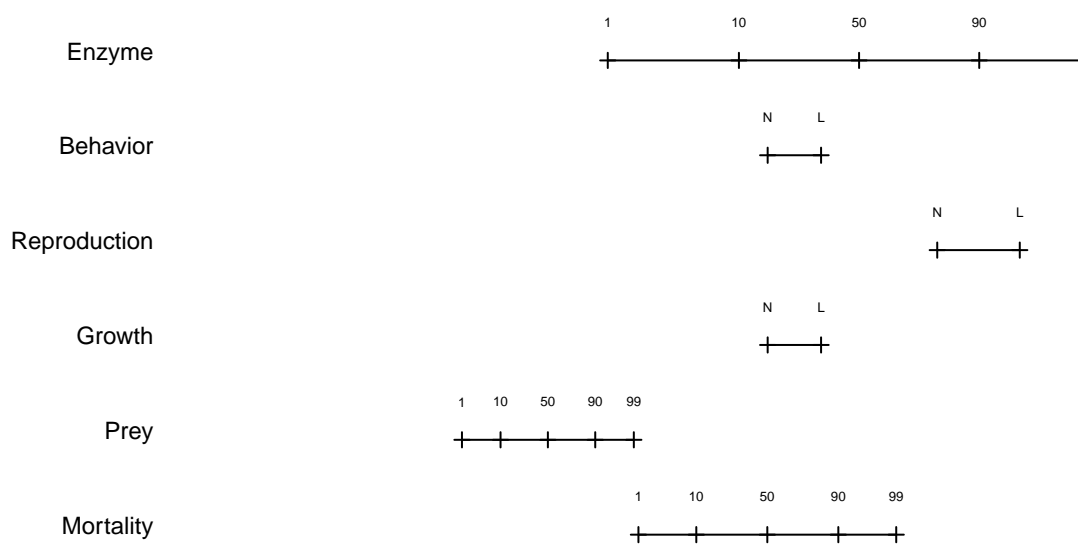


Uses

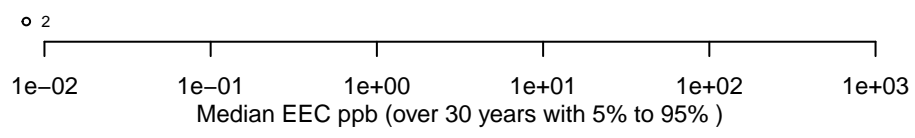
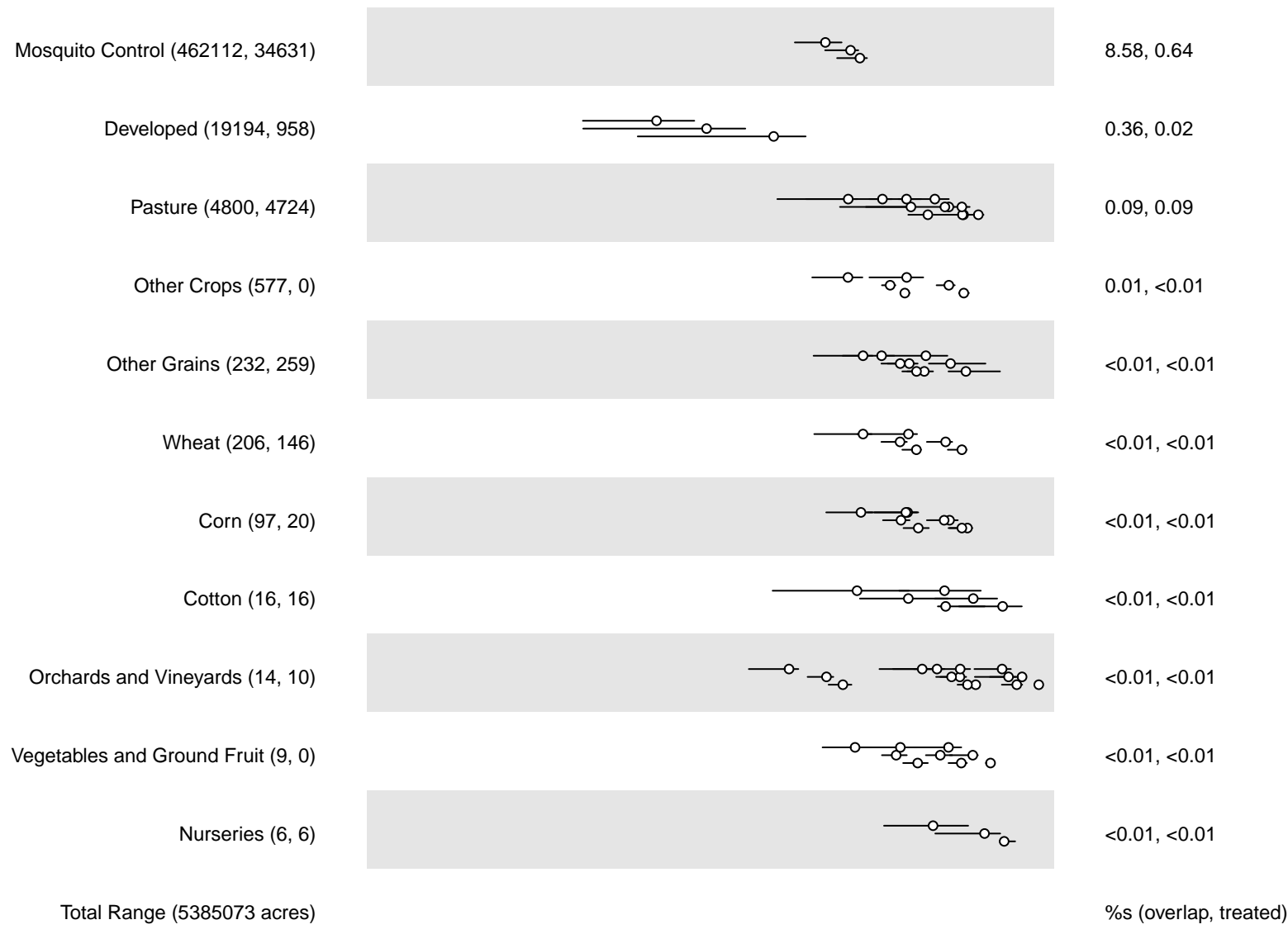


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:15a, bin:2
Sonora chub (255) Range

Toxicities

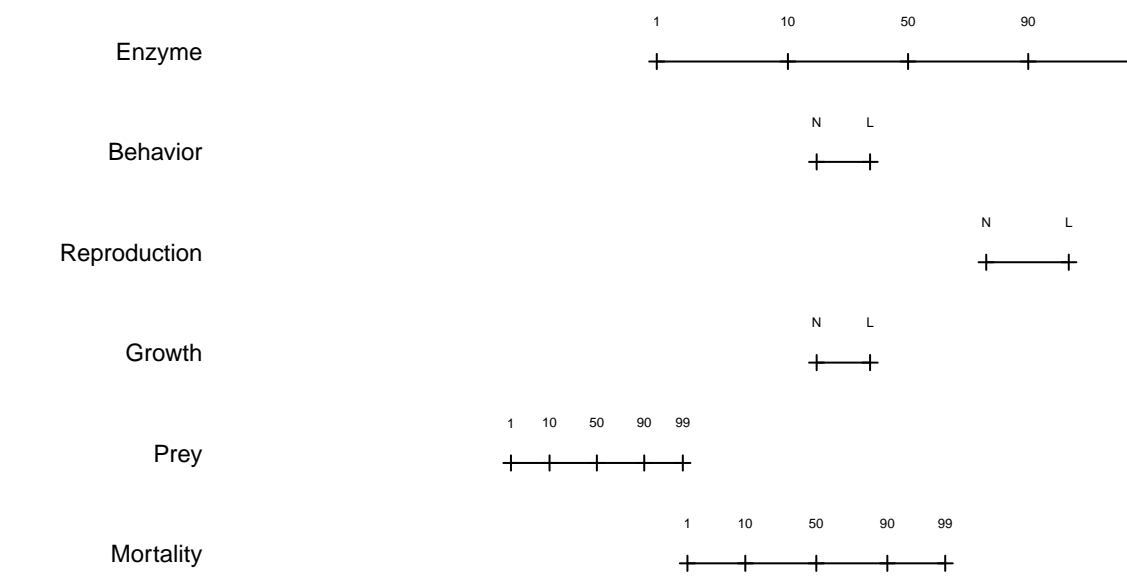


Uses

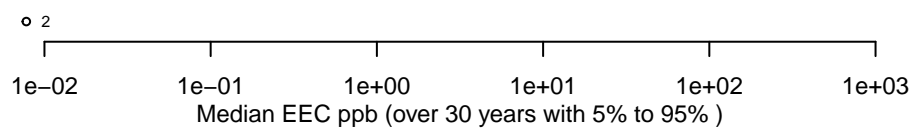
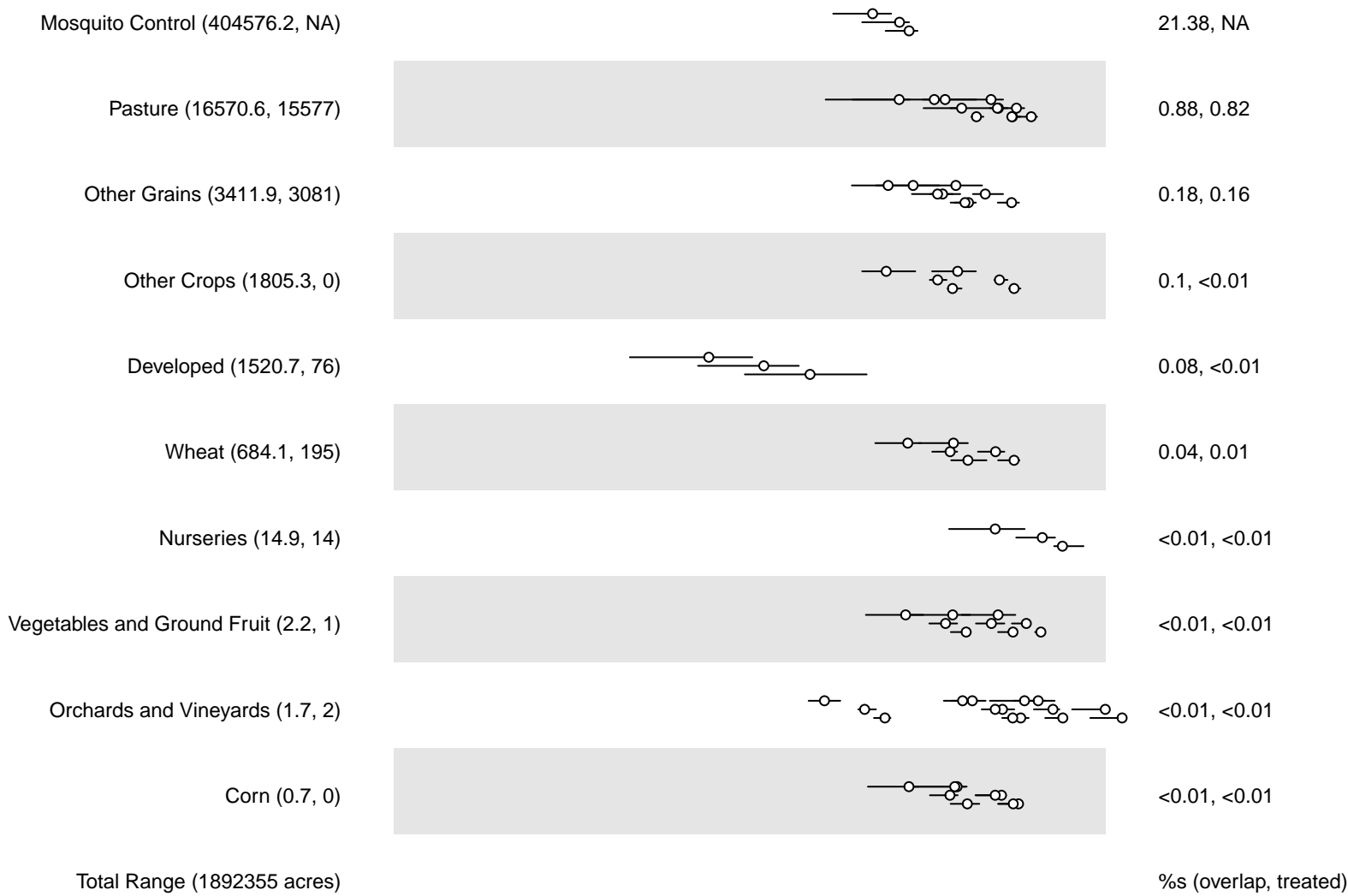


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:14,15a,15b,16a, bin:2
Virgin River Chub (256) Range

Toxicities

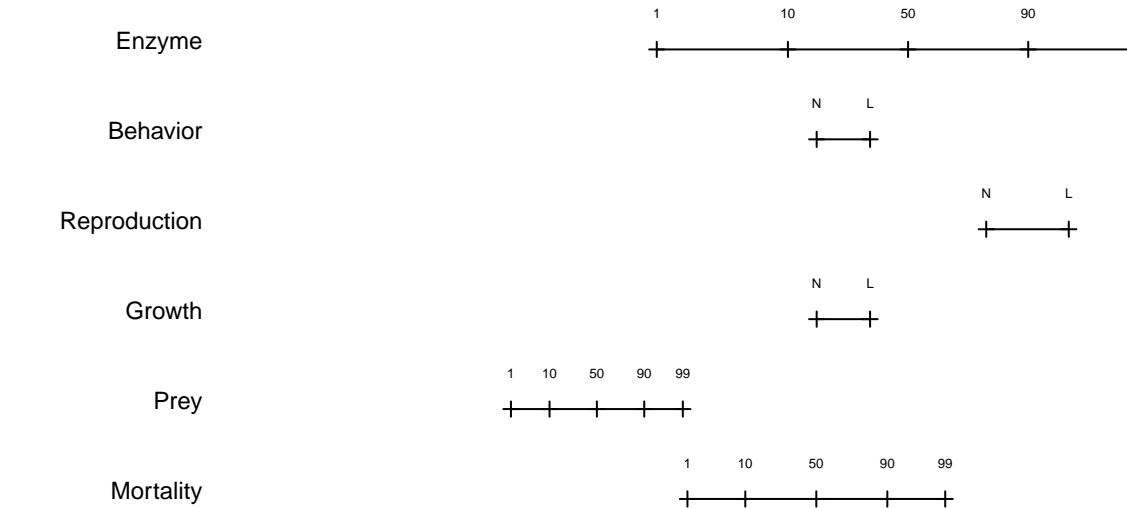


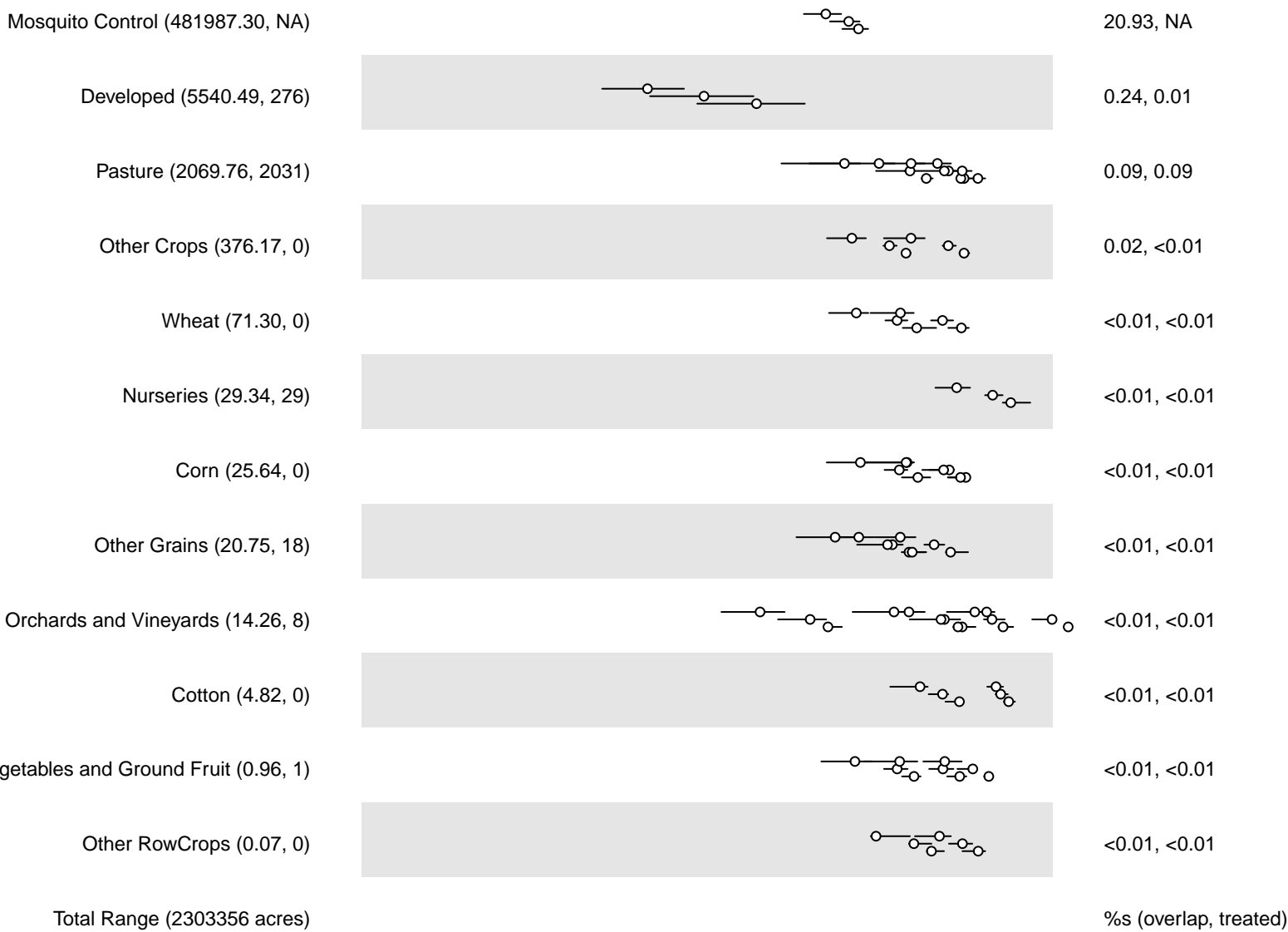
Uses



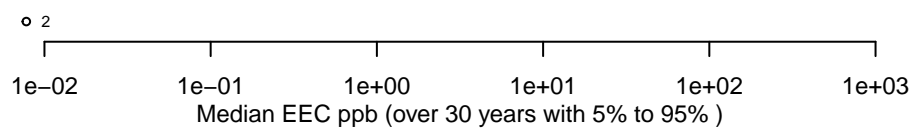
malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:17b,17a,18a, bin:2
Hutton tui chub (261) Range

Toxicities





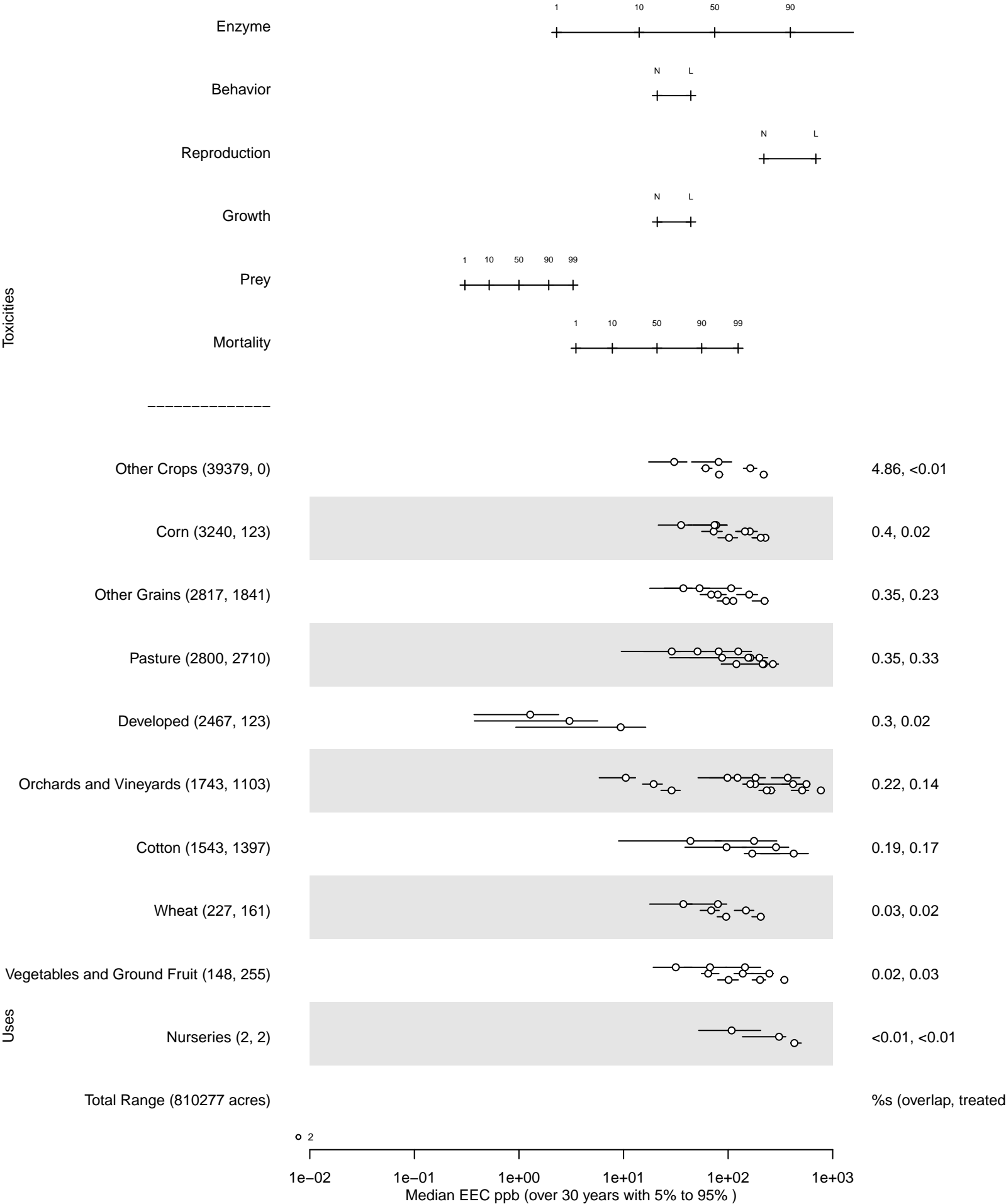
Uses



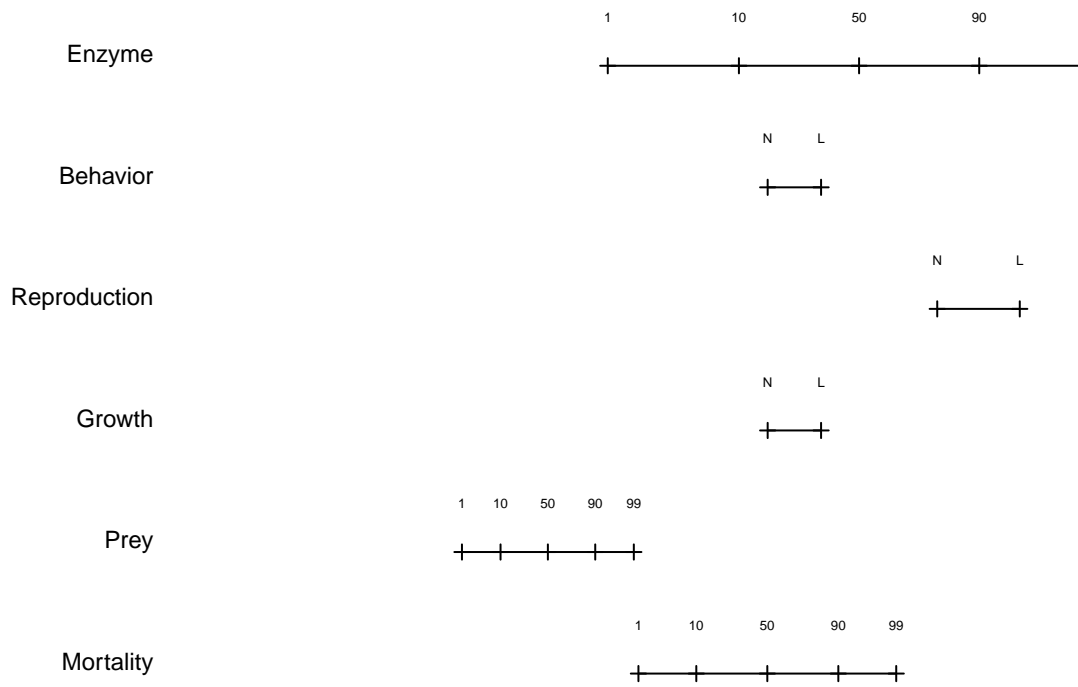
malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:18a,18b, bin:2
Owens Tui Chub (262) Range

Toxicities

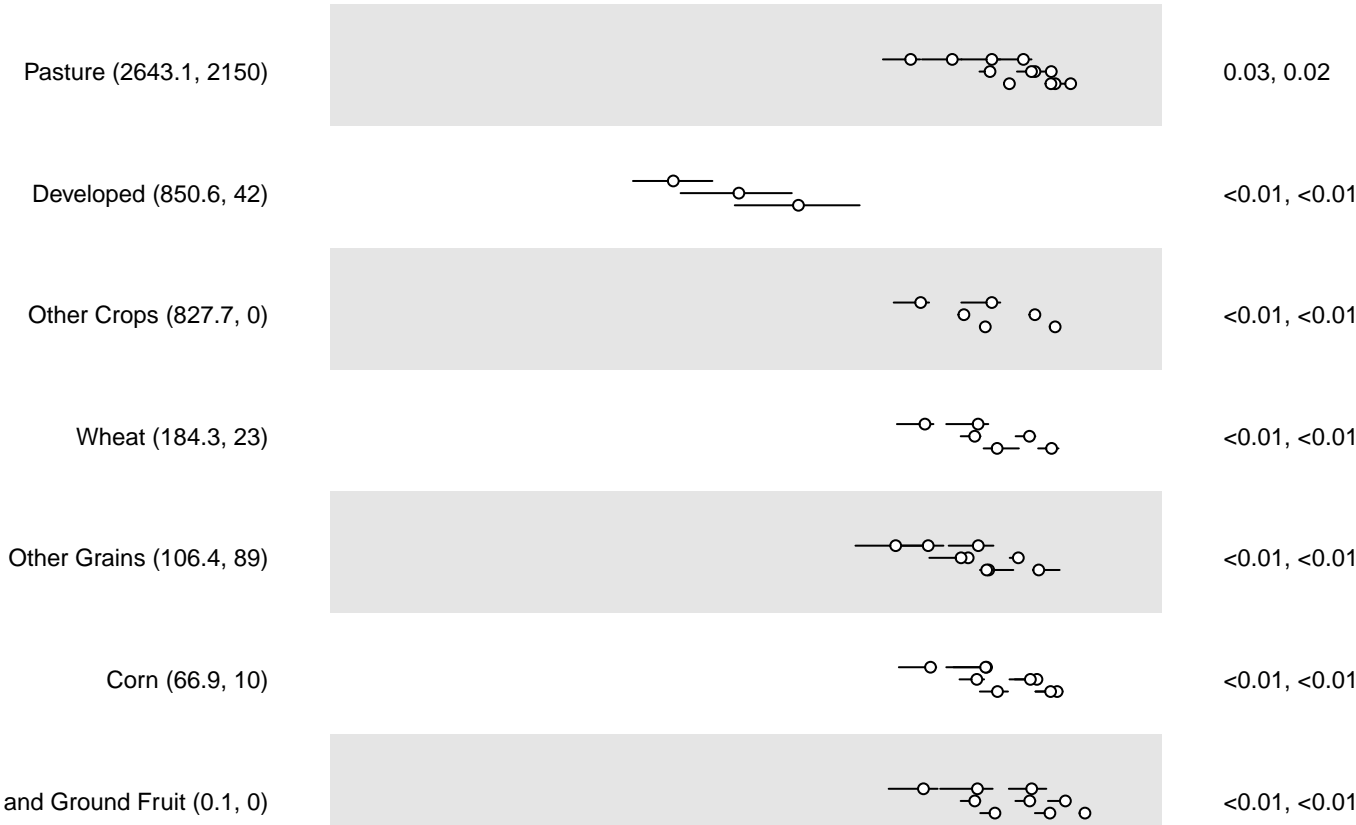
Uses



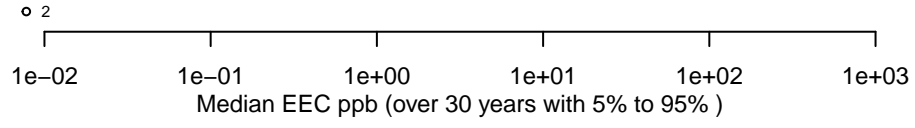
Toxicities



Uses

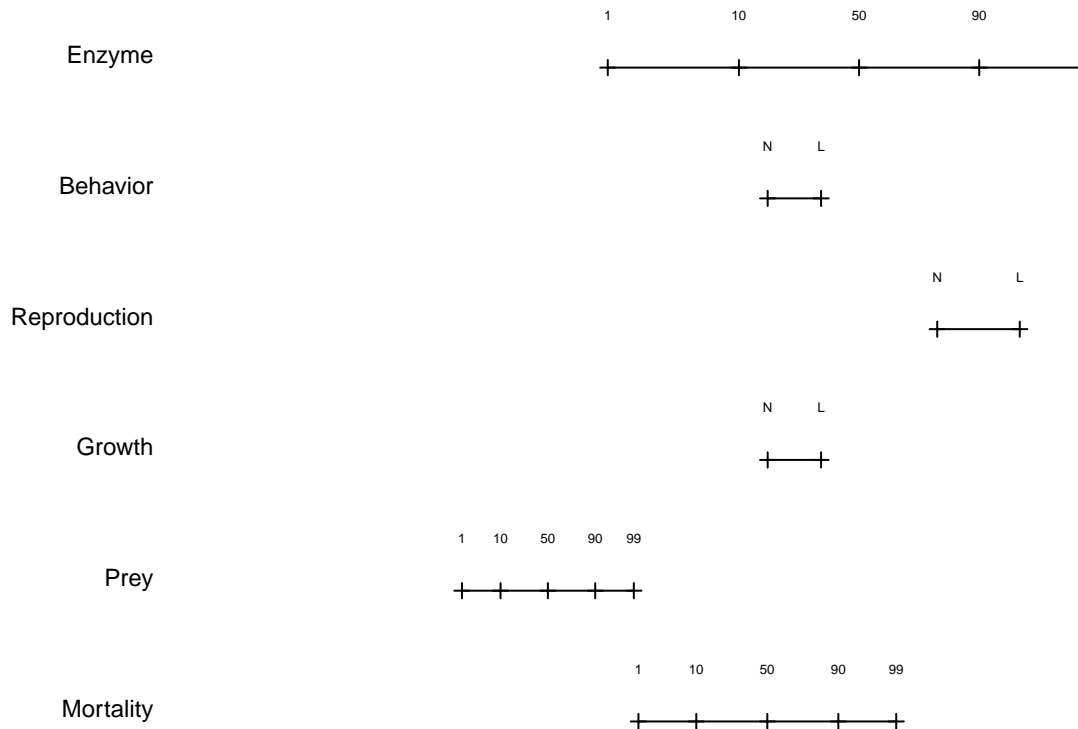


Total Range (9864452 acres) %s (overlap, treated)

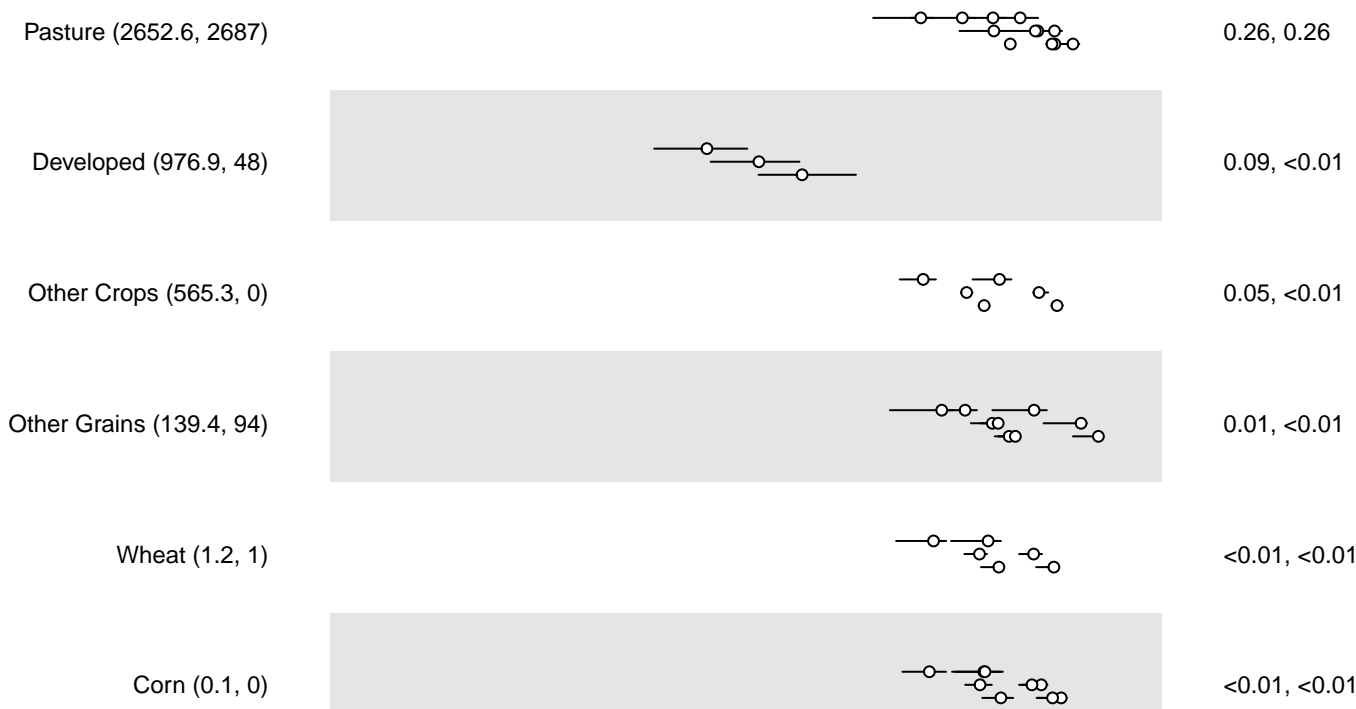


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:18b, bin:2
Ash Meadows speckled dace (264) Range

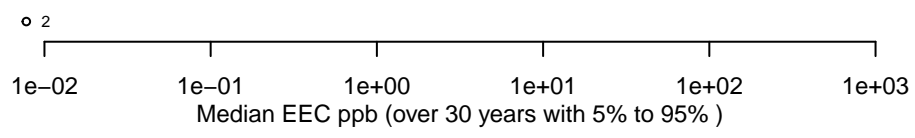
Toxicities



Uses

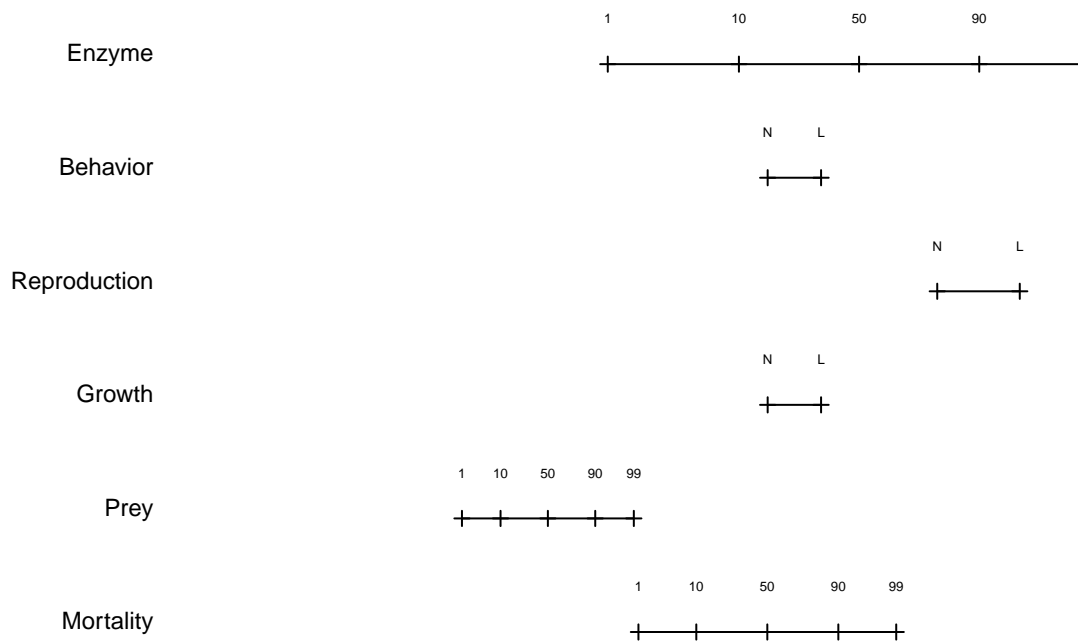


Total Range (1030740 acres) %s (overlap, treated)

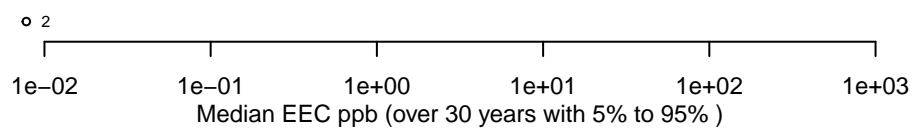
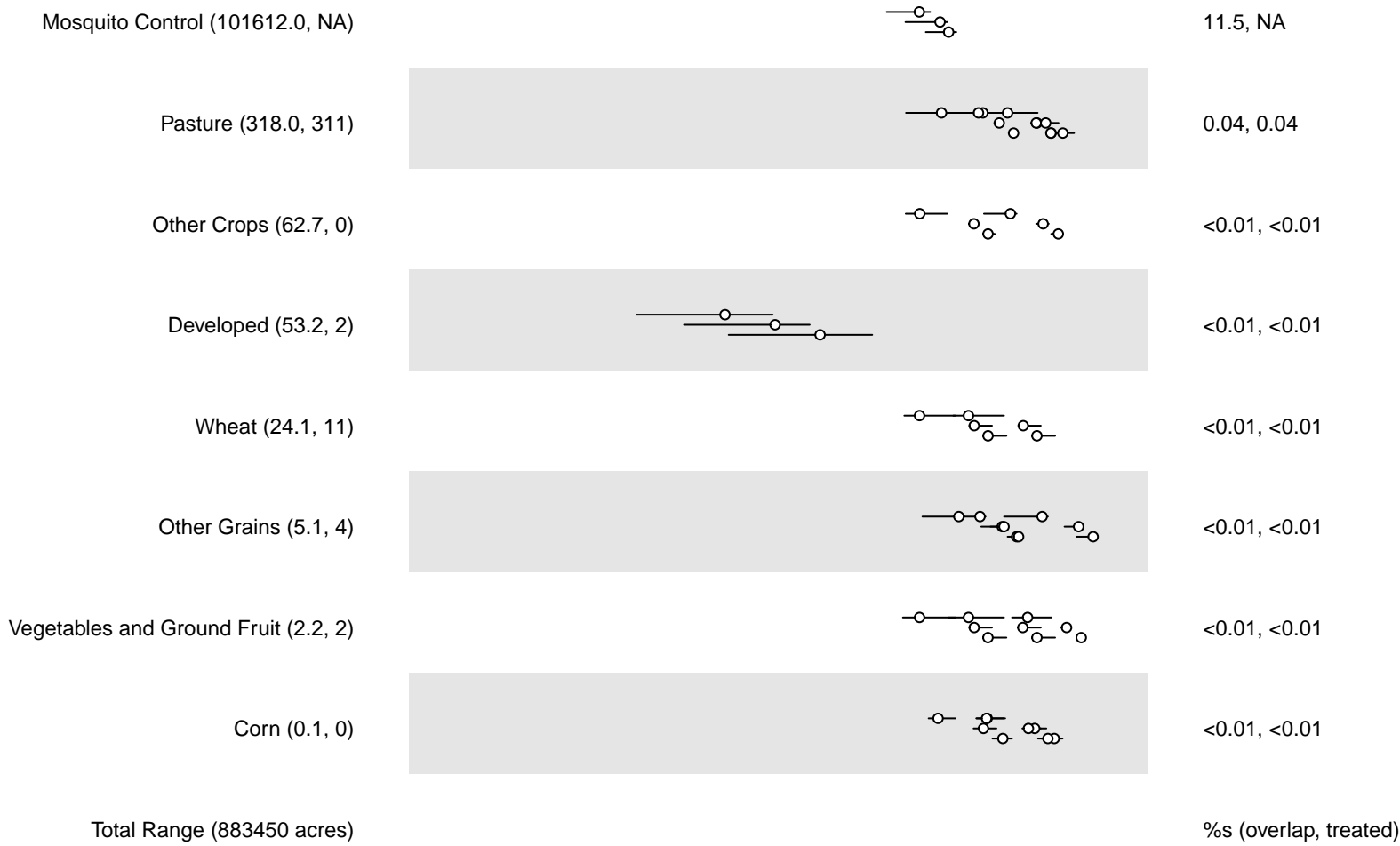


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:16b,16a, bin:2
Clover Valley speckled dace (265) Range

Toxicities

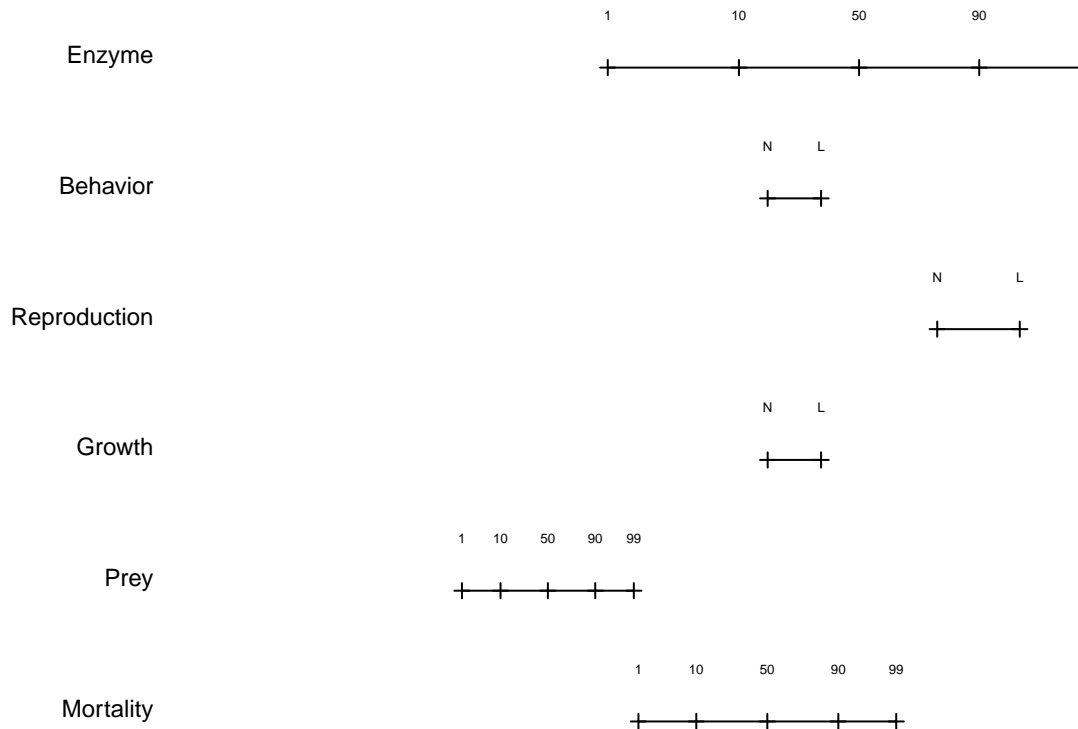


Uses

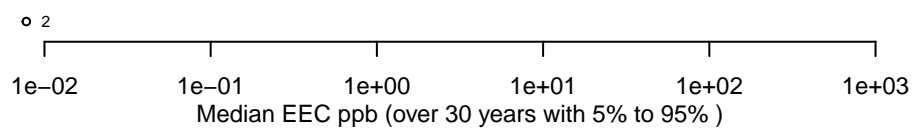
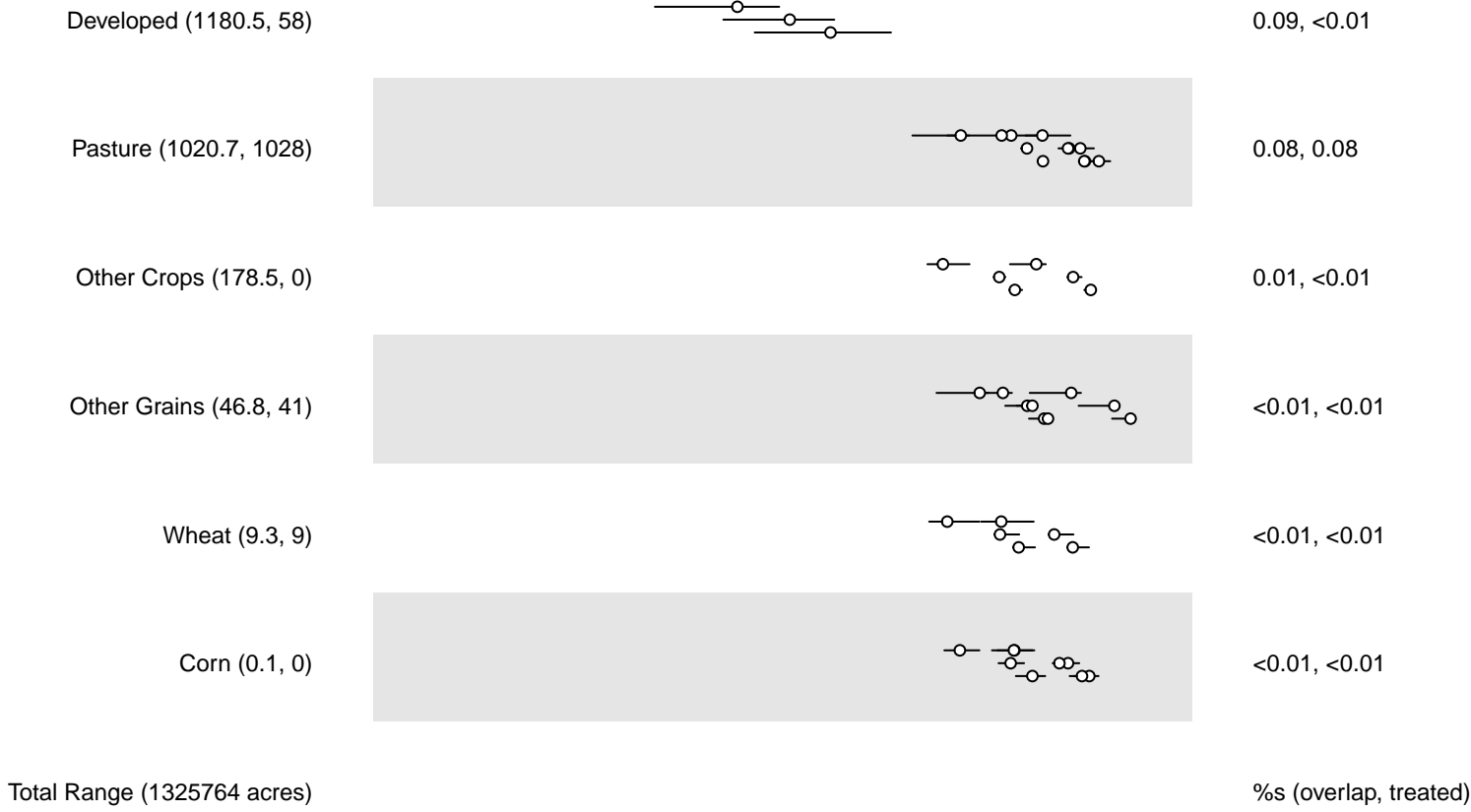


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:16a,16b, bin:2
Desert dace (266) Range

Toxicities



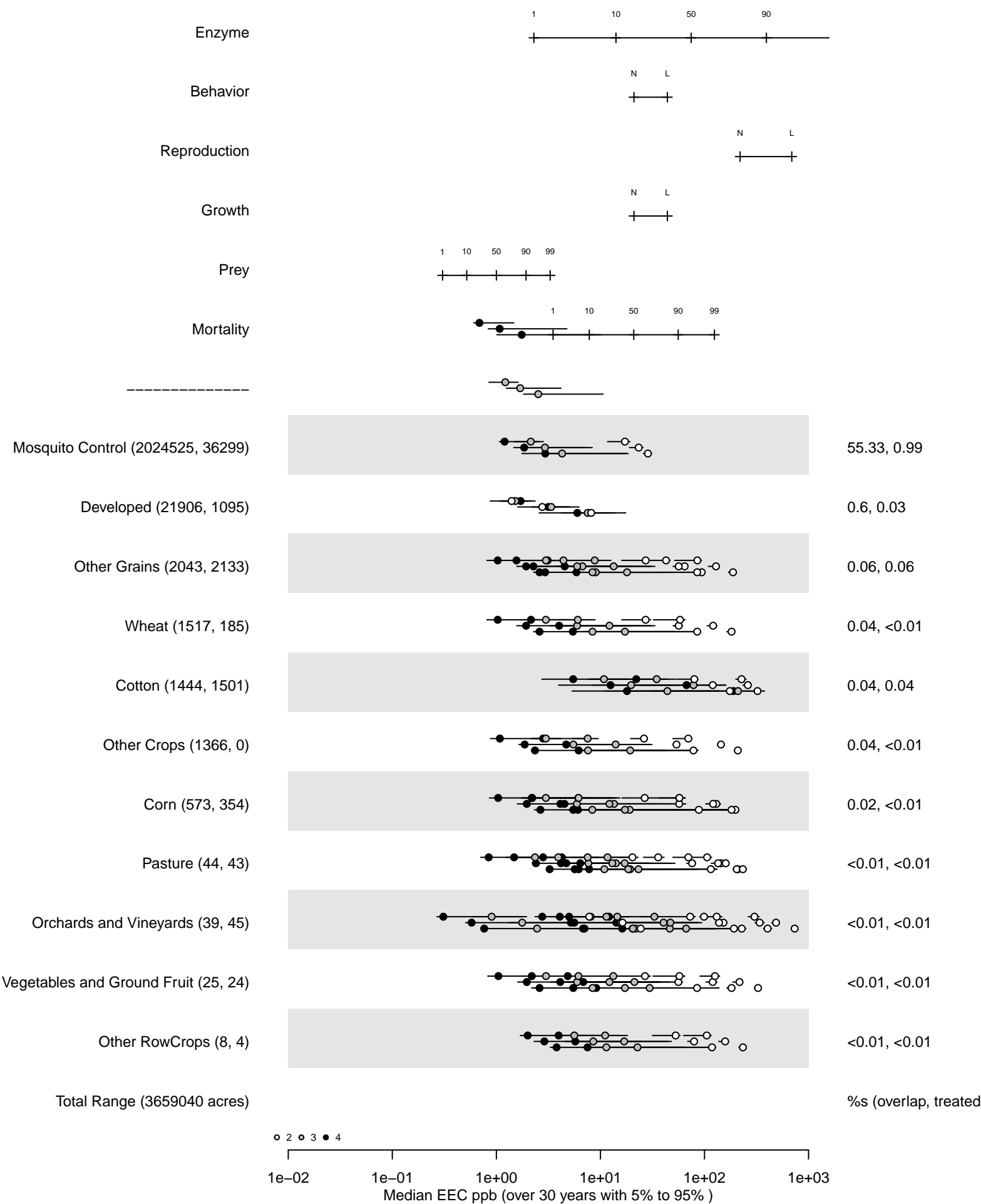
Uses



malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:16a,16b, bin:2
Independence Valley speckled dace (268) Range

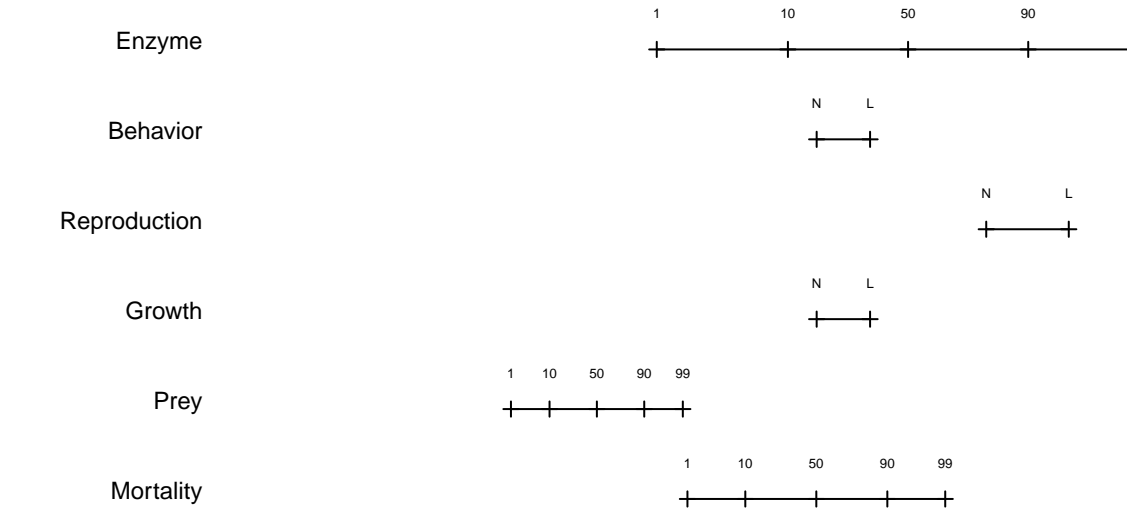
Toxicities

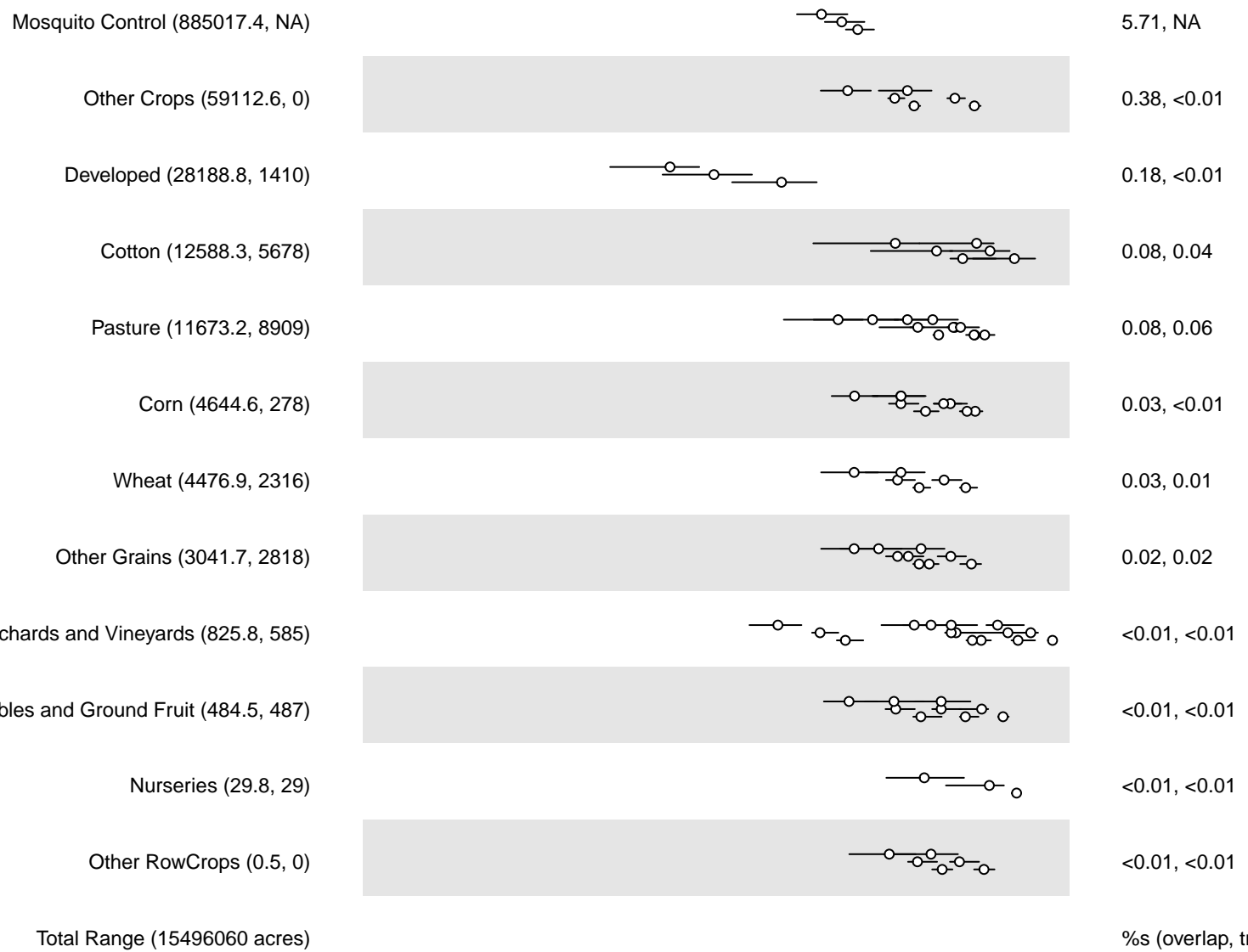
Uses



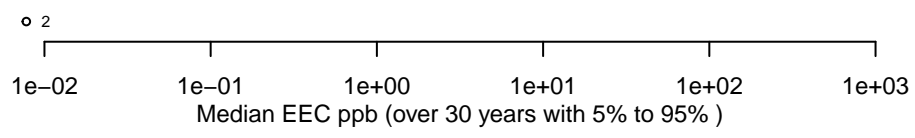
malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:12b,13, bin:2,3,4
Devils River minnow (272) Range

Toxicities





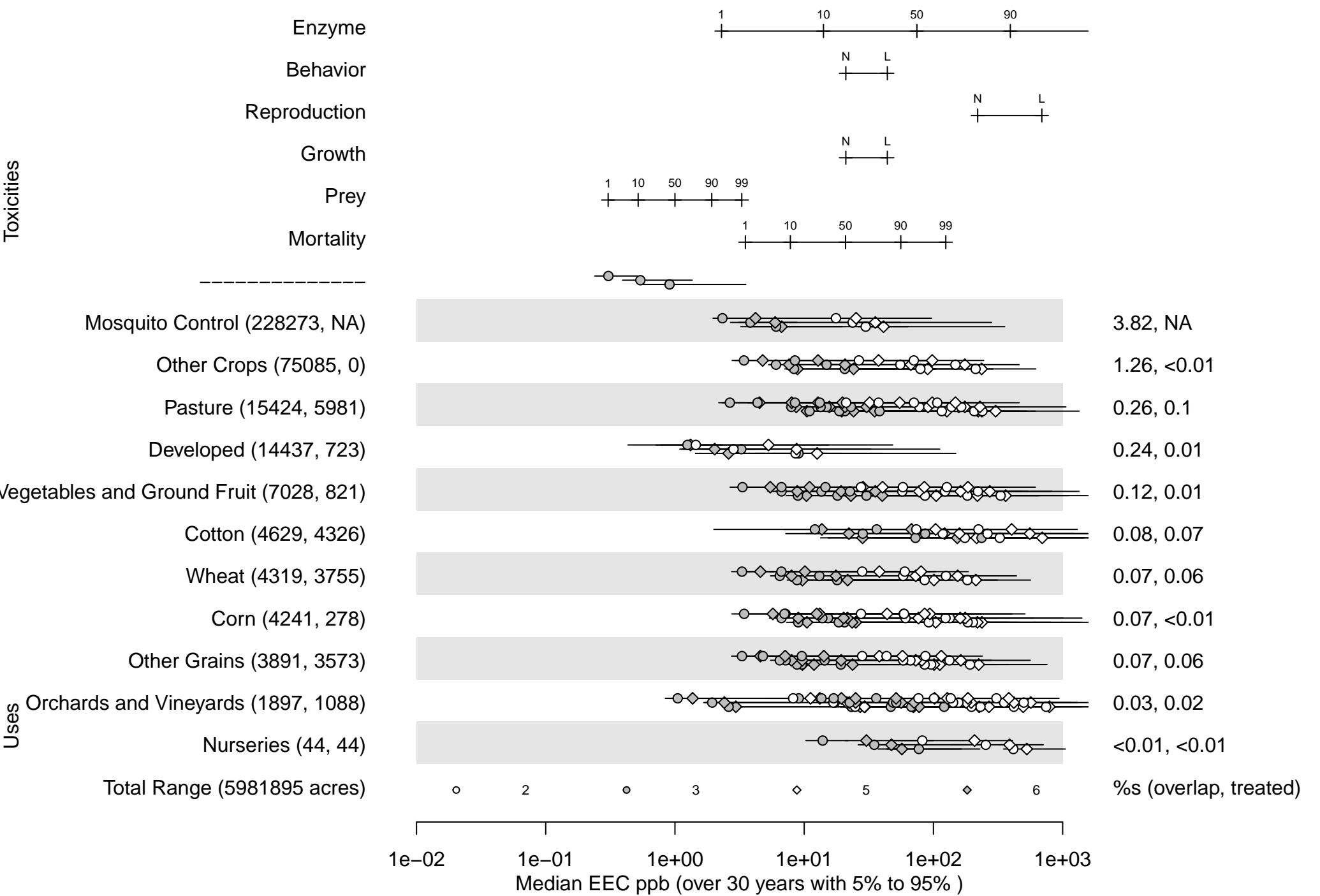
Uses



malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:13,15a,15b, bin:2
Loach minnow (273) Range

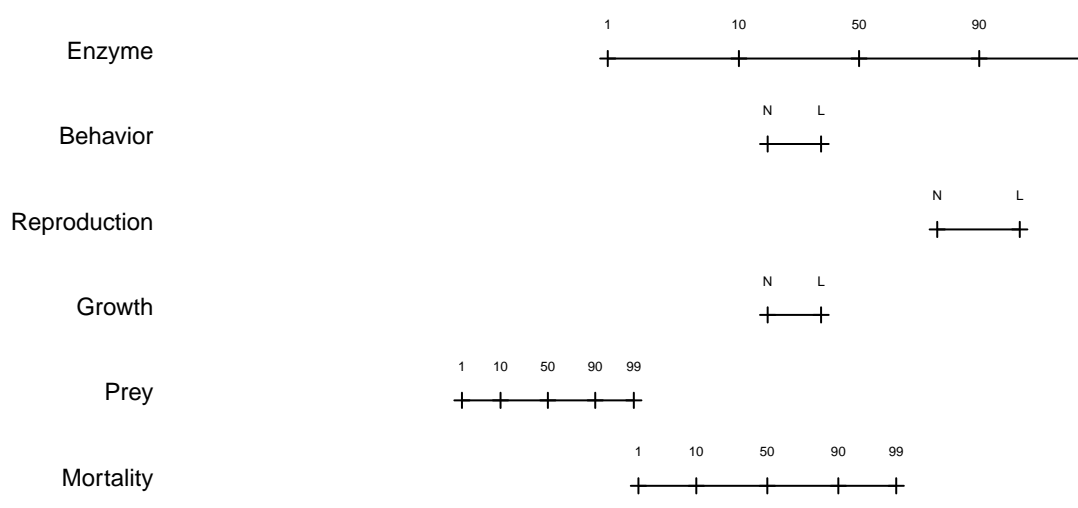
Toxicities

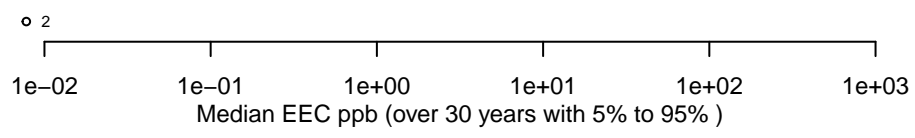
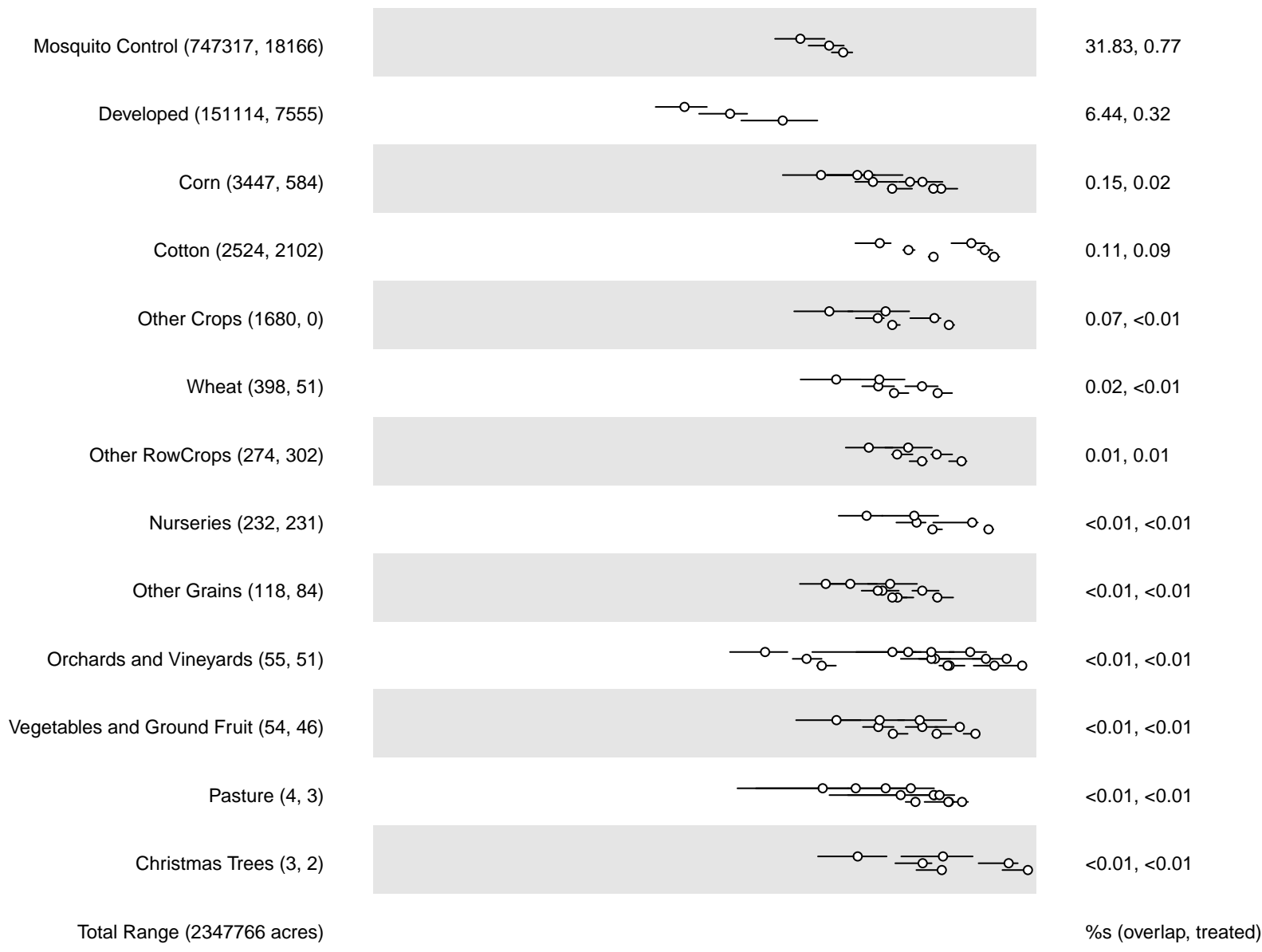
Uses



malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:13,15a,15b, bin:2,3,5,6
Beautiful shiner (276) Range

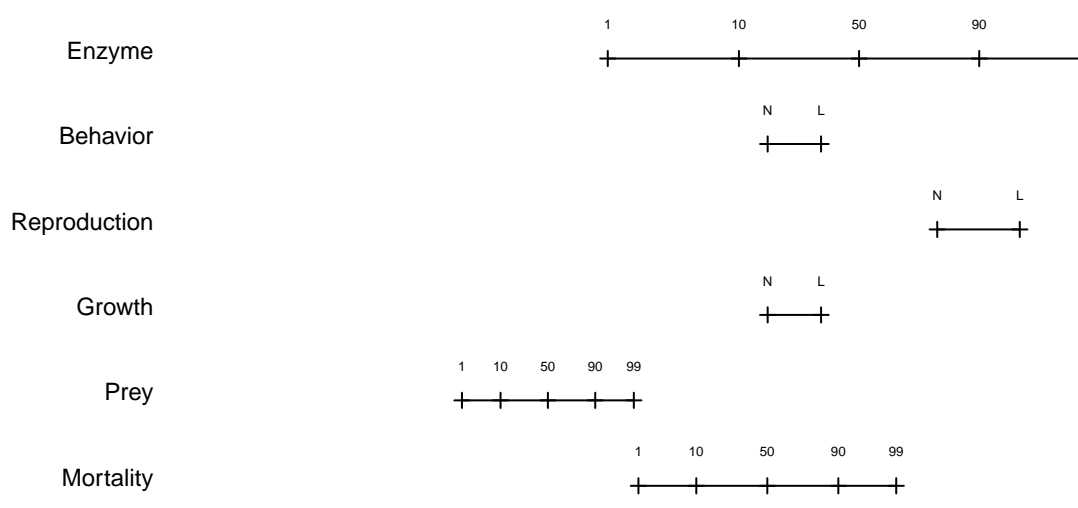
Toxicities

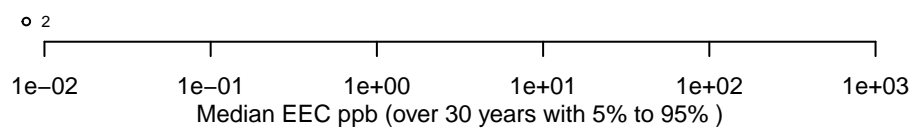
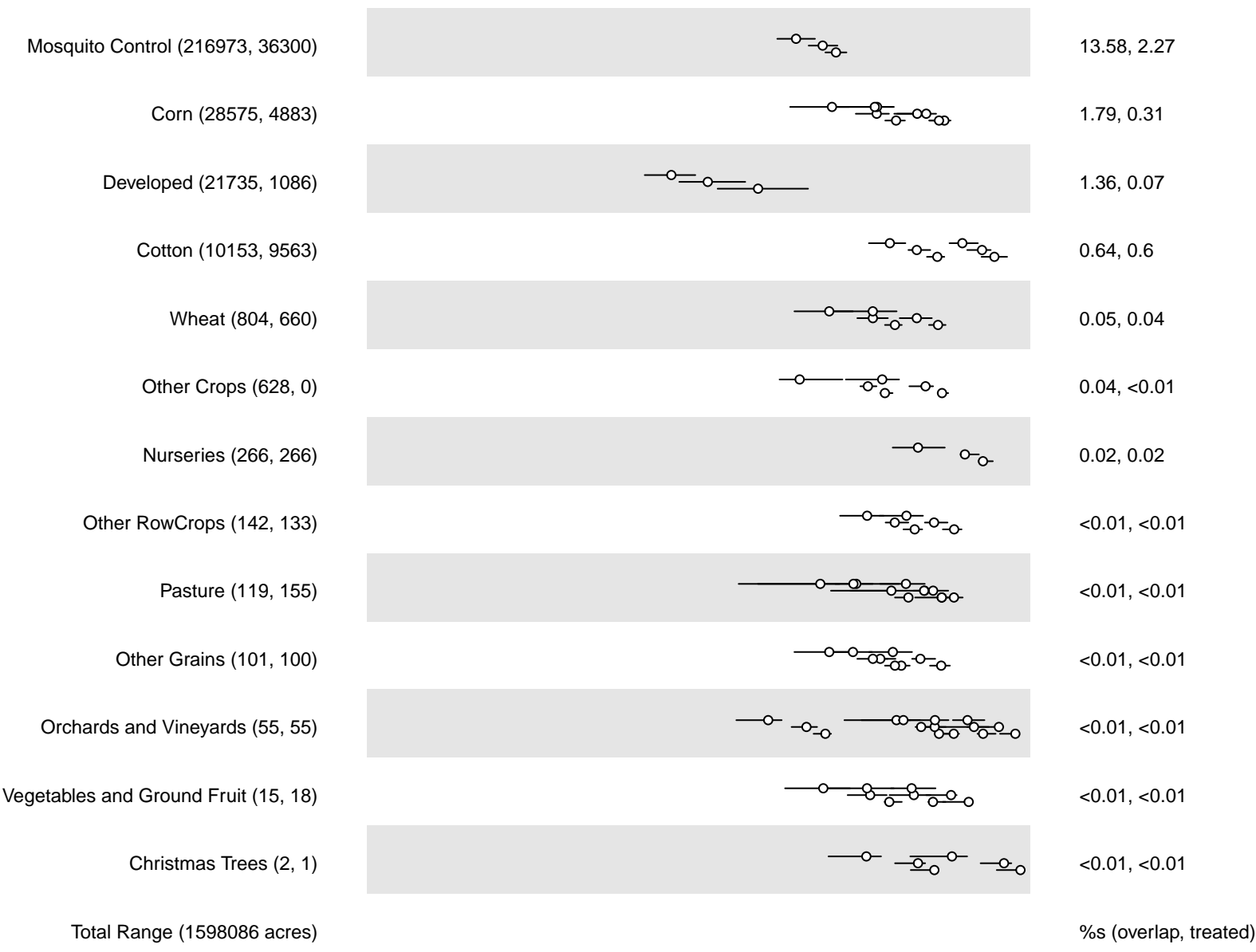




malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:3, bin:2
Cahaba shiner (277) Range

Toxicities

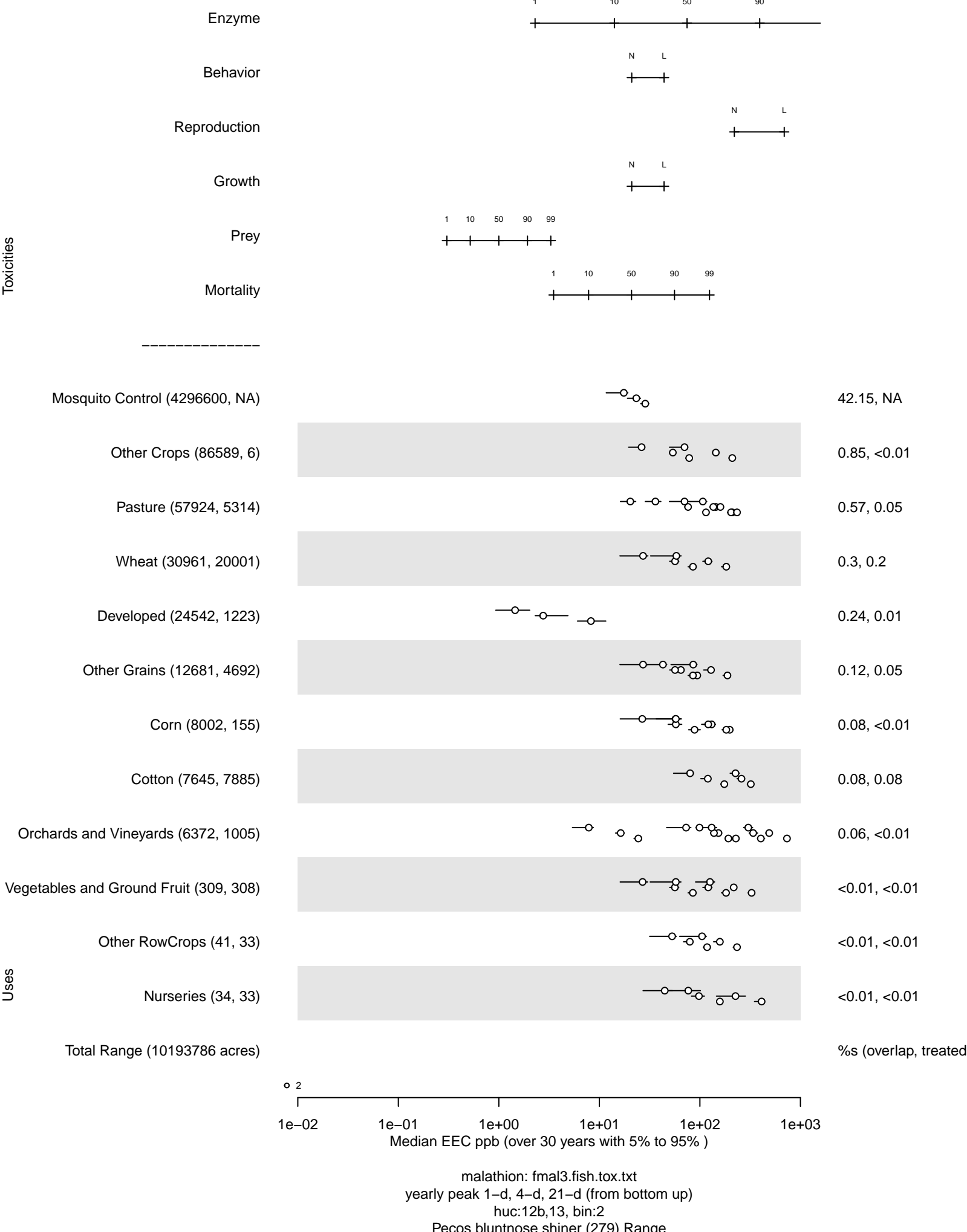




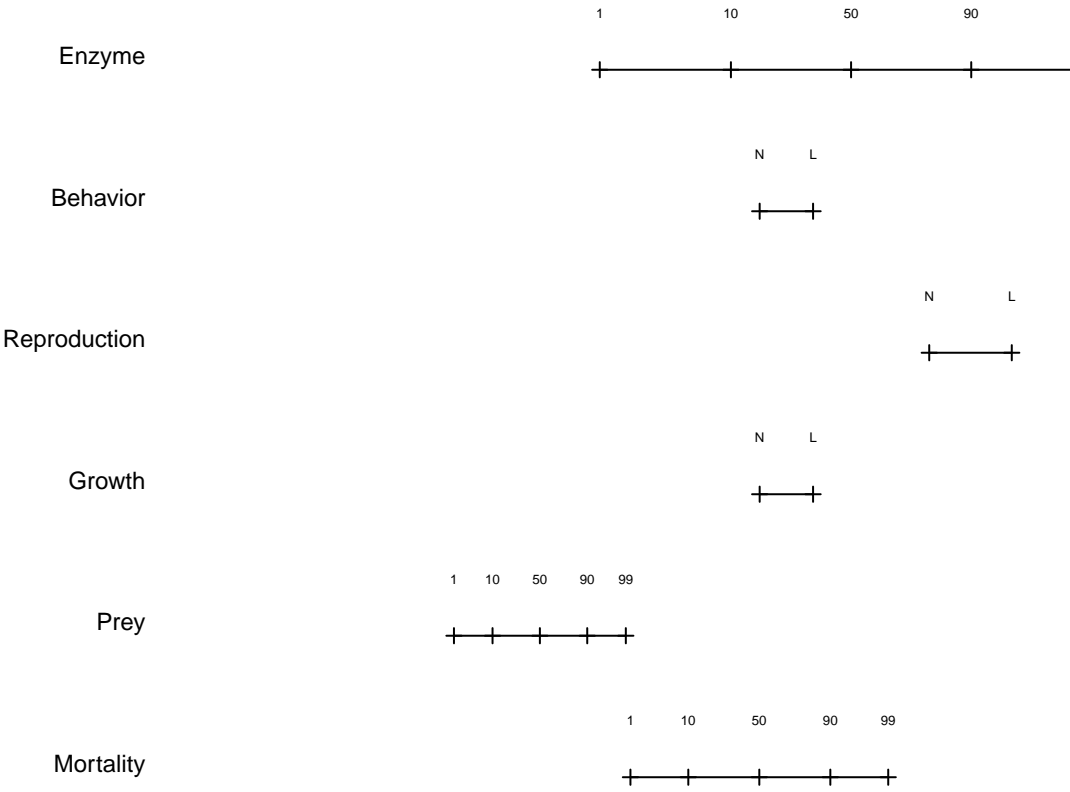
malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:5,6, bin:2
Palezone shiner (278) Range

Toxicities

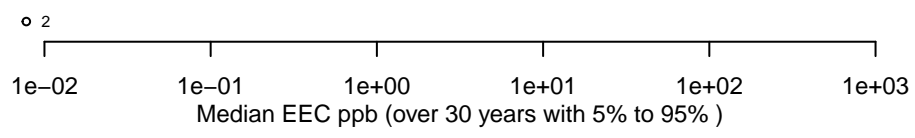
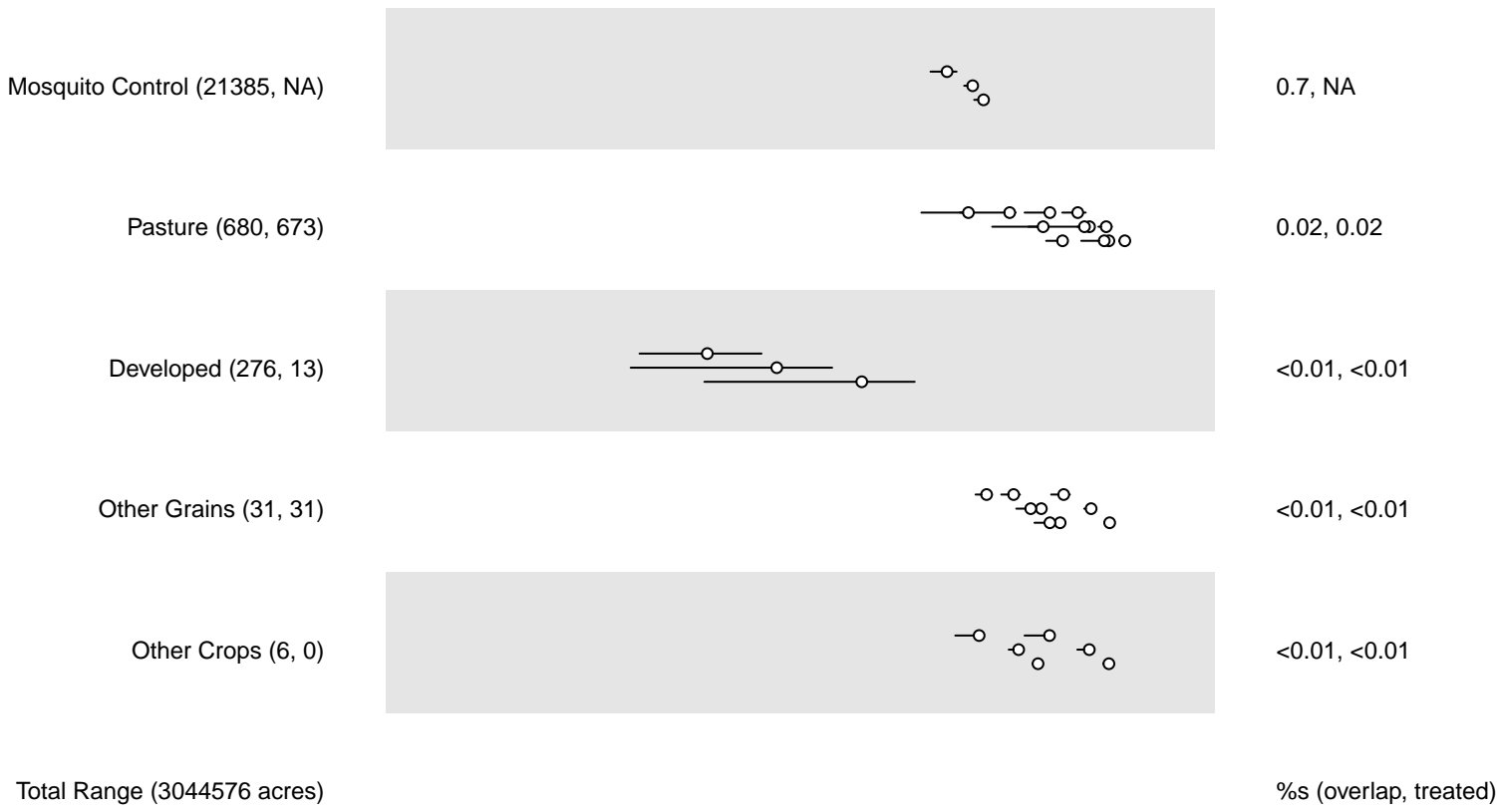
Uses



Toxicities

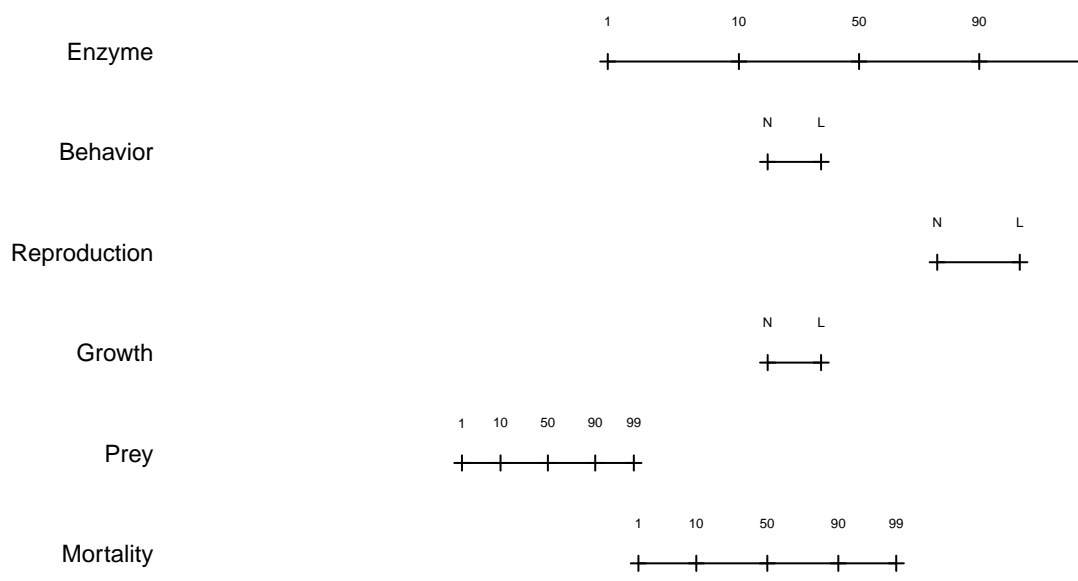


Uses

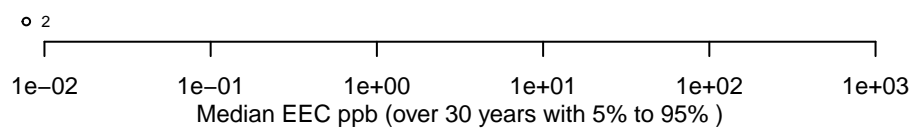
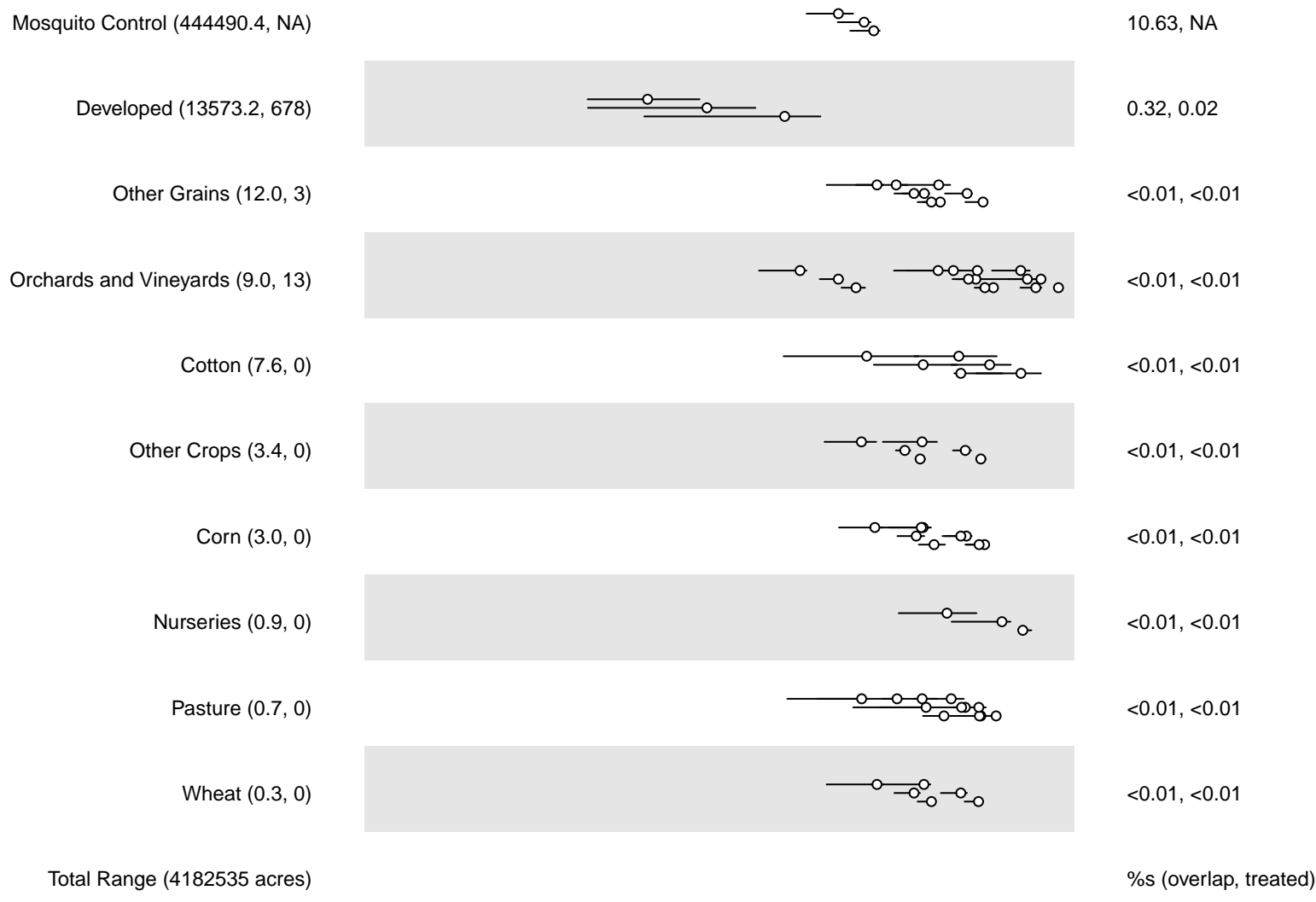


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:15b, bin:2
Big Spring spinedace (280) Range

Toxicities

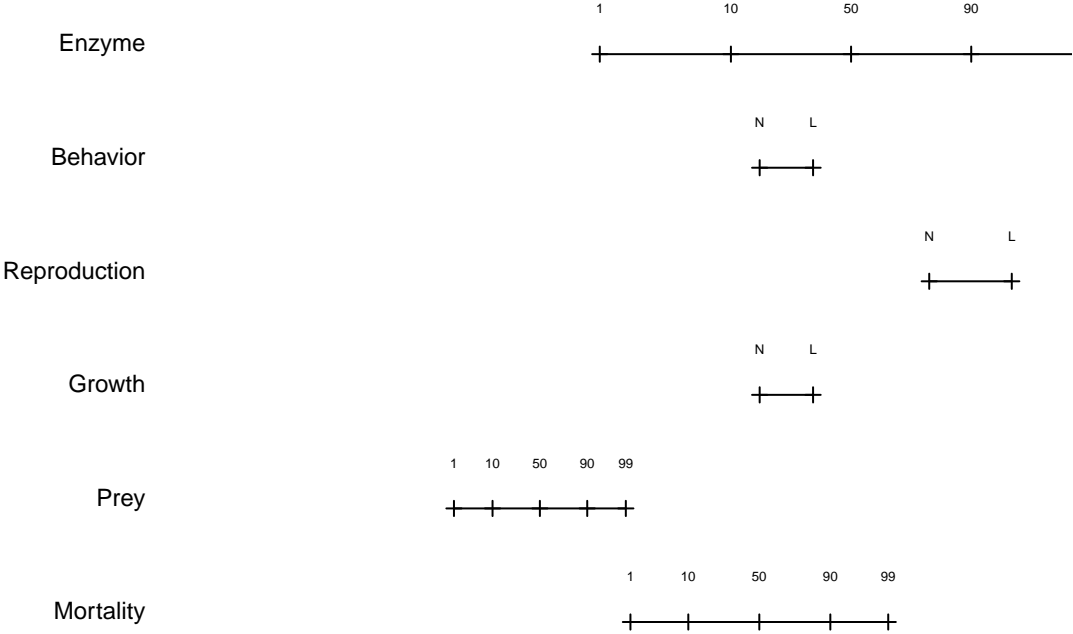


Uses

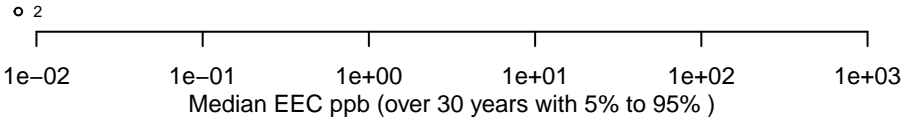
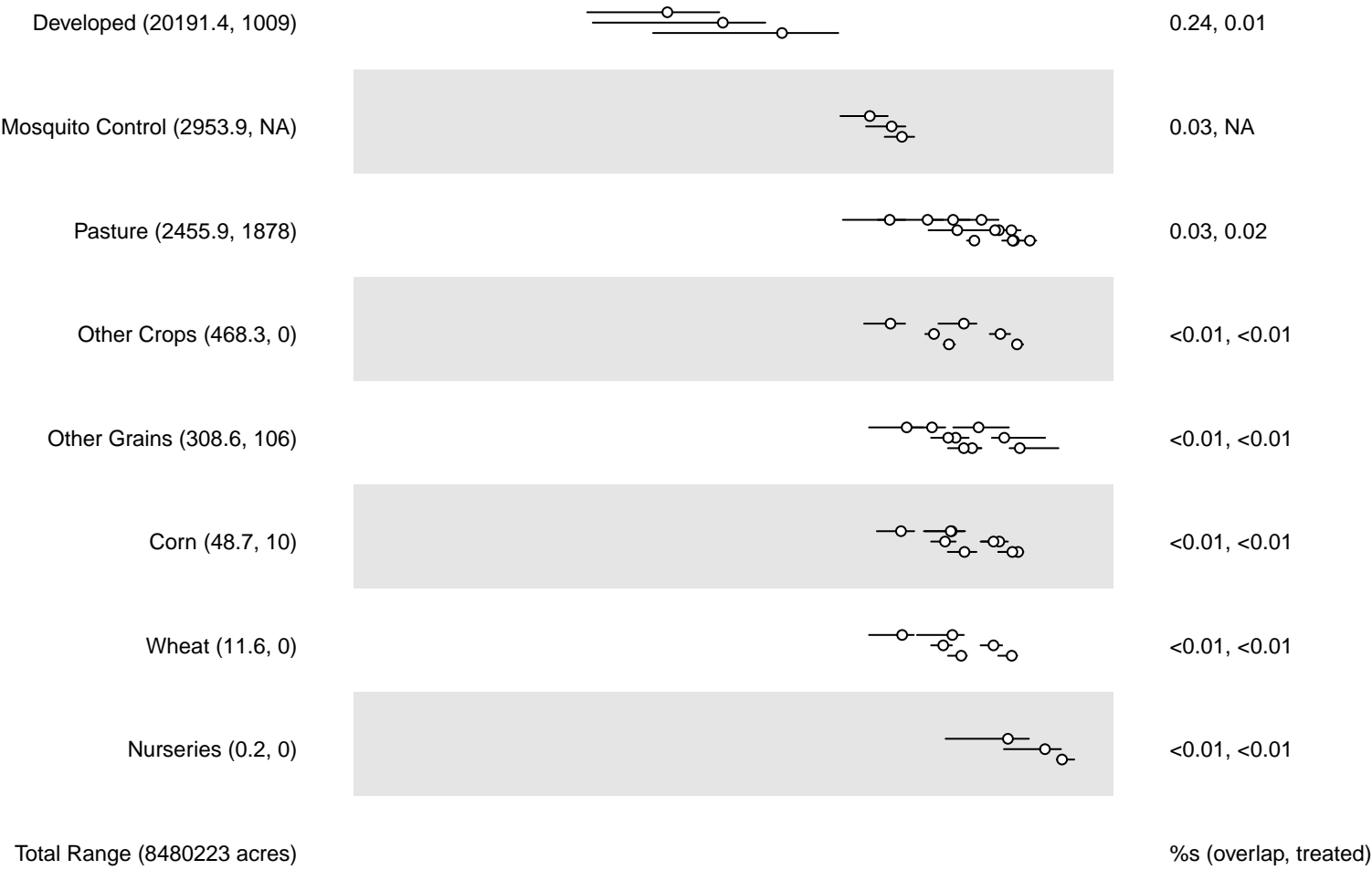


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:15a,15b, bin:2
Little Colorado spinedace (281) Range

Toxicities

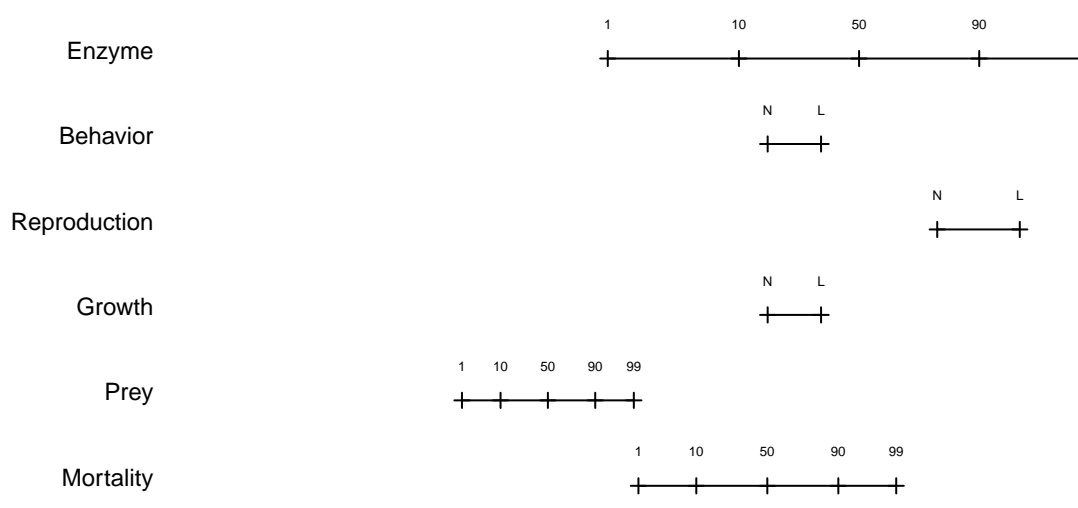


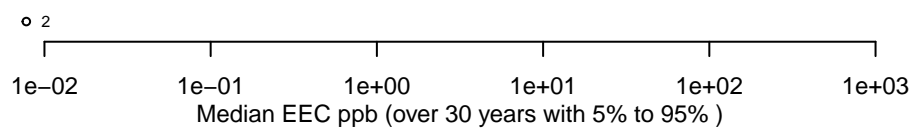
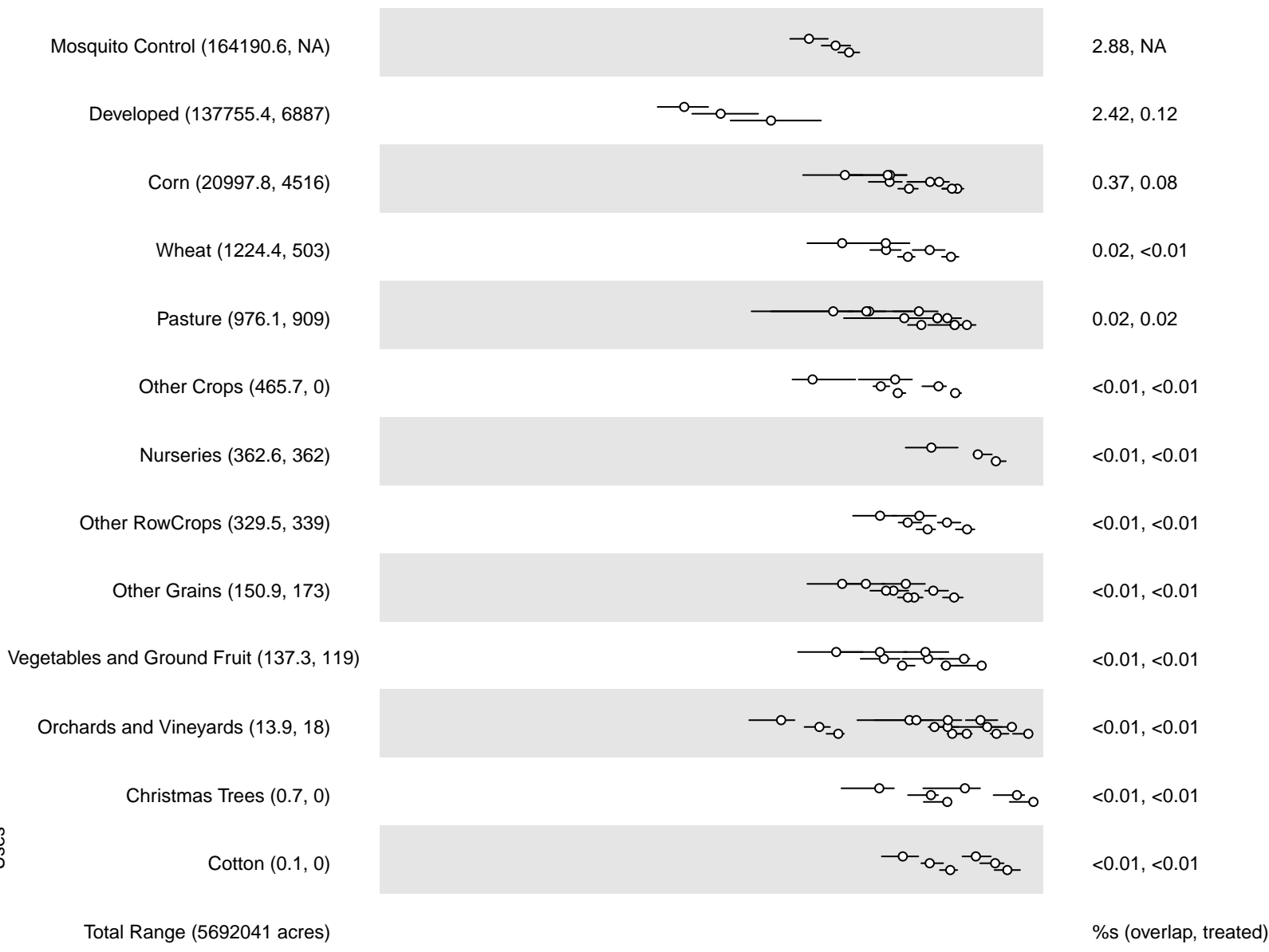
Uses



malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:15b,15a,16b,16a, bin:2
White River spinedace (282) Range

Toxicities

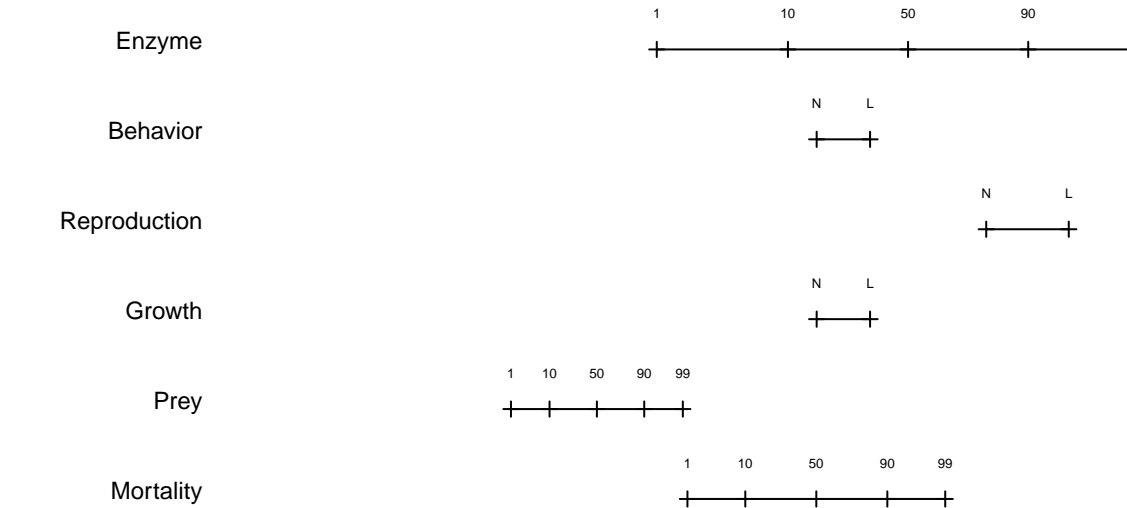


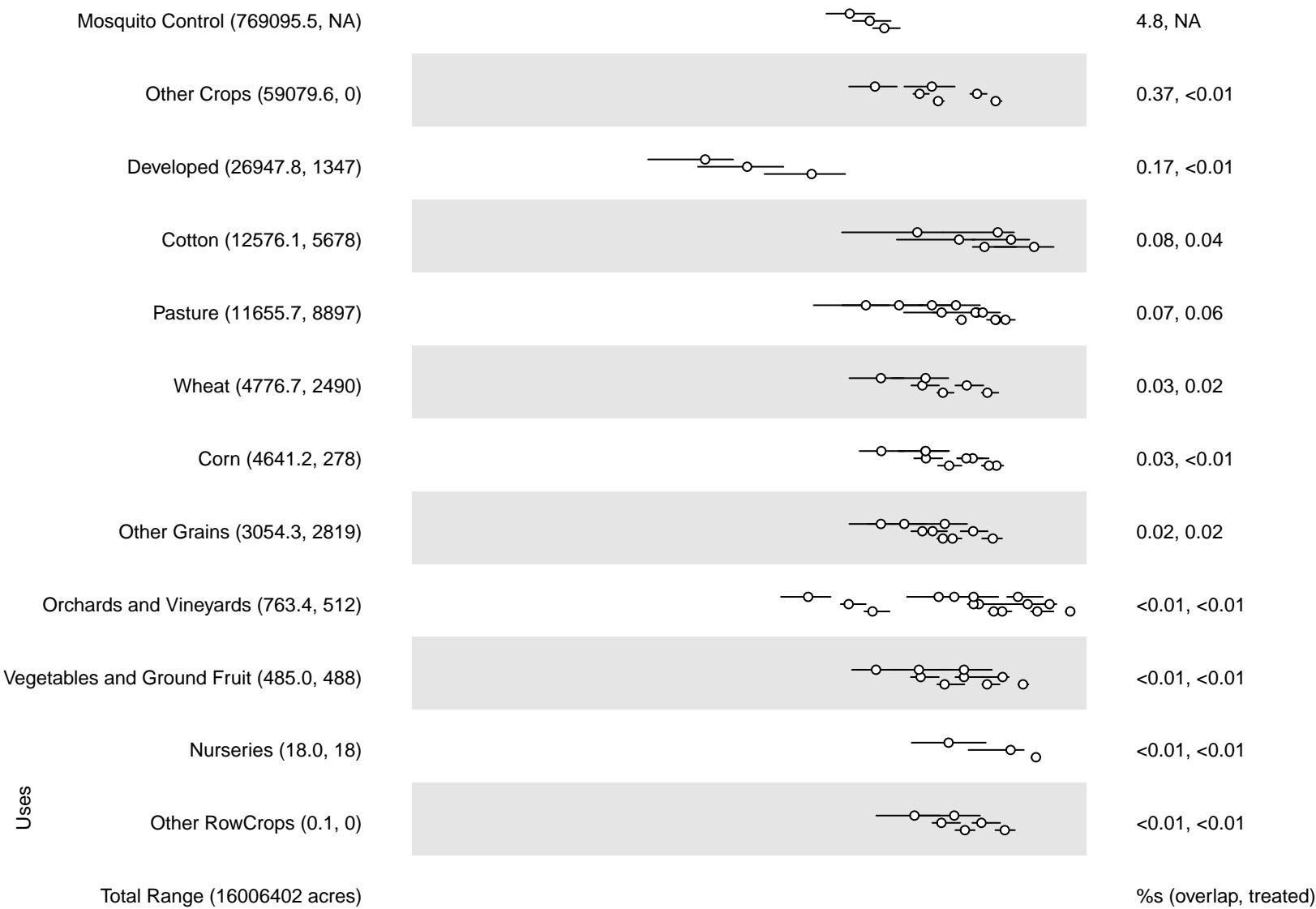


Uses

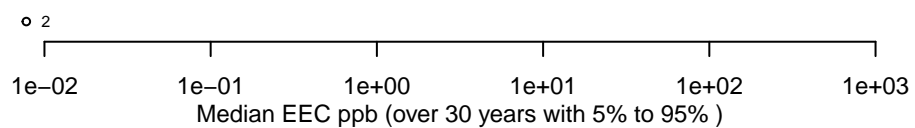
malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:5,6, bin:2
Blackside dace (295) Range

Toxicities





Uses



malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:13,15a,15b, bin:2
Spikedace (296) Range

Toxicities

Uses

Enzyme

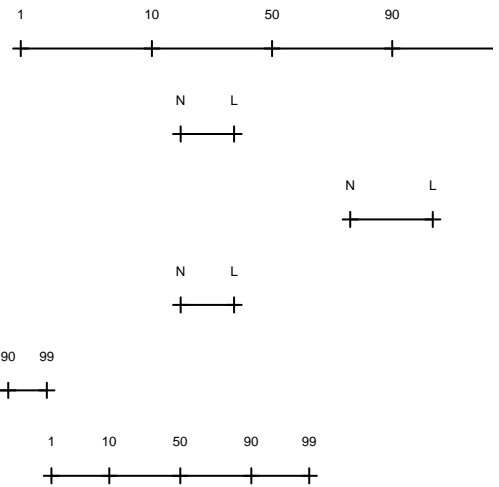
Behavior

Reproduction

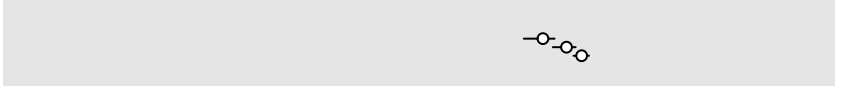
Growth

Prey

Mortality



Mosquito Control (4686247.8, 90766)



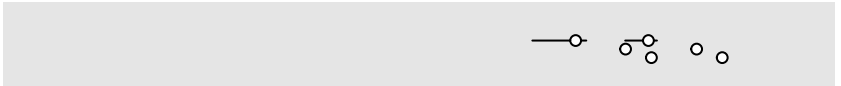
17.09, 0.33

Wheat (4101612.3, 586436)



14.96, 2.14

Other Crops (1075907.8, 0)



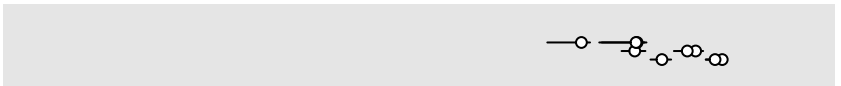
3.92, <0.01

Other Grains (1015522.9, 204467)



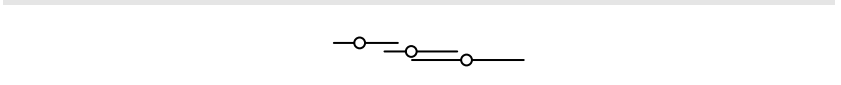
3.7, 0.75

Corn (915156.9, 17321)



3.34, 0.06

Developed (334980.9, 16749)



1.22, 0.06

Pasture (181751.9, 24867)



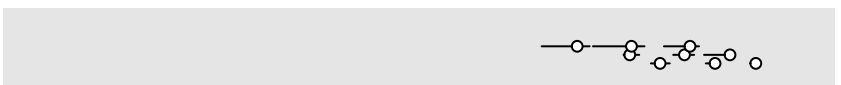
0.66, 0.09

Cotton (139478.8, 87698)



0.51, 0.32

Vegetables and Ground Fruit (11638.2, 3473)



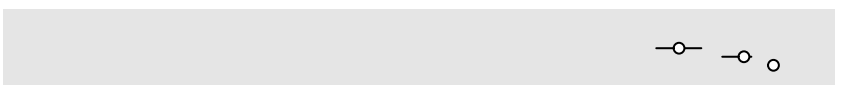
0.04, 0.01

Other RowCrops (6367.7, 2343)



0.02, <0.01

Nurseries (2011.8, 2011)



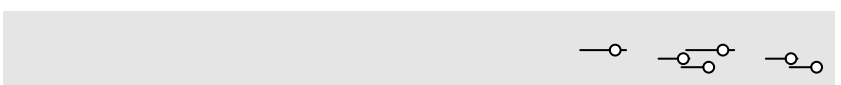
<0.01, <0.01

Orchards and Vineyards (264.4, 108)



<0.01, <0.01

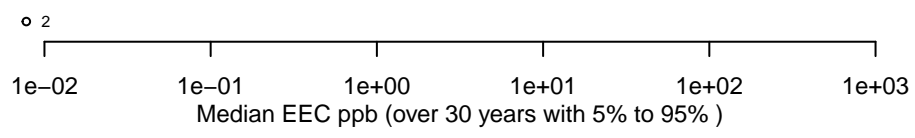
Christmas Trees (0.1, 0)



<0.01, <0.01

Total Range (27413247 acres)

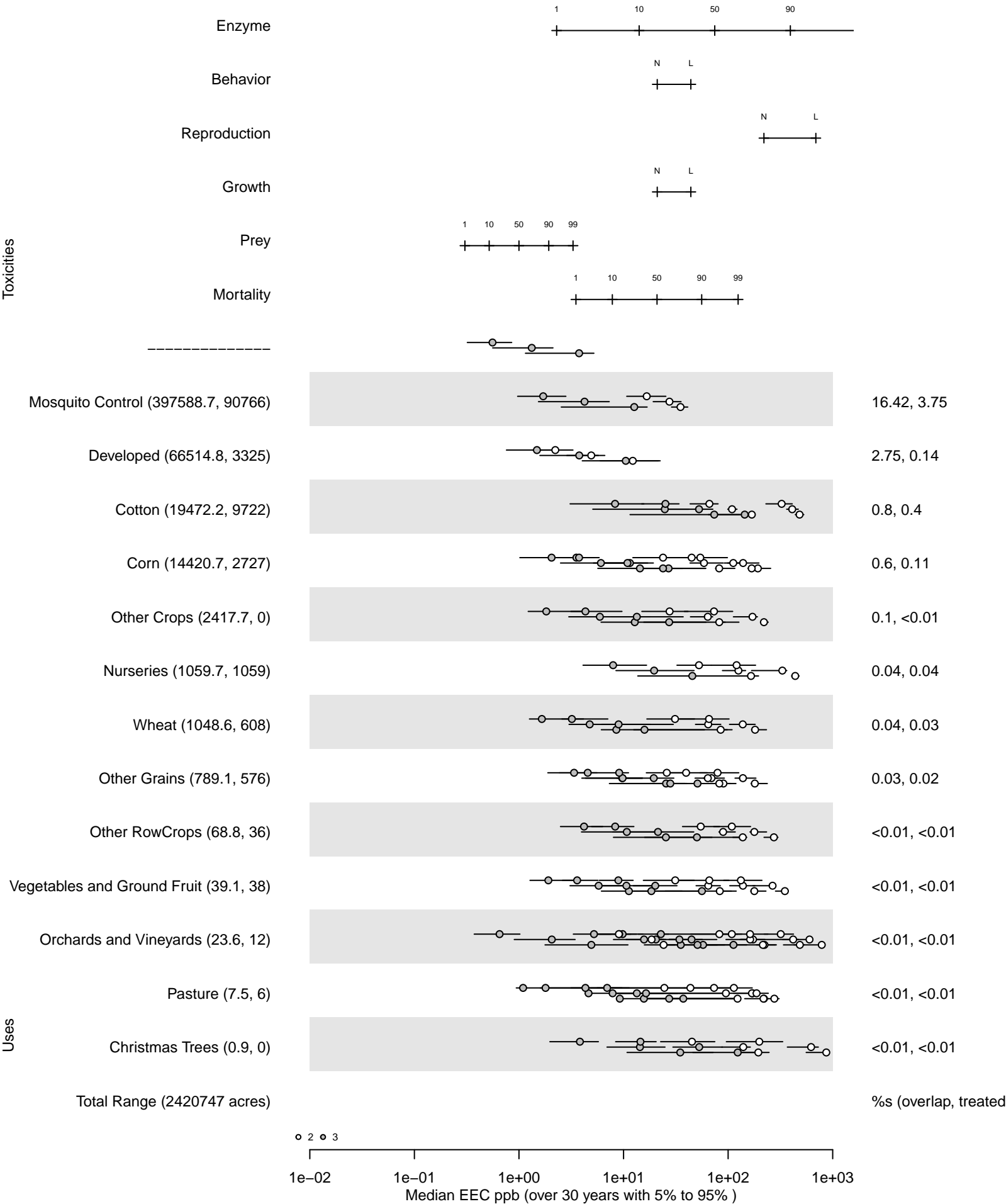
%s (overlap, treated)



malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:11b,11a,13, bin:2
Arkansas River shiner (299) Range

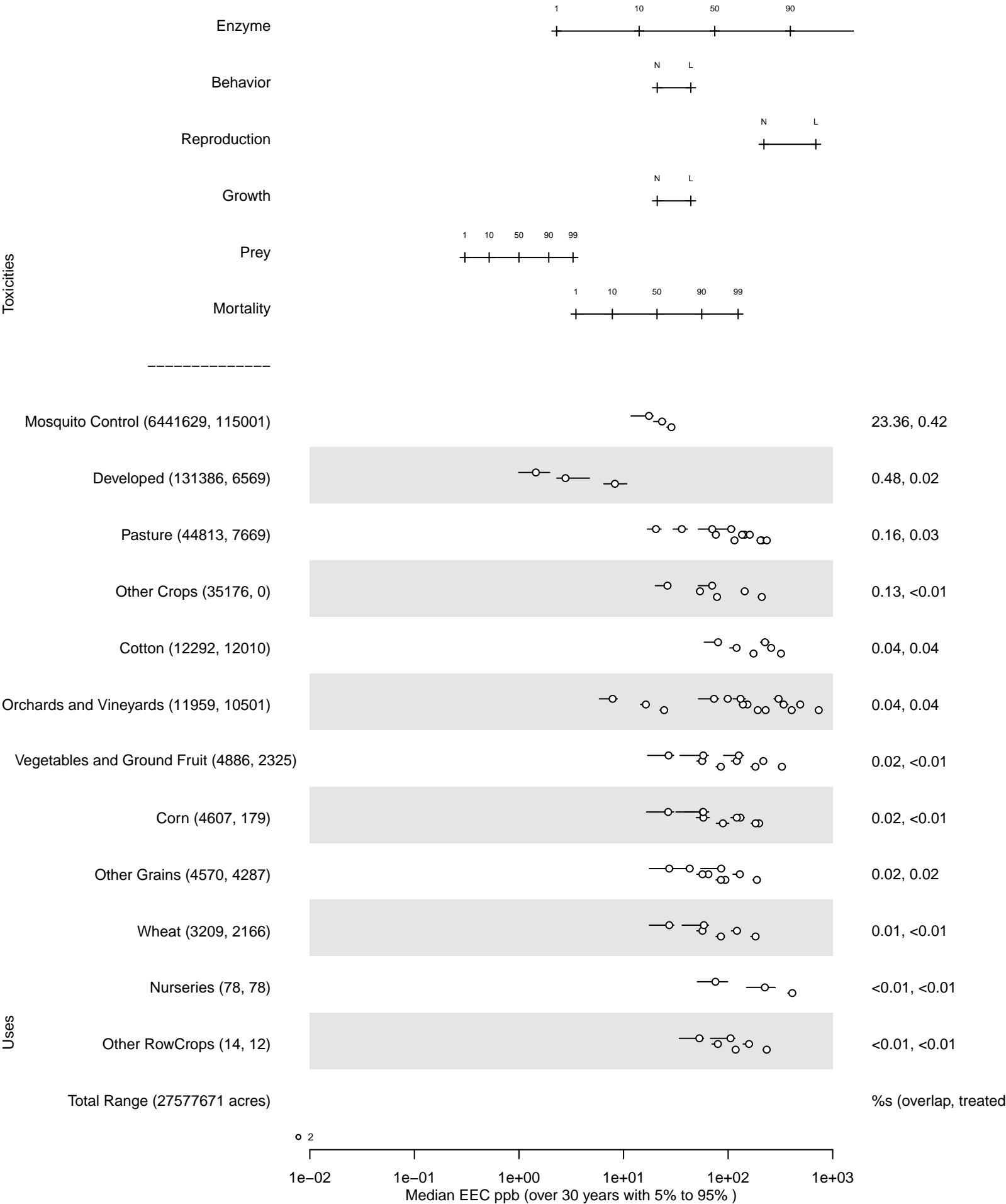
Toxicities

Uses



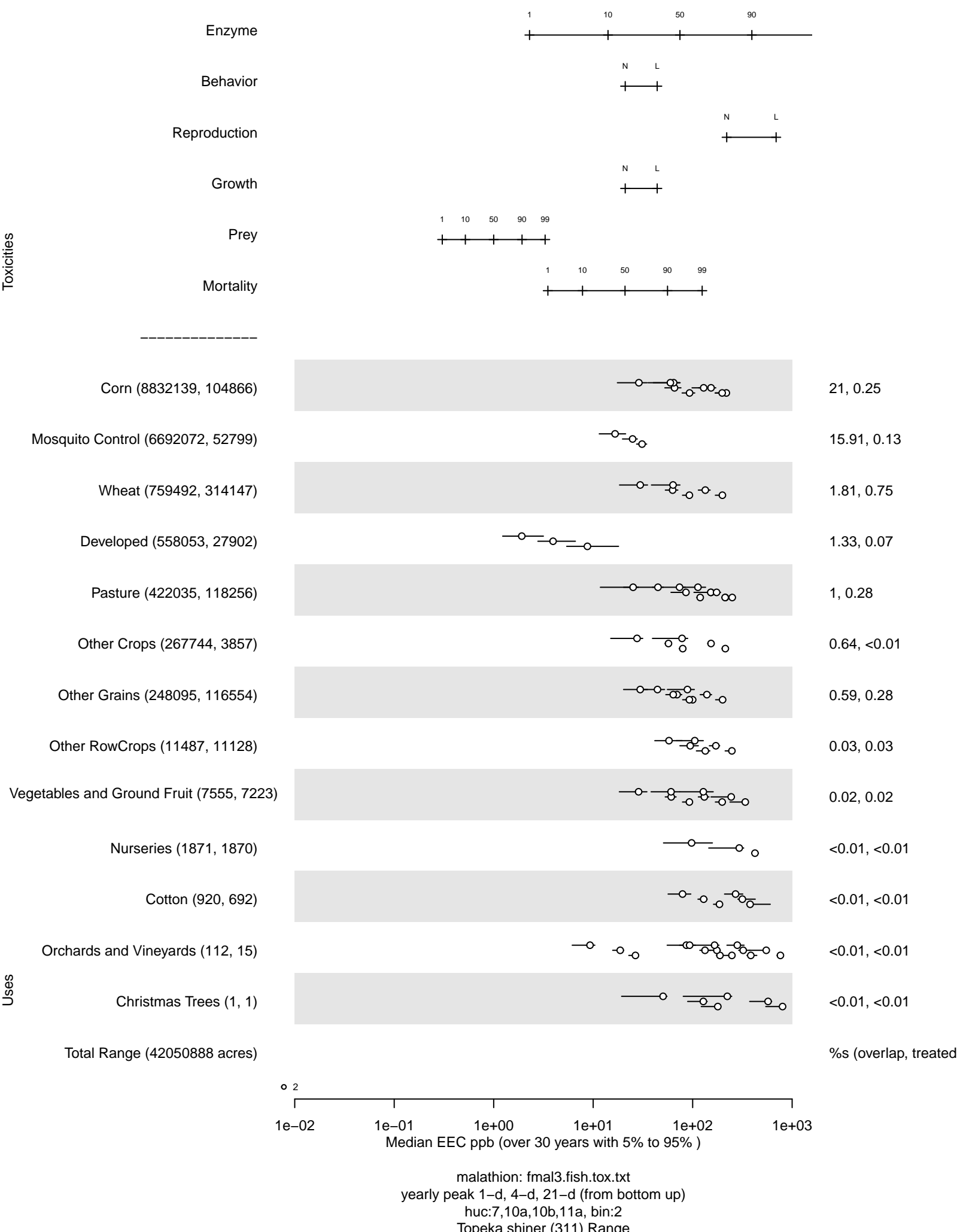
Toxicities

Uses

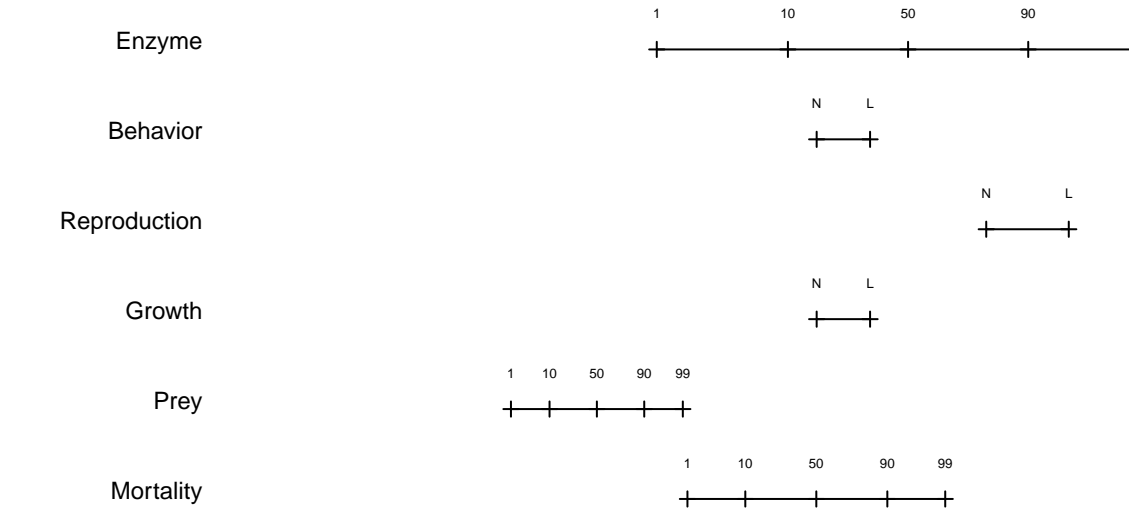


Toxicities

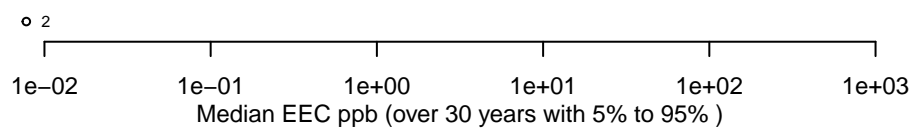
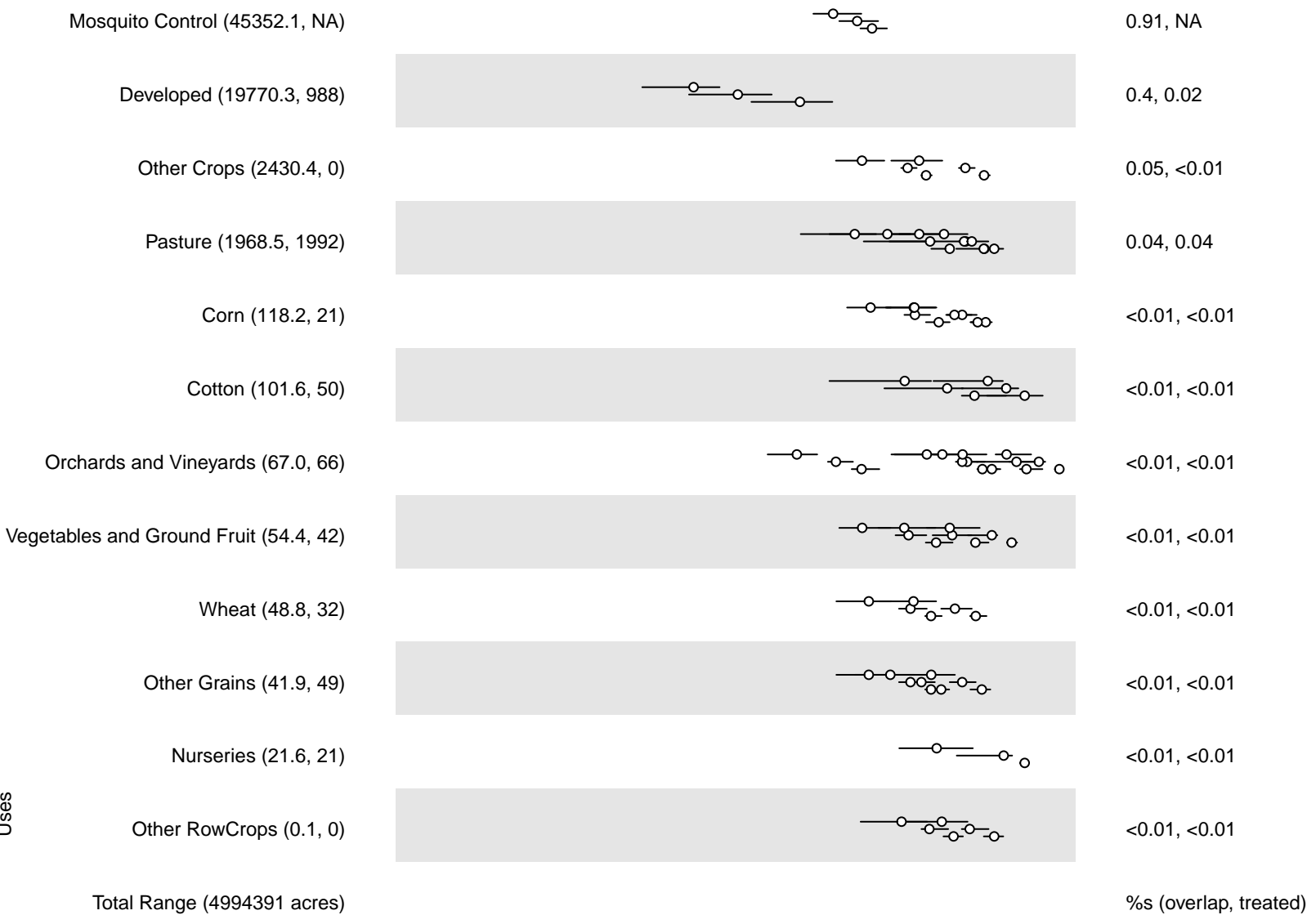
Uses



Toxicities



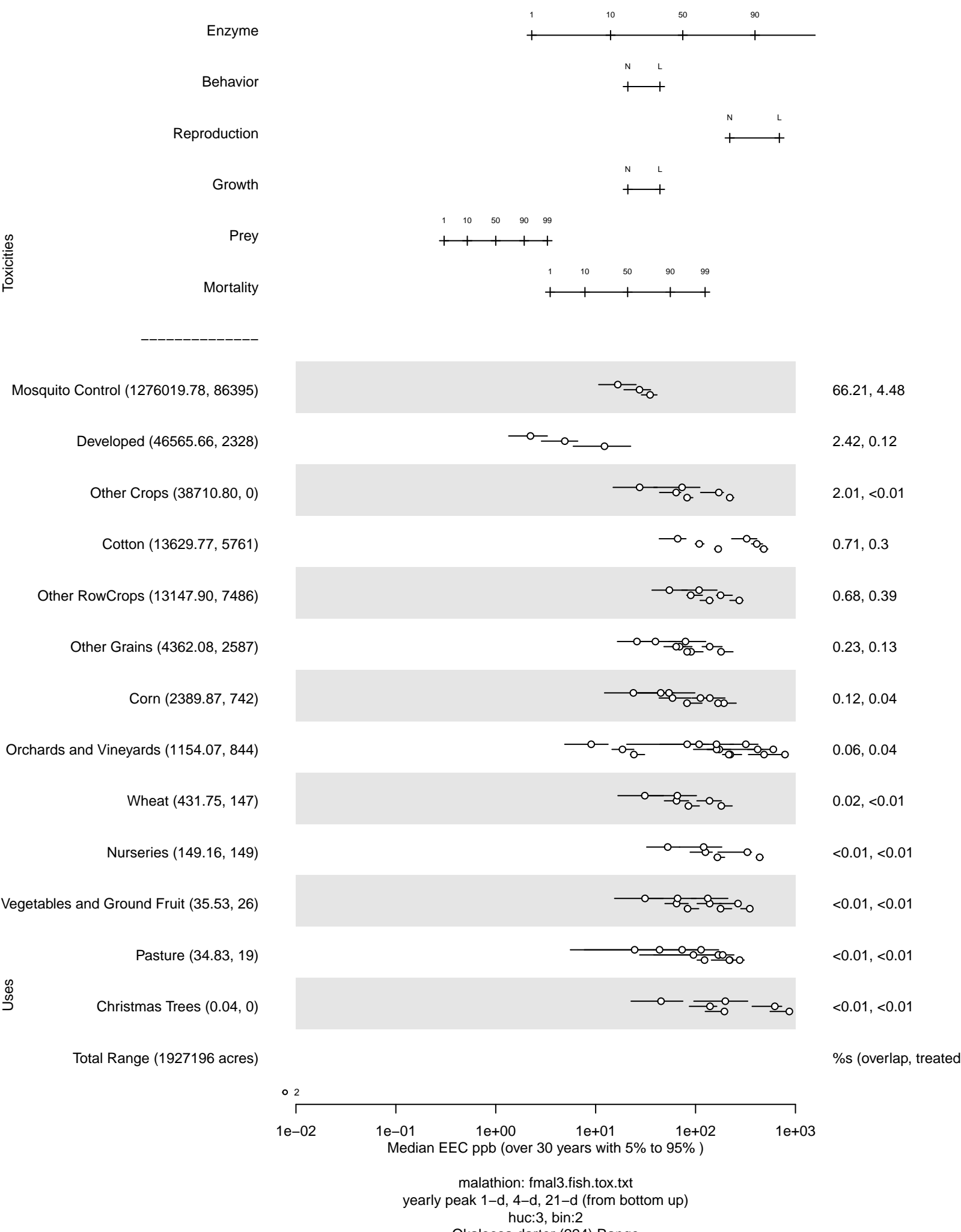
Uses



malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:13,15a,15b, bin:2
Gila chub (6297) Range

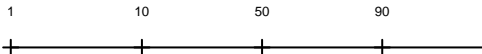
Toxicities

Uses



Toxicities

Enzyme



Behavior



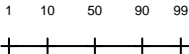
Reproduction



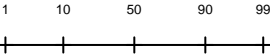
Growth

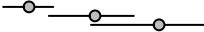


Prey

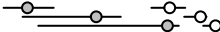


Mortality



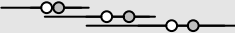


Mosquito Control (69039, NA)



5.57, NA

Developed (48925, 2446)



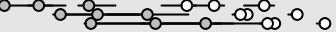
3.94, 0.2

Corn (22042, 4101)



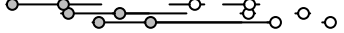
1.78, 0.33

Other Grains (21878, 22625)



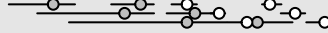
1.76, 1.82

Wheat (9169, 9811)



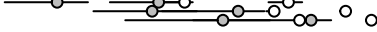
0.74, 0.79

Cotton (5779, 5573)



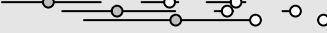
0.47, 0.45

Other Crops (2921, 0)



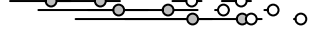
0.24, <0.01

Nurseries (290, 289)



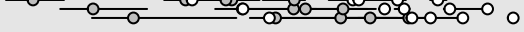
0.02, 0.02

Other RowCrops (113, 123)



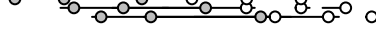
<0.01, <0.01

Orchards and Vineyards (98, 45)



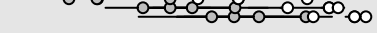
<0.01, <0.01

Vegetables and Ground Fruit (9, 8)



<0.01, <0.01

Pasture (2, 3)

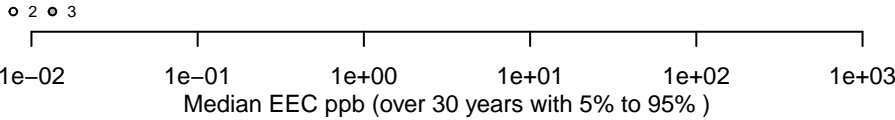


<0.01, <0.01

Total Range (1240347 acres)

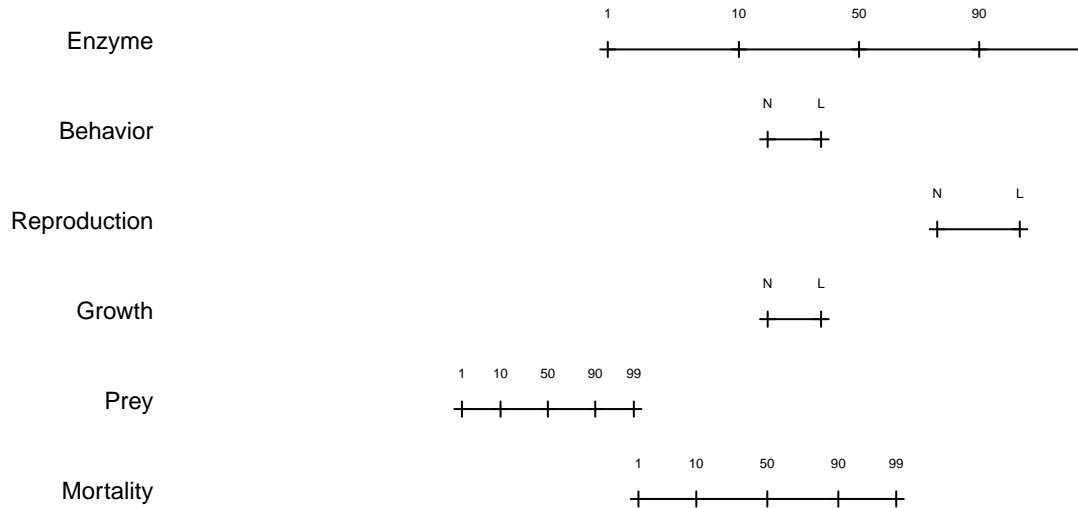
%s (overlap, treated)

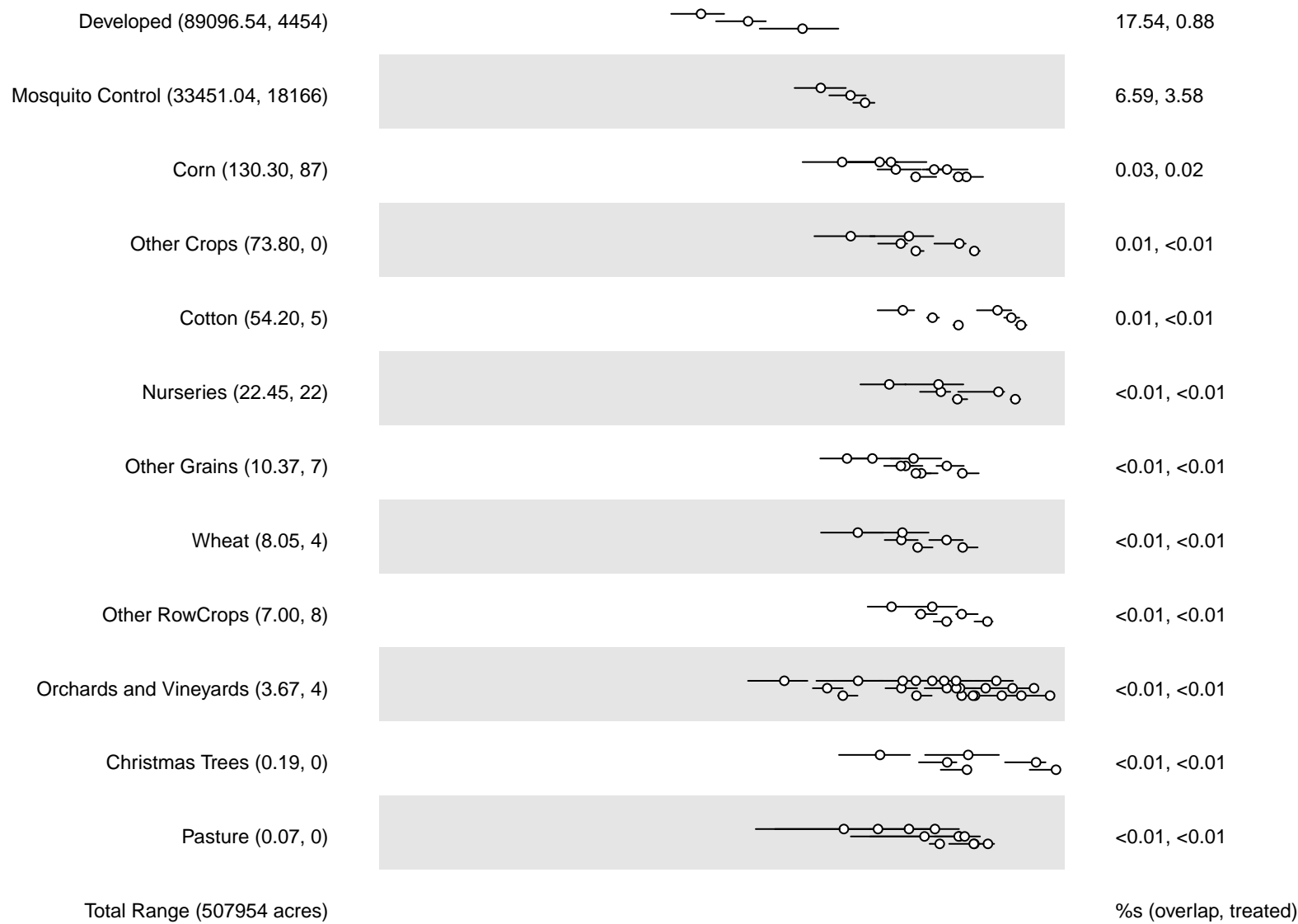
Uses



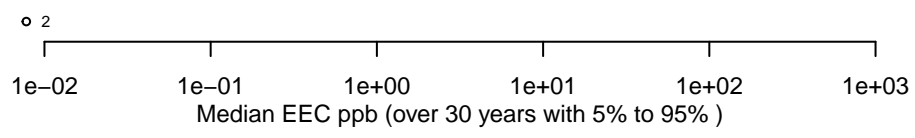
malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:12a, bin:2,3
Fountain darter (228) Range

Toxicities





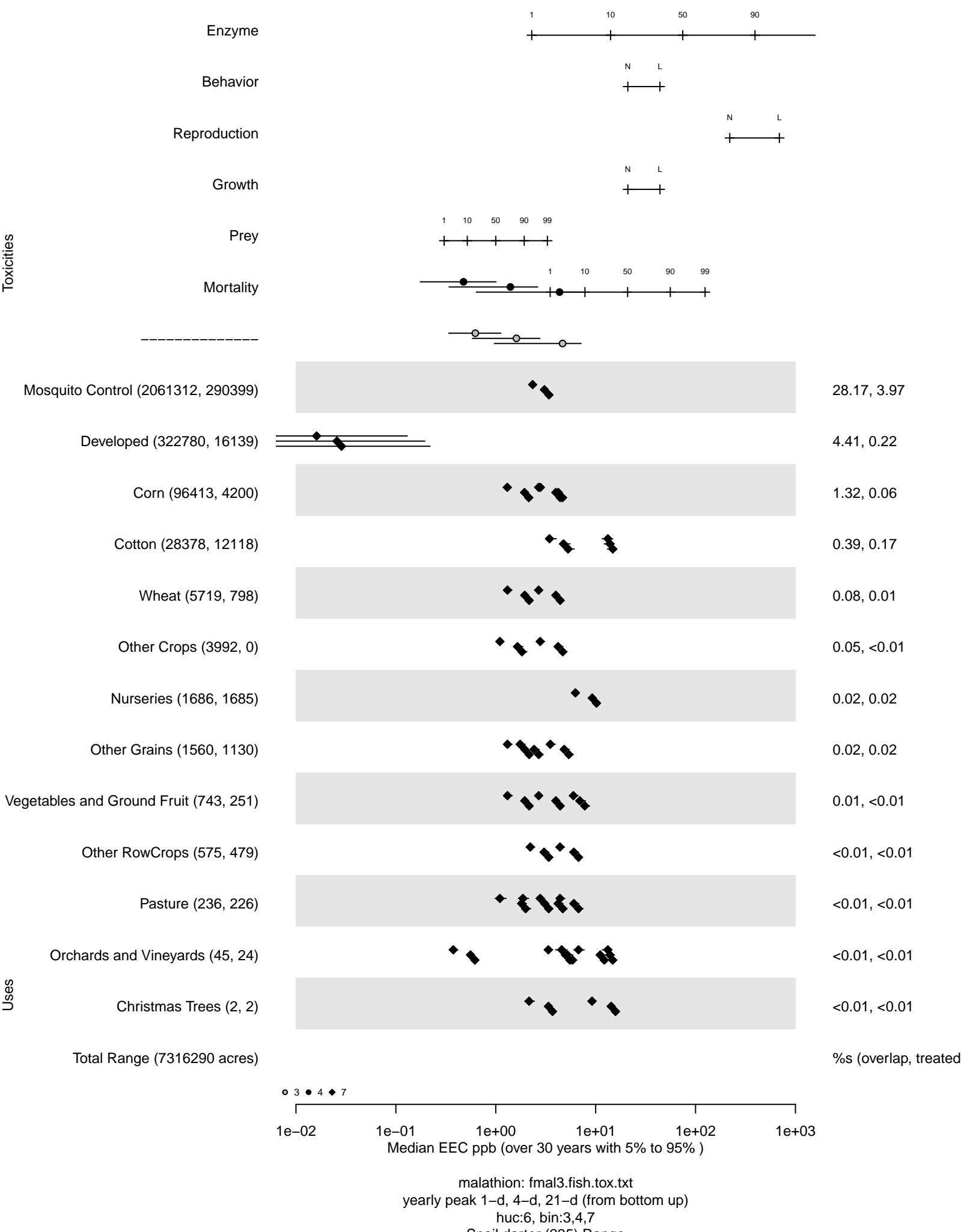
Uses



malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:3, bin:2
Watercress darter (229) Range

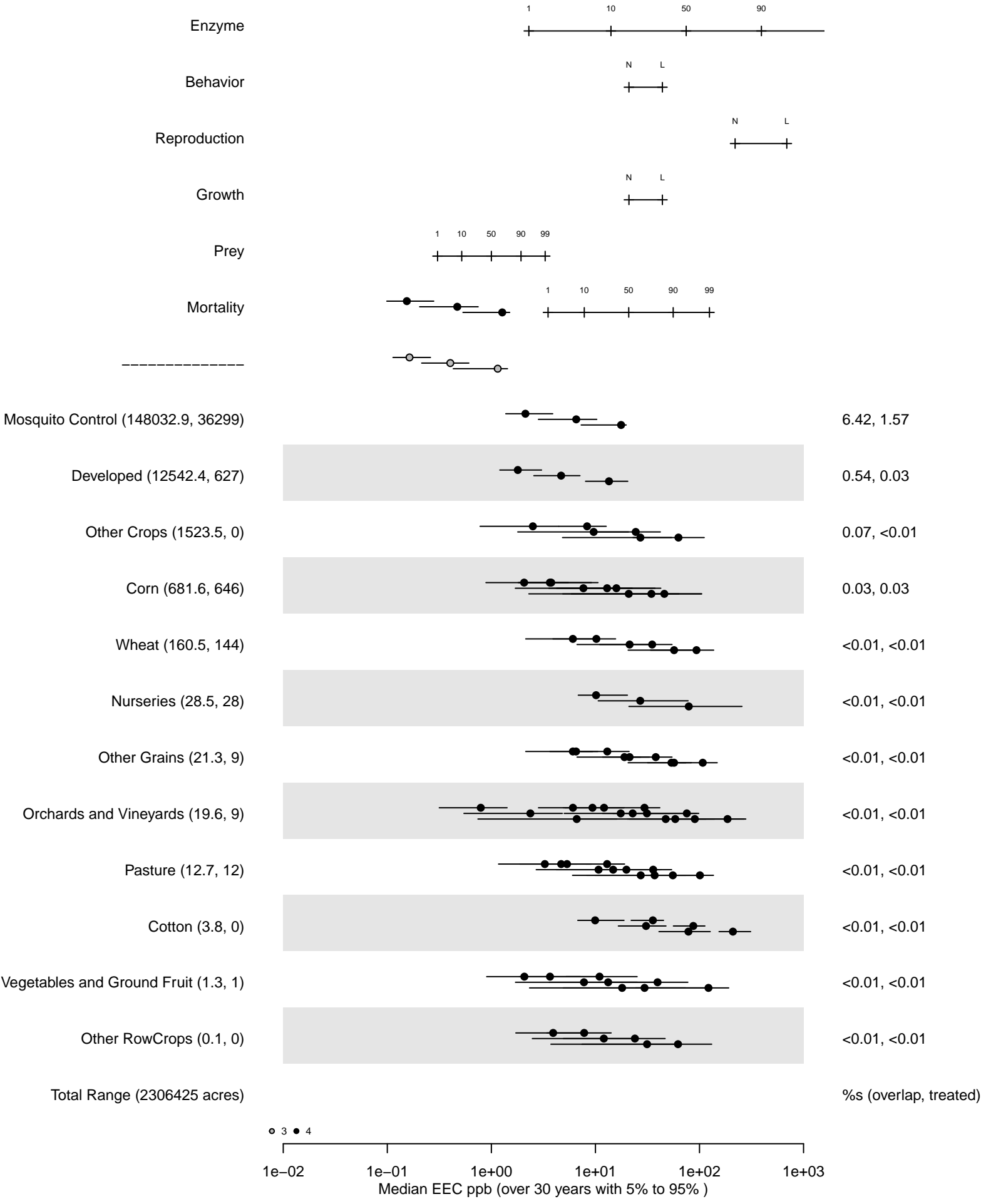
Toxicities

Uses



Toxicities

Uses

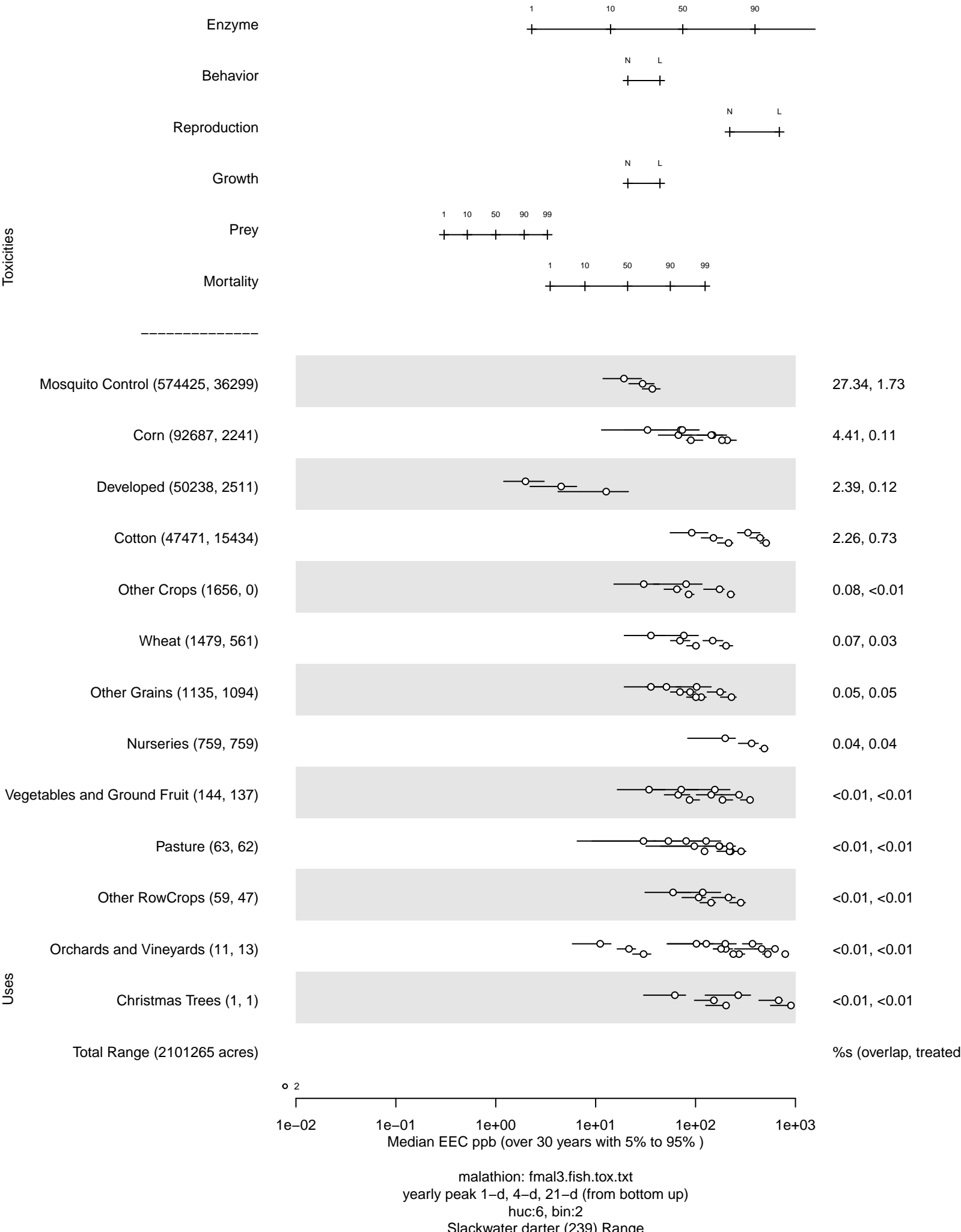


Median EEC ppb (over 30 years with 5% to 95%)

malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:11a, bin:3,4
Leopard darter (238) Range

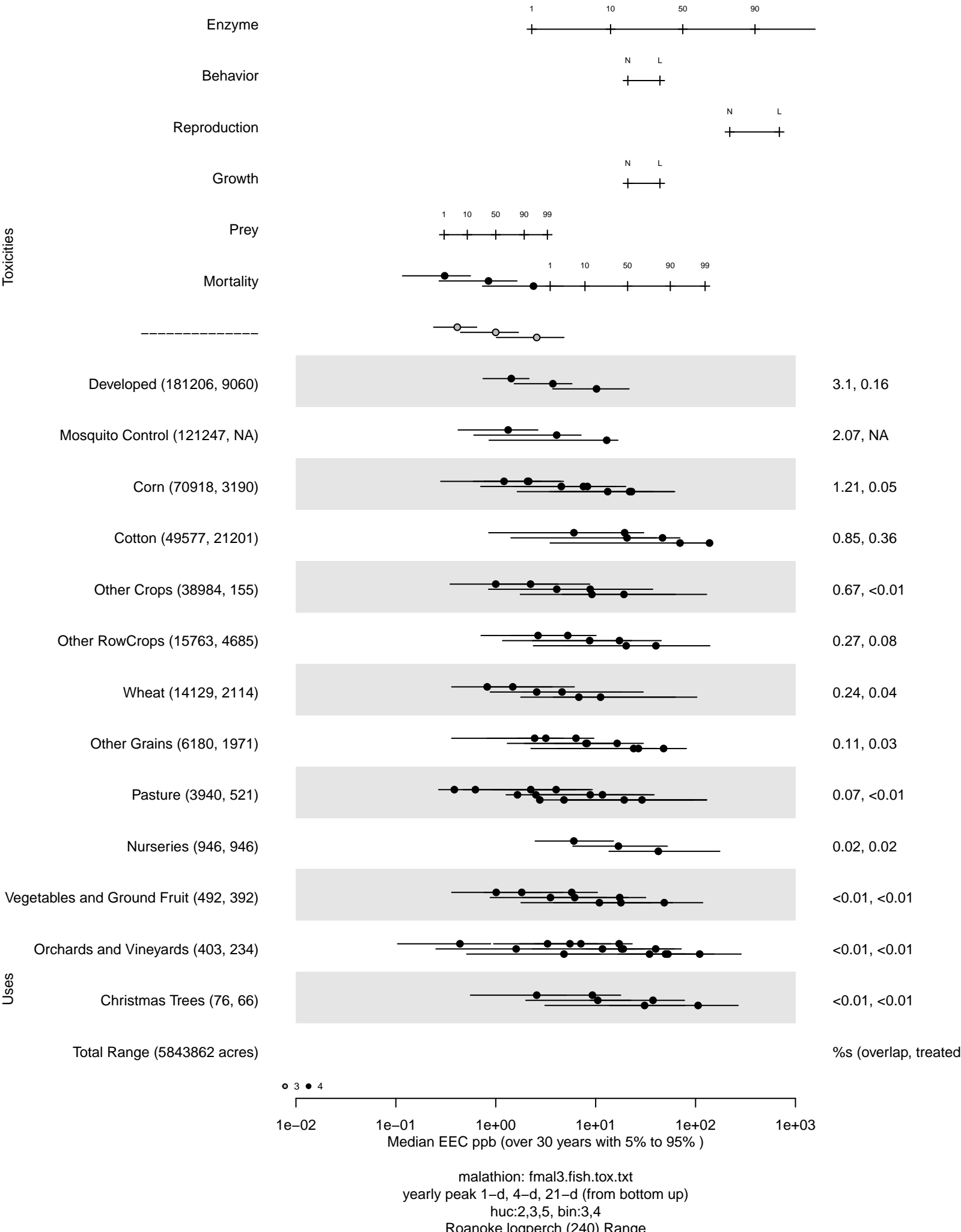
Toxicities

Uses

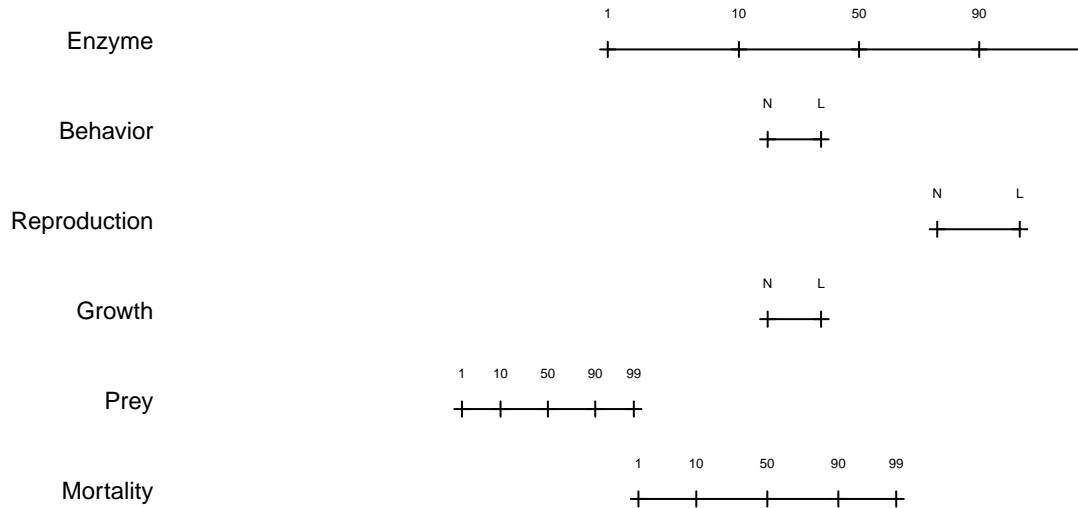


Toxicities

Uses



Toxicities

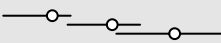


Mosquito Control (810061, 81463)



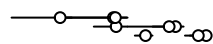
38.31, 3.85

Developed (64167, 3208)



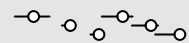
3.03, 0.15

Corn (17452, 2348)



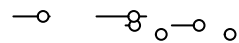
0.83, 0.11

Cotton (8525, 8726)



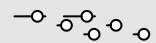
0.4, 0.41

Other Crops (4194, 0)



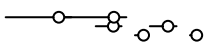
0.2, <0.01

Other RowCrops (1871, 683)



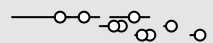
0.09, 0.03

Wheat (972, 558)



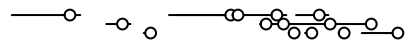
0.05, 0.03

Other Grains (476, 425)



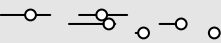
0.02, 0.02

Orchards and Vineyards (282, 25)



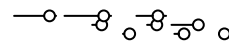
0.01, <0.01

Nurseries (84, 84)



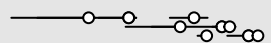
<0.01, <0.01

Vegetables and Ground Fruit (49, 47)



<0.01, <0.01

Pasture (6, 10)

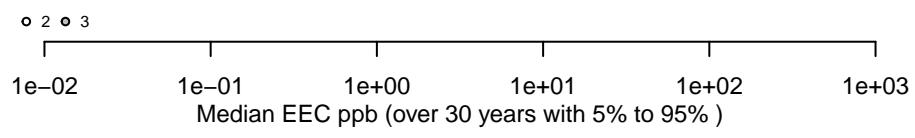


<0.01, <0.01

Total Range (2114696 acres)

%s (overlap, treated)

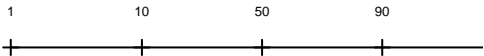
Uses



malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:8, bin:2,3
Bayou darter (244) Range

Toxicities

Enzyme



Behavior



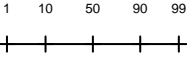
Reproduction



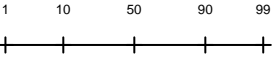
Growth

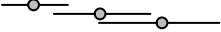


Prey

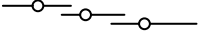


Mortality





Developed (125160.16, 6258)



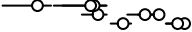
2.02, 0.1

Mosquito Control (84254.37, 23100)



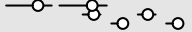
1.36, 0.37

Corn (83069.84, 6145)



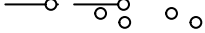
1.34, 0.1

Wheat (10641.84, 3603)



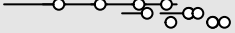
0.17, 0.06

Other Crops (7822.66, 237)



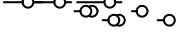
0.13, <0.01

Pasture (4647.33, 612)



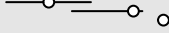
0.07, <0.01

Other Grains (1670.62, 1013)



0.03, 0.02

Nurseries (356.35, 356)



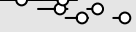
<0.01, <0.01

Orchards and Vineyards (85.70, 22)



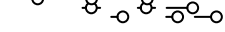
<0.01, <0.01

Other RowCrops (24.93, 15)



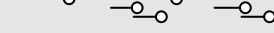
<0.01, <0.01

Vegetables and Ground Fruit (3.30, 3)



<0.01, <0.01

Christmas Trees (0.04, 0)

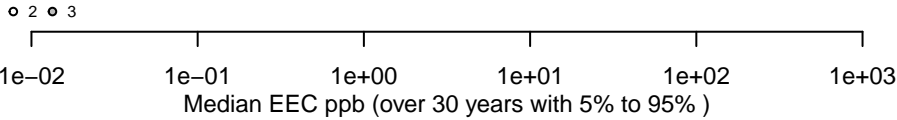


<0.01, <0.01

Total Range (6203435 acres)

%s (overlap, treated)

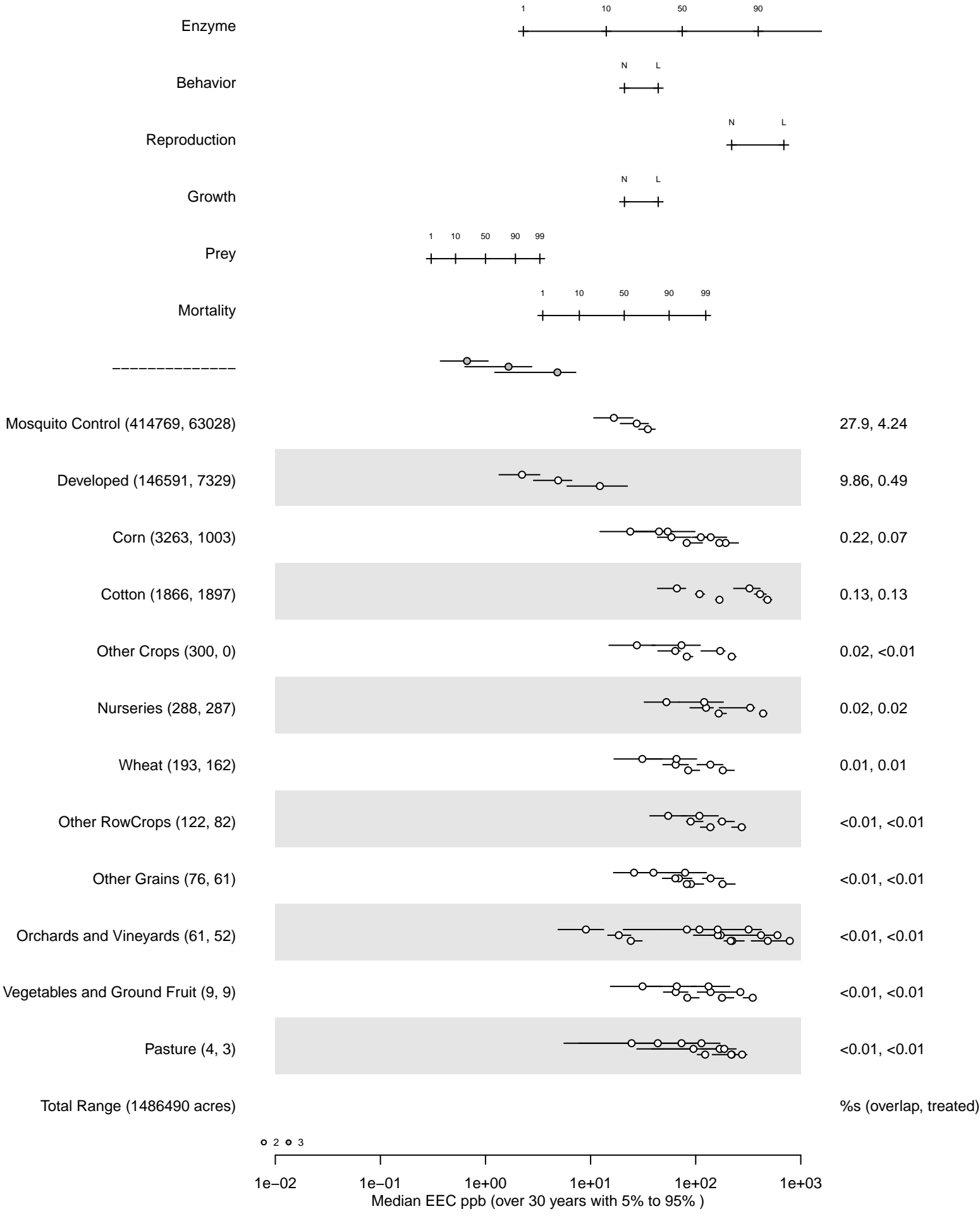
Uses



malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:7,10a,11a, bin:2,3
Niangua darter (257) Range

Toxicities

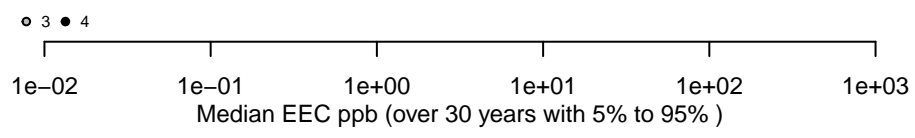
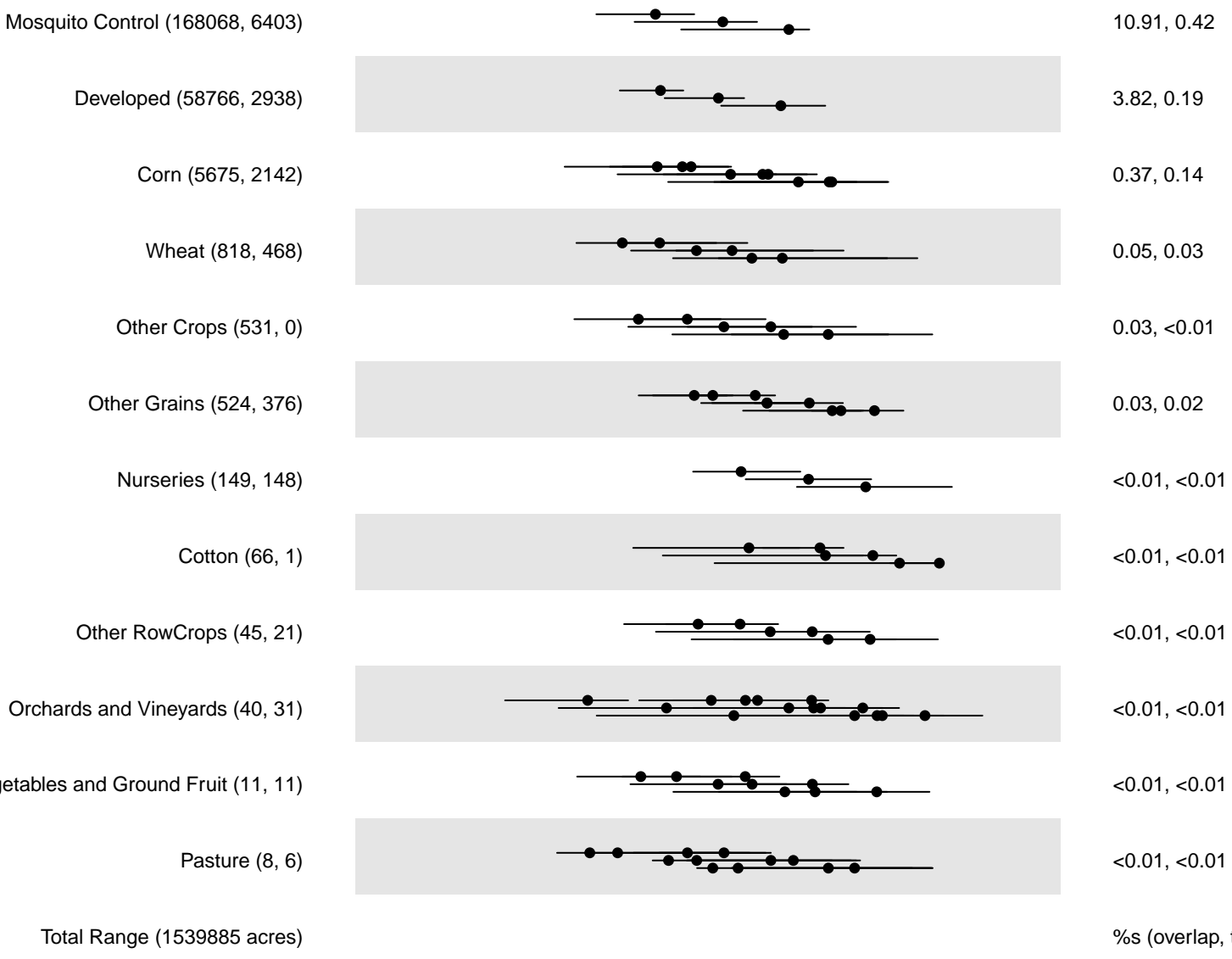
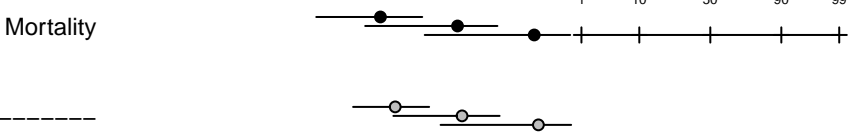
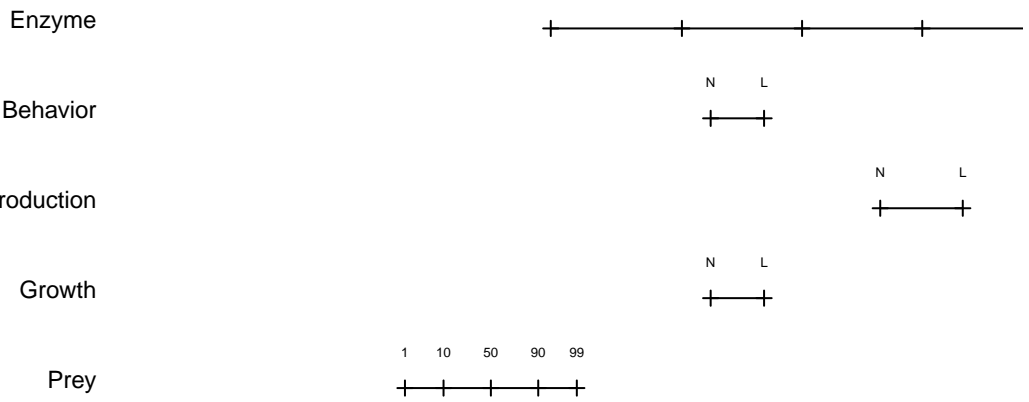
Uses



malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:3, bin:2,3
Cherokee darter (269) Range

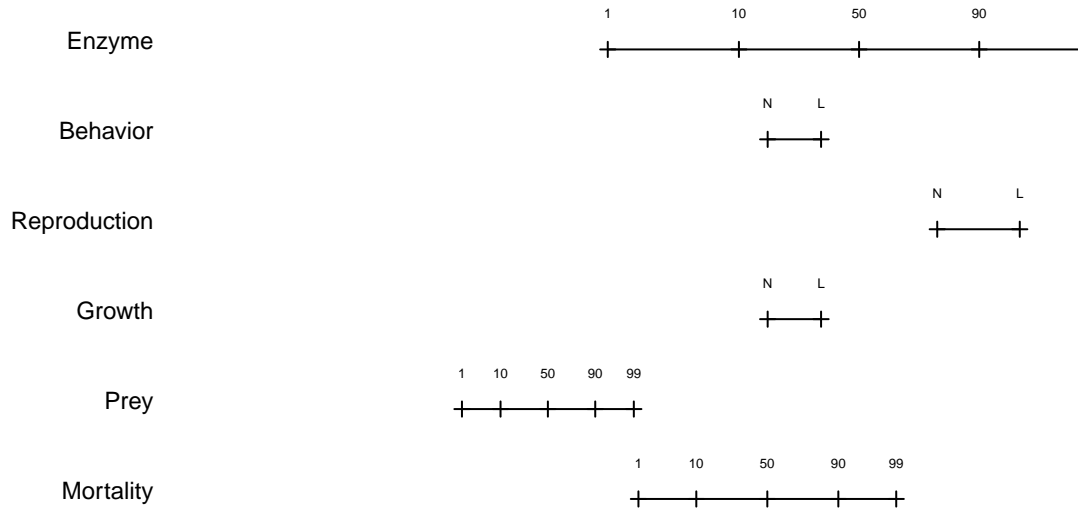
Toxicities

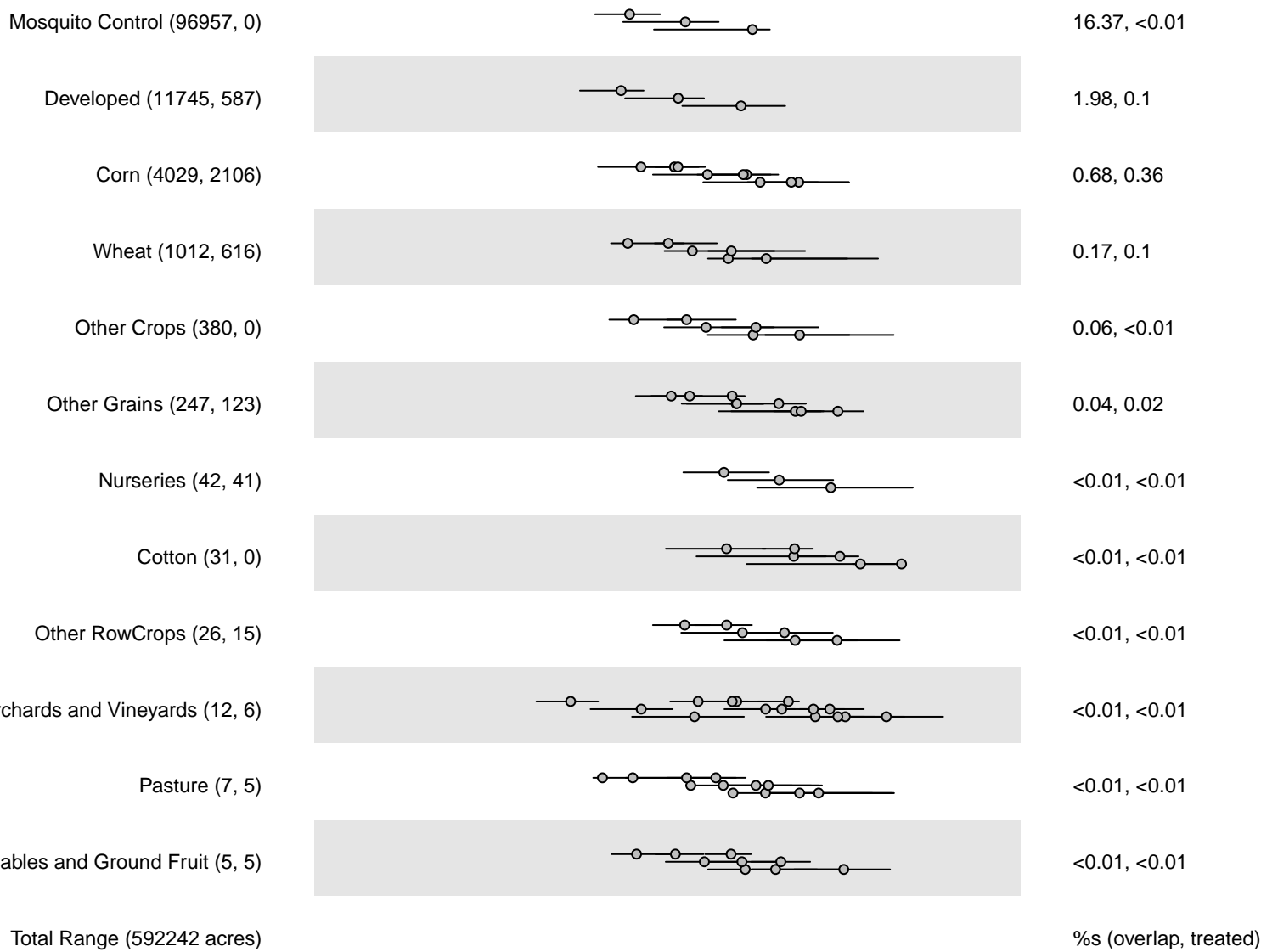
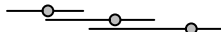
Uses



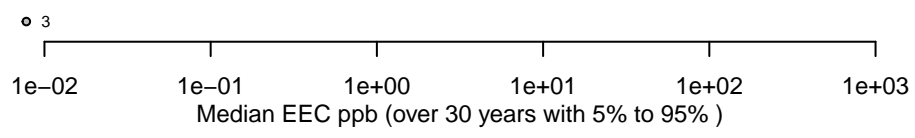
malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:3, bin:3,4
Amber darter (293) Range

Toxicities



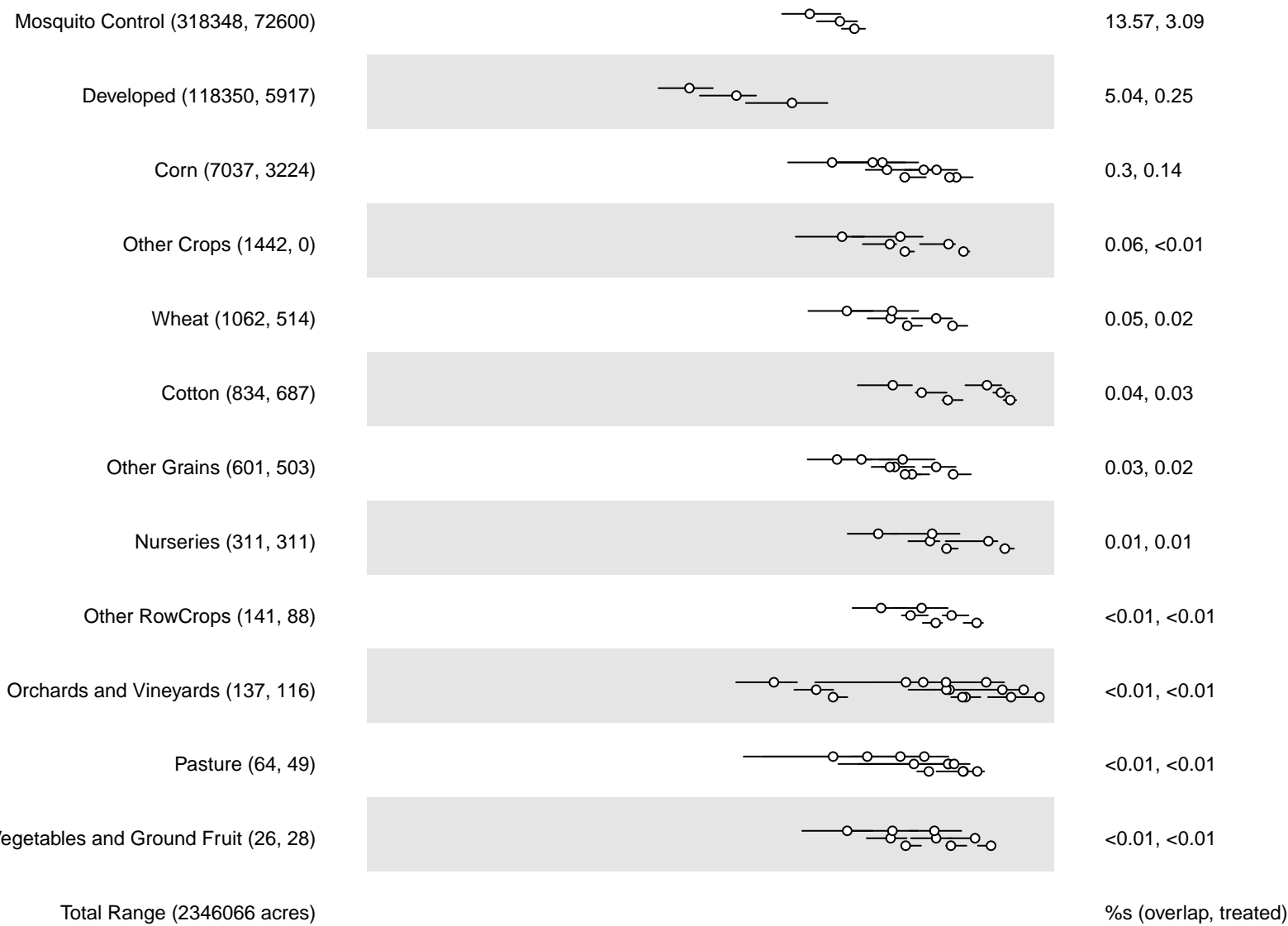
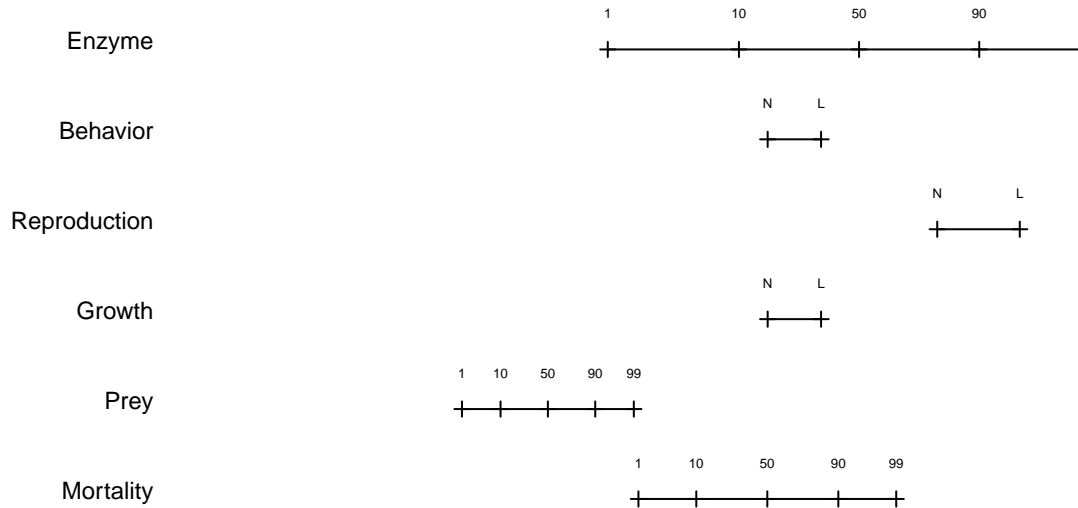


Uses

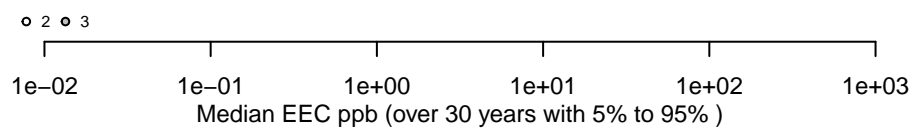


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:3, bin:3
Conasauga logperch (294) Range

Toxicities

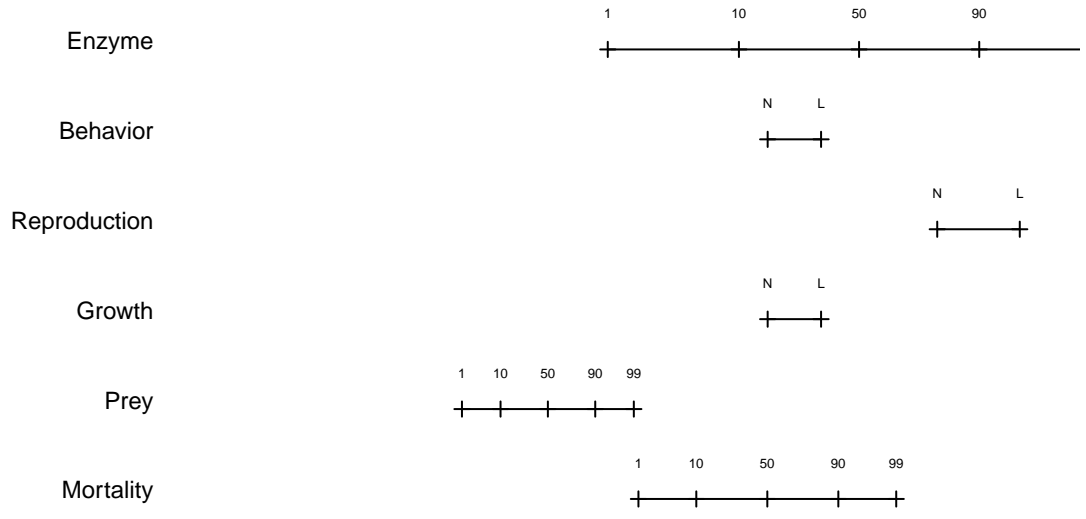


Uses

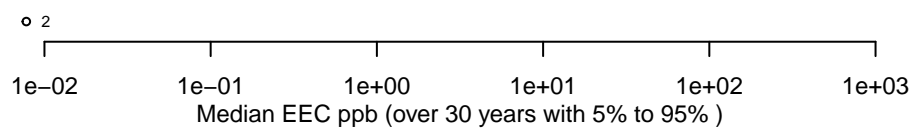
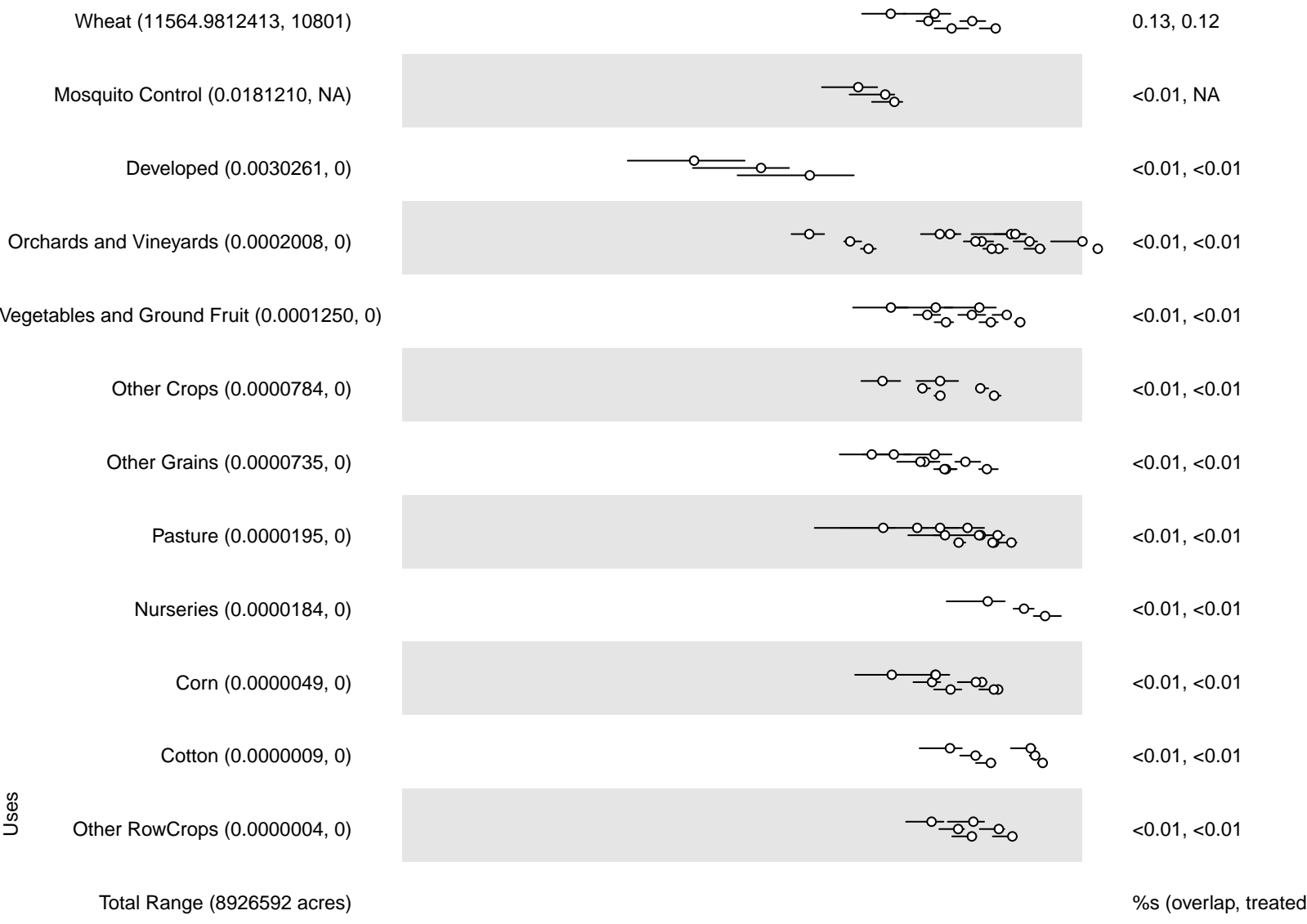


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:3,6, bin:2,3
Goldline darter (298) Range

Toxicities

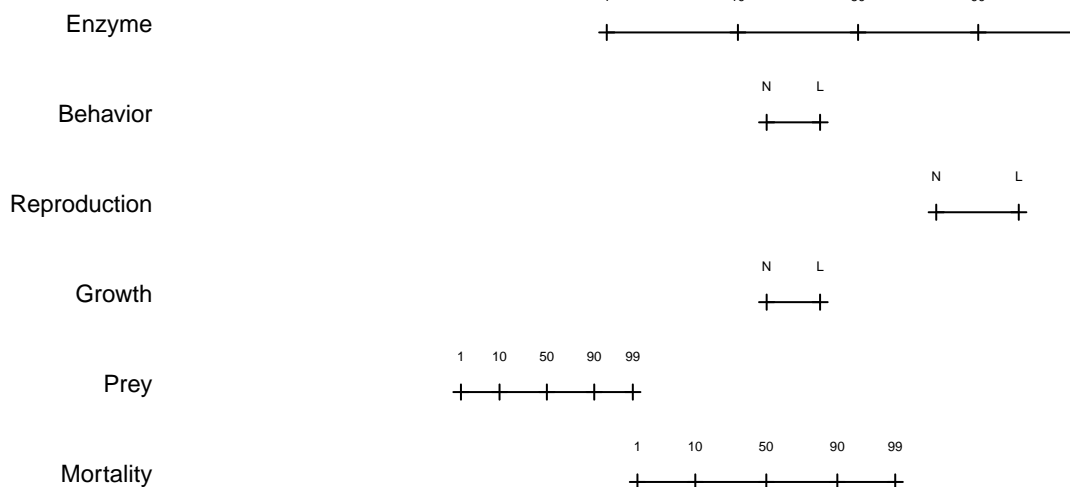


Uses



malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:17a,18a,18b, bin:2
Tidewater goby (306) Range

Toxicities



Vegetables and Ground Fruit (110.2, 137)

Other Grains (76.7, 70)

Other RowCrops (30.1, 29)

Pasture (26.2, 25)

Cotton (5.1, 0)

Orchards and Vineyards (0.8, 0)

Total Range (1416394 acres)

2.71, 0.14

0.93, 0.12

0.55, NA

0.04, 0.04

0.04, <0.01

0.03, 0.02

<0.01, <0.01

<0.01, <0.01

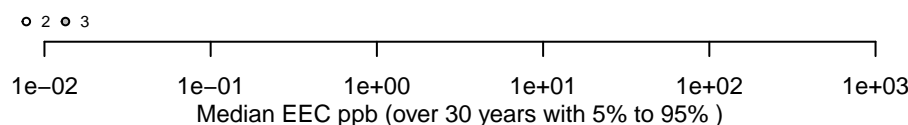
<0.01, <0.01

<0.01, <0.01

<0.01, <0.01

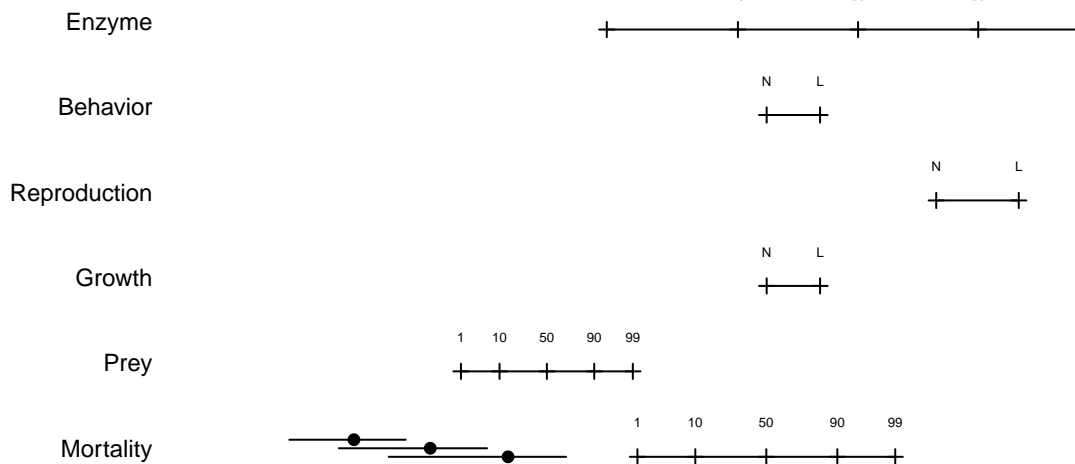
<0.01, <0.01

%s (overlap, treated)



malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:5, bin:2,3
Bluemask (=jewel) Darter (307) Range

Toxicities



Uses

Mosquito Control (105559.6, NA)

2.53, NA

Developed (100987.2, 5049)

2.42, 0.12

Corn (11300.3, 2753)

0.27, 0.07

Wheat (2653.9, 517)

0.06, 0.01

Other Grains (575.7, 452)

0.01, 0.01

Nurseries (474.6, 474)

0.01, 0.01

Other Crops (410.5, 0)

<0.01, <0.01

Pasture (177.4, 188)

<0.01, <0.01

Vegetables and Ground Fruit (137.1, 108)

<0.01, <0.01

Christmas Trees (31.9, 25)

<0.01, <0.01

Other RowCrops (26.4, 26)

<0.01, <0.01

Orchards and Vineyards (16.6, 11)

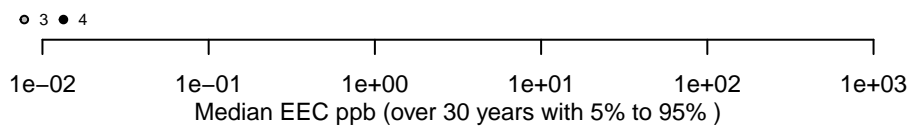
<0.01, <0.01

Cotton (0.4, 0)

<0.01, <0.01

Total Range (4164707 acres)

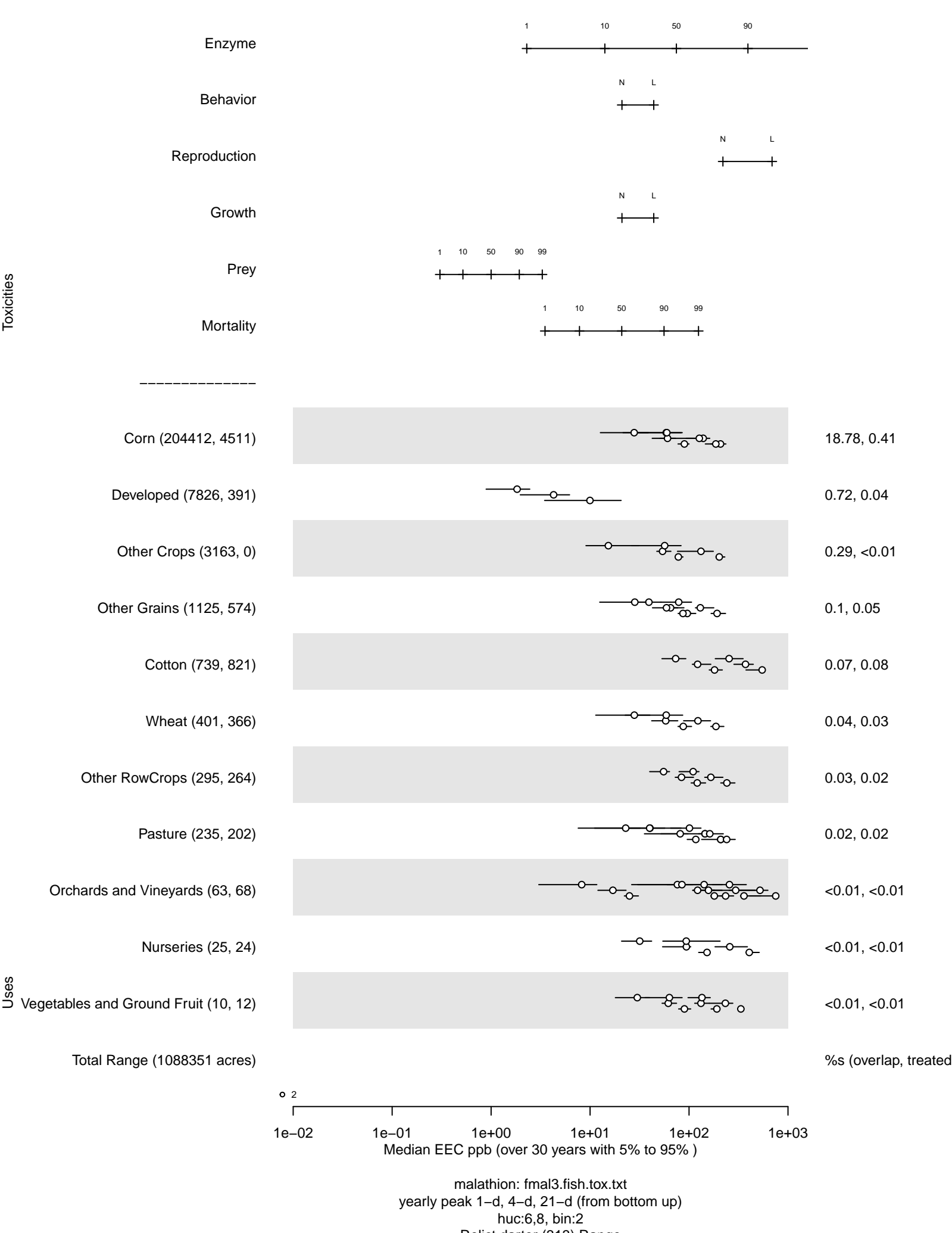
%s (overlap, treated)



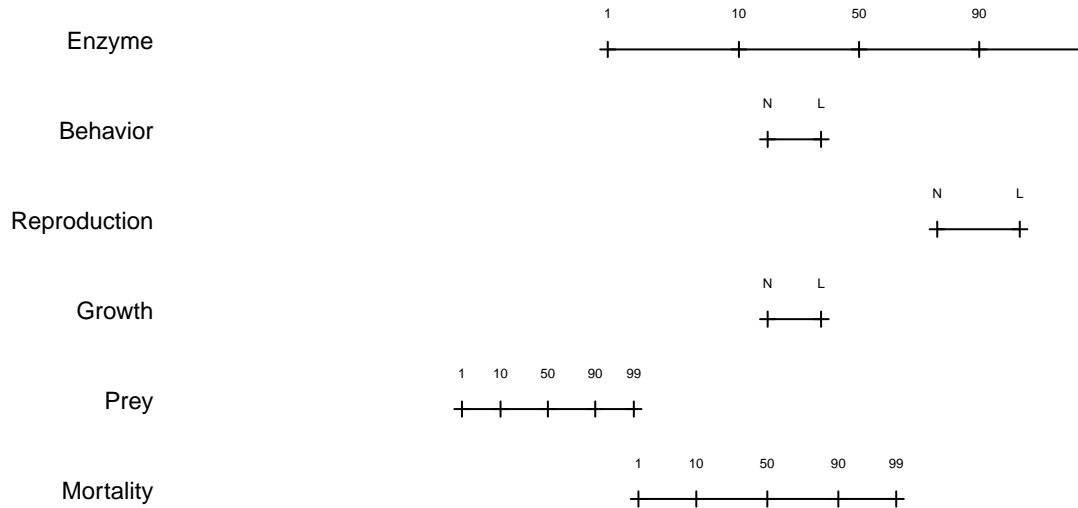
malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:5,6, bin:3,4
Duskytail darter (308) Range

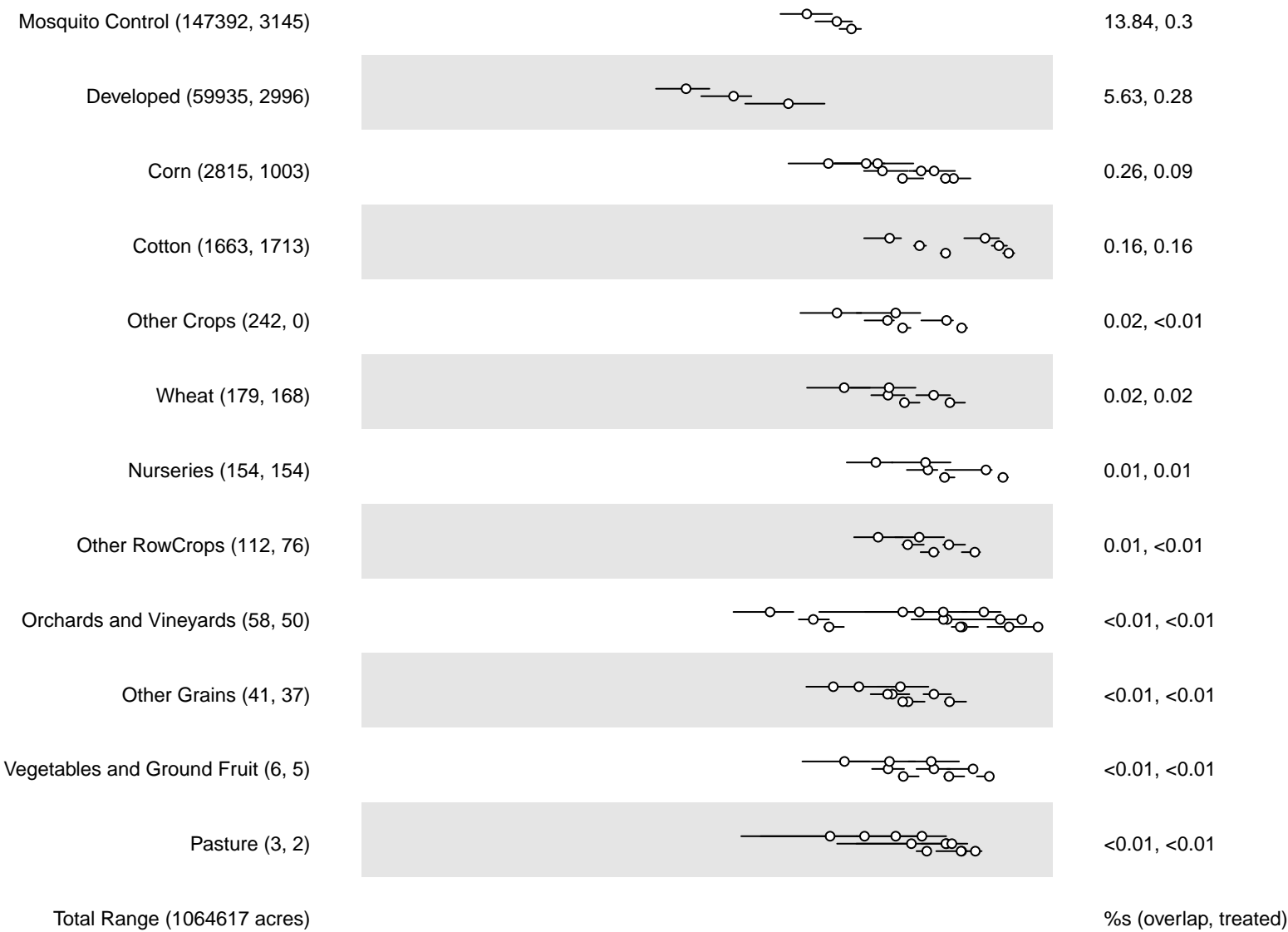
Toxicities

Uses

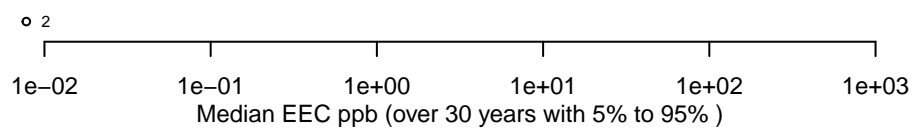


Toxicities



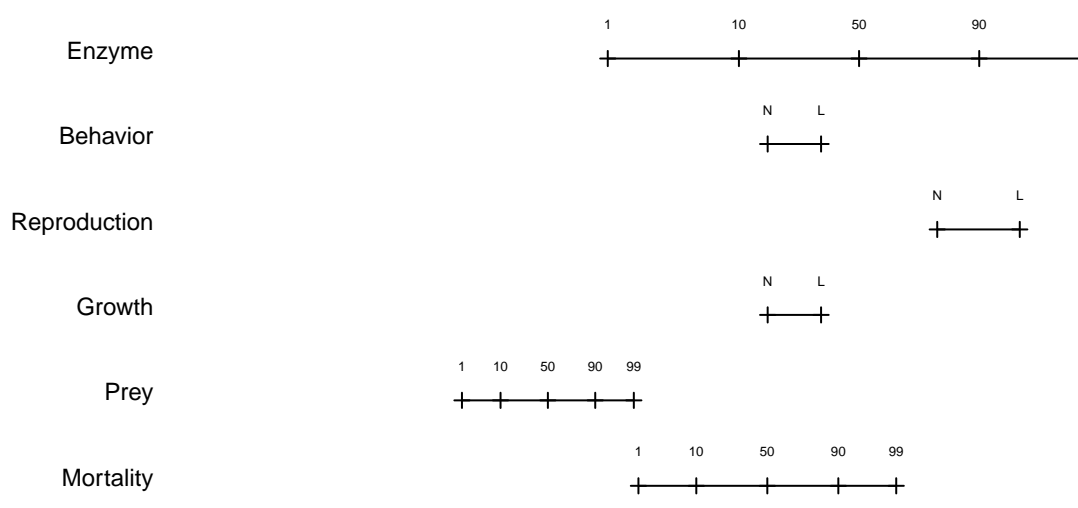


Uses

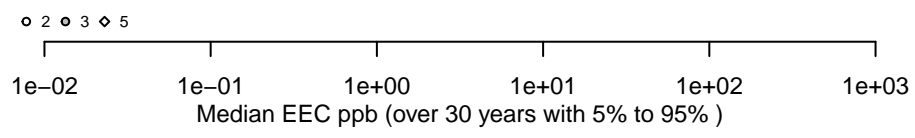
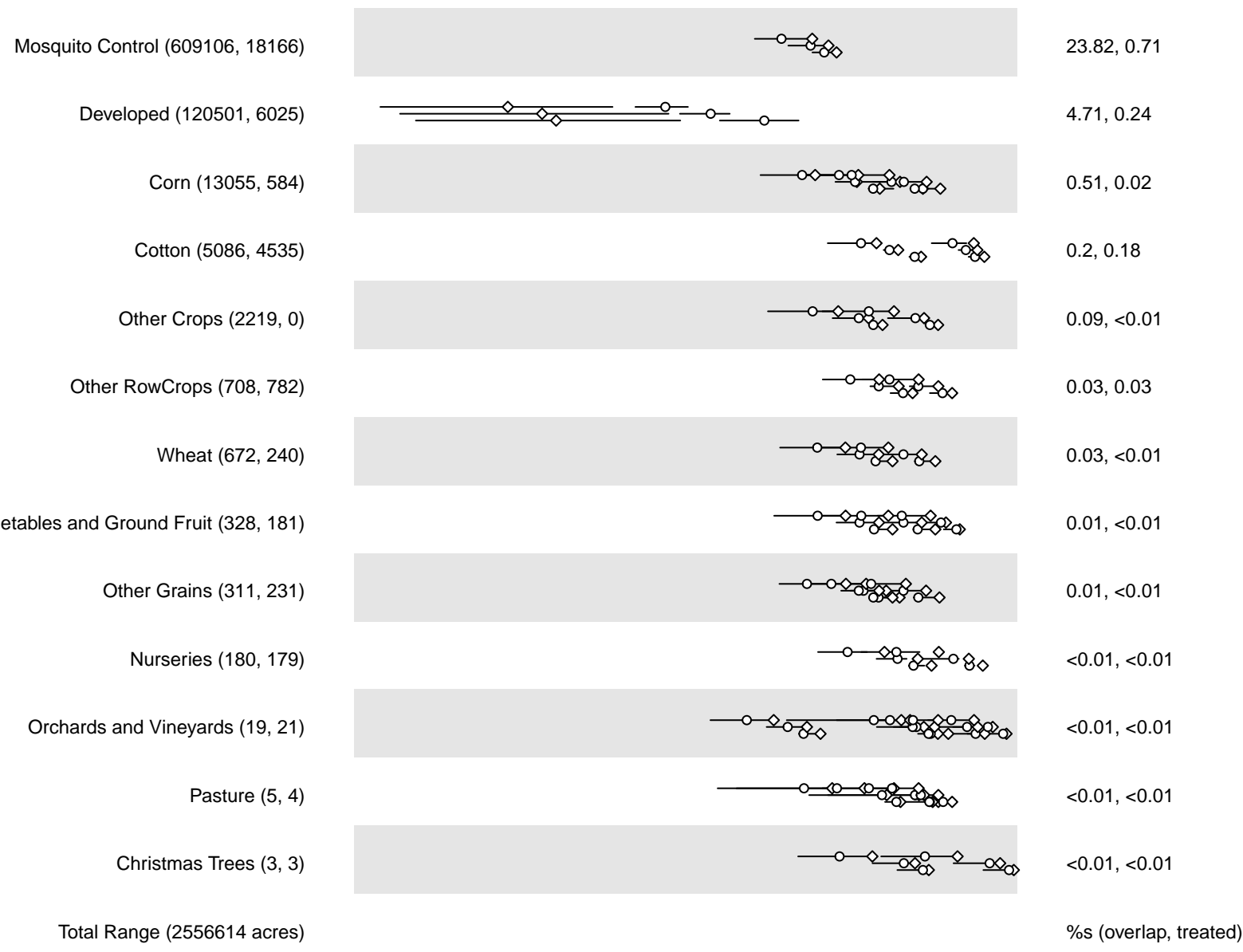


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:3, bin:2
Etowah darter (315) Range

Toxicities

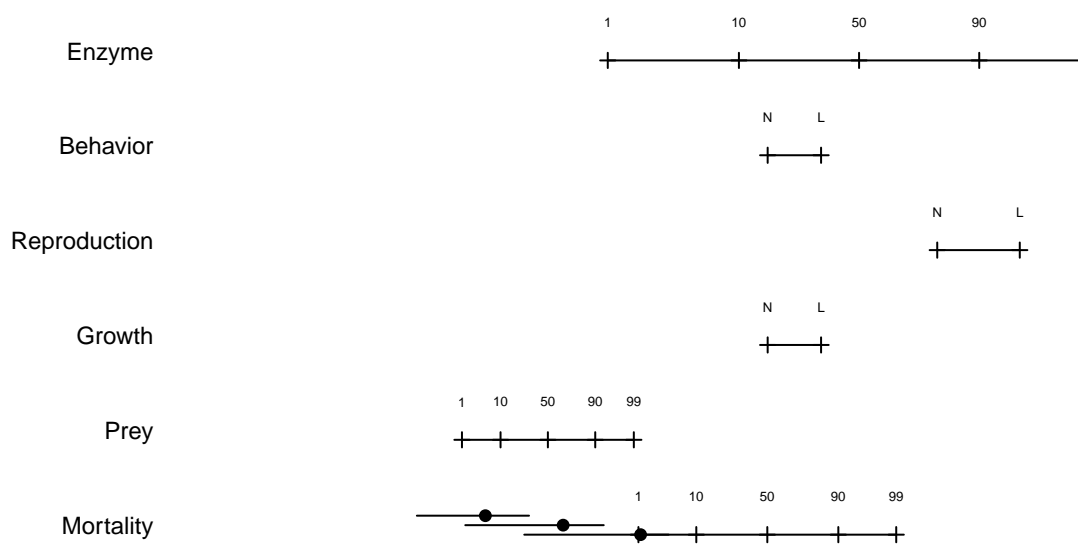


Uses

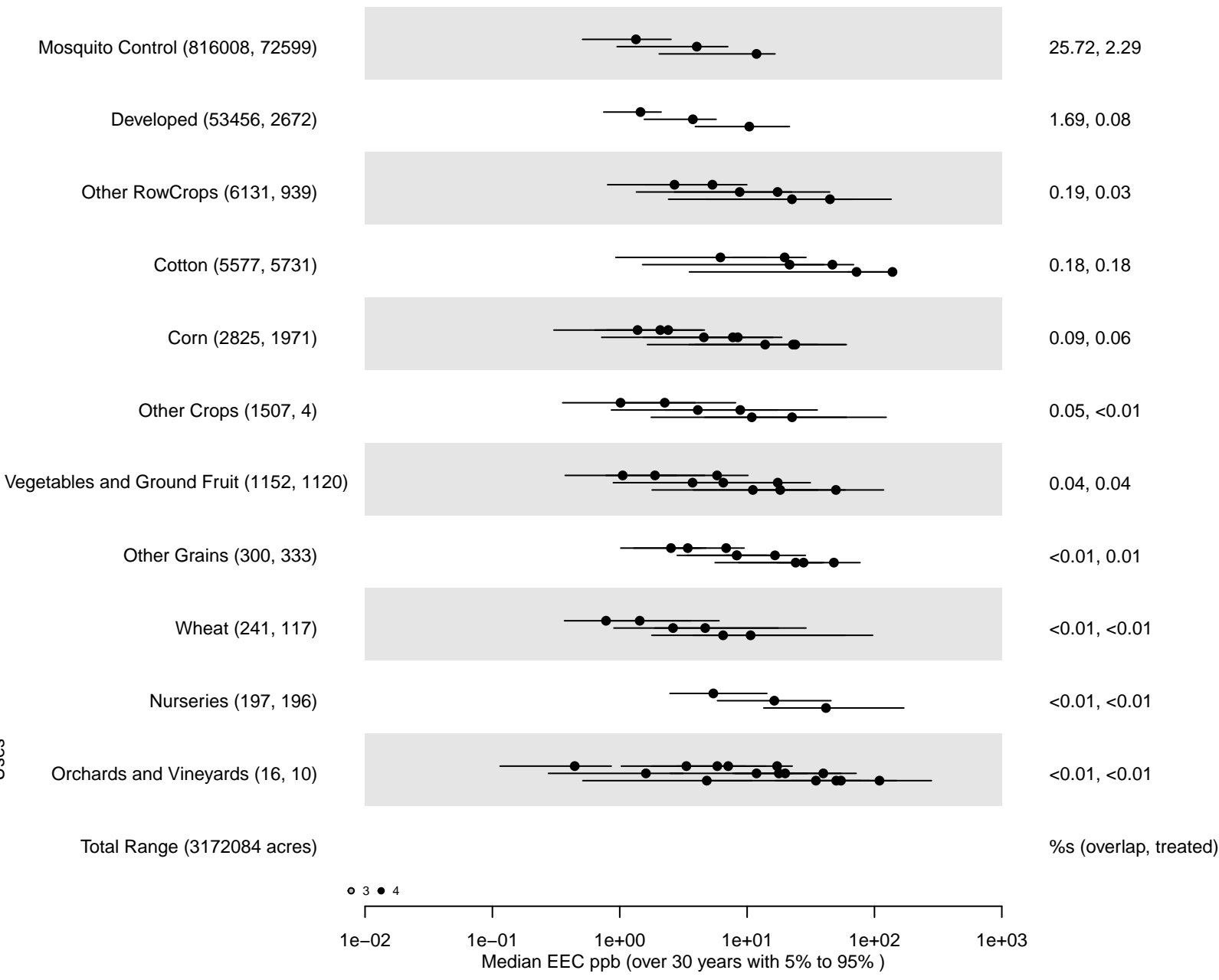


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:3,6, bin:2,3,5
Rush Darter (3525) Range

Toxicities

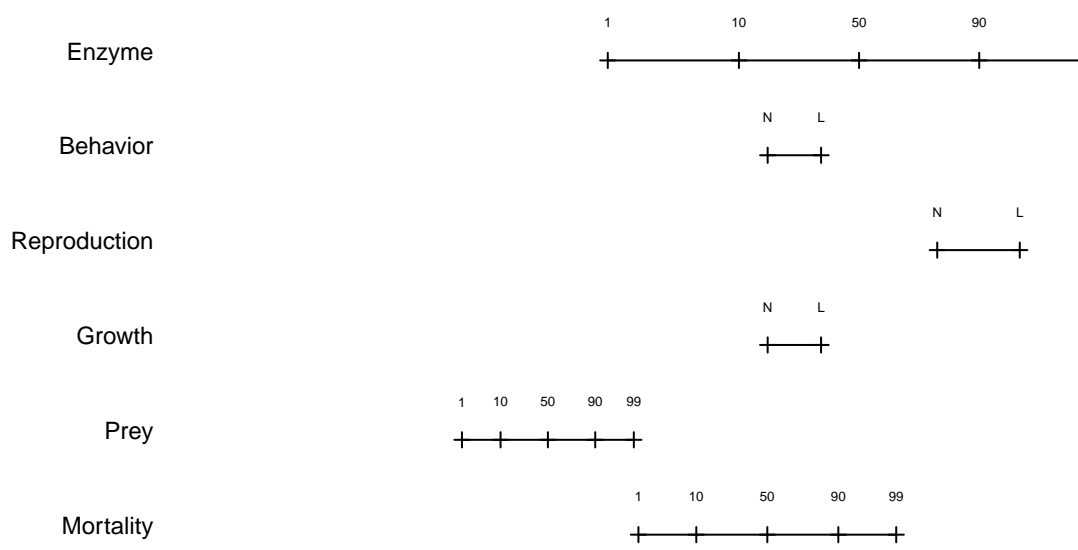


Uses

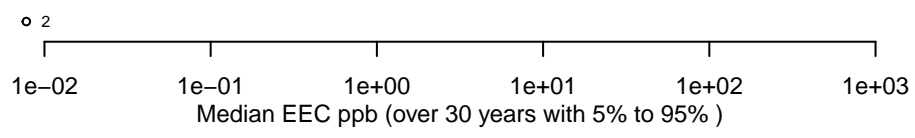
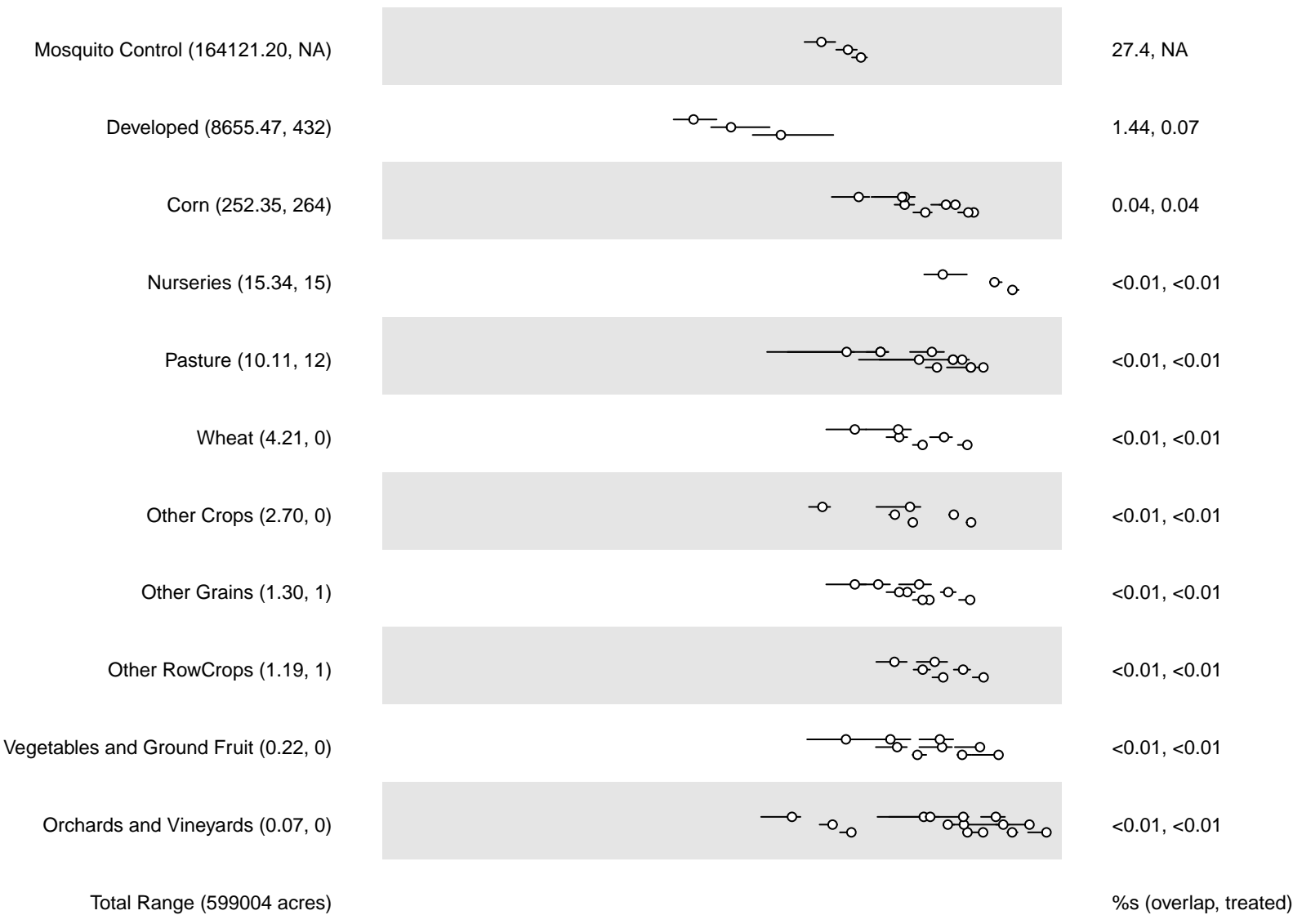


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:3, bin:3,4
Pearl darter (4431) Range

Toxicities

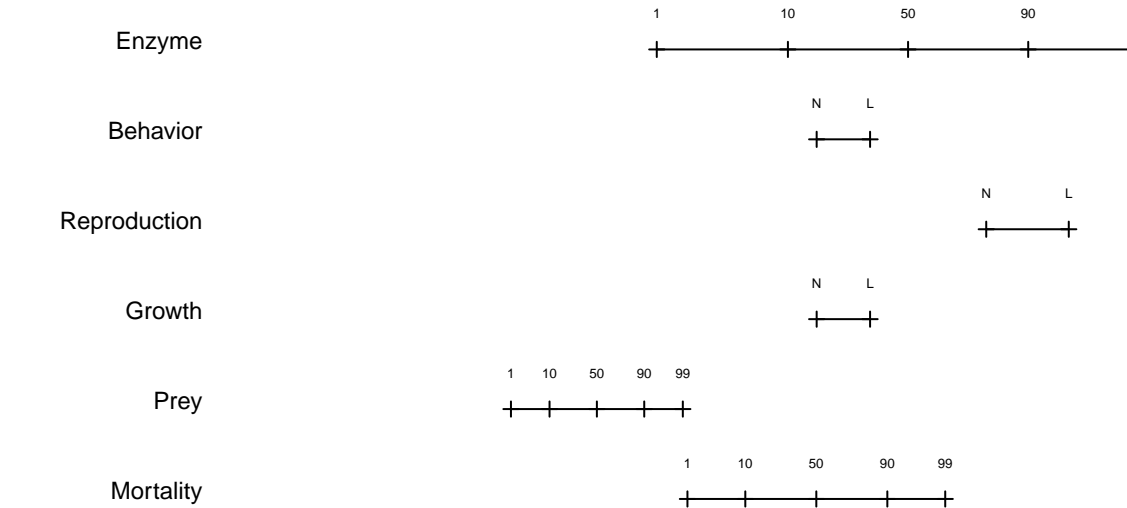


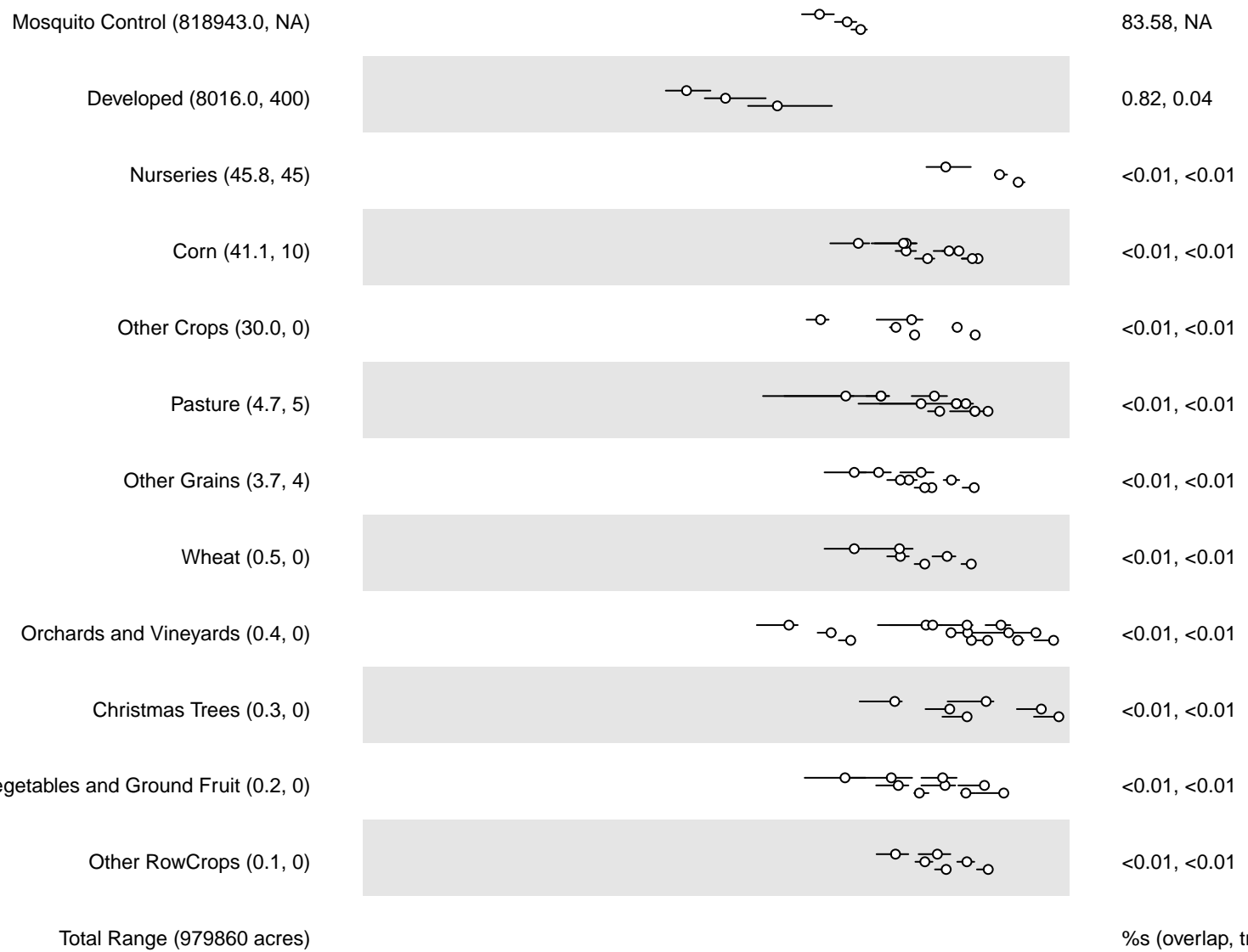
Uses



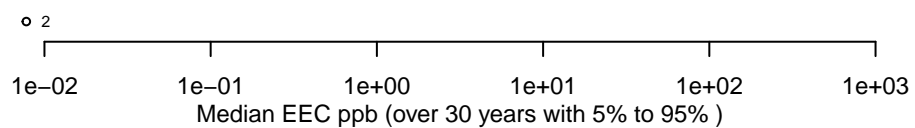
malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:5, bin:2
Cumberland darter (5719) Range

Toxicities





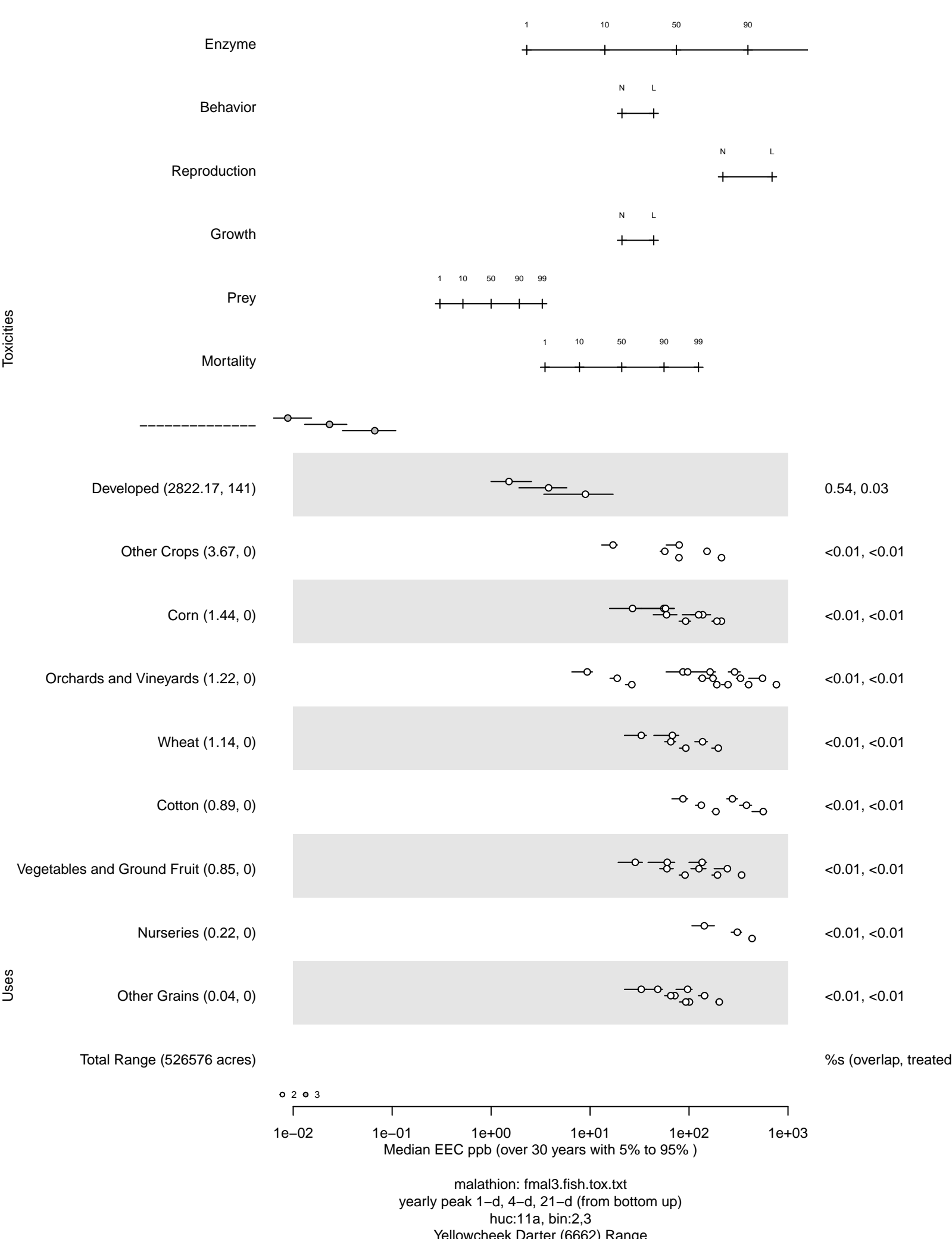
Uses



malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:5, bin:2
diamond Darter (6557) Range

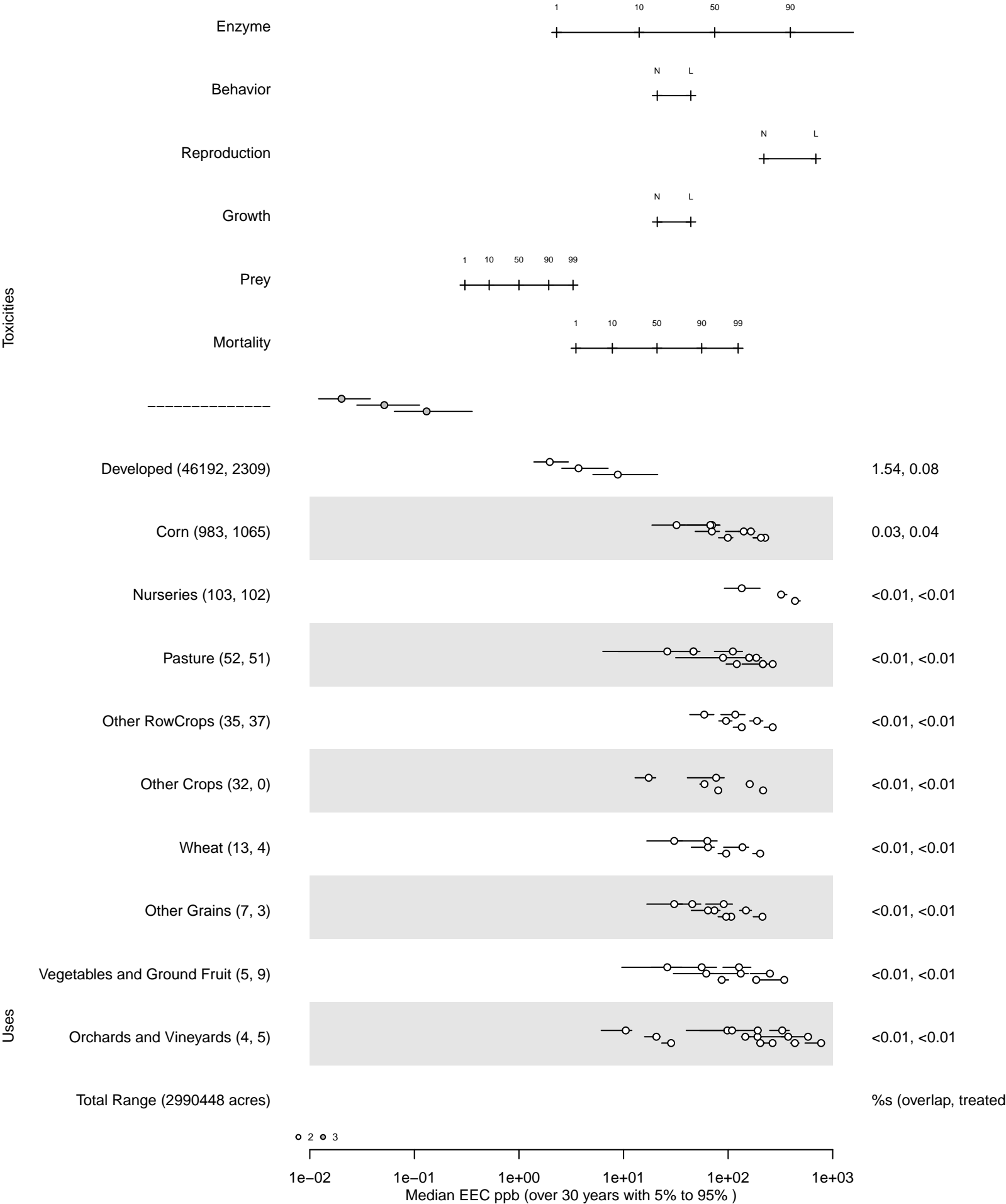
Toxicities

Uses



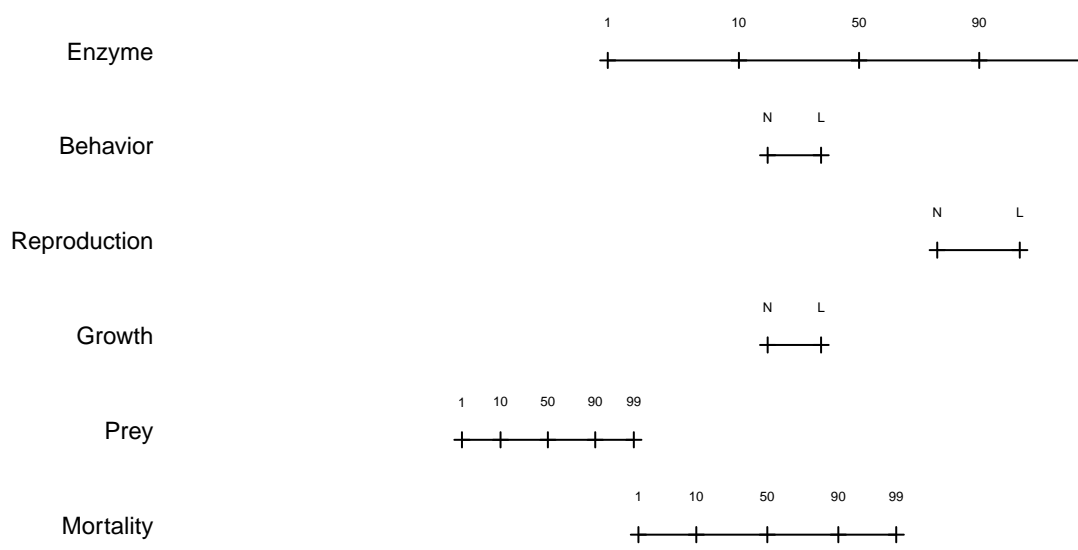
Toxicities

Uses

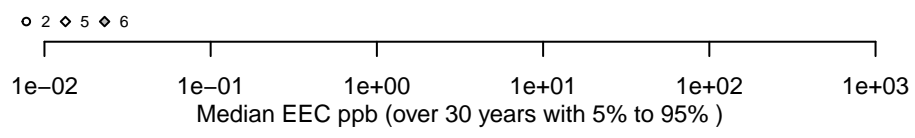
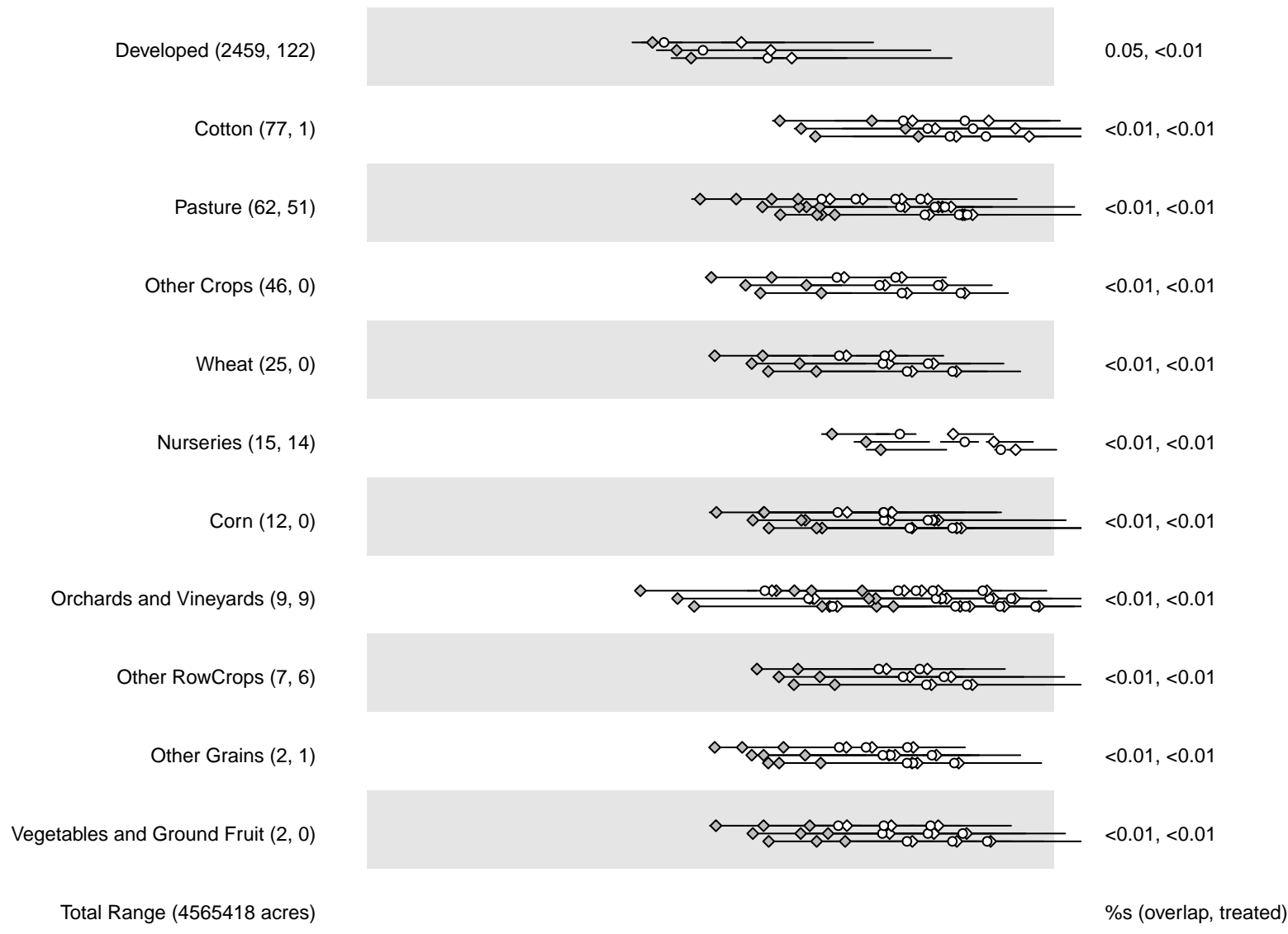


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:5,6, bin:2,3
Kentucky arrow darter (10060) Range

Toxicities

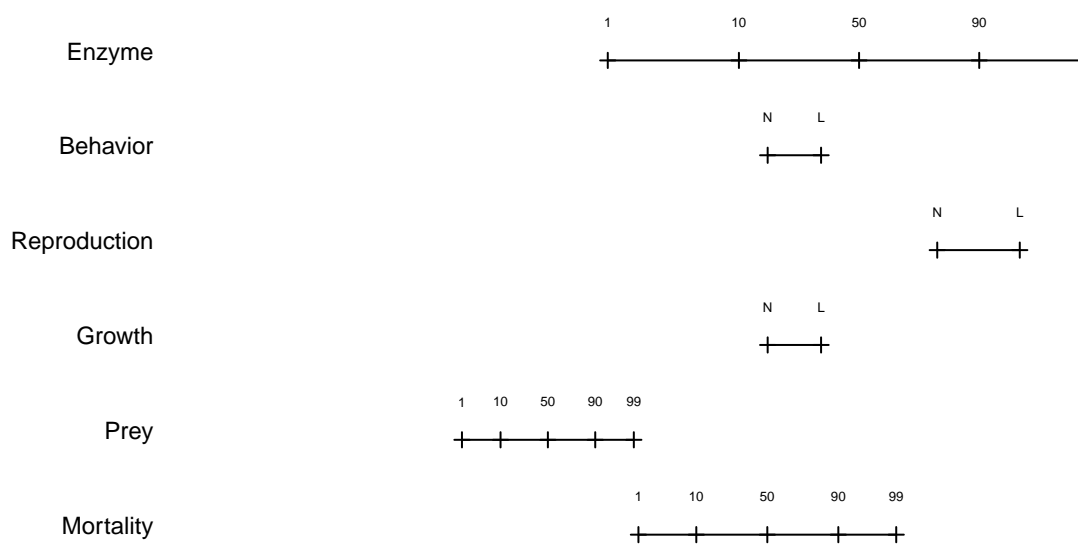


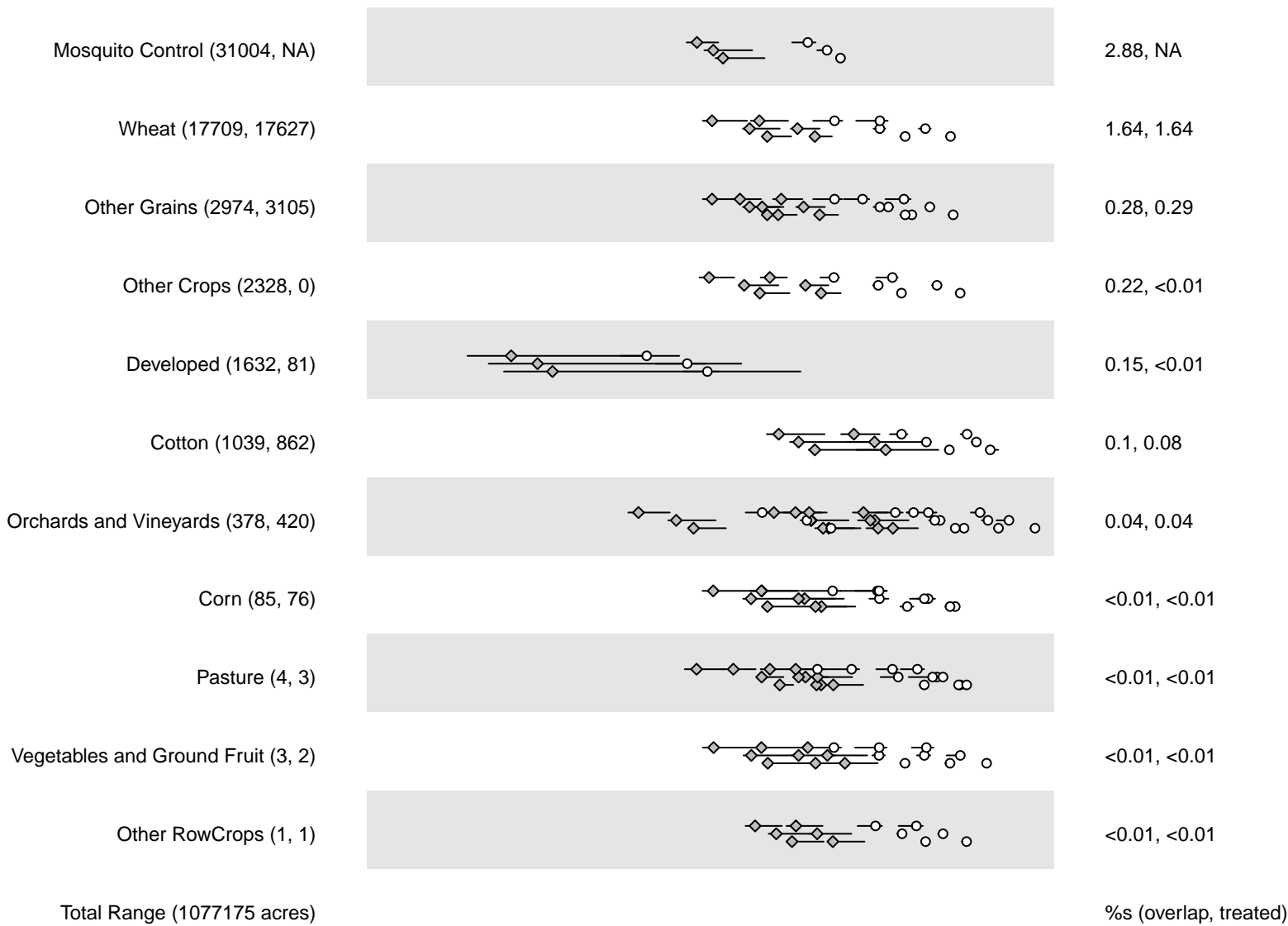
Uses



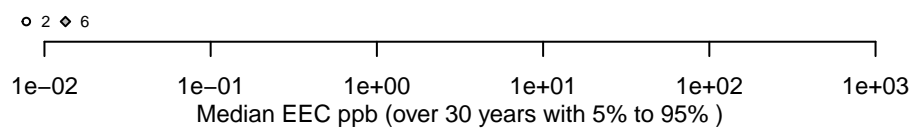
malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:13, bin:2,5,6
Big Bend gambusia (213) Range

Toxicities





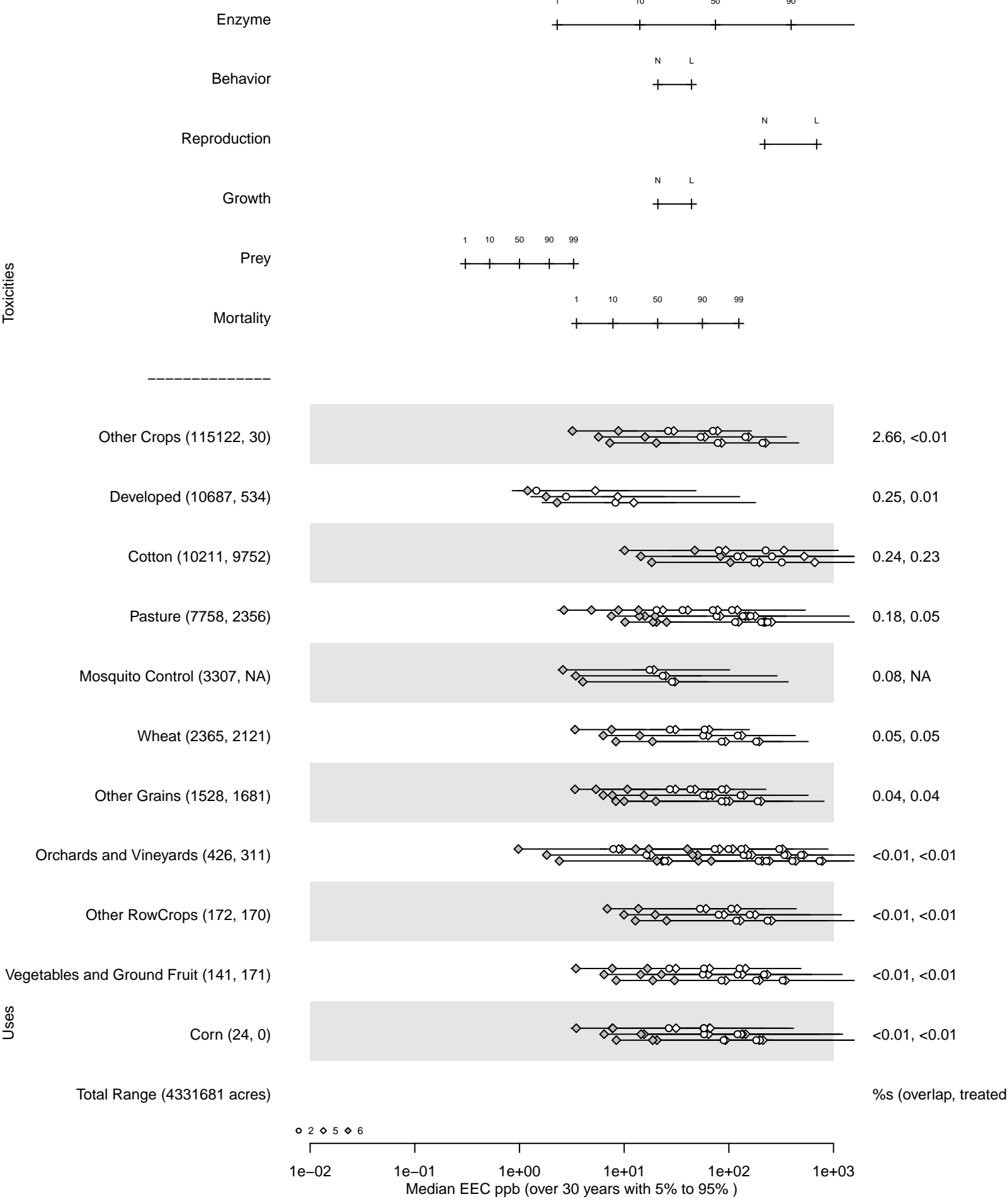
Uses



malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:12b, bin:2,6
Clear Creek gambusia (214) Range

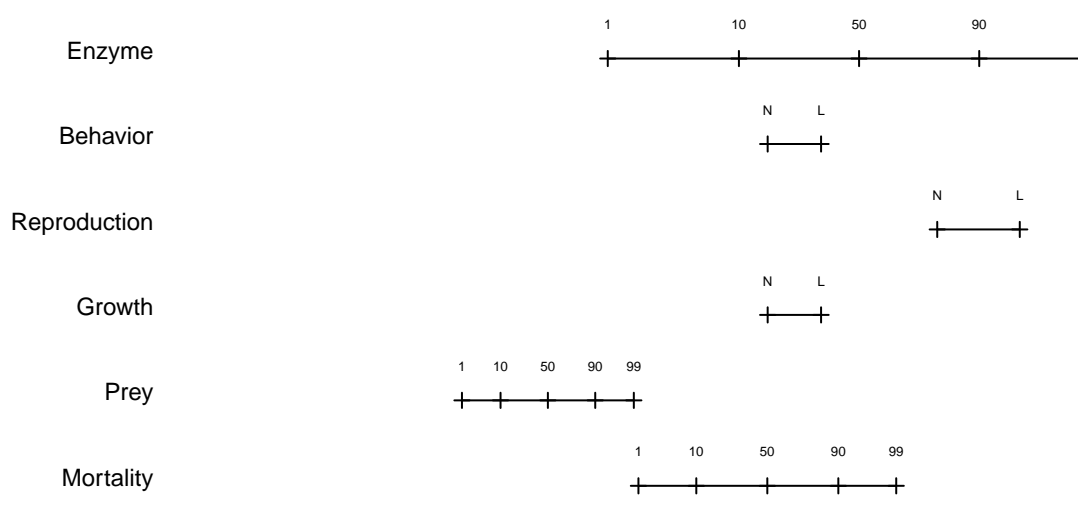
Toxicities

Uses

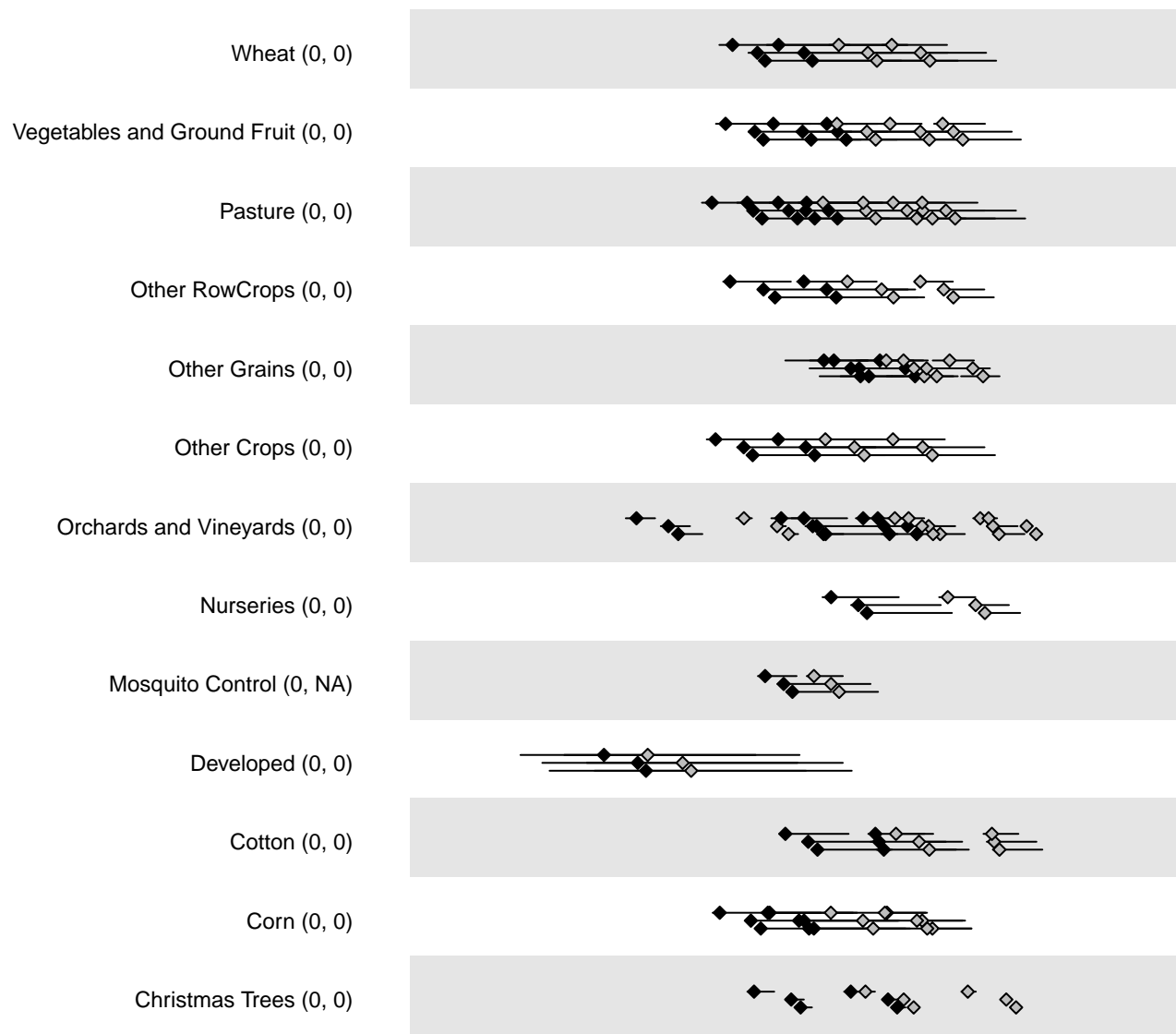


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:13, bin:2,5,6
Comanche Springs pupfish (216) Range

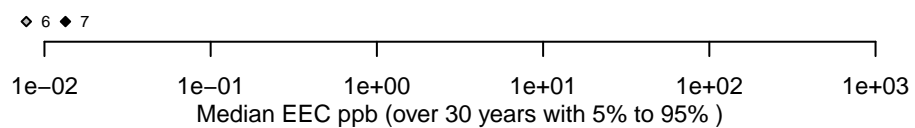
Toxicities



Uses



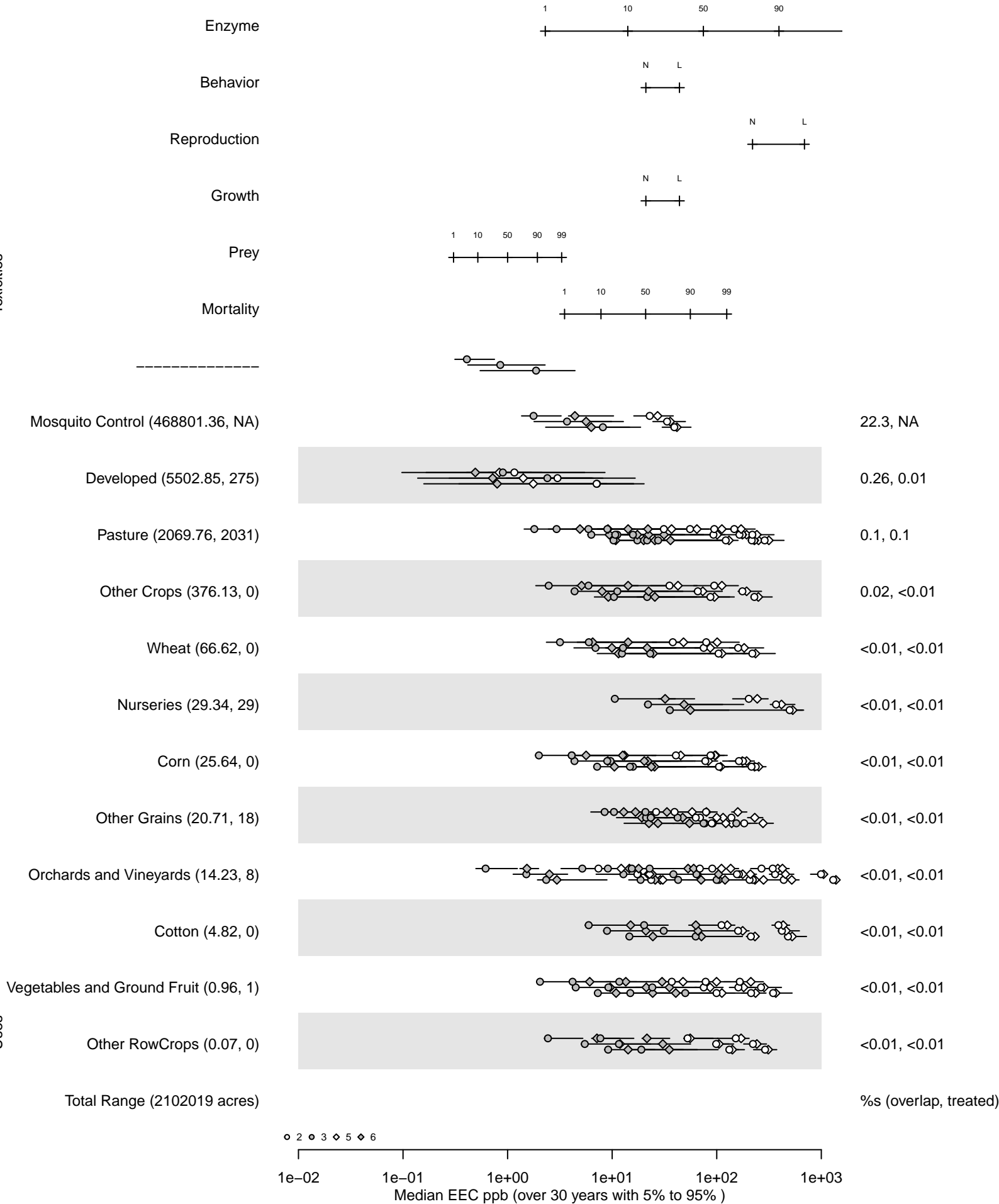
Total Range (72078 acres)



malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:18b, bin:6,7
Devils Hole pupfish (217) Range

Toxicities

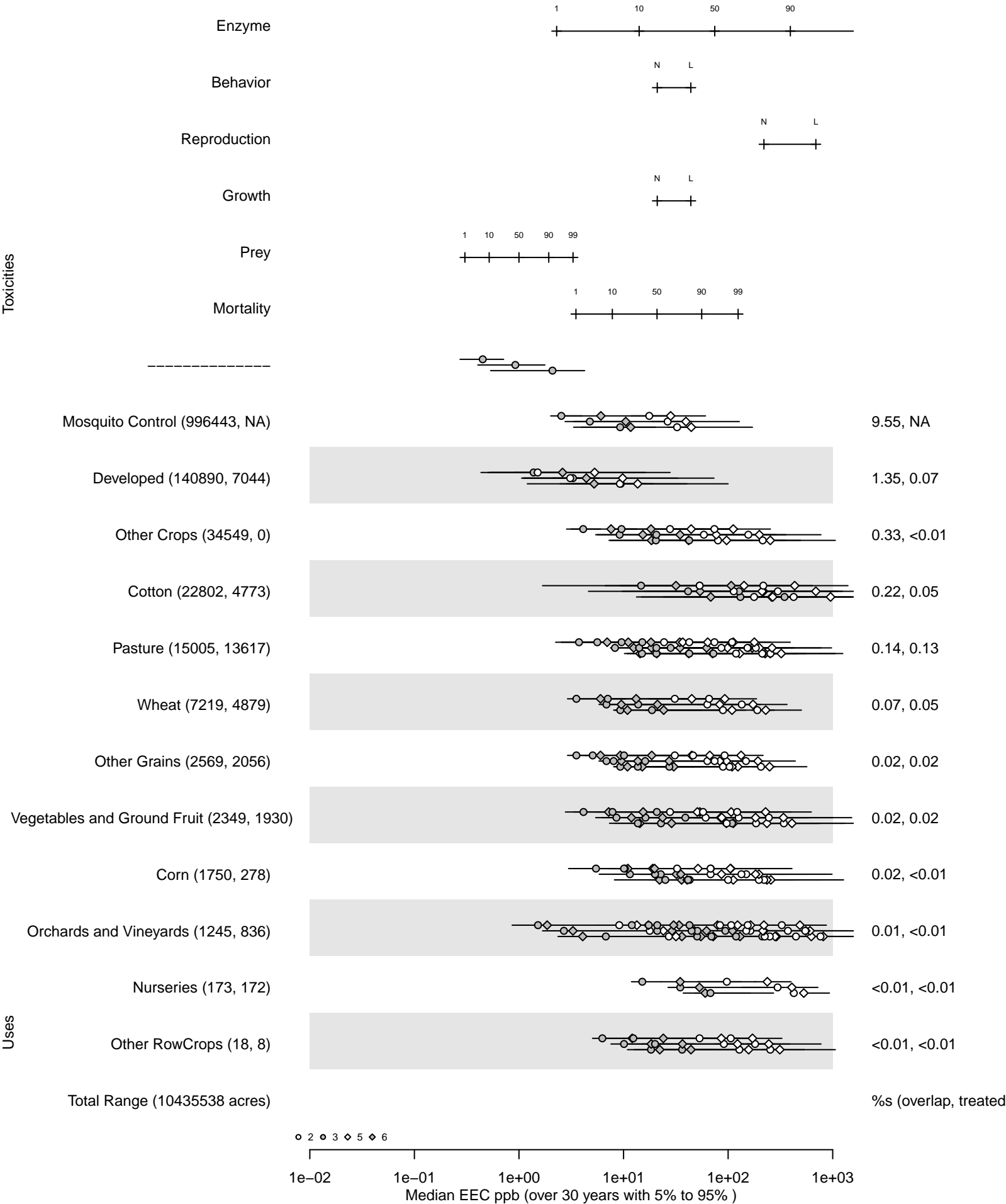
Uses



malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:18a,18b, bin:2,3,5,6
Owens pupfish (218) Range

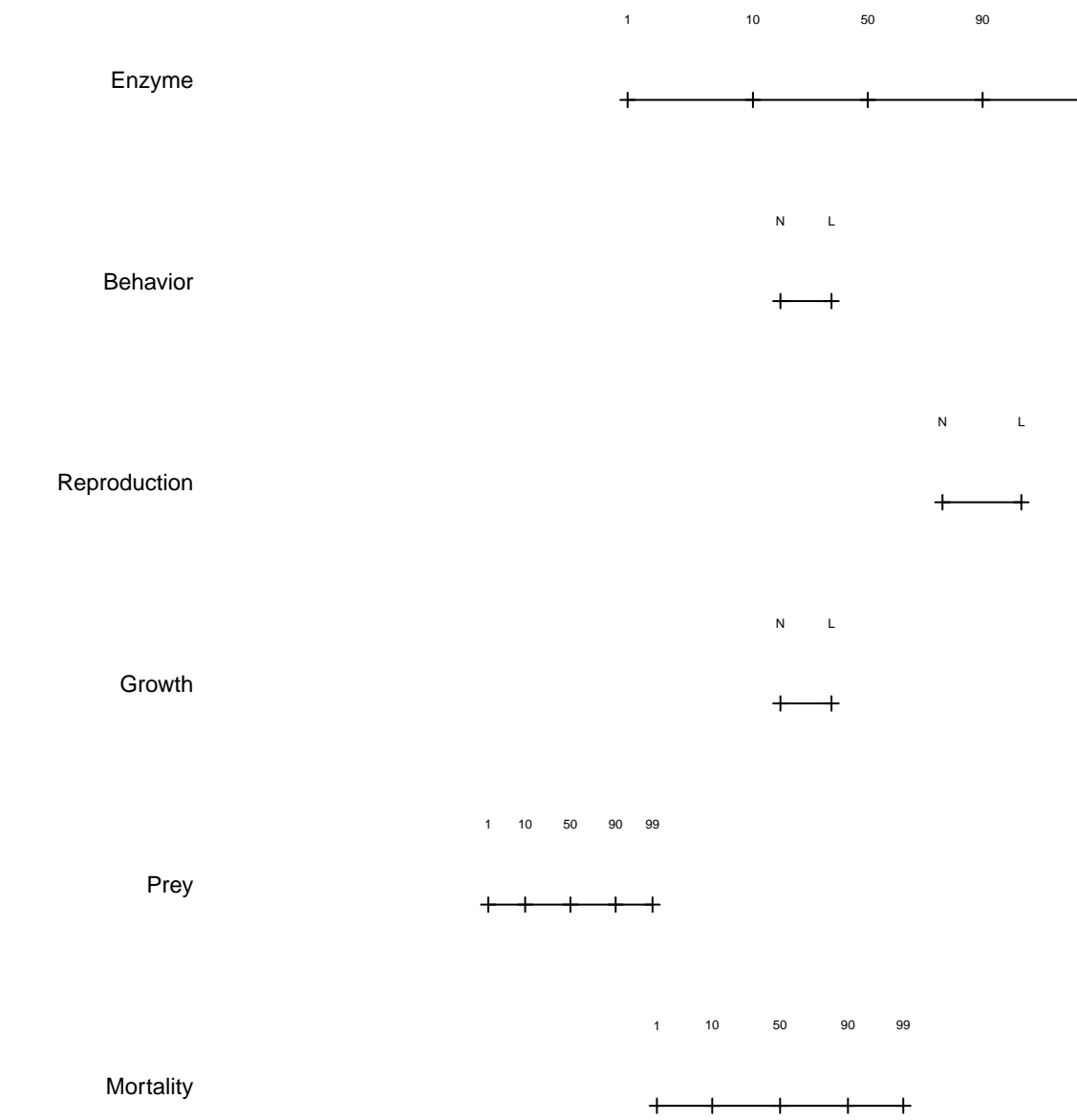
Toxicities

Uses

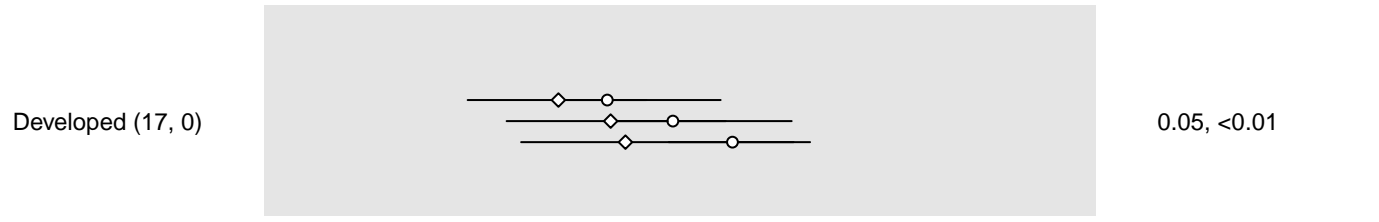


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:13,15a,15b, bin:2,3,5,6
Gila topminnow (incl. Yaqui) (219) Range

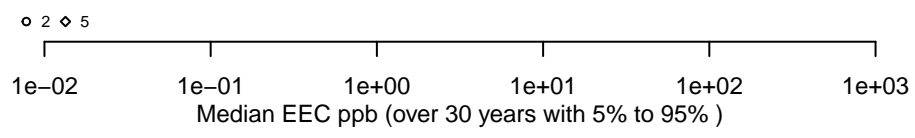
Toxicities



Uses

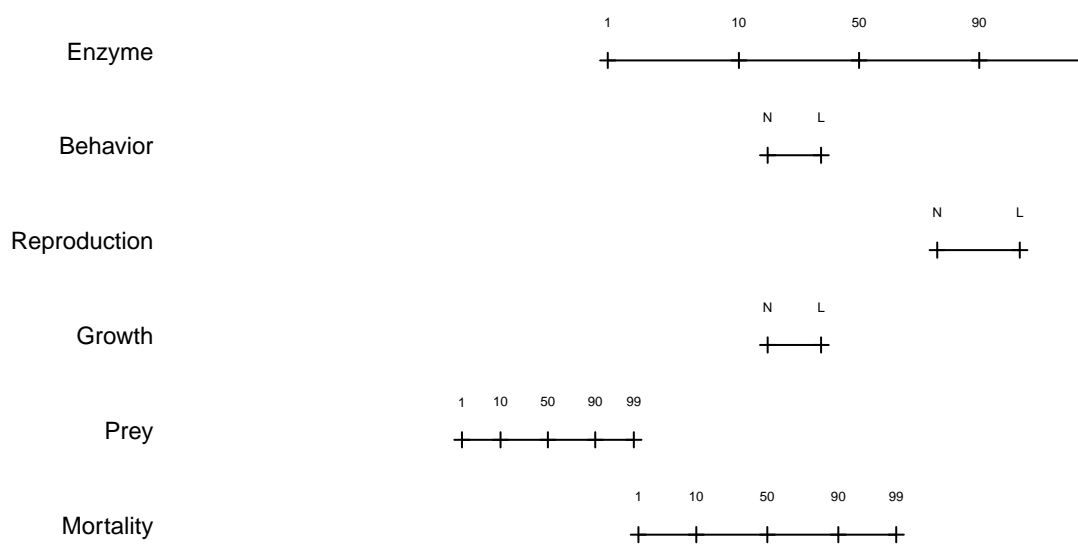


Total Range (35669 acres) %s (overlap, treated)

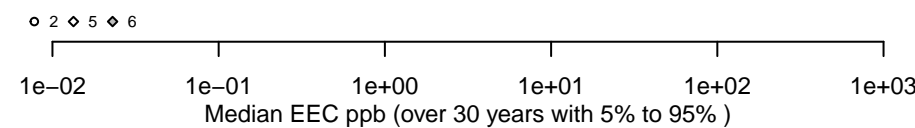
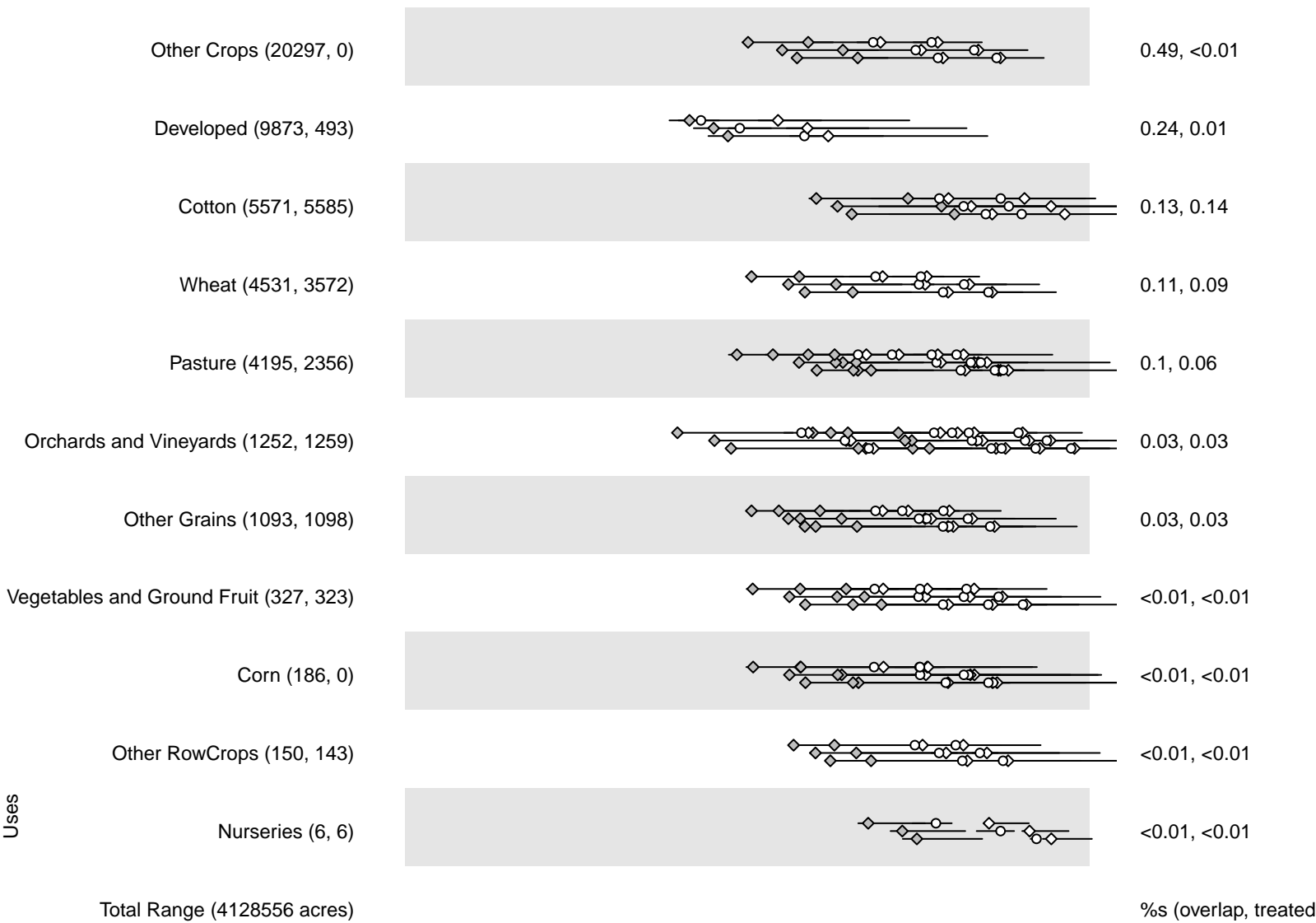


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:18b, bin:2,5
Warm Springs pupfish (231) Range

Toxicities

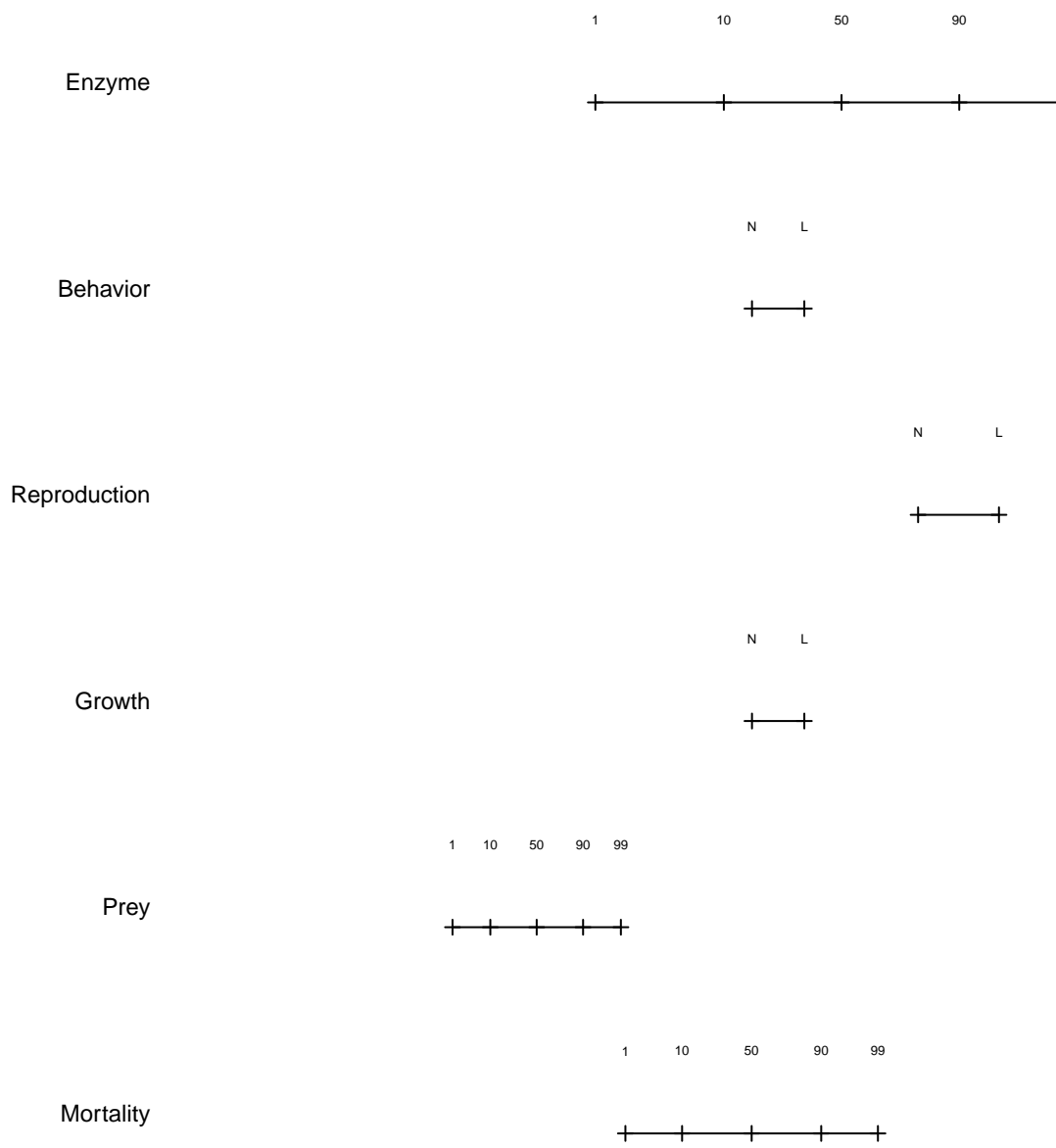


Uses

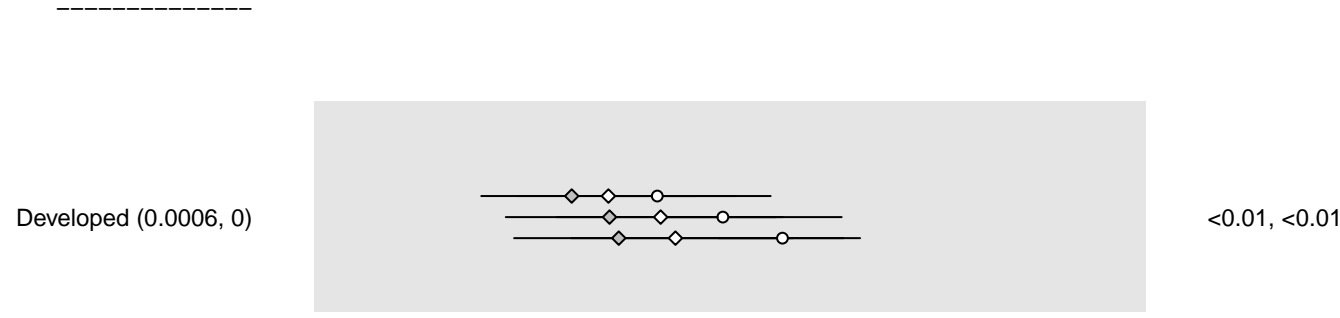


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:13, bin:2,5,6
Leon Springs pupfish (251) Range

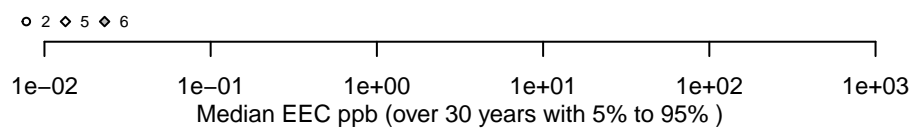
Toxicities



Uses



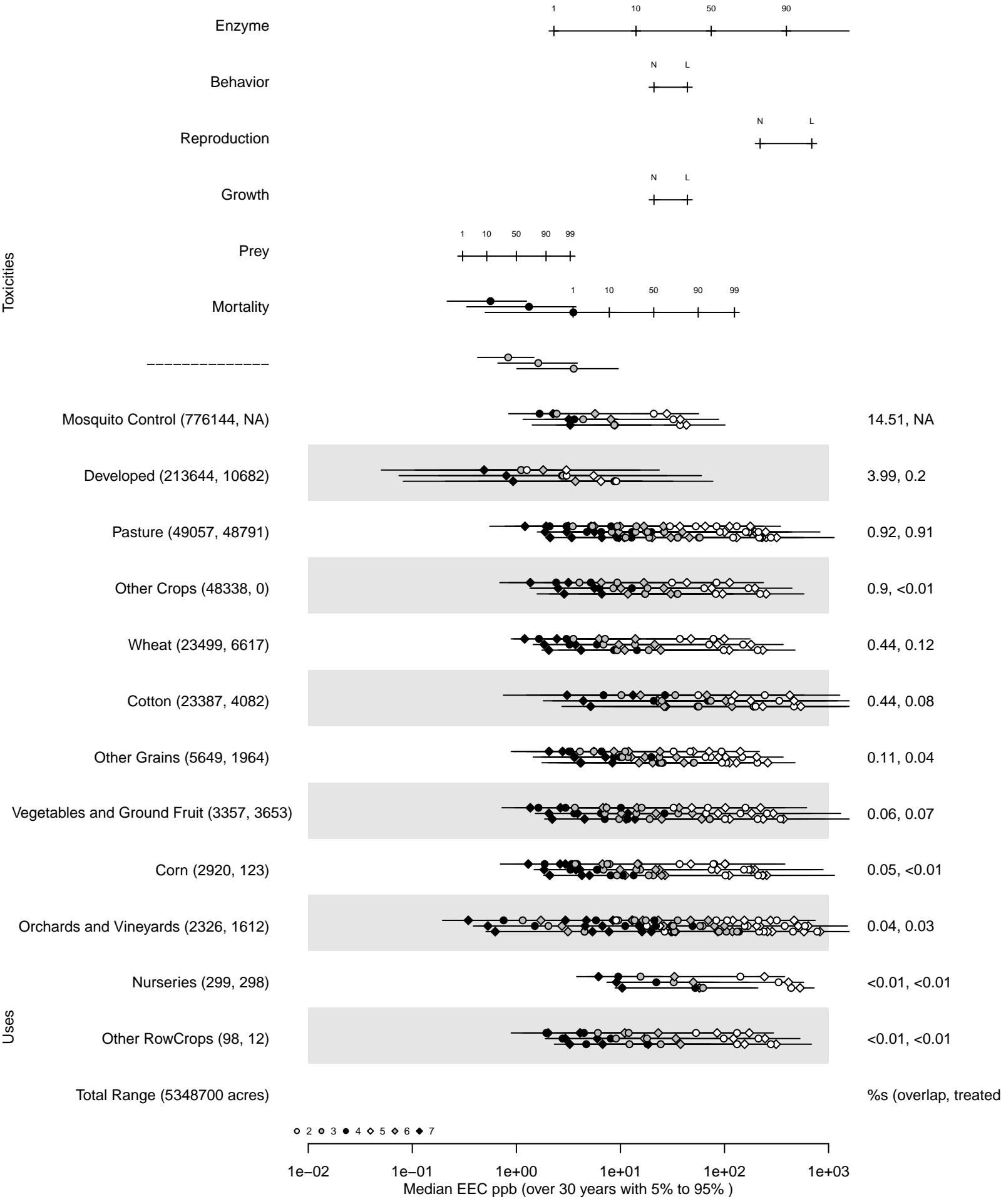
Total Range (107747 acres) %s (overlap, treated)



malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:18b, bin:2,5,6
Ash Meadows Amargosa pupfish (274) Range

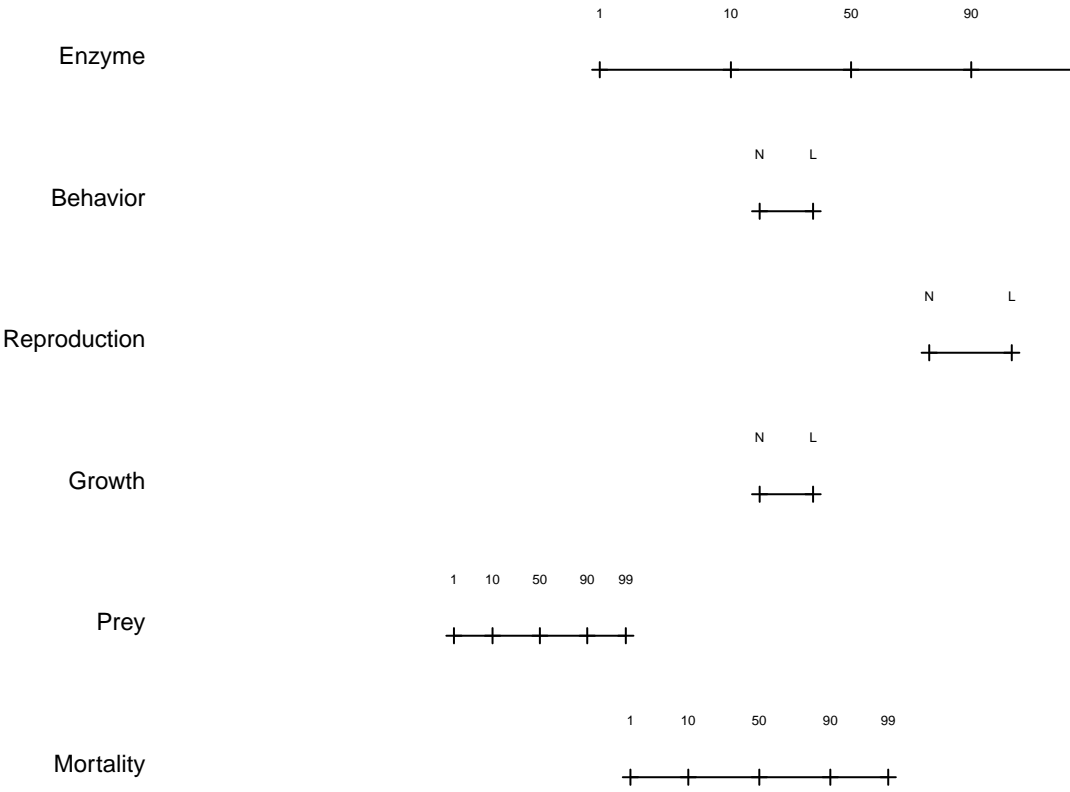
Toxicities

Uses

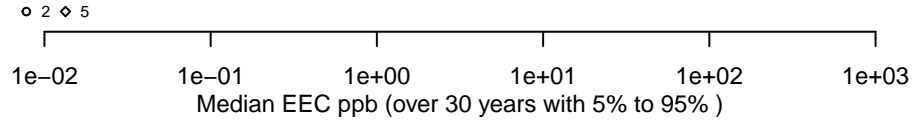
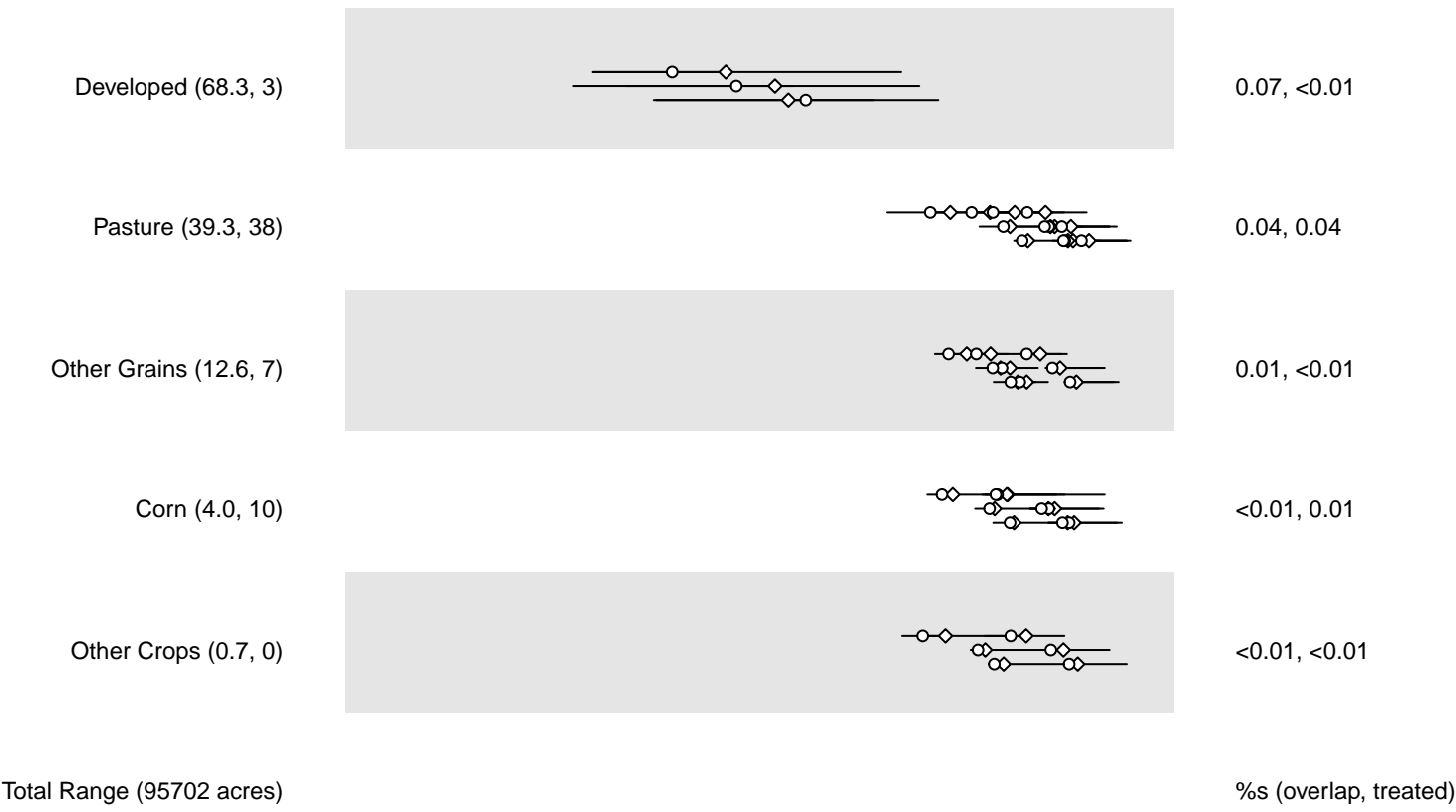


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:15a,15b,18b,18a, bin:2,3,4,5,6,7
Desert pupfish (275) Range

Toxicities

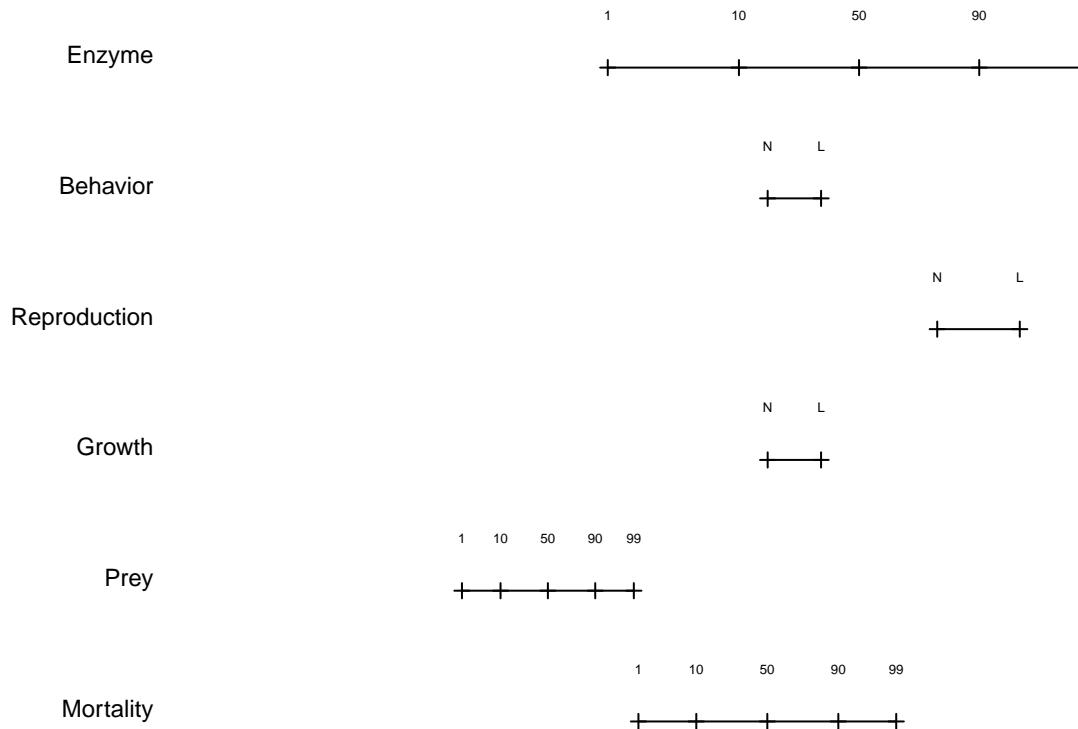


Uses



malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:15b,16b, bin:2,5
Hiko White River springfish (283) Range

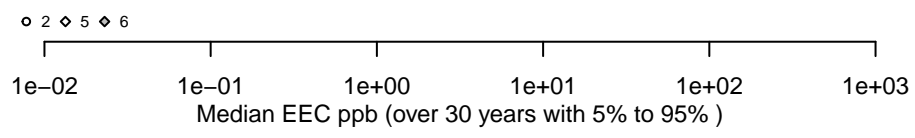
Toxicities



Uses

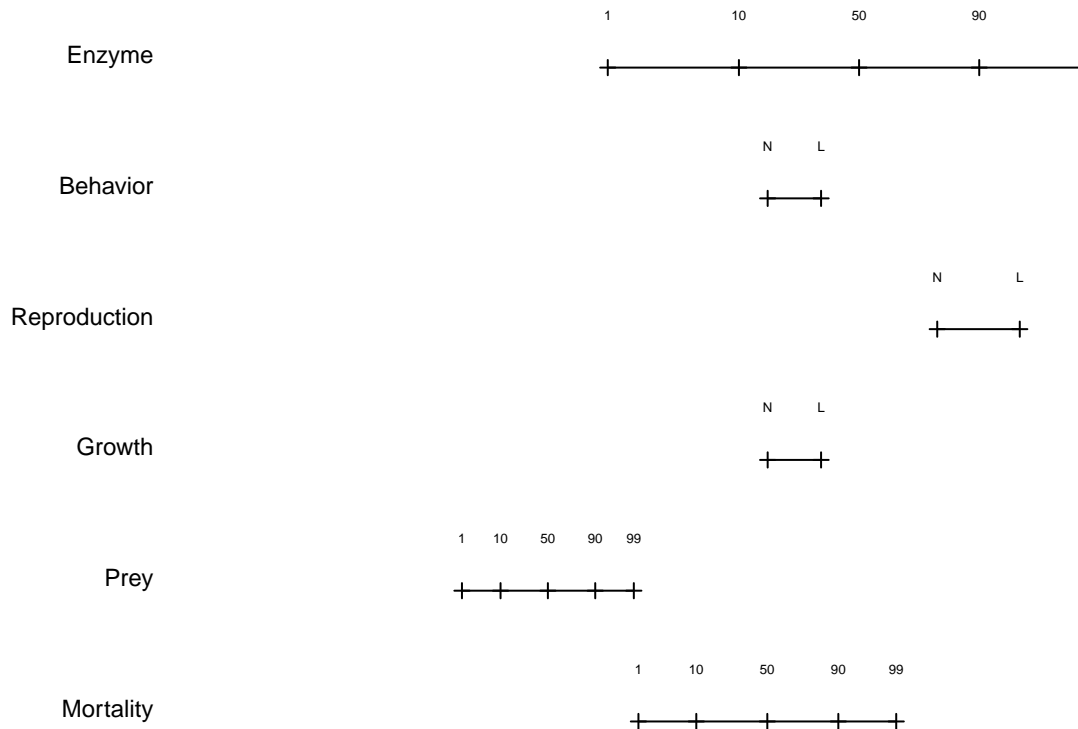


Total Range (3906706 acres) %s (overlap, treated)

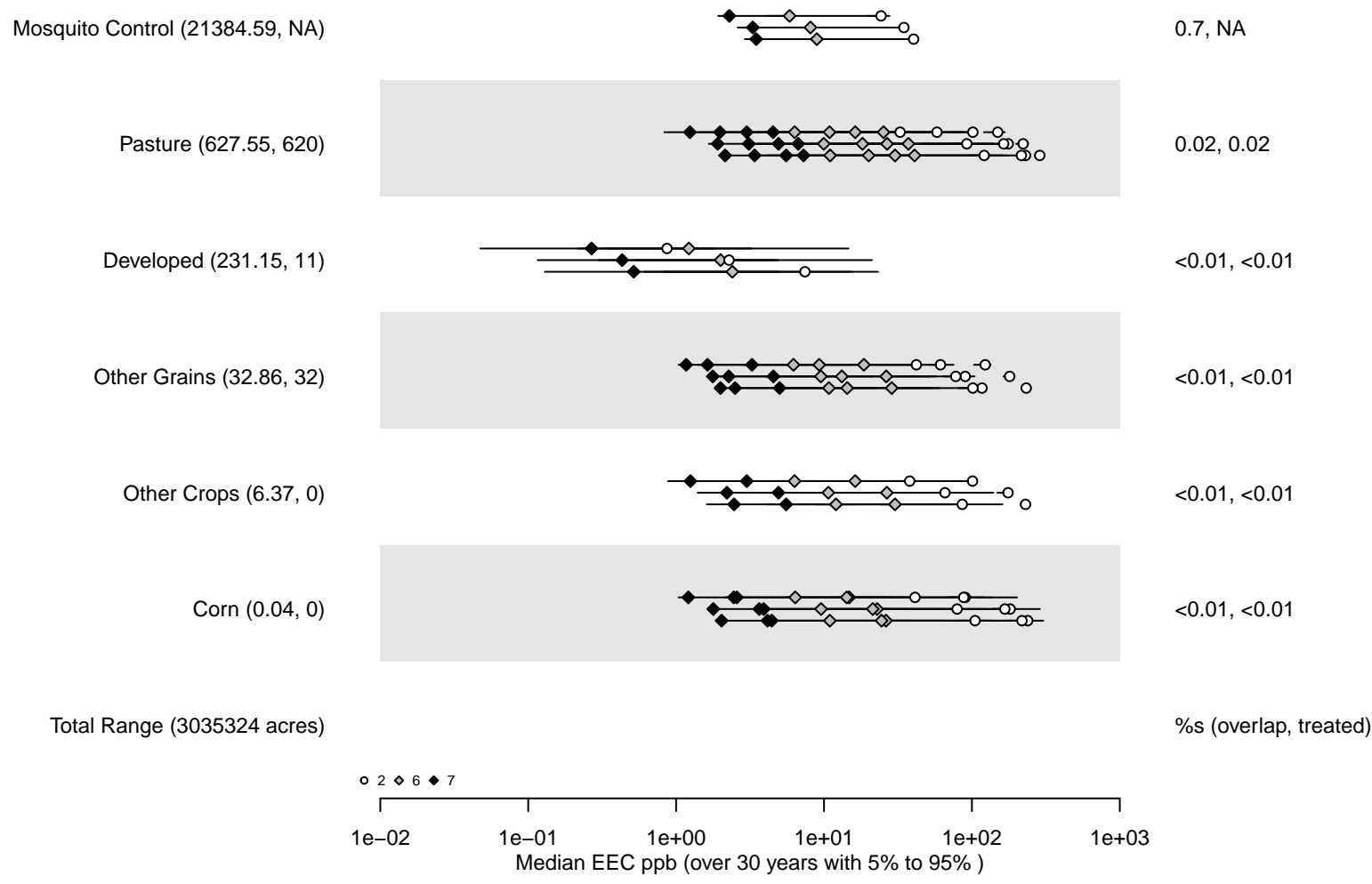


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:15a,15b,16b,16a, bin:2,5,6
Railroad Valley springfish (284) Range

Toxicities

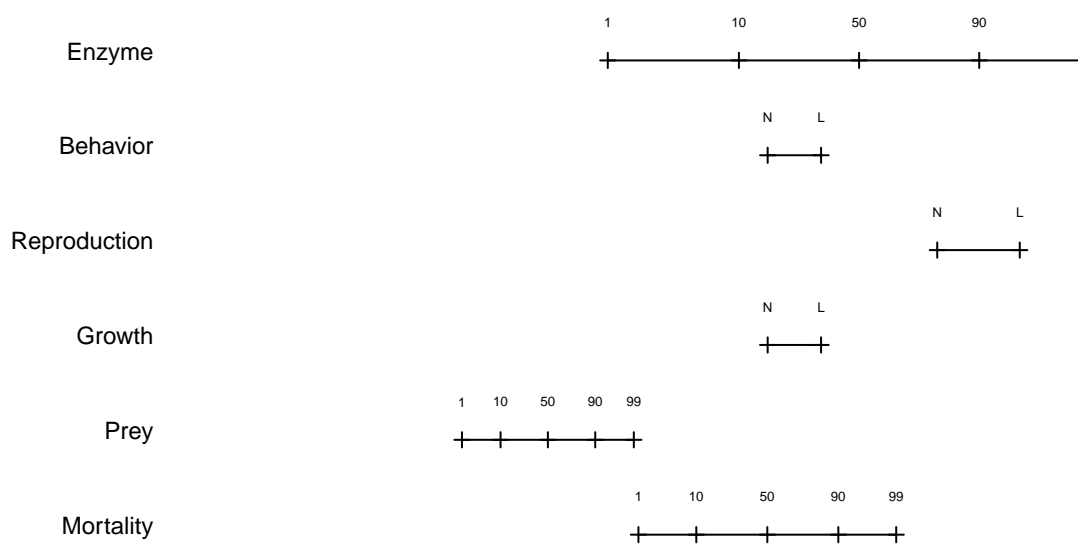


Uses

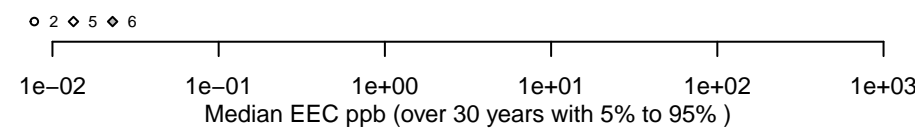
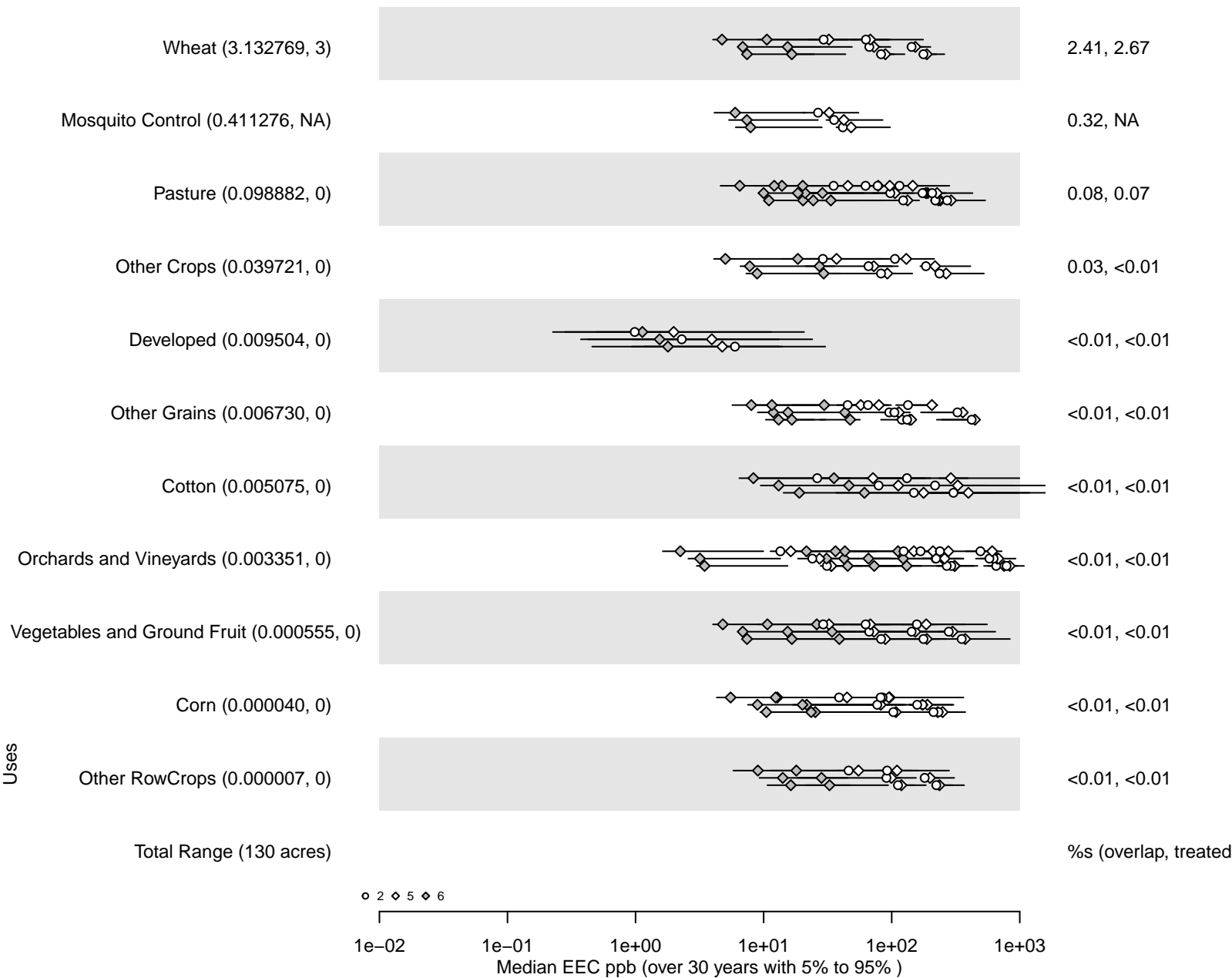


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:15b, bin:2,6,7
White River springfish (285) Range

Toxicities

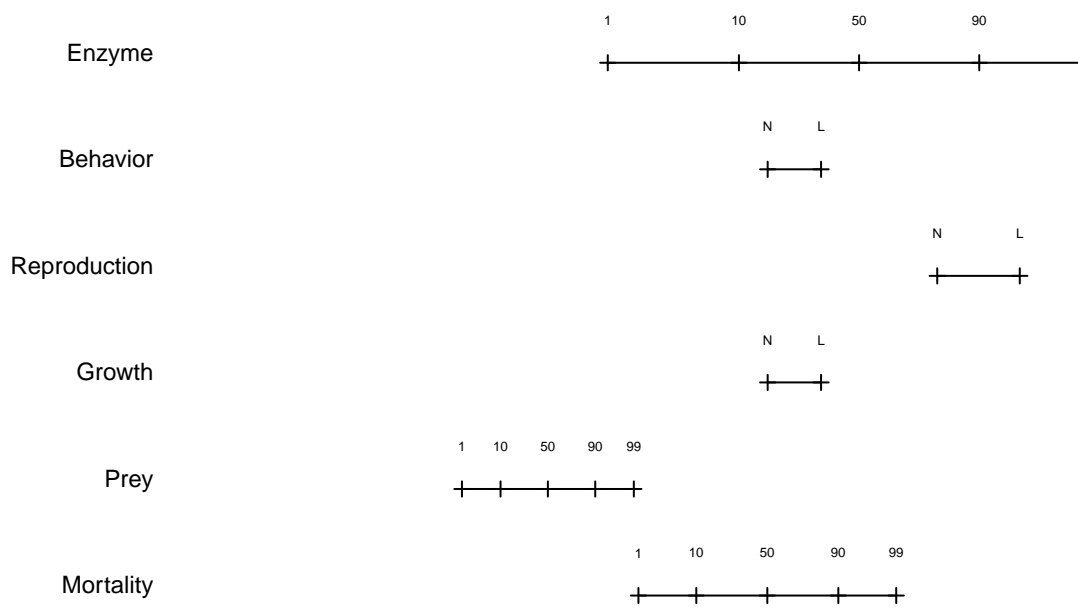


Uses

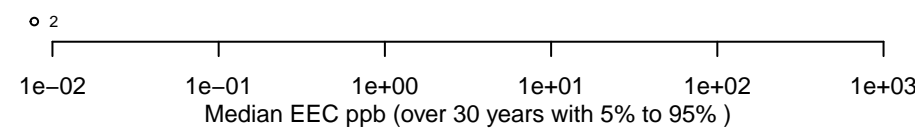
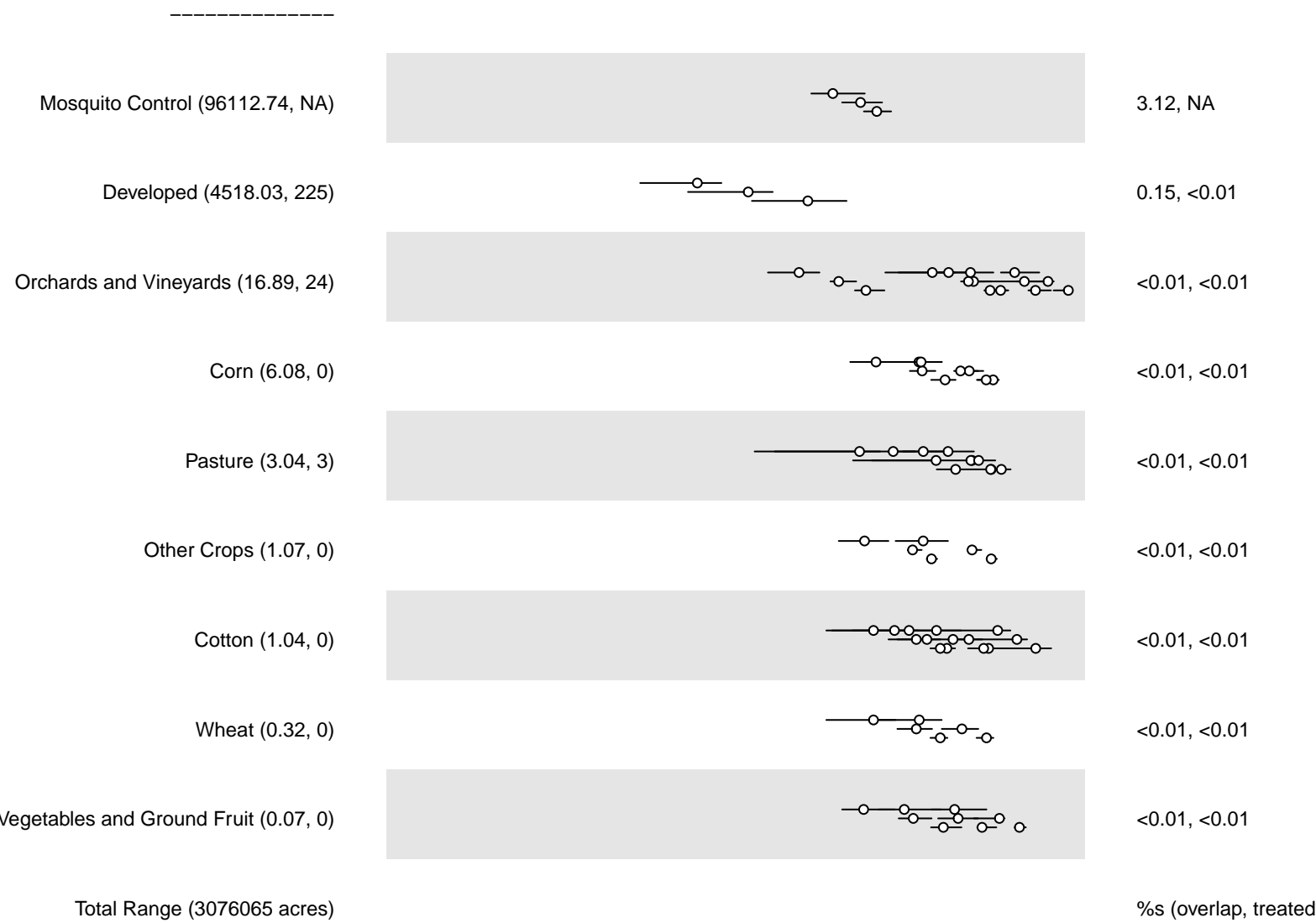


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:15b,16b, bin:2,5,6
Pahrump poolfish (8389) Range

Toxicities

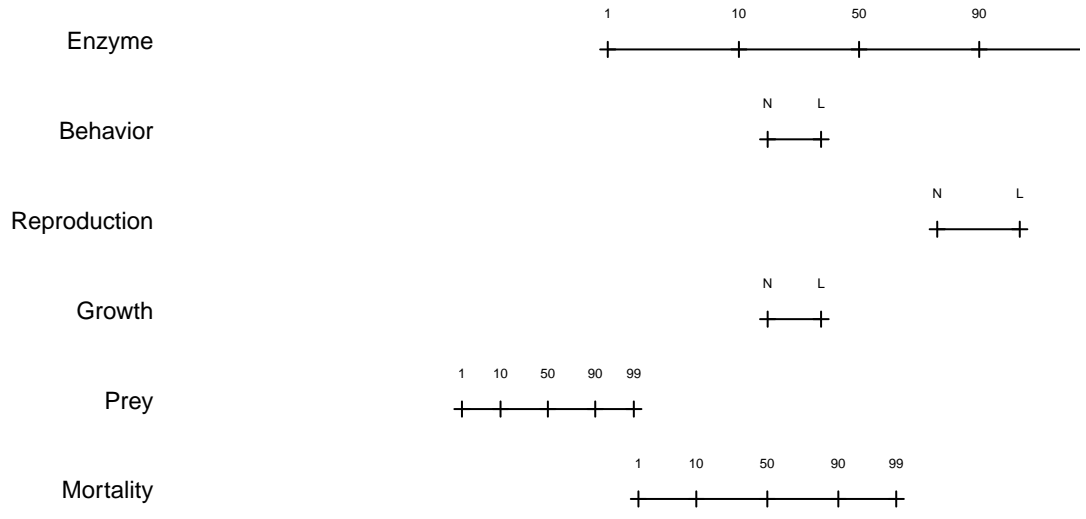


Uses

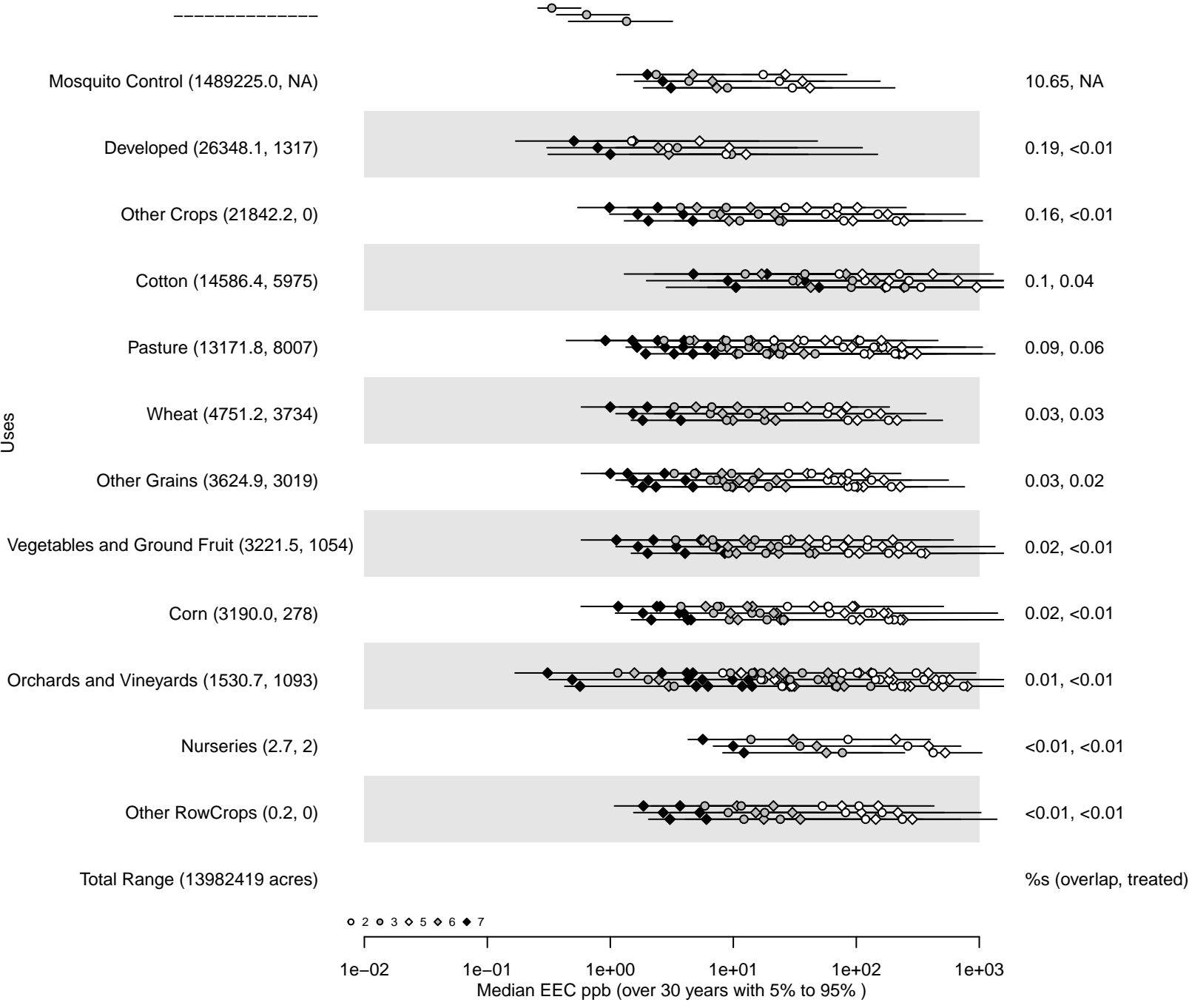


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:15b,15a, bin:2
Apache trout (220) Range

Toxicities

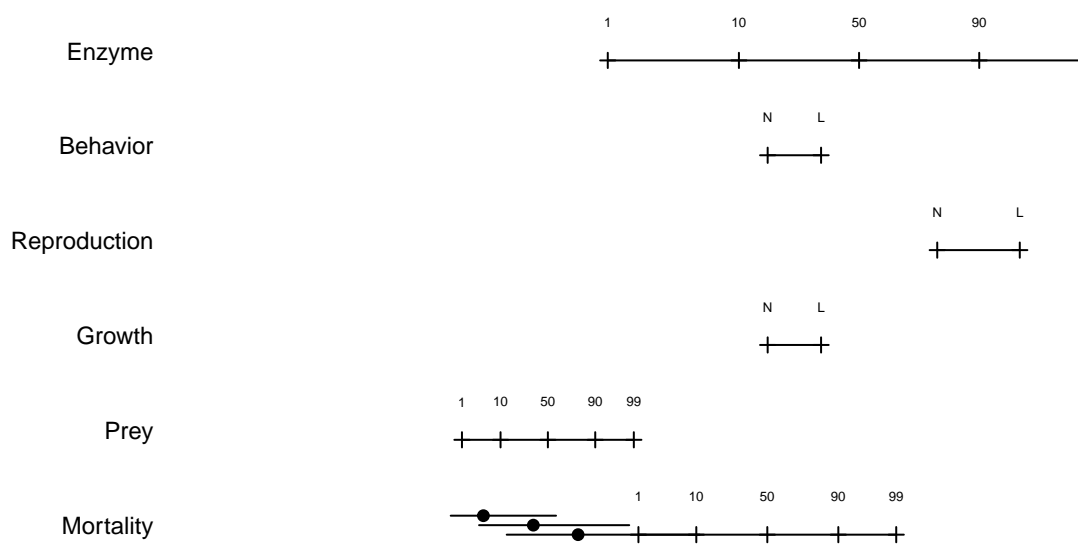


Uses

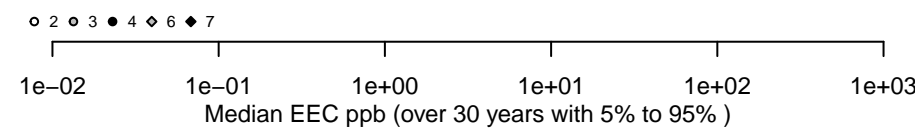
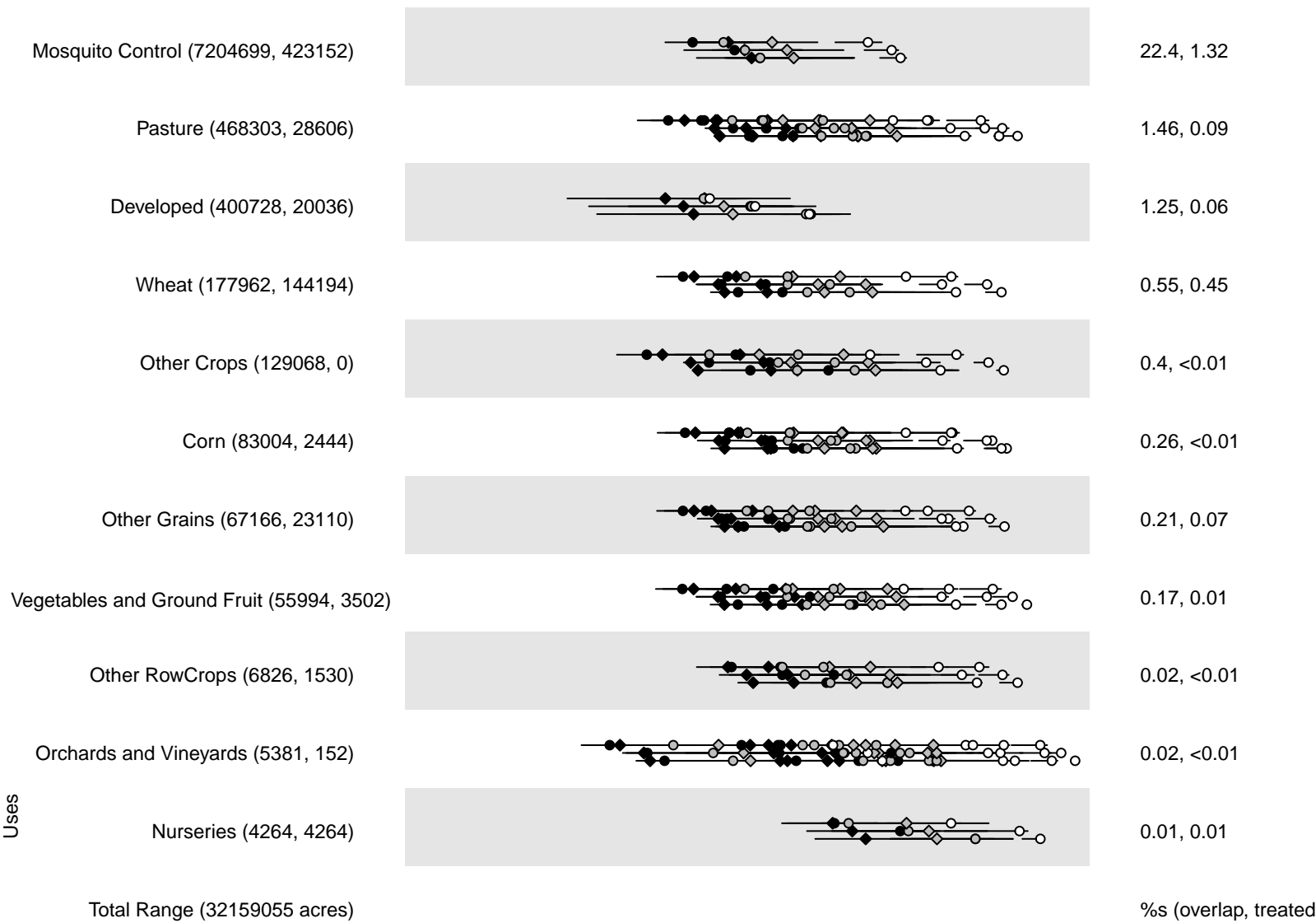


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:13,15a,15b, bin:2,3,5,6,7
Gila trout (221) Range

Toxicities

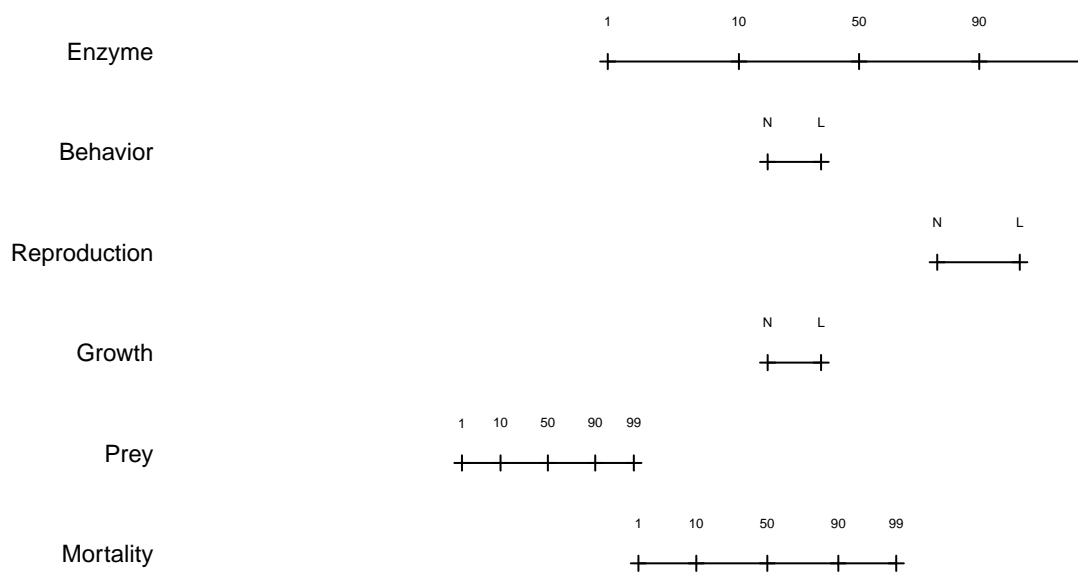


Uses

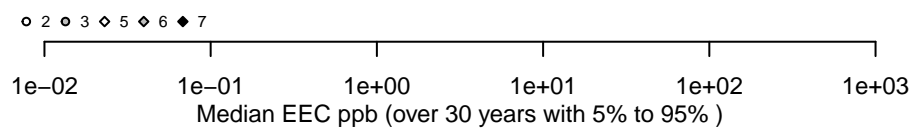
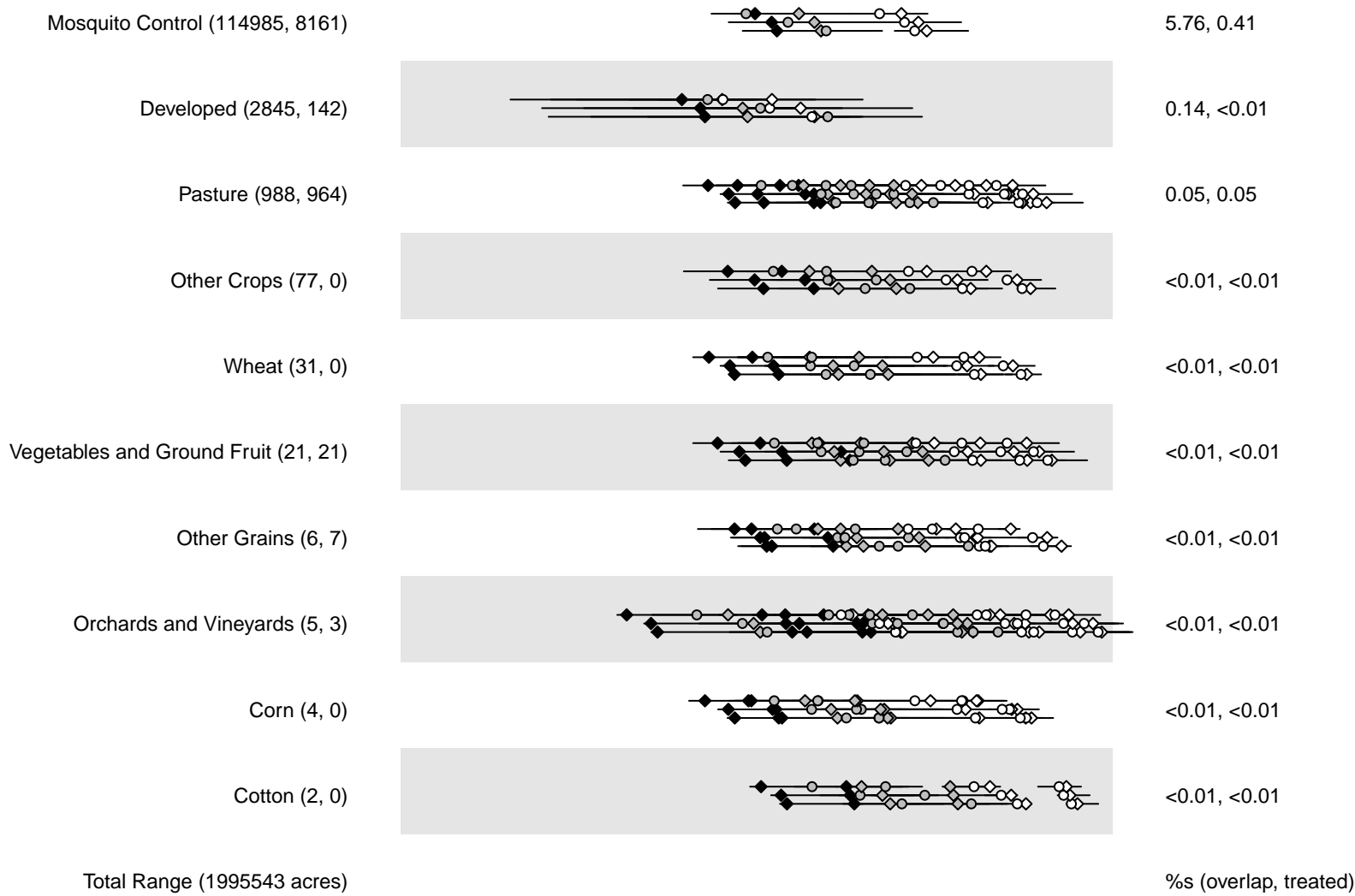


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:10a,10b,11a,11b,14, bin:2,3,4,6,7
Greenback Cutthroat trout (222) Range

Toxicities



Uses



malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:16a,16b,18a, bin:2,3,5,6,7
Paiute cutthroat trout (223) Range

Toxicities

Uses

Enzyme

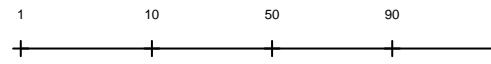
Behavior

Reproduction

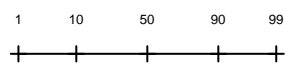
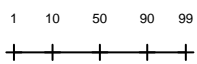
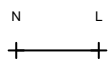
Growth

Prey

Mortality



N L



Mosquito Control (8554644, 290400)

13.59, 0.46

Wheat (469970, 75911)

0.75, 0.12

Pasture (398144, 64766)

0.63, 0.1

Developed (378718, 18942)

0.6, 0.03

Other Crops (133706, 10)

0.21, <0.01

Other Grains (31961, 6675)

0.05, 0.01

Corn (22930, 274)

0.04, <0.01

Vegetables and Ground Fruit (7586, 6422)

0.01, 0.01

Orchards and Vineyards (3751, 3575)

<0.01, <0.01

Cotton (244, 197)

<0.01, <0.01

Nurseries (233, 232)

<0.01, <0.01

Other RowCrops (149, 146)

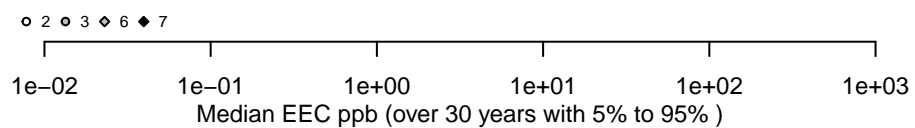
<0.01, <0.01

Christmas Trees (32, 21)

<0.01, <0.01

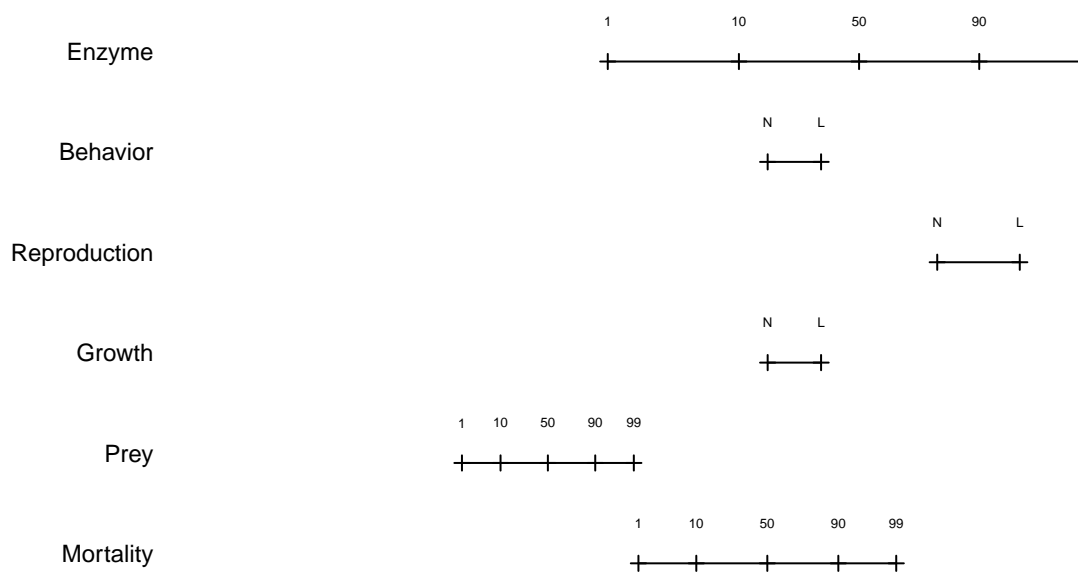
Total Range (62932804 acres)

%s (overlap, treated)

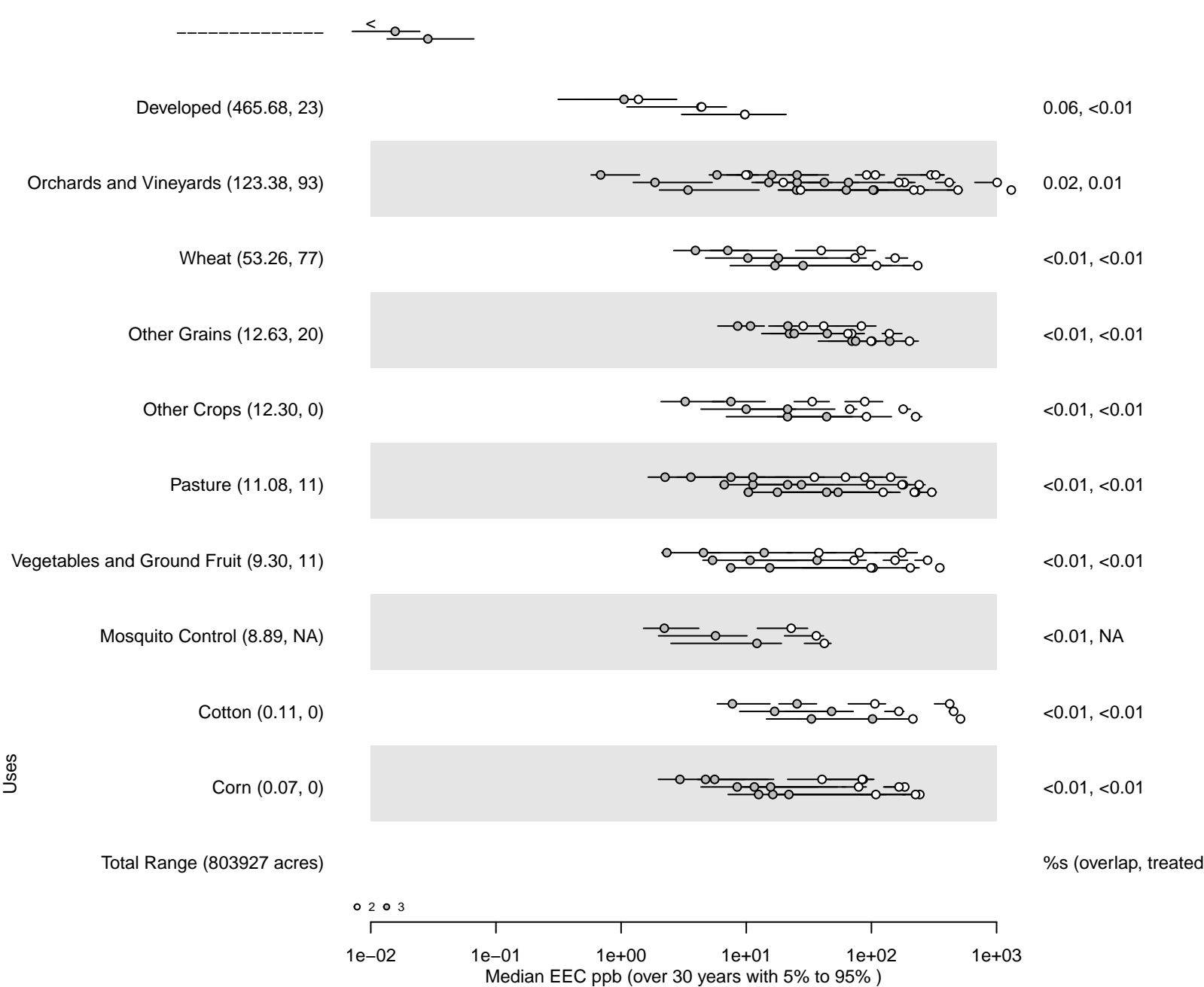


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:15b,16b,16a,17b,17a,18a,18b, bin:2,3,6,7
Lahontan cutthroat trout (233) Range

Toxicities



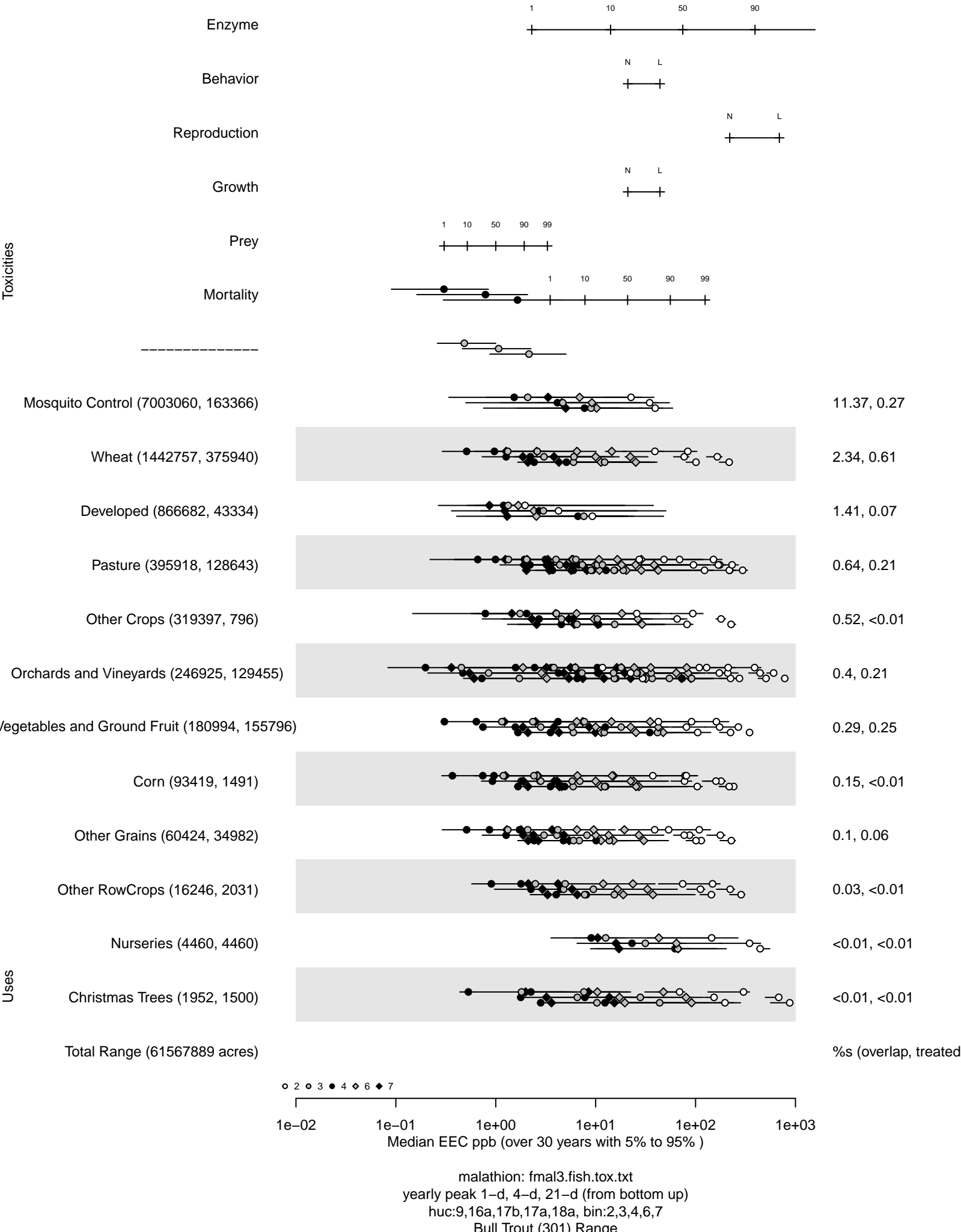
Uses



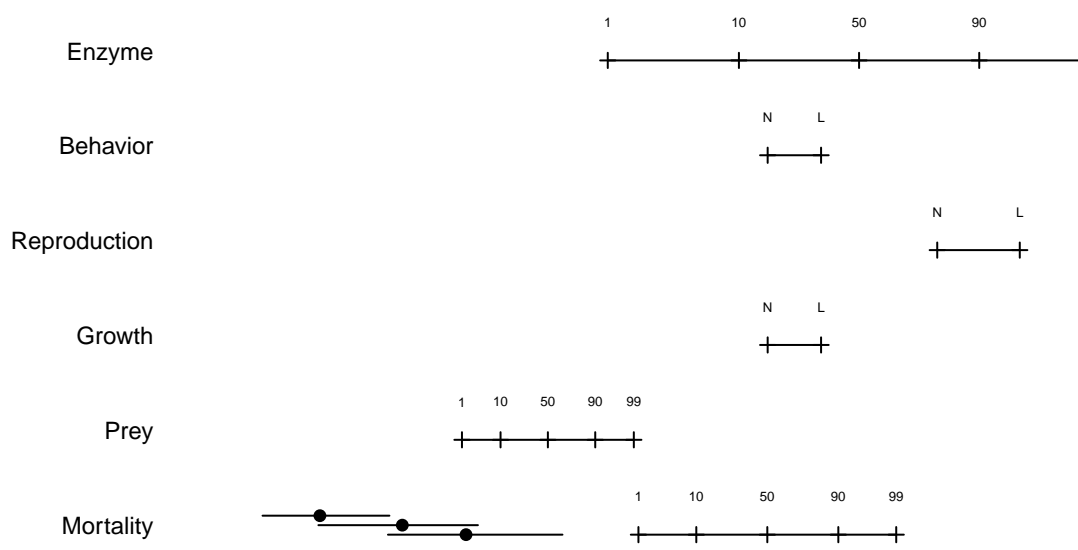
malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:18a, bin:2,3
Little Kern golden trout (248) Range

Toxicities

Uses



Toxicities



Vegetables and Ground Fruit (125079, 3163)

1.26, 0.06

0.6, 0.02

0.39, 0.01

0.14, <0.01

0.11, <0.01

0.02, <0.01

<0.01, <0.01

<0.01, <0.01

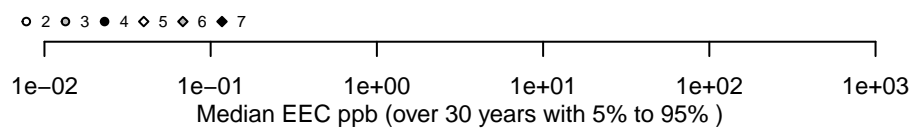
<0.01, <0.01

<0.01, <0.01

<0.01, <0.01

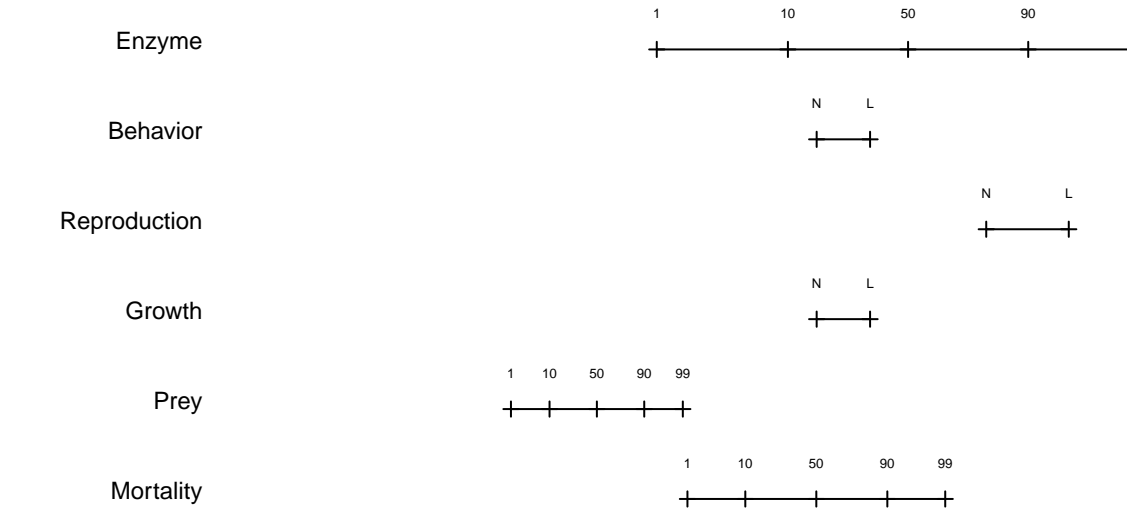
Uses

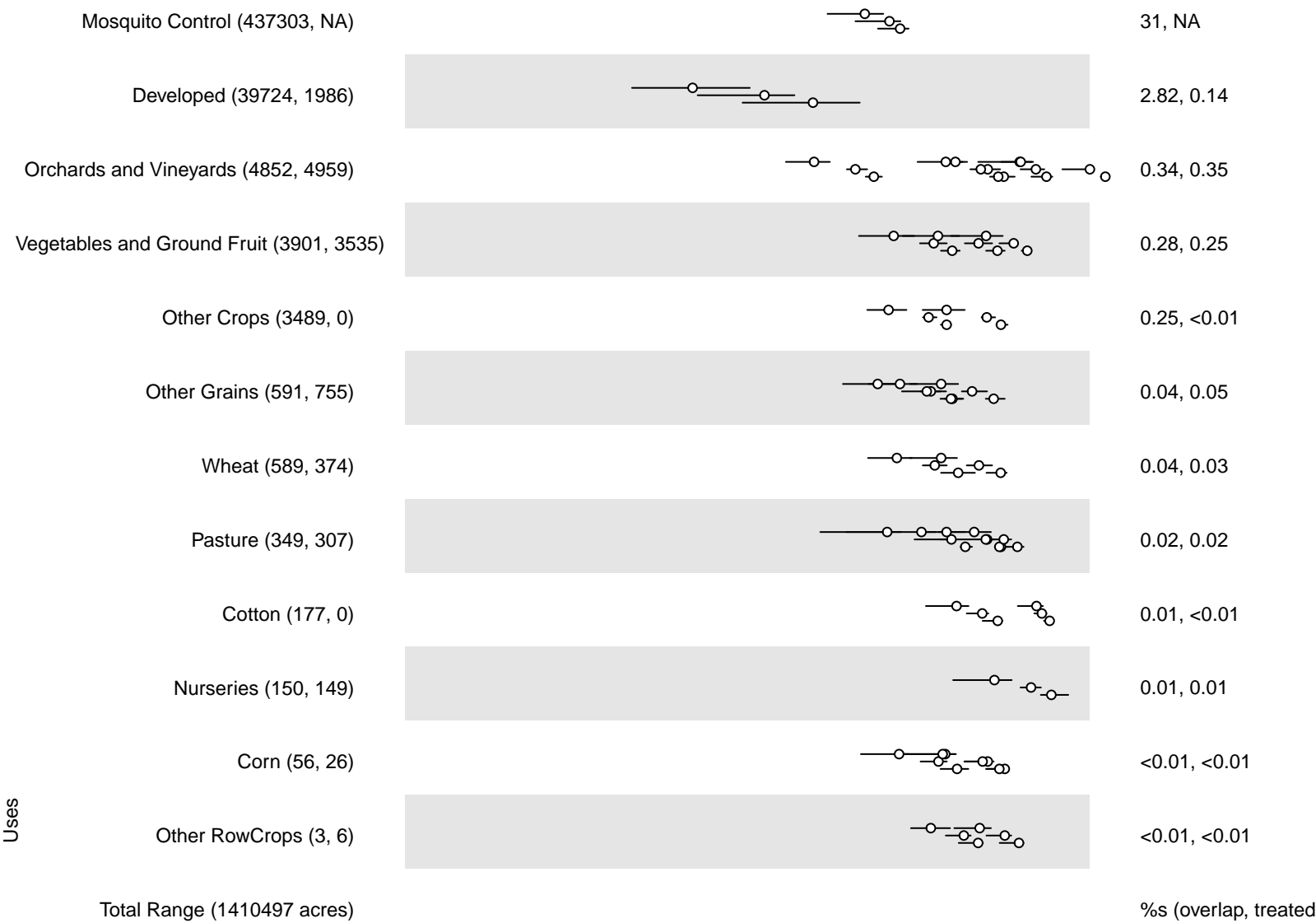
%s (overlap, treated)



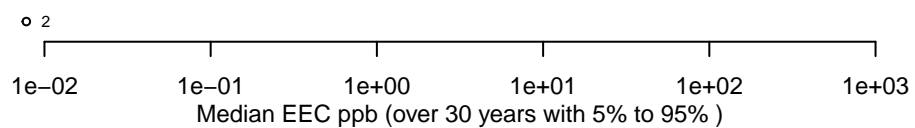
malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:1, bin:2,3,4,5,6,7
Atlantic salmon (10077) Range

Toxicities



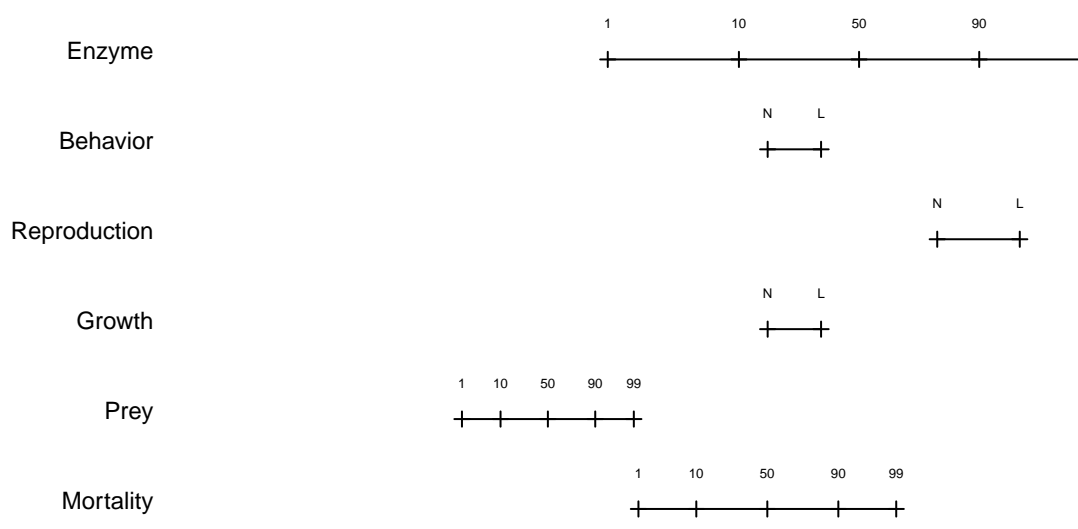


Uses

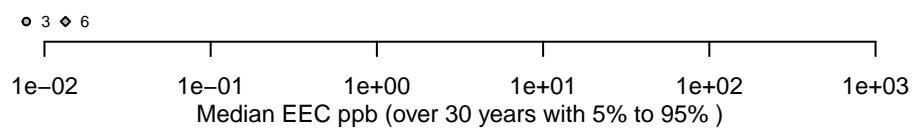
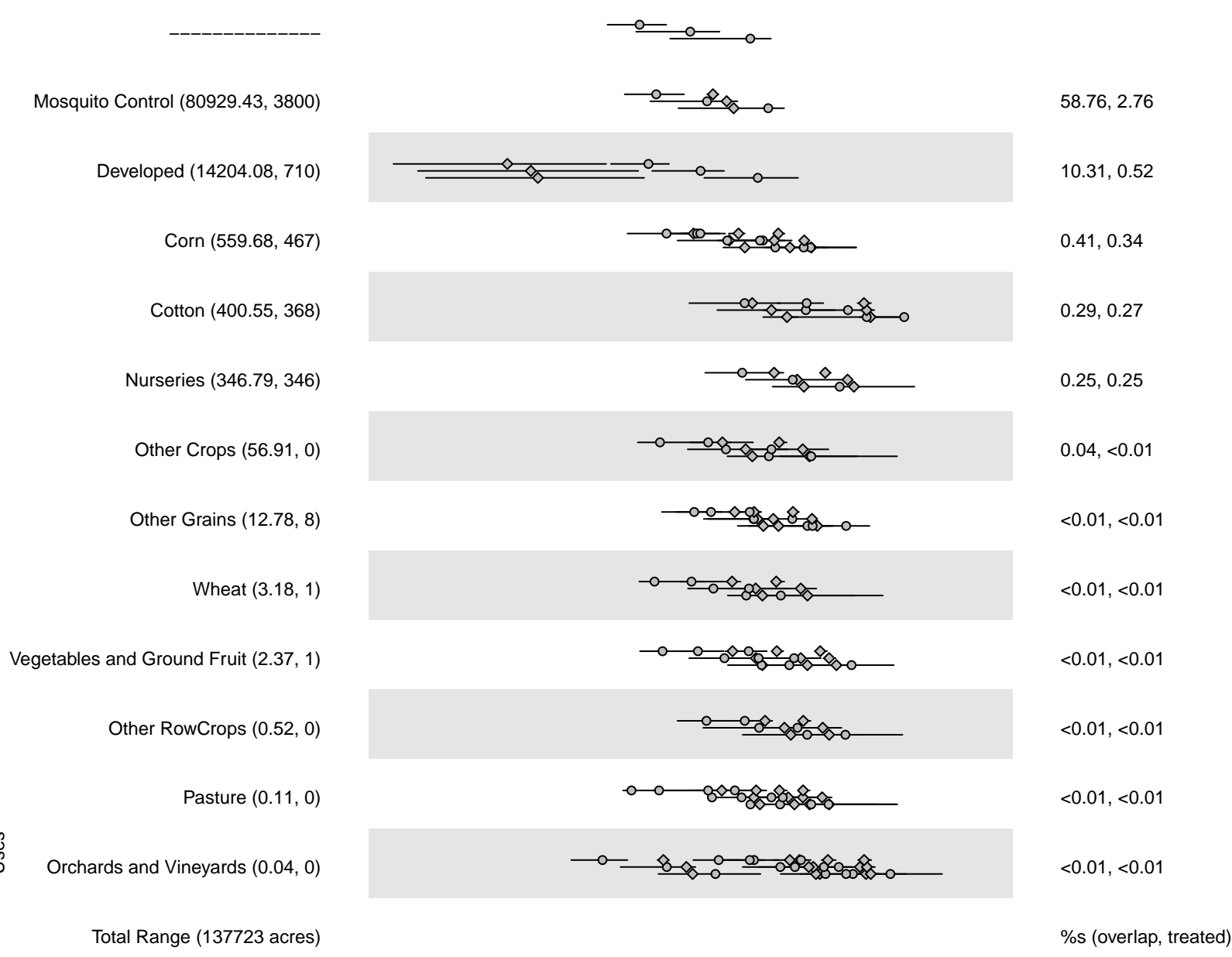


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:18a,18b, bin:2
Unarmored threespine stickleback (232) Range

Toxicities

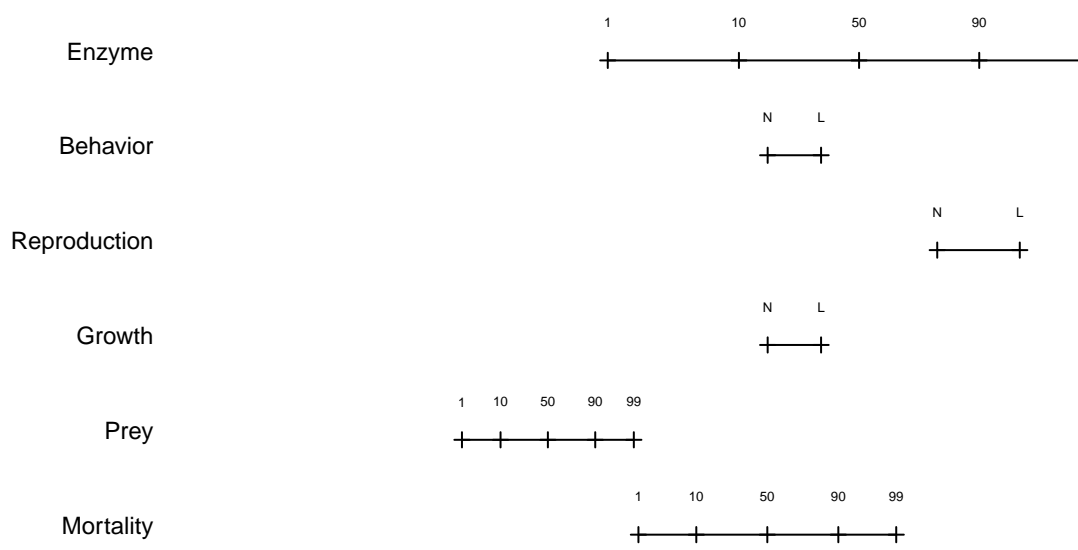


Uses

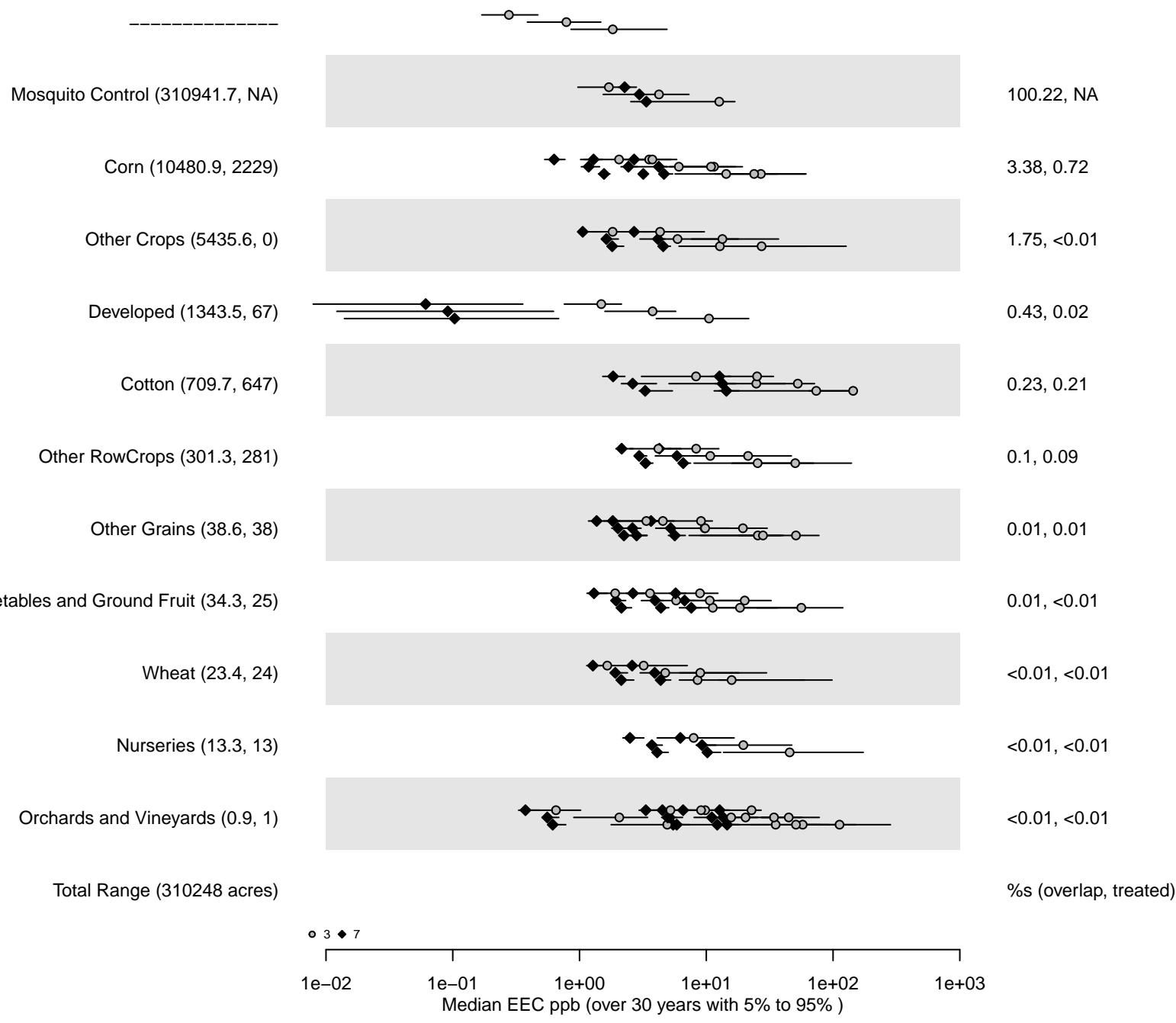


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:3, bin:3,6
Pygmy Sculpin (241) Range

Toxicities



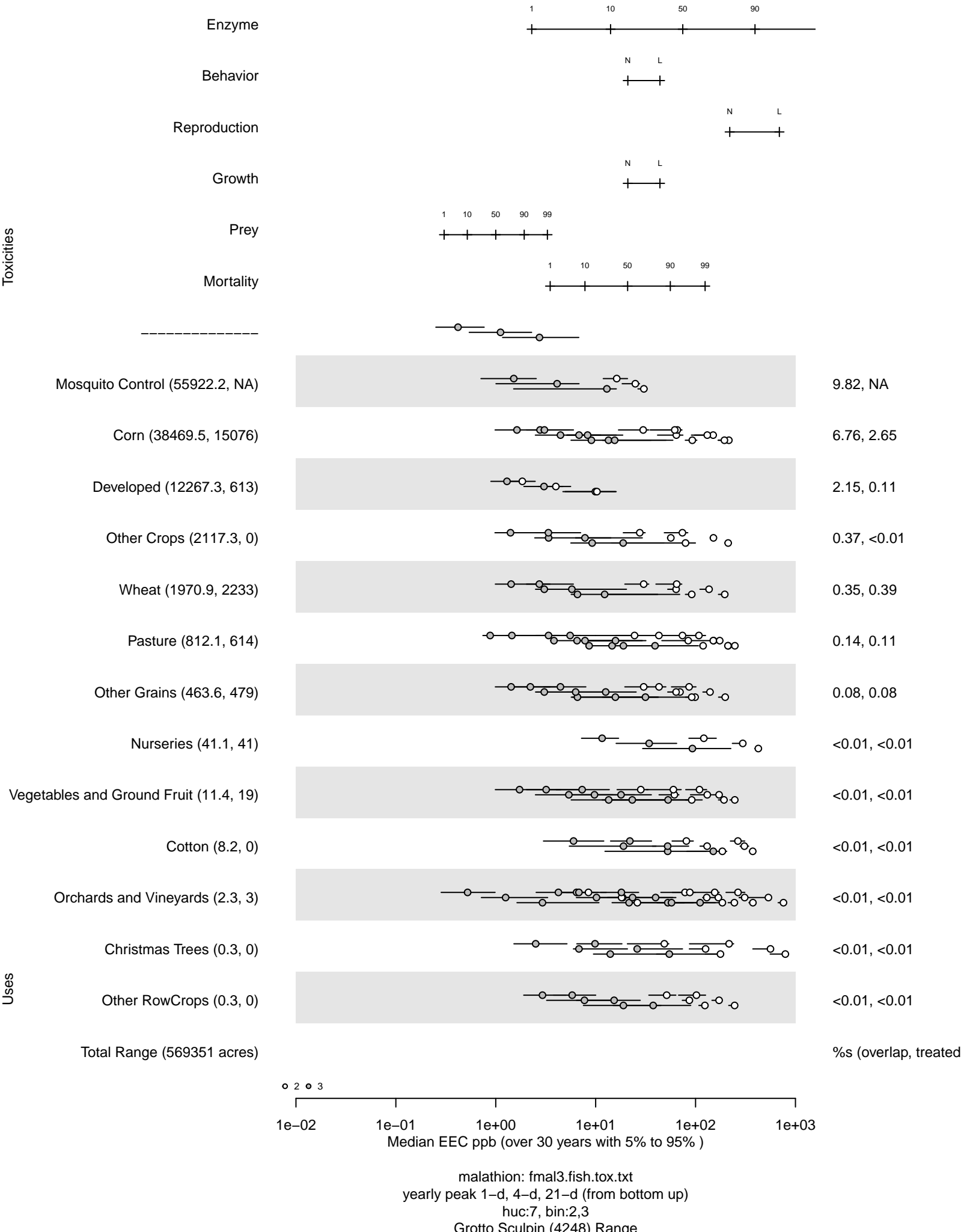
Uses



malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:3, bin:3,7
Waccamaw silverside (243) Range

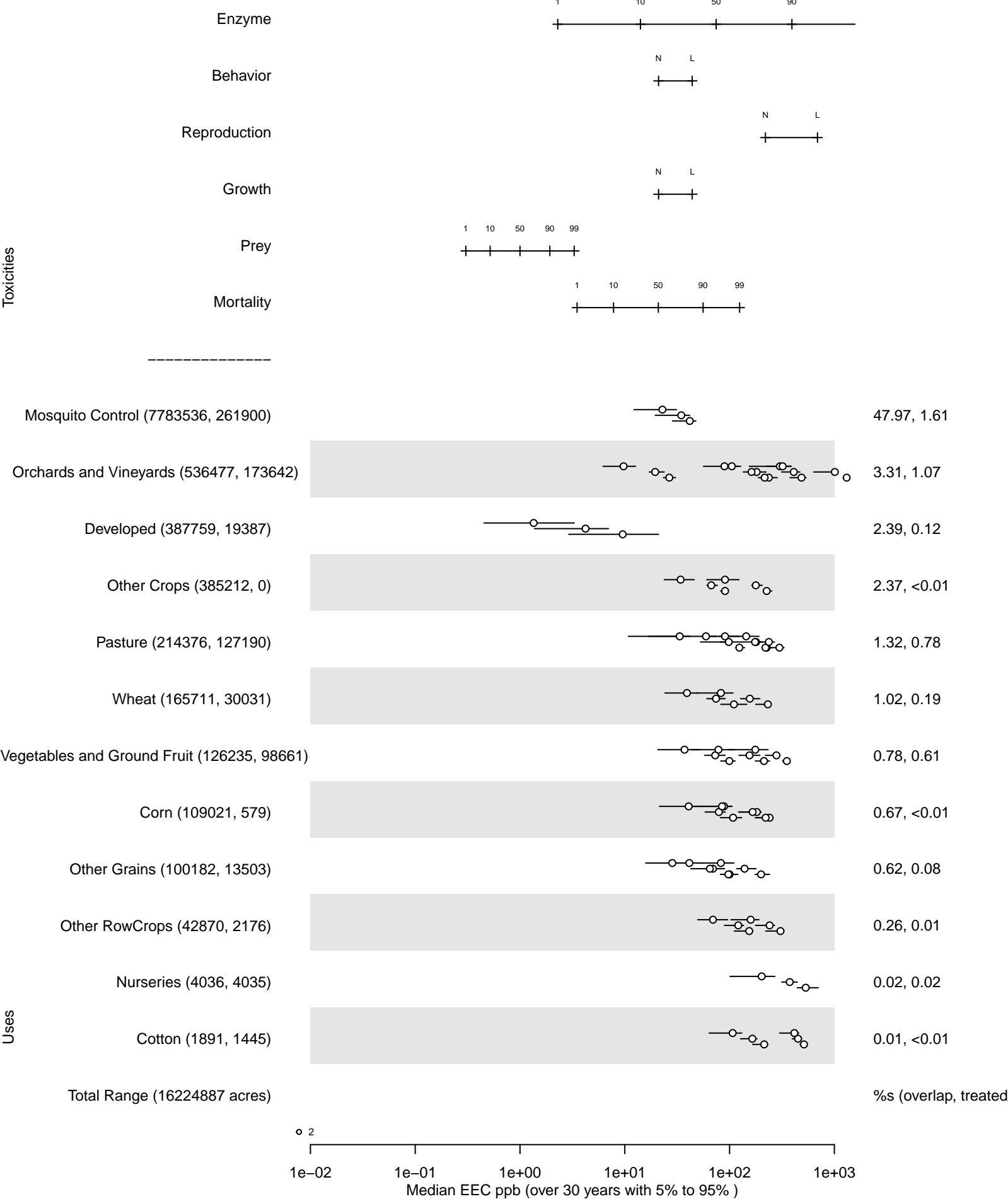
Toxicities

Uses



Toxicities

Uses



malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:18a,18b, bin:2
Delta smelt (305) Range

Toxicities

Uses

Enzyme

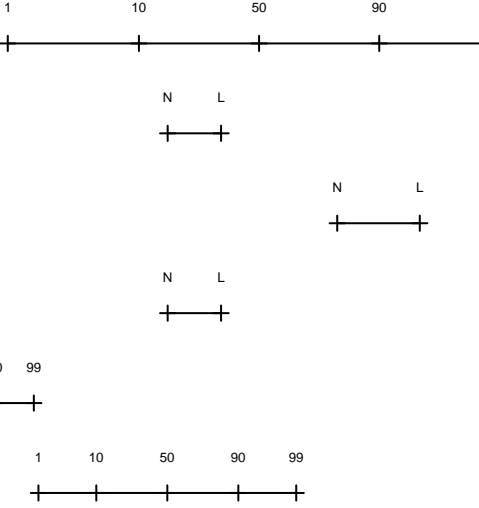
Behavior

Reproduction

Growth

Prey

Mortality



Mosquito Control (5399445, 162687)



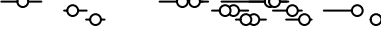
39.13, 1.18

Developed (707079, 35353)



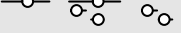
5.12, 0.26

Orchards and Vineyards (459968, 173487)



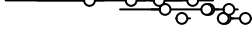
3.33, 1.26

Other Crops (350338, 0)



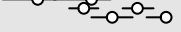
2.54, <0.01

Pasture (213798, 127190)



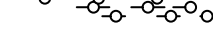
1.55, 0.92

Wheat (191395, 34163)



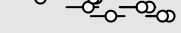
1.39, 0.25

Vegetables and Ground Fruit (136034, 98661)



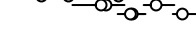
0.99, 0.71

Corn (108490, 579)



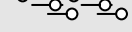
0.79, <0.01

Other Grains (100697, 13503)



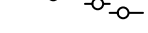
0.73, 0.1

Other RowCrops (45195, 2176)



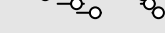
0.33, 0.02

Nurseries (5269, 5268)



0.04, 0.04

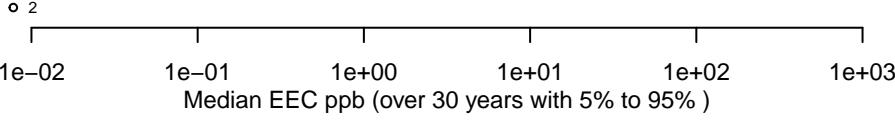
Cotton (1360, 923)



<0.01, <0.01

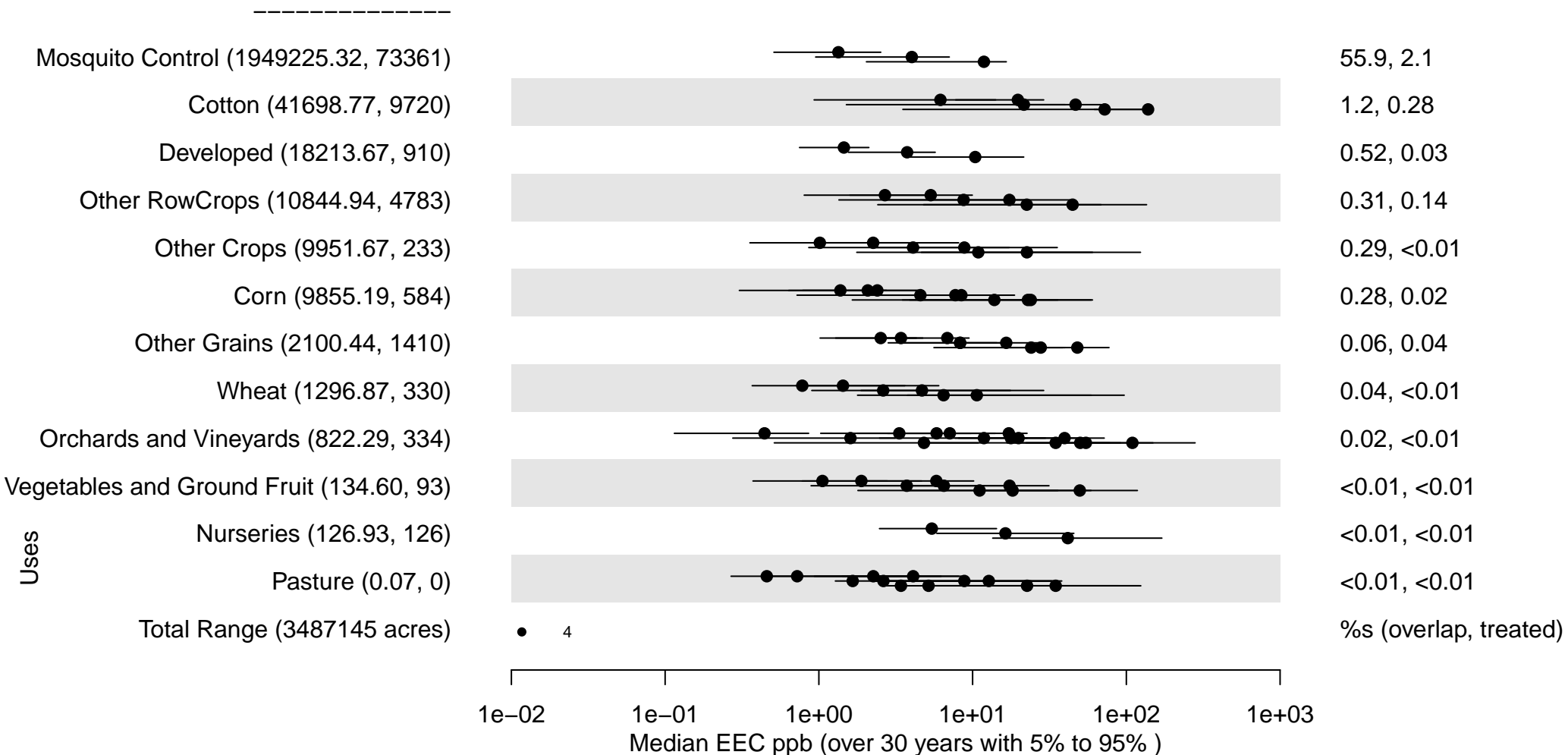
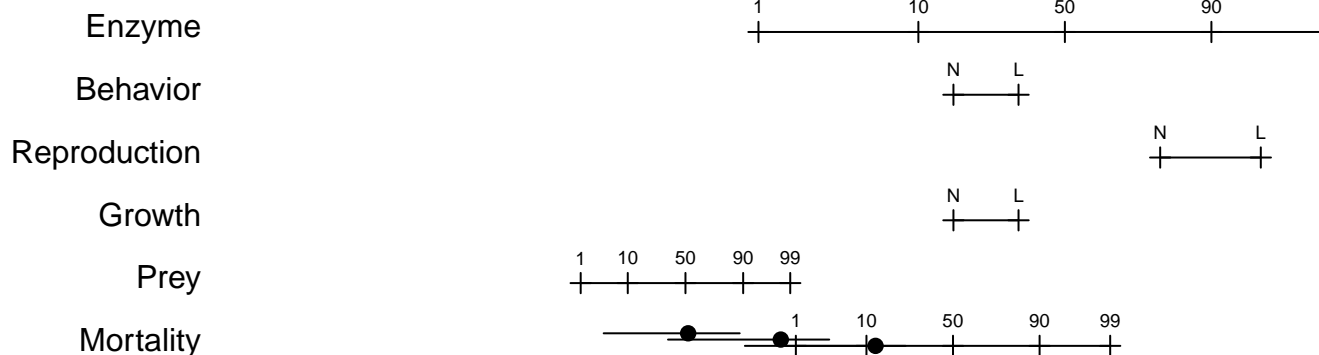
Total Range (13799960 acres)

%s (overlap, treated)



malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:18a,18b, bin:2
longfin smelt (11262) Range

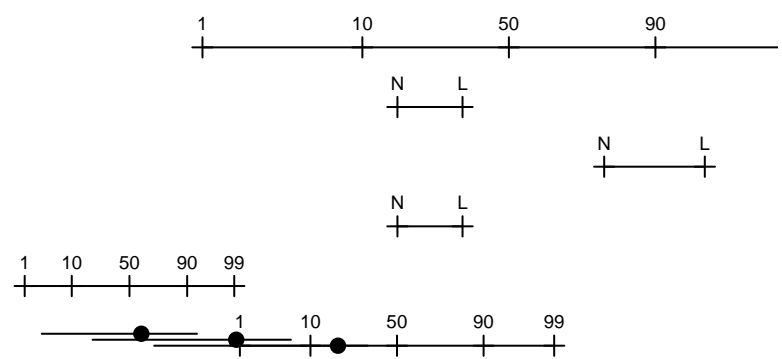
Toxicities



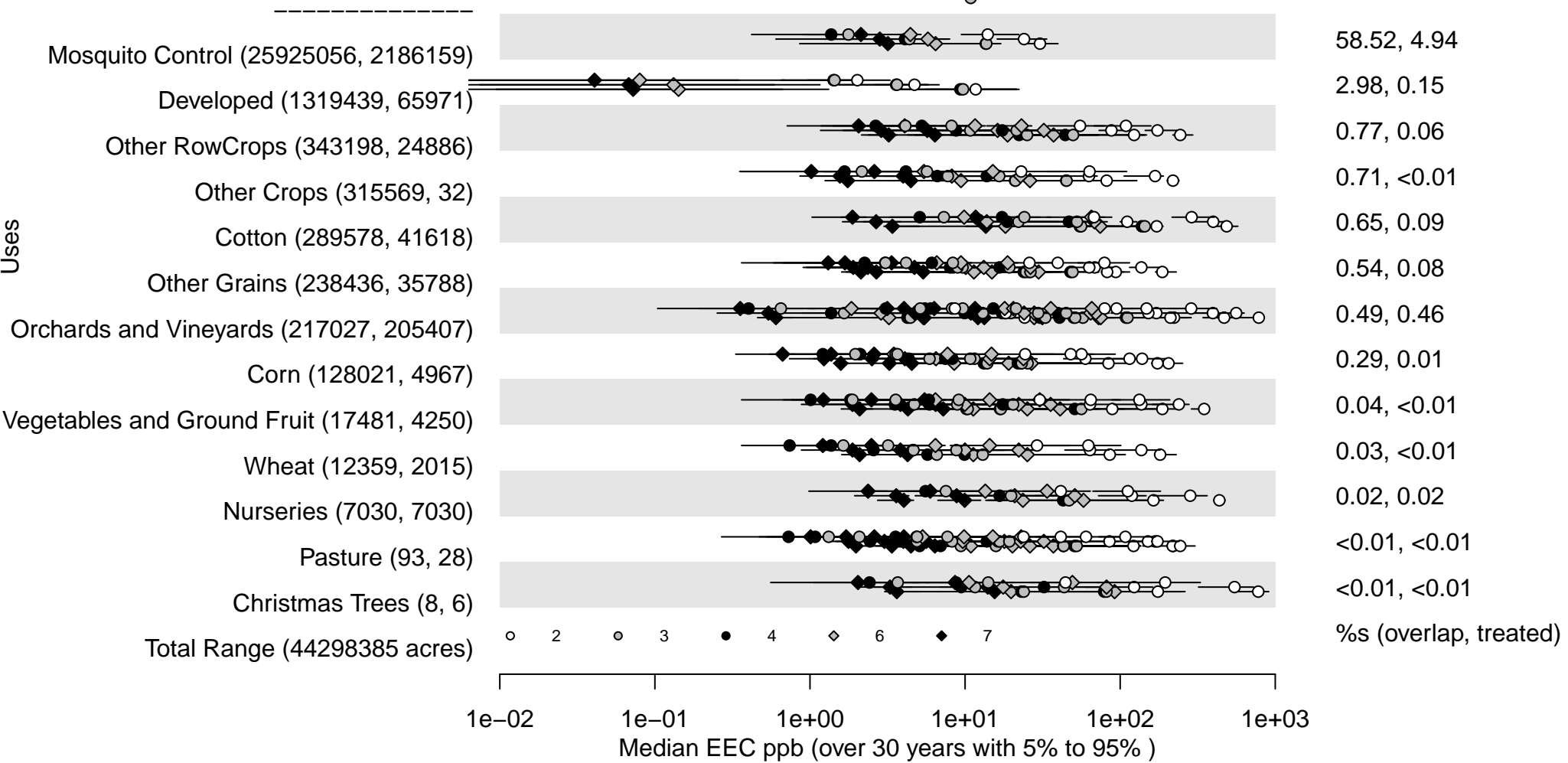
malathion: fmal3.fish.tox.txt
 yearly peak 1-d, 4-d, 21-d (from bottom up)
 huc:3, bin:4
 Alabama sturgeon (252) Range

Toxicities

Enzyme
Behavior
Reproduction
Growth
Prey
Mortality



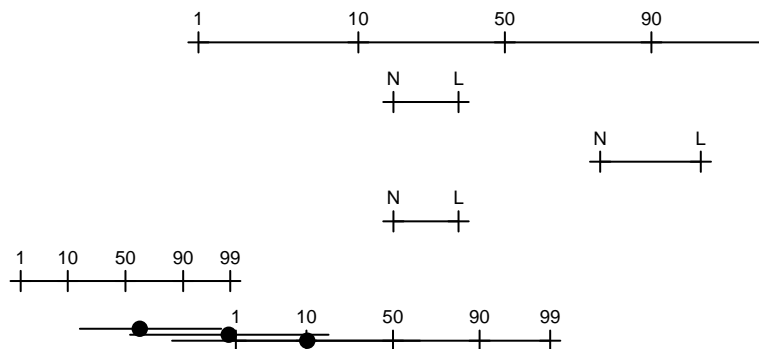
Uses



malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:3,8, bin:2,3,4,6,7
Gulf sturgeon (286) Range

Toxicities

Enzyme
Behavior
Reproduction
Growth
Prey
Mortality



Vegetables and Ground Fruit (964359, 88054)

Mosquito Control (39068114, 1177214)

Corn (8303503, 113071)

Wheat (7738179, 499729)

Other Crops (2431925, 892)

Other Grains (1840903, 162256)

Pasture (1802175, 178973)

Developed (1788428, 89421)

Other RowCrops (699097, 37382)

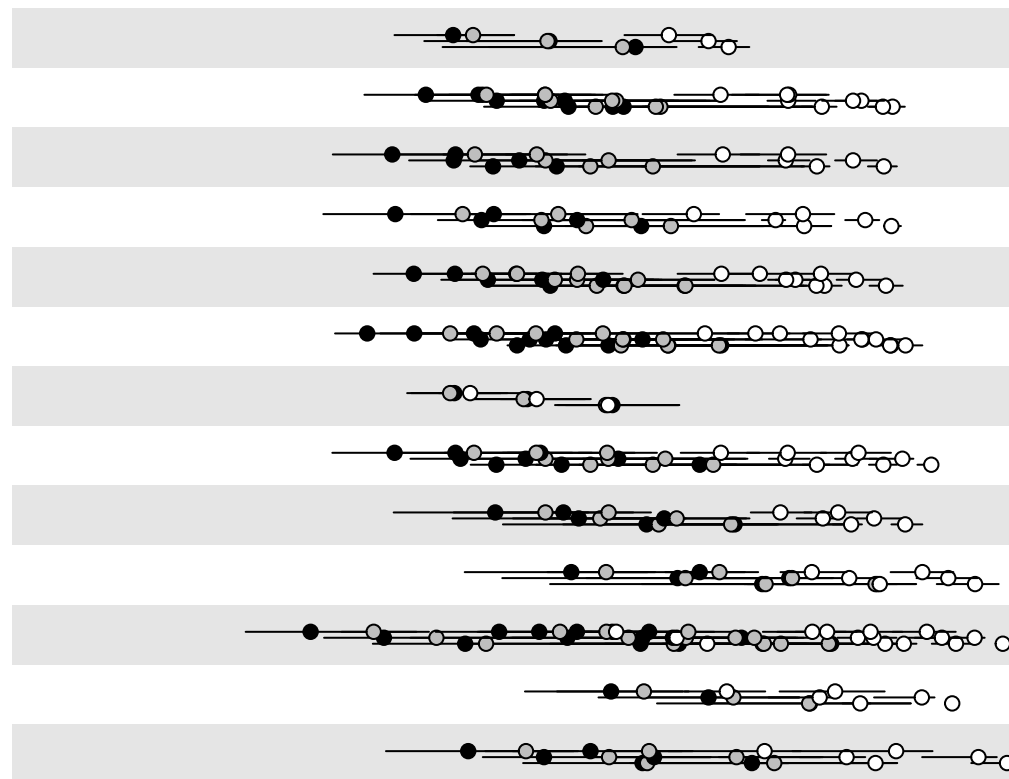
Cotton (550550, 76884)

Orchards and Vineyards (27058, 5732)

Nurseries (6716, 6716)

Christmas Trees (64, 64)

Total Range (112391886 acres)



34.76, 1.05

7.39, 0.1

6.88, 0.44

2.16, <0.01

1.64, 0.14

1.6, 0.16

1.59, 0.08

0.86, 0.08

0.62, 0.03

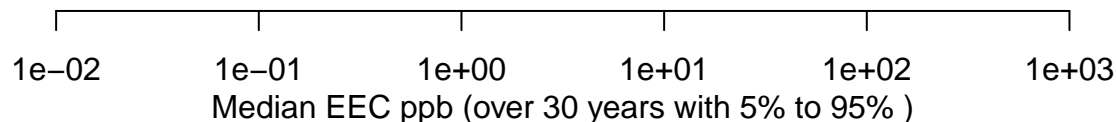
0.49, 0.07

0.02, <0.01

<0.01, <0.01

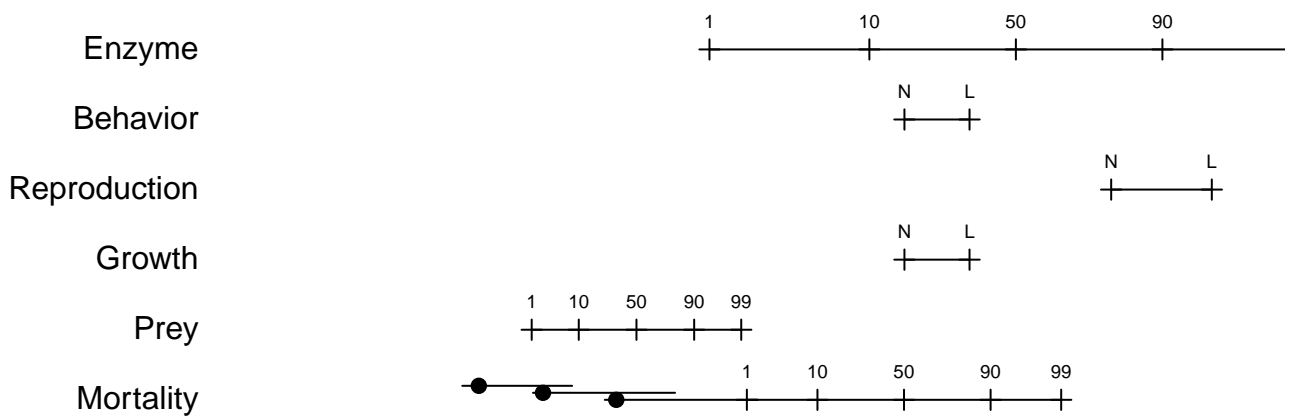
<0.01, <0.01

%s (overlap, treated)

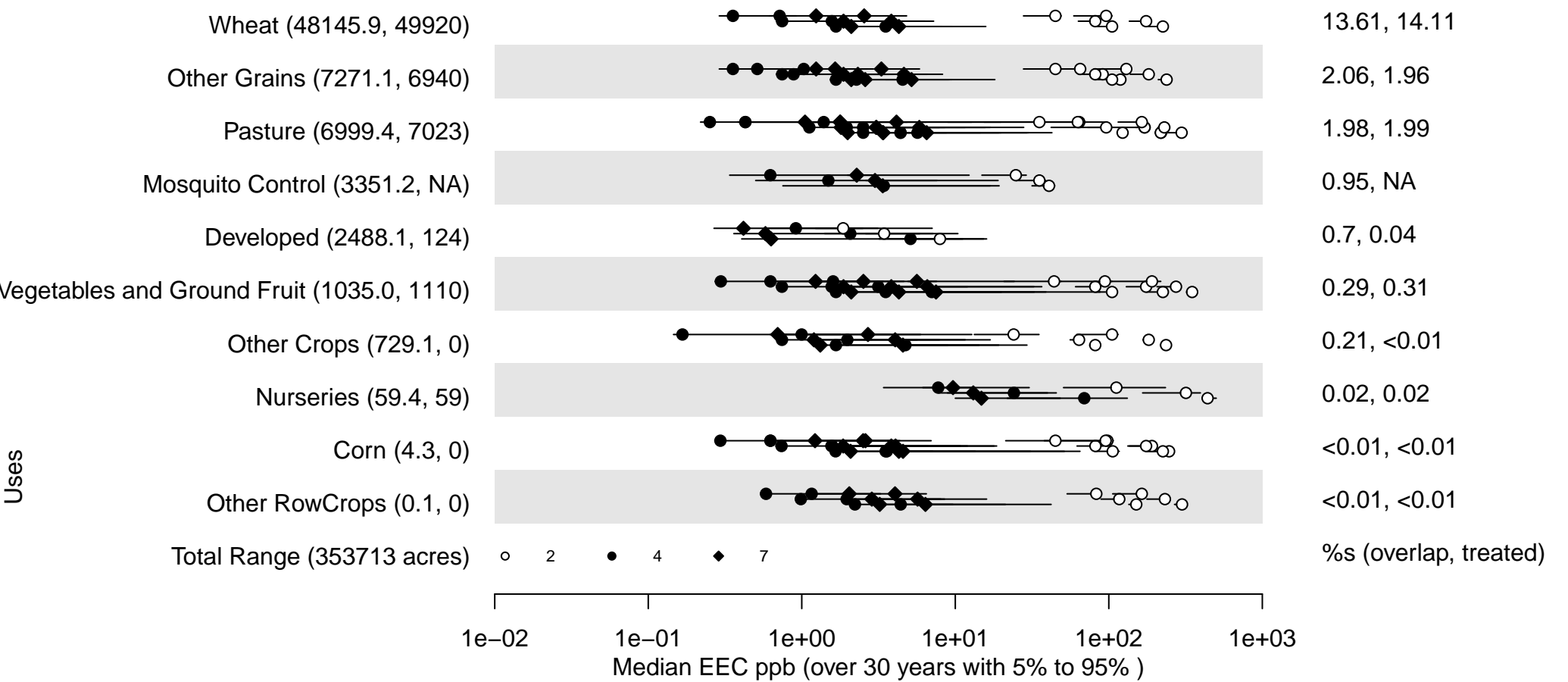


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:5,7,8,9,10b,10a,11a,12a, bin:2,3,4
Pallid sturgeon (303) Range

Toxicities



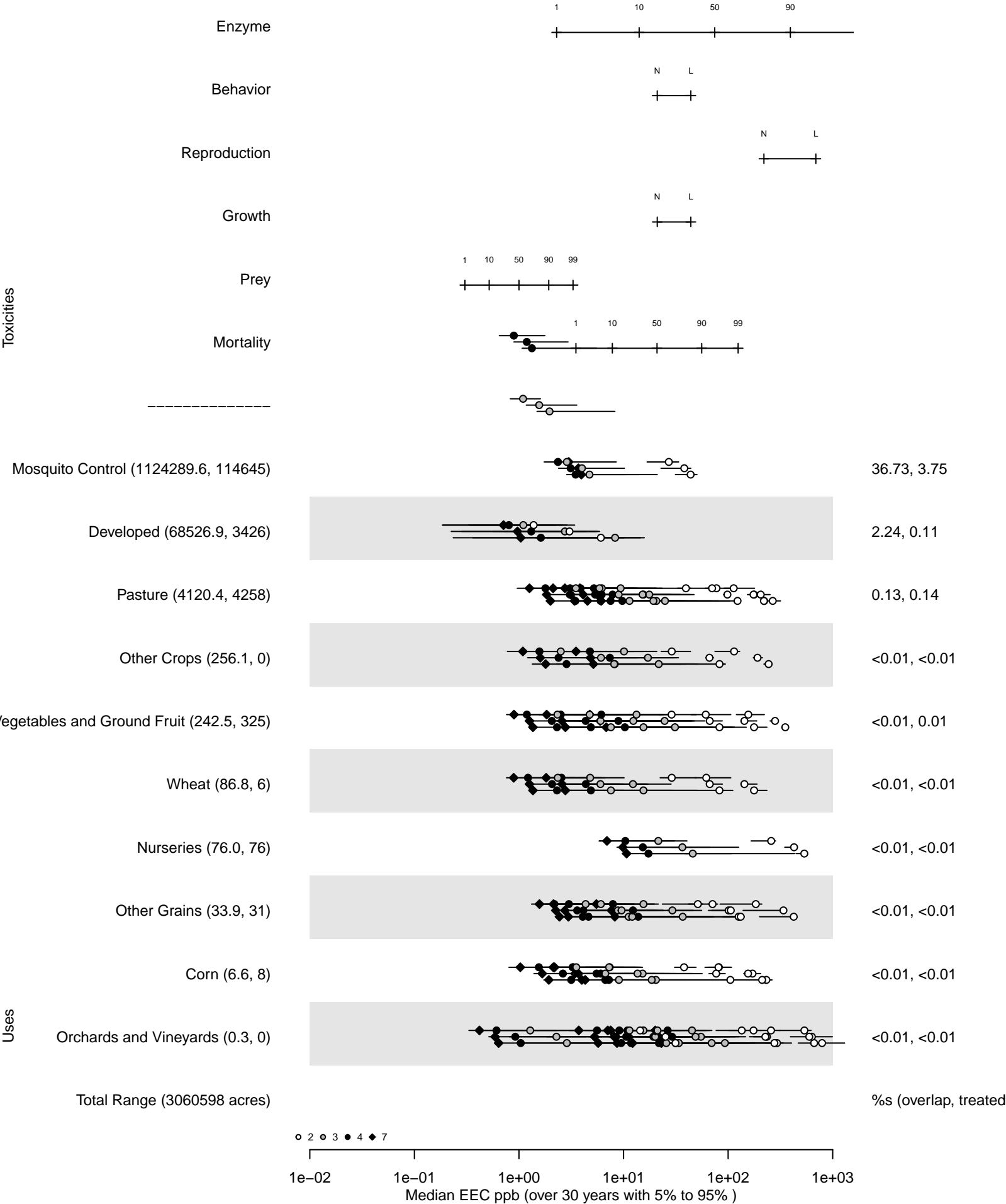
Uses



malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:17a,17b, bin:2,4,7
White sturgeon (314) Range

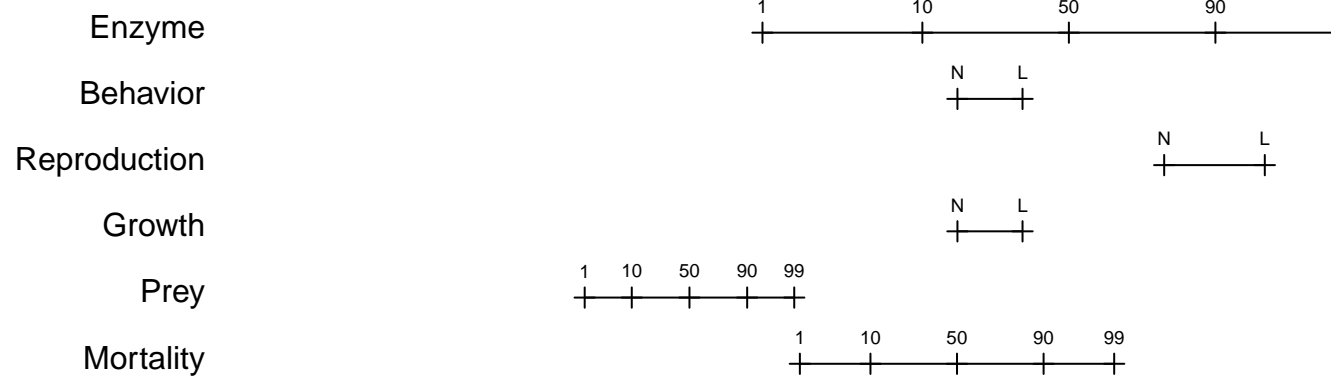
Toxicities

Uses

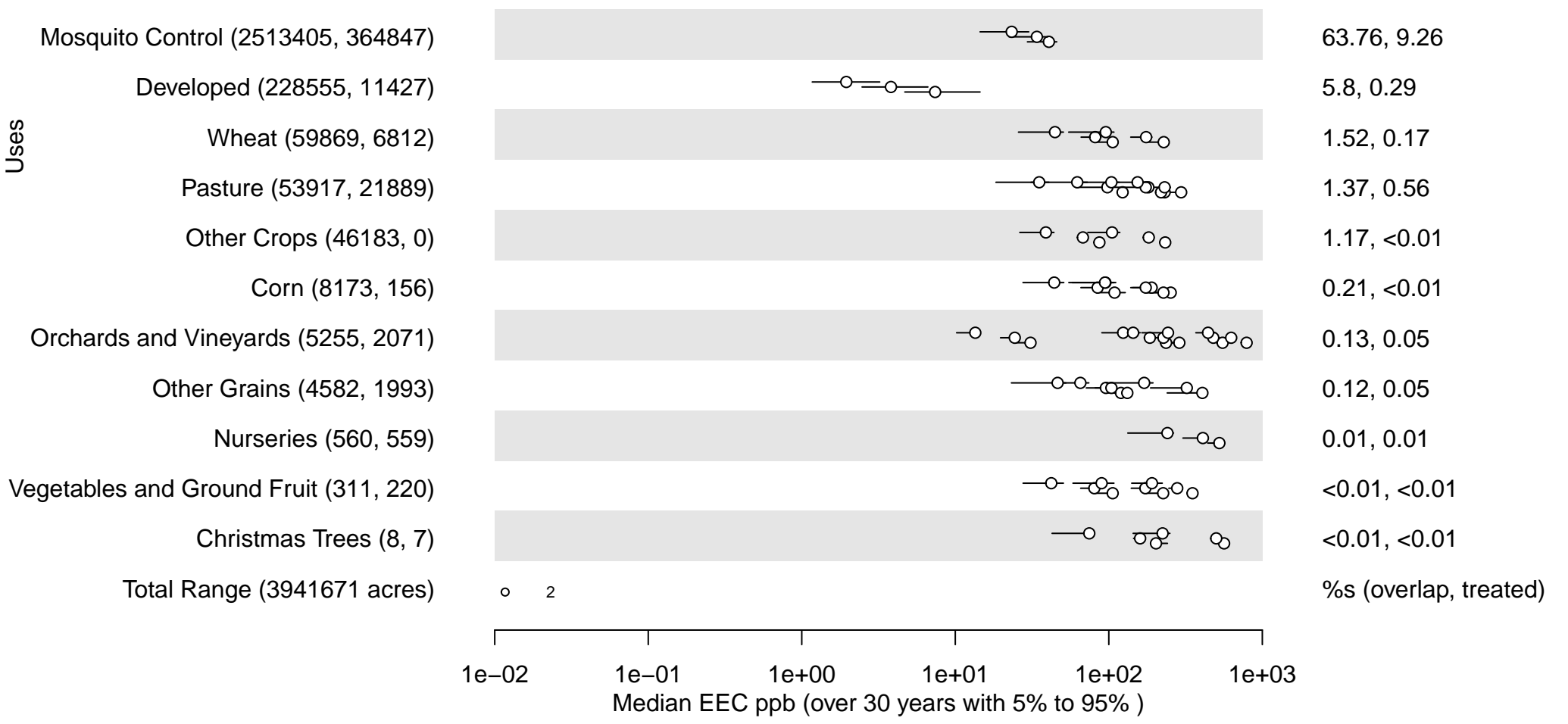


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:16b,16a,18a,18b, bin:2,3,4,7
Cui-ui (210) Range

Toxicities

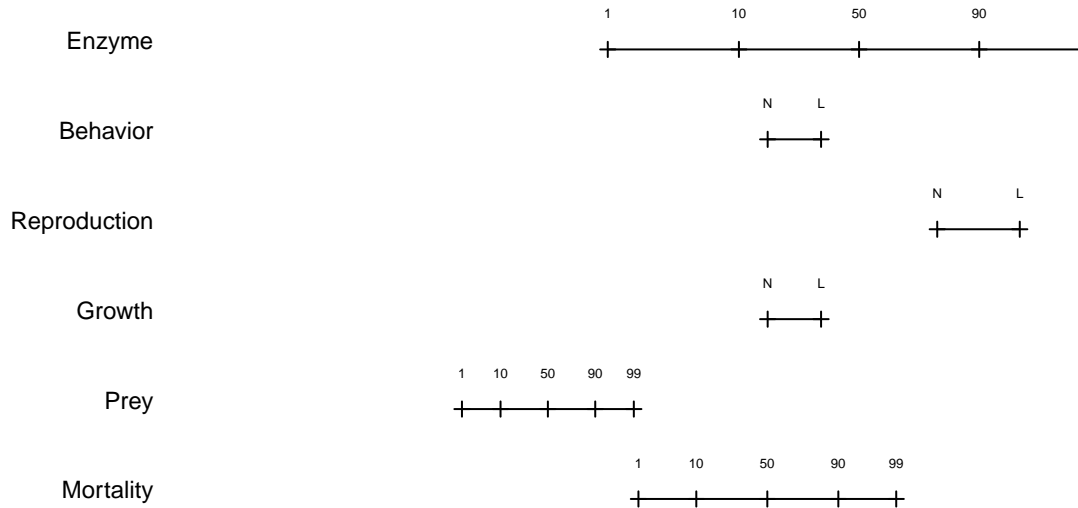


Uses

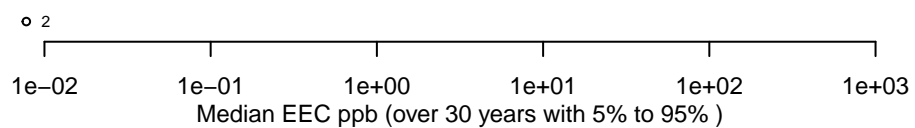
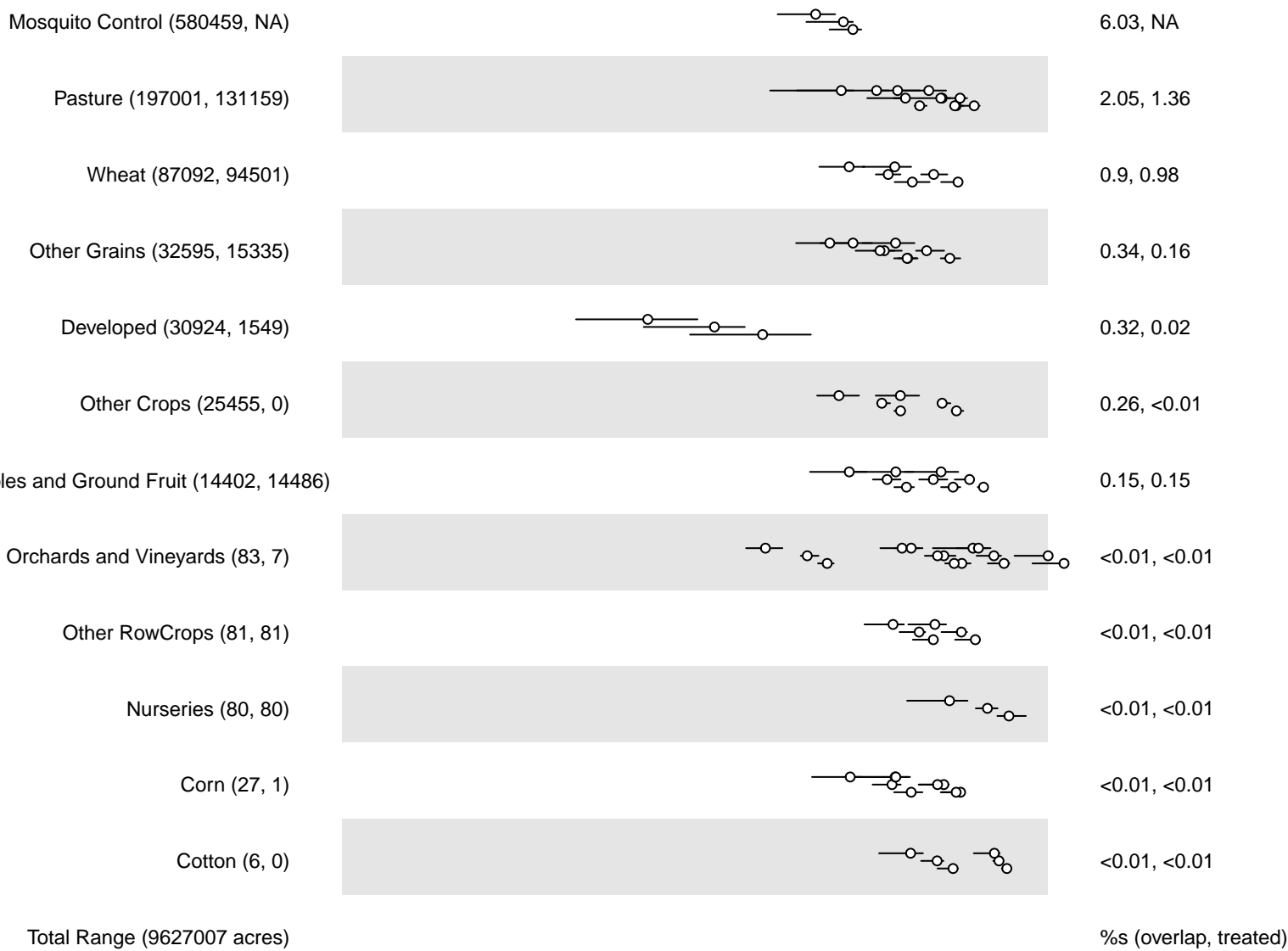


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:14,16a,16b, bin:2
June sucker (287) Range

Toxicities



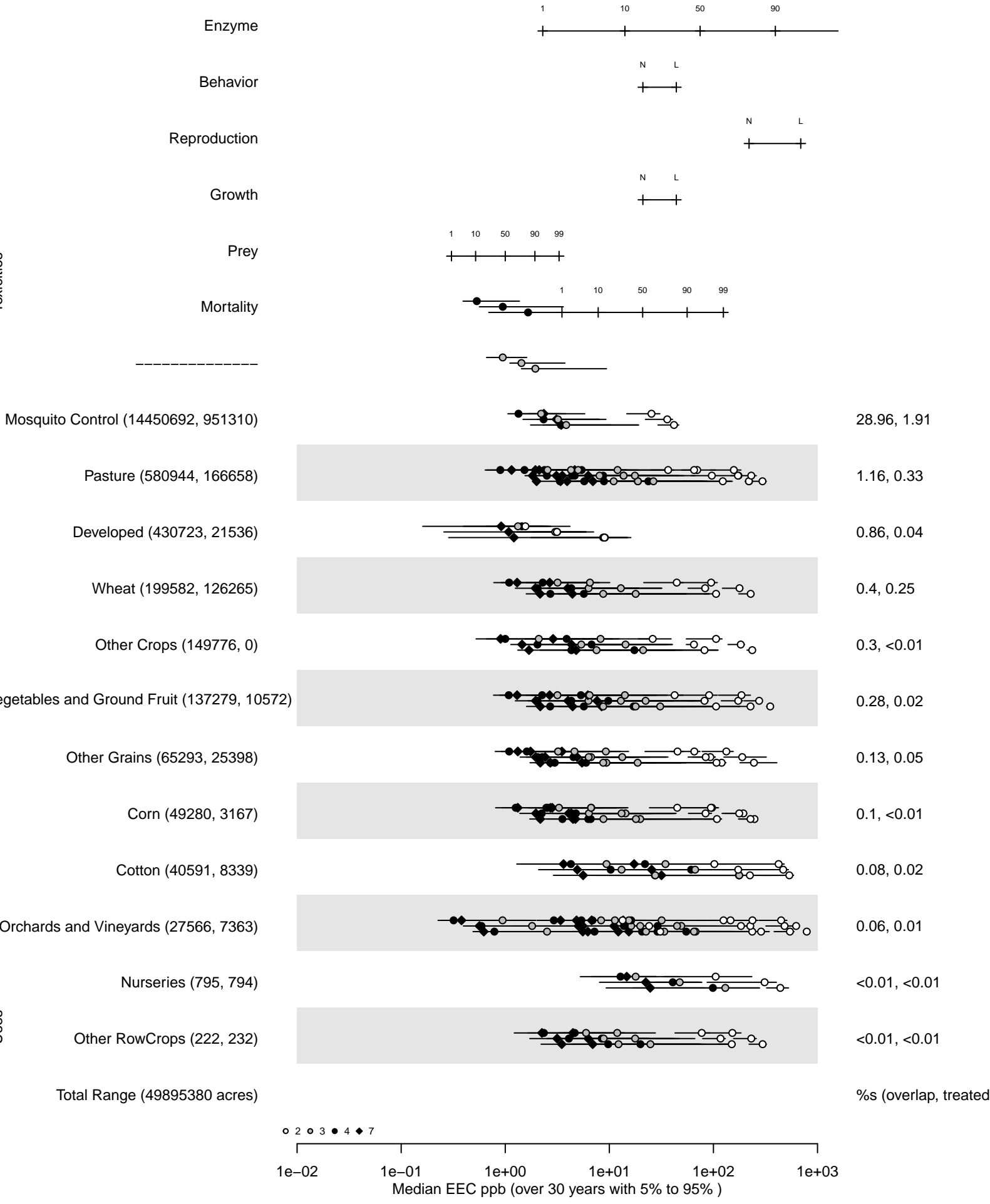
Uses



malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:17a,17b,18a,18b, bin:2
Lost River sucker (288) Range

Toxicities

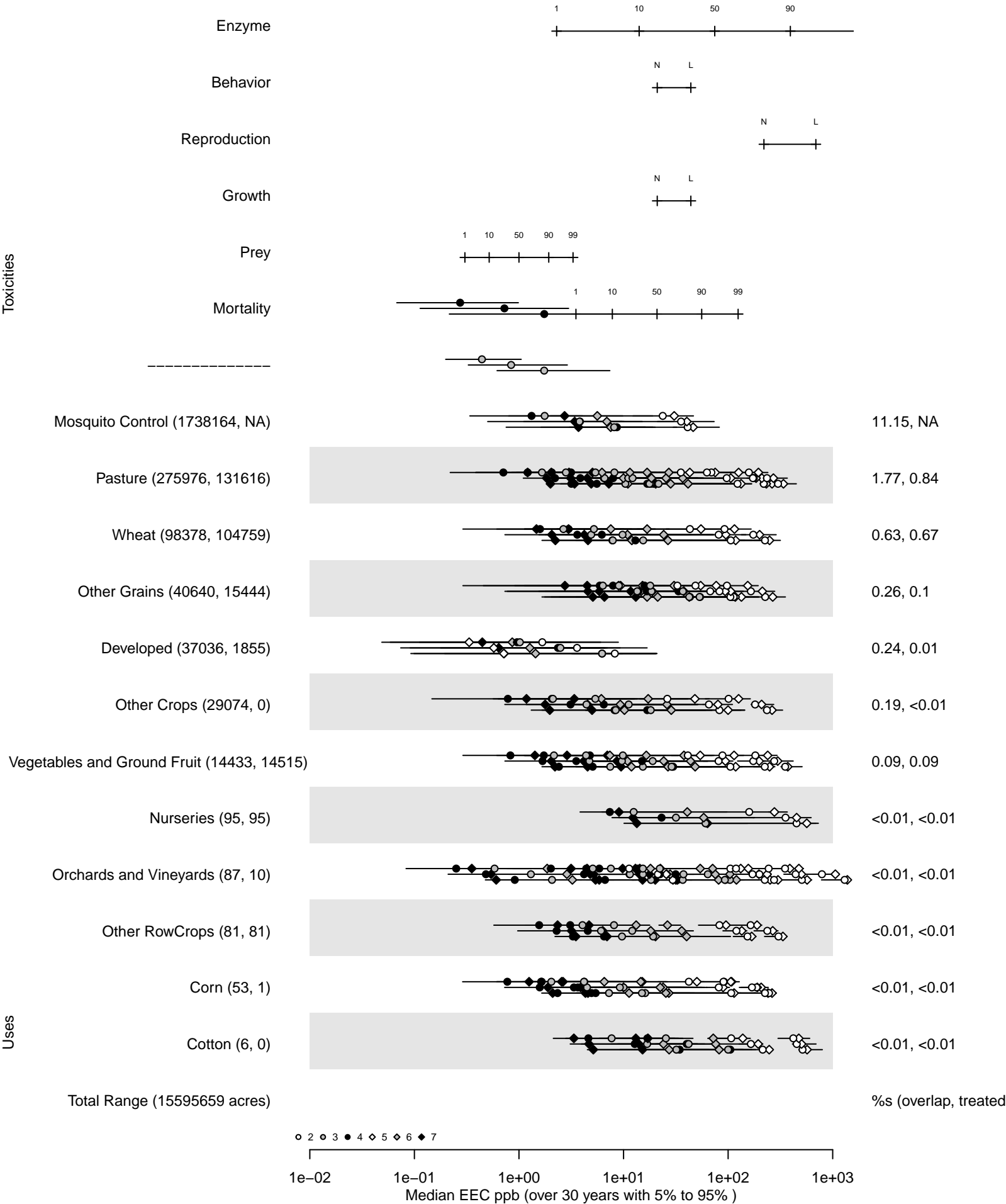
Uses



malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:10a,10b,11a,11b,13,14,15b,15a,16a,16b, bin:2,3,4,7
Razorback sucker (290) Range

Toxicities

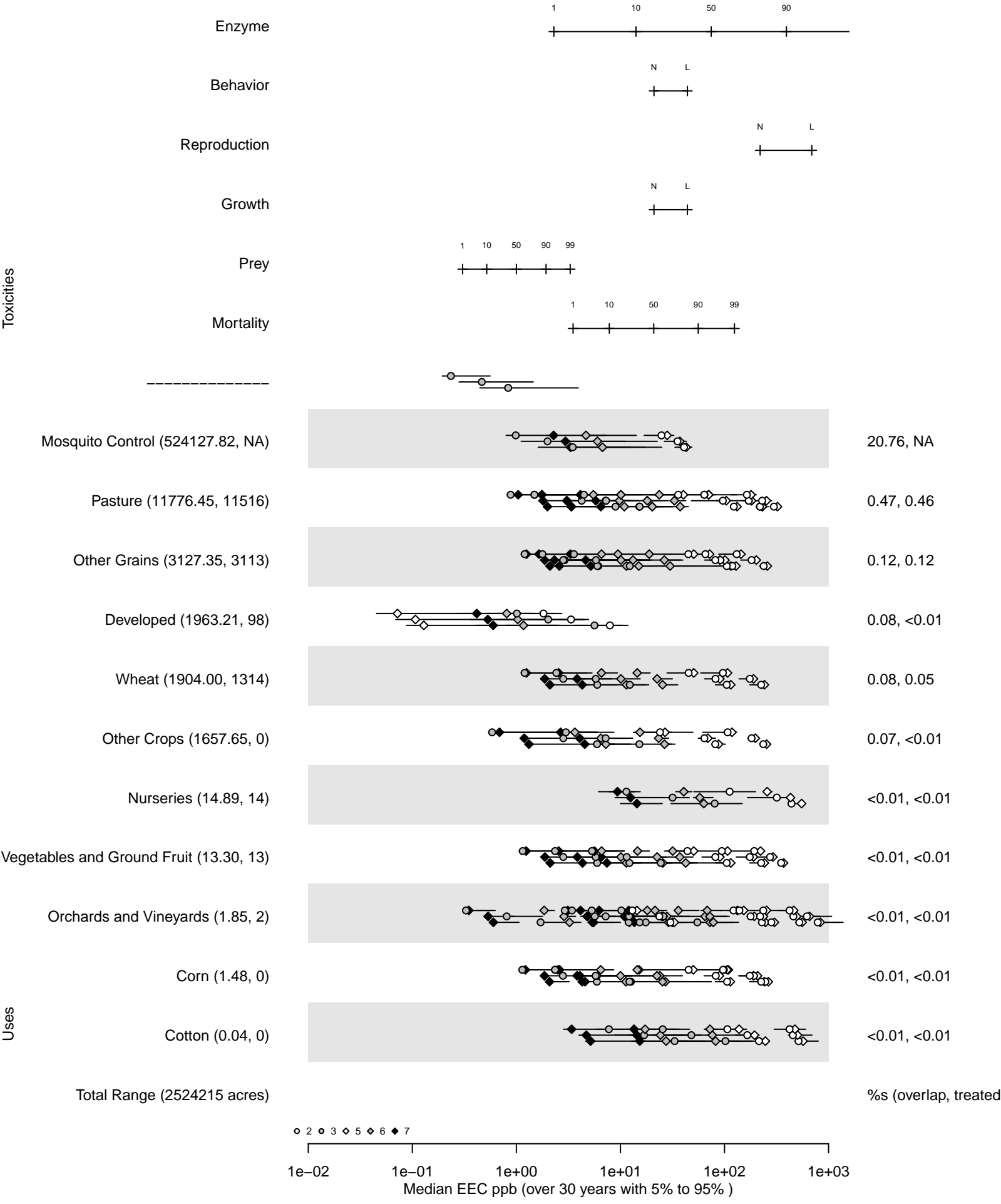
Uses



malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:17a,17b,18a,18b, bin:2,3,4,5,6,7
Shortnose Sucker (291) Range

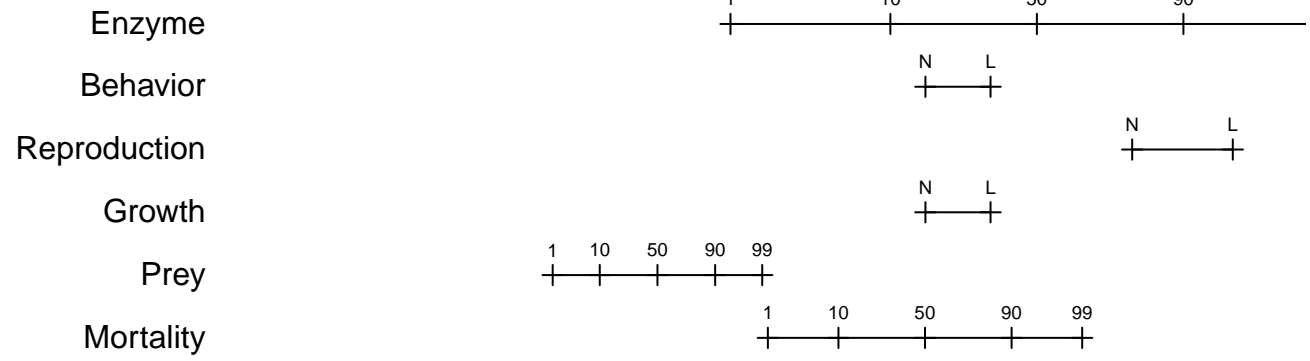
Toxicities

Uses

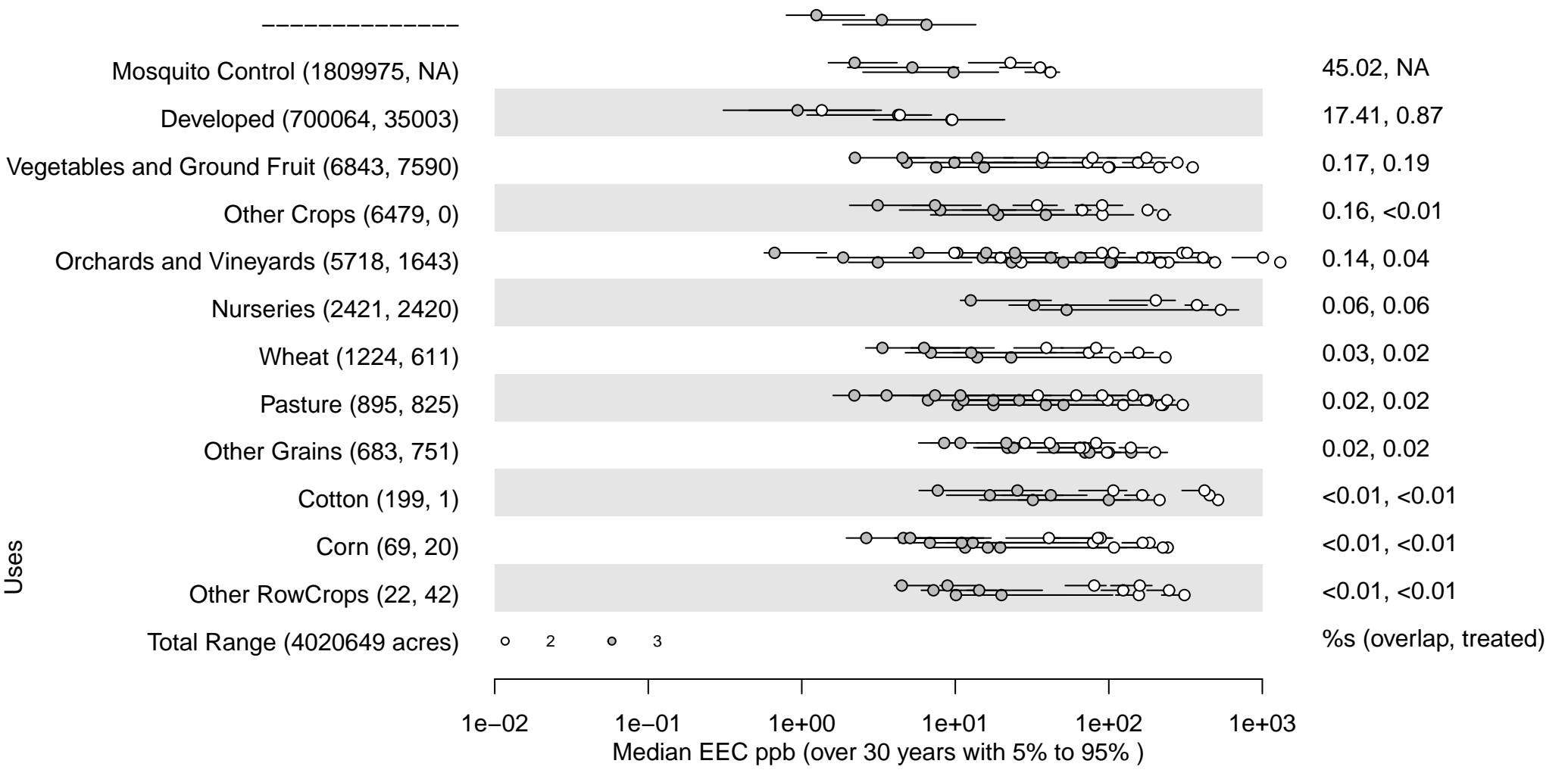


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:17b,17a,18a, bin:2,3,5,6,7
Warner sucker (292) Range

Toxicities

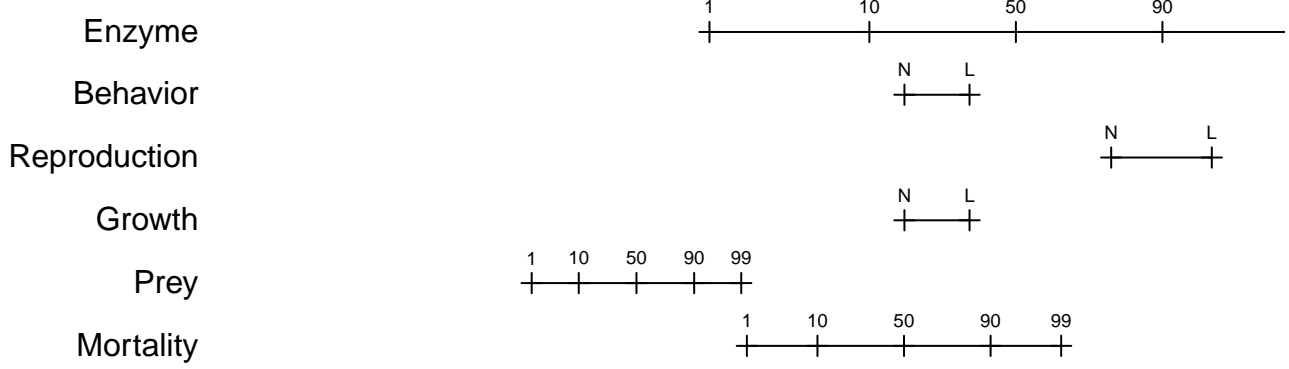


Uses

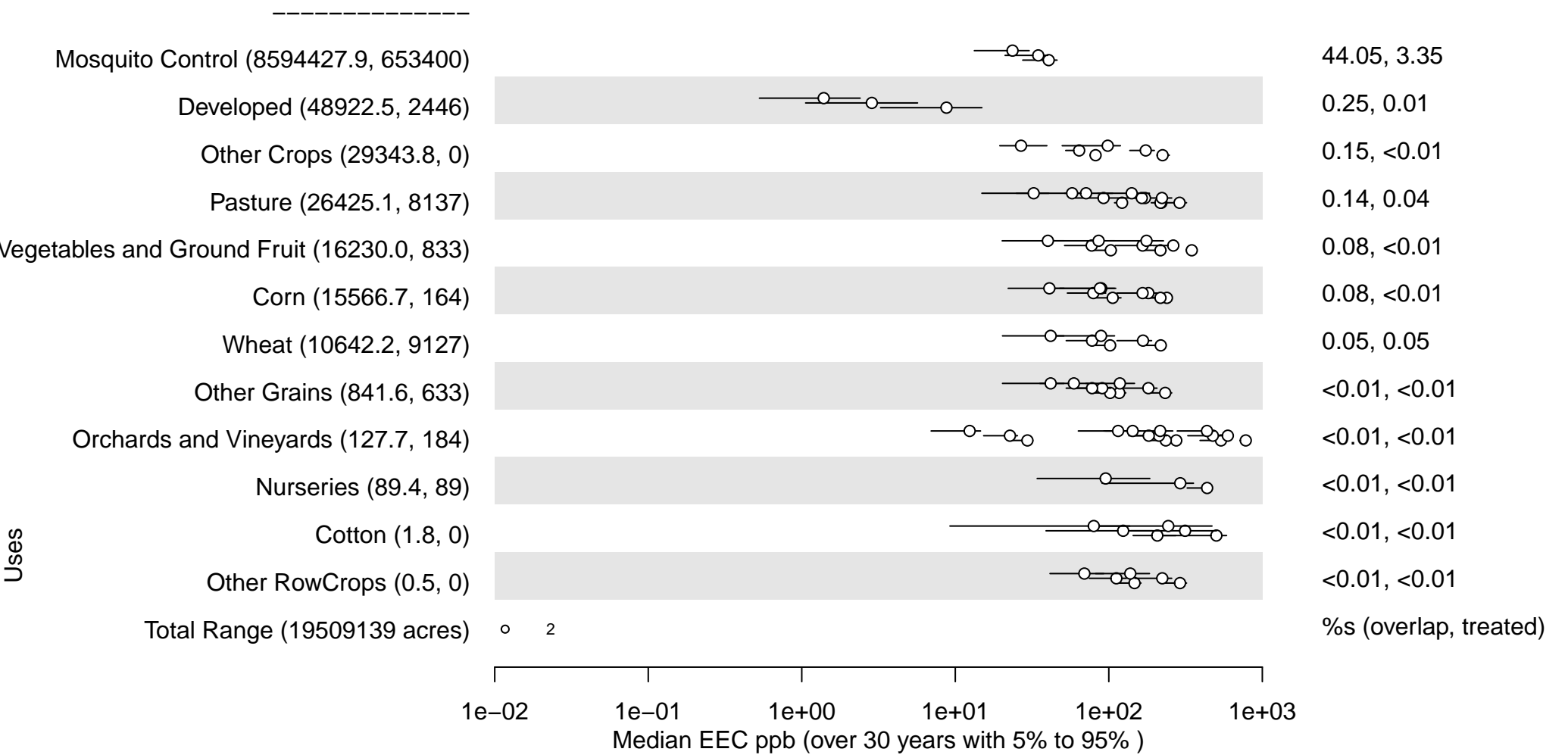


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:18a,18b, bin:2,3
Santa Ana sucker (312) Range

Toxicities

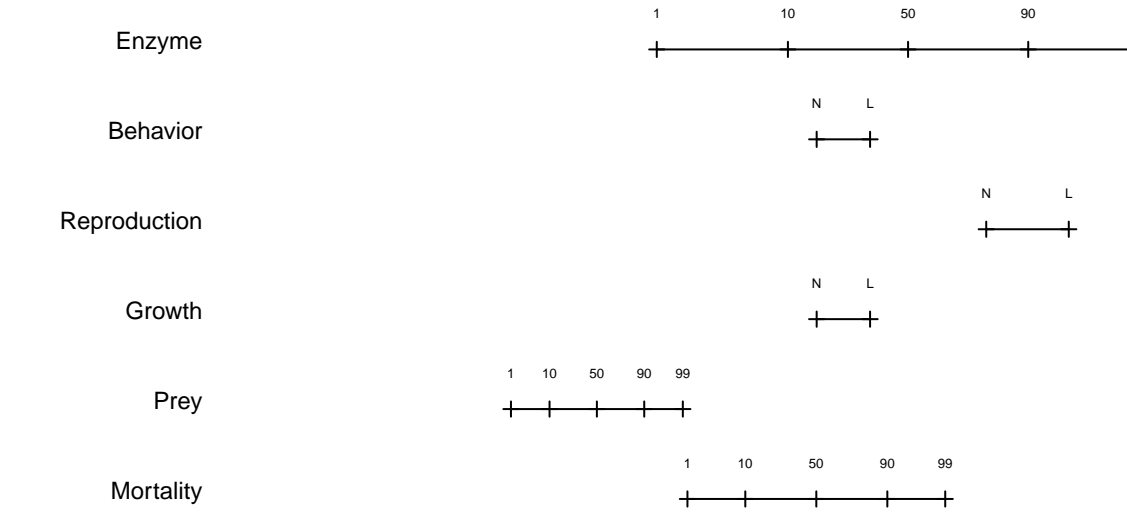


Uses

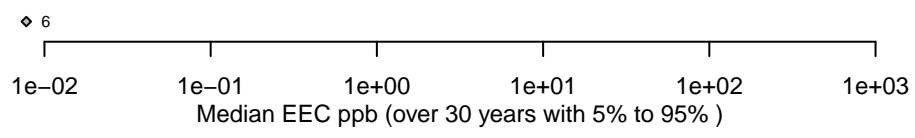
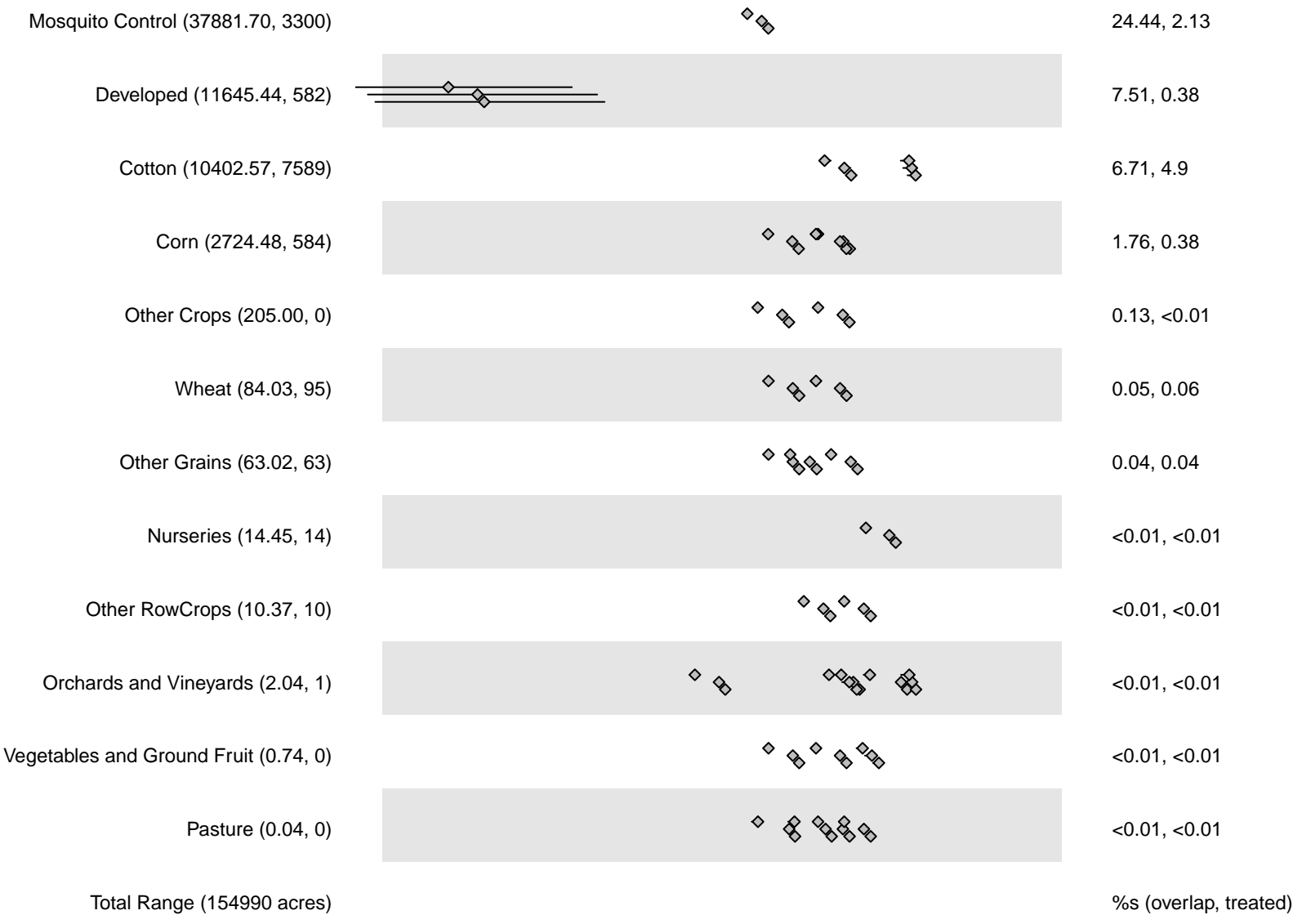


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:13,14,15a,15b, bin:2
Zuni bluehead Sucker (3280) Range

Toxicities



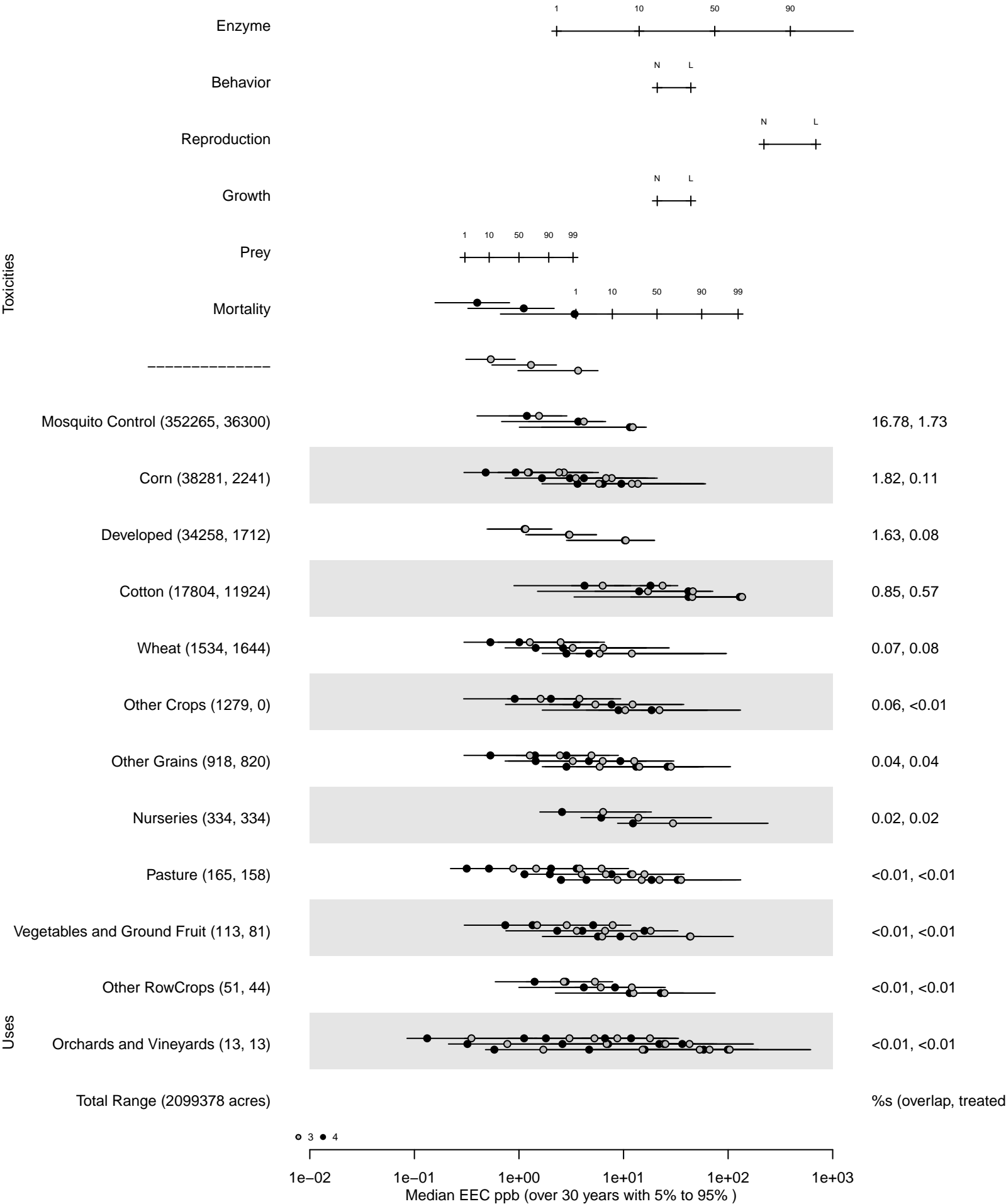
Uses



malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:6, bin:6
Alabama cavefish (236) Range

Toxicities

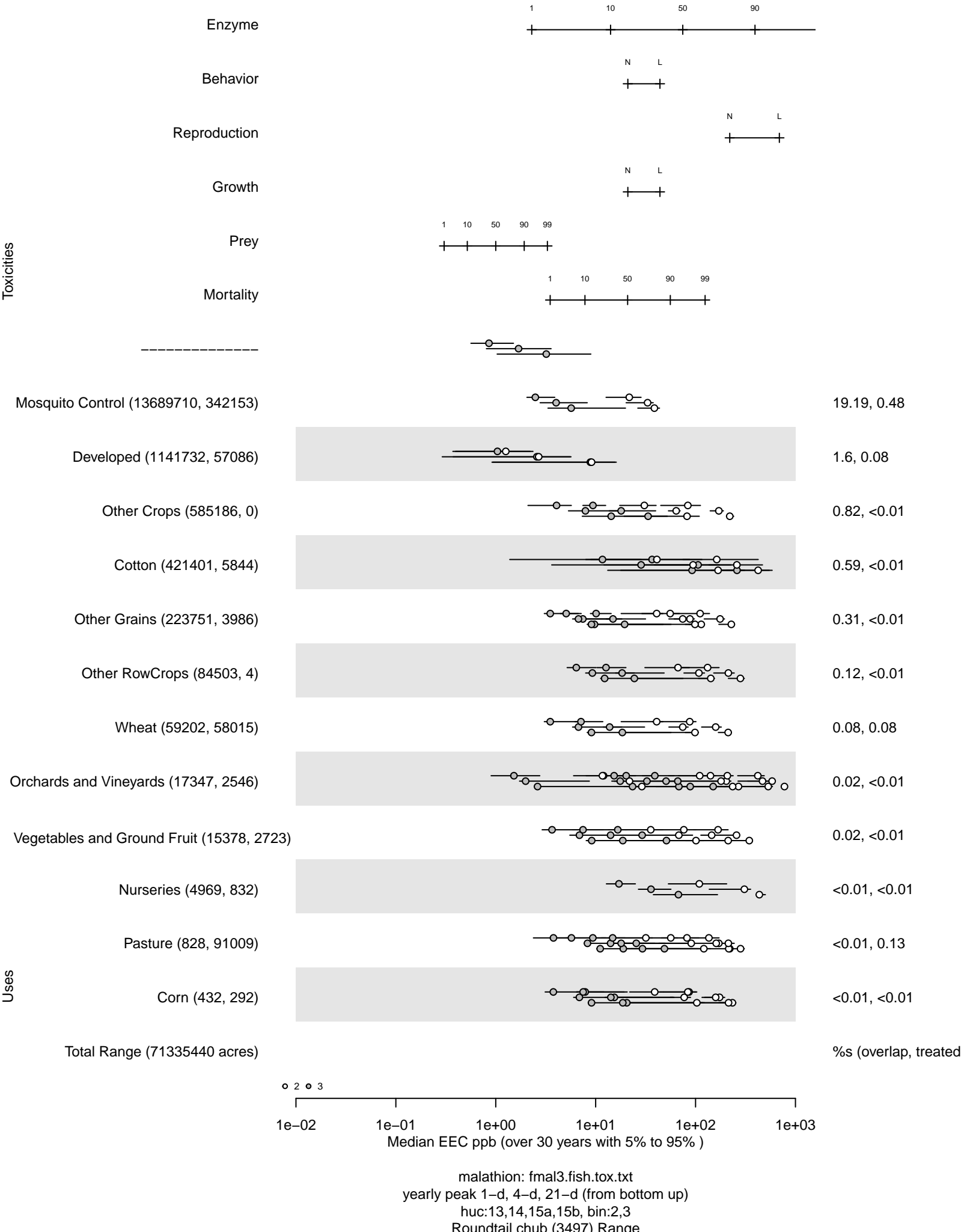
Uses



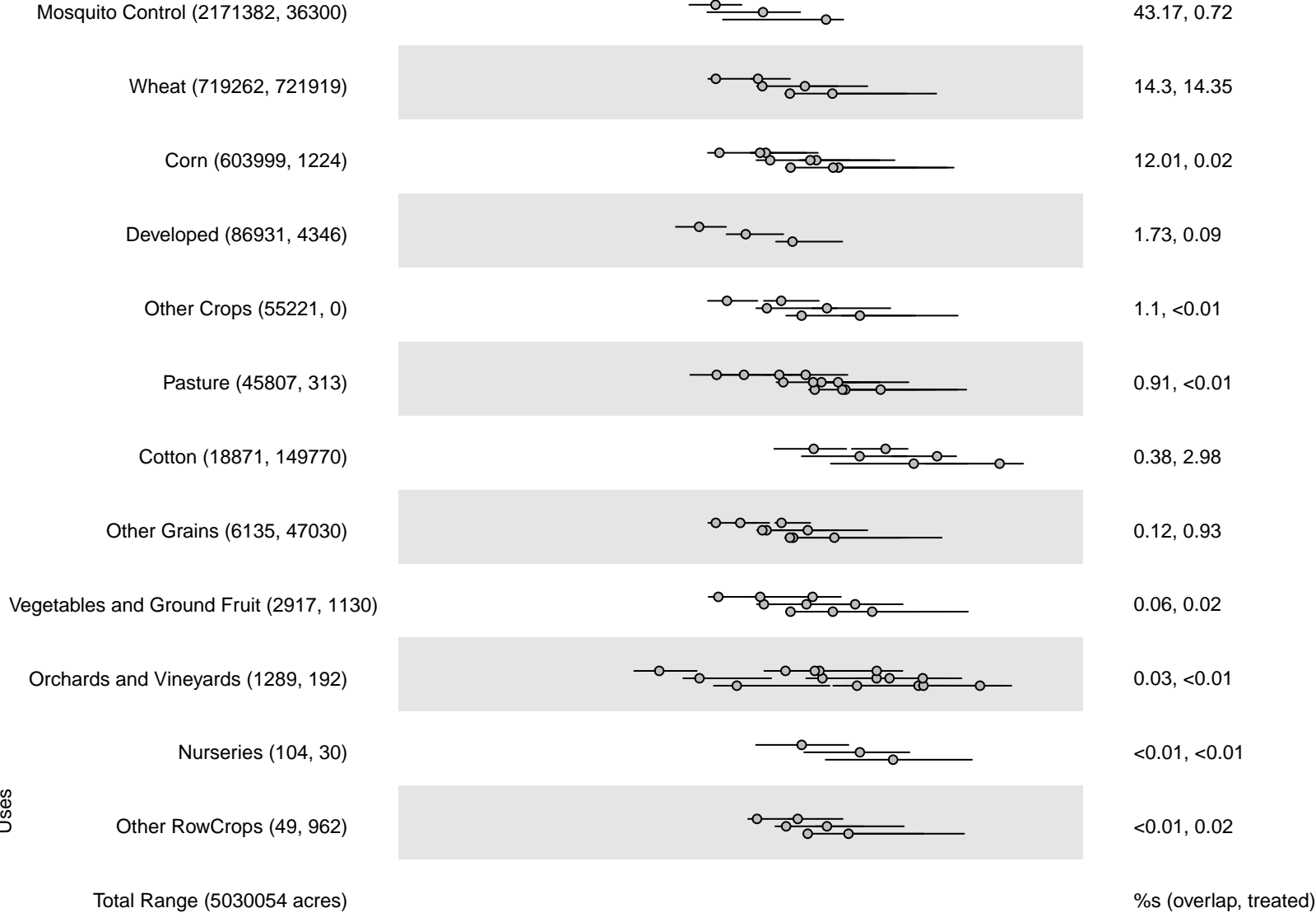
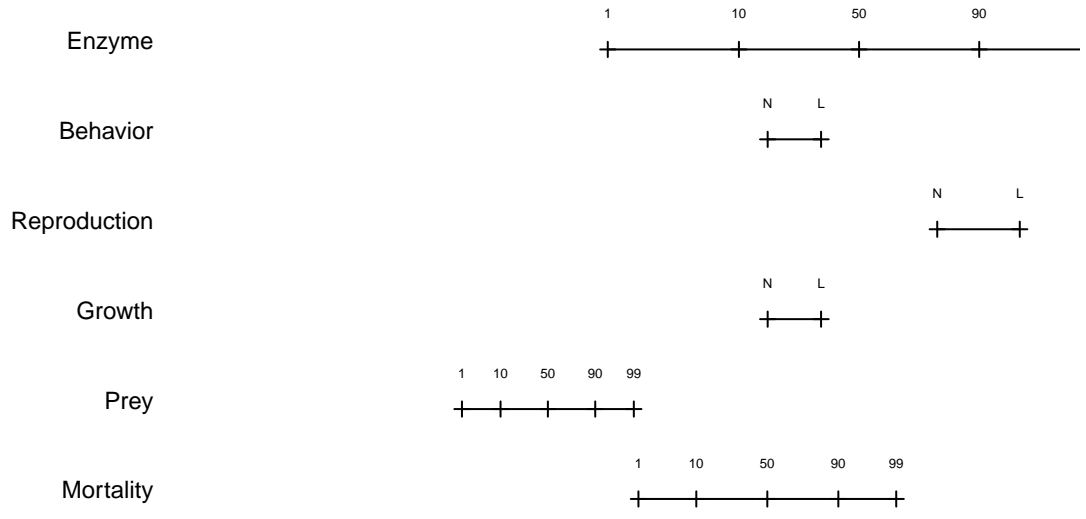
malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:6, bin:3,4
Boulder darter (297) Range

Toxicities

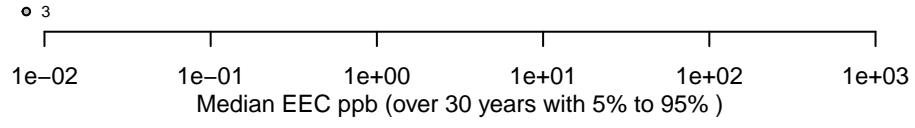
Uses



Toxicities



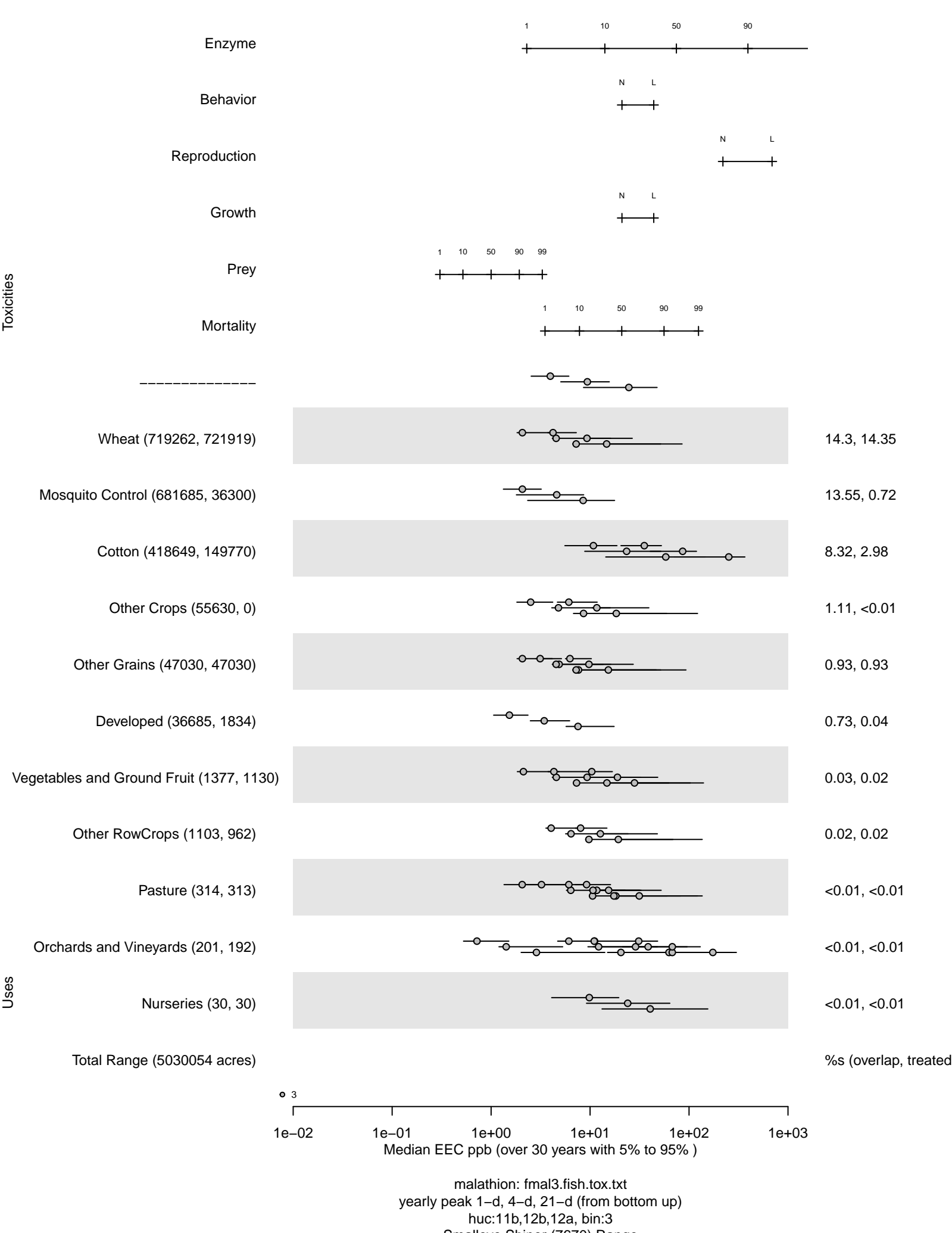
Uses



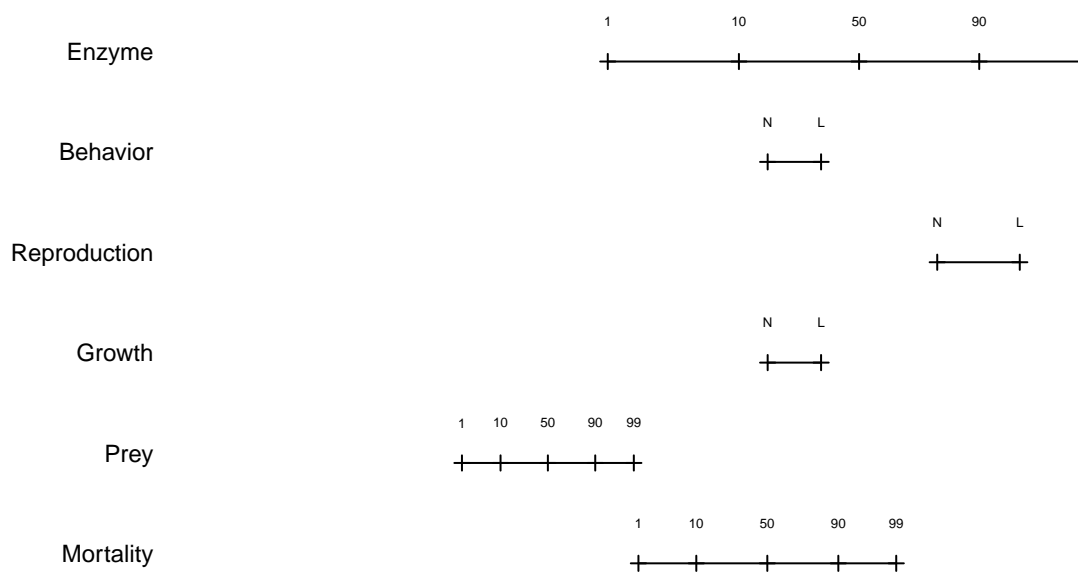
malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:12b,12a, bin:3
Sharpnose Shiner (3596) Range

Toxicities

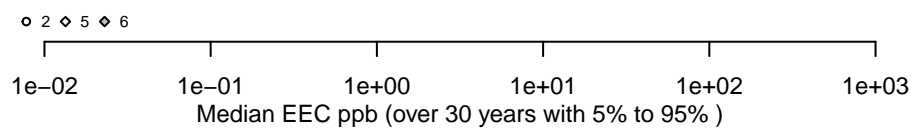
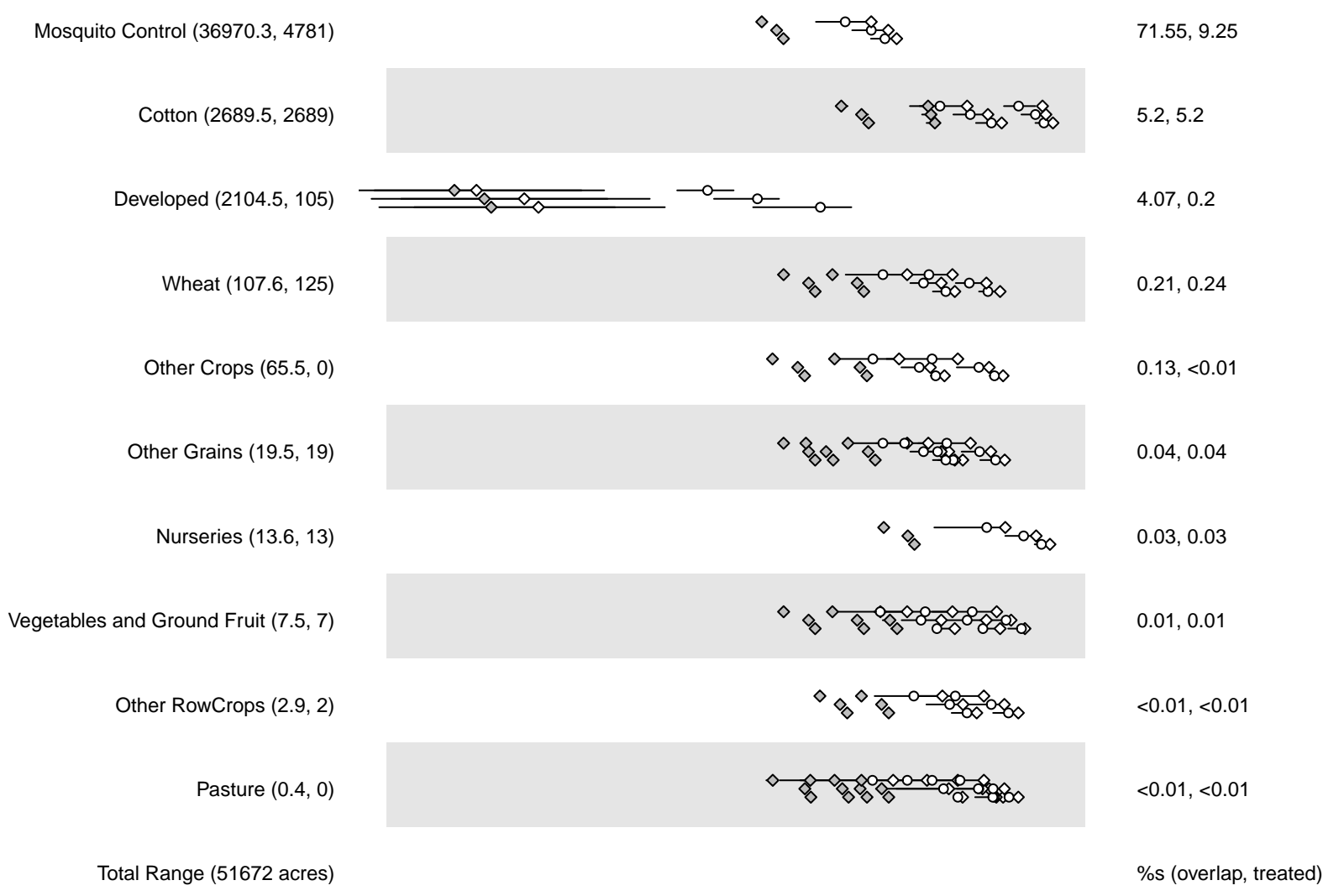
Uses



Toxicities



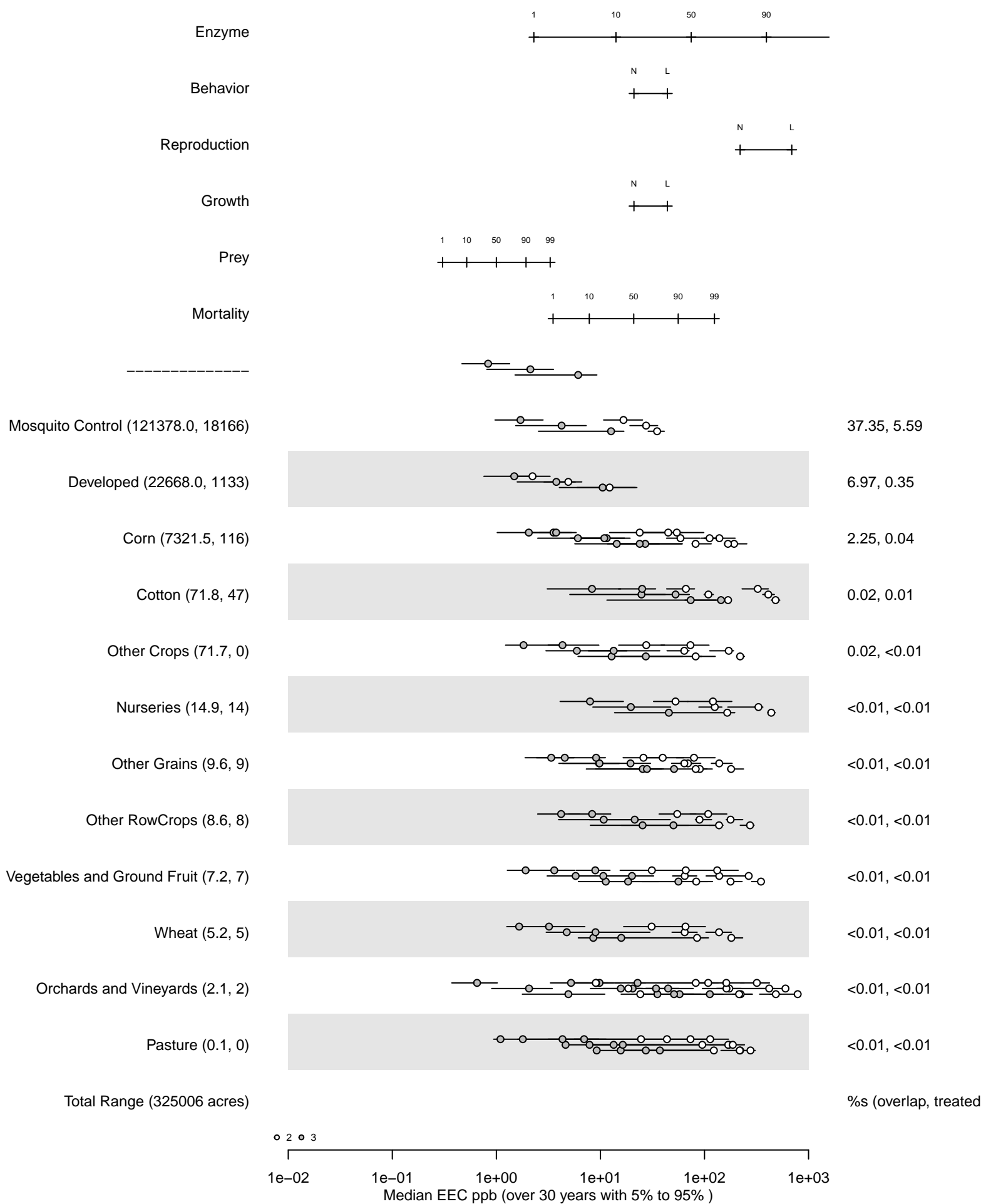
Uses



malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:6, bin:2,5,6
Spring pygmy sunfish (7332) Range

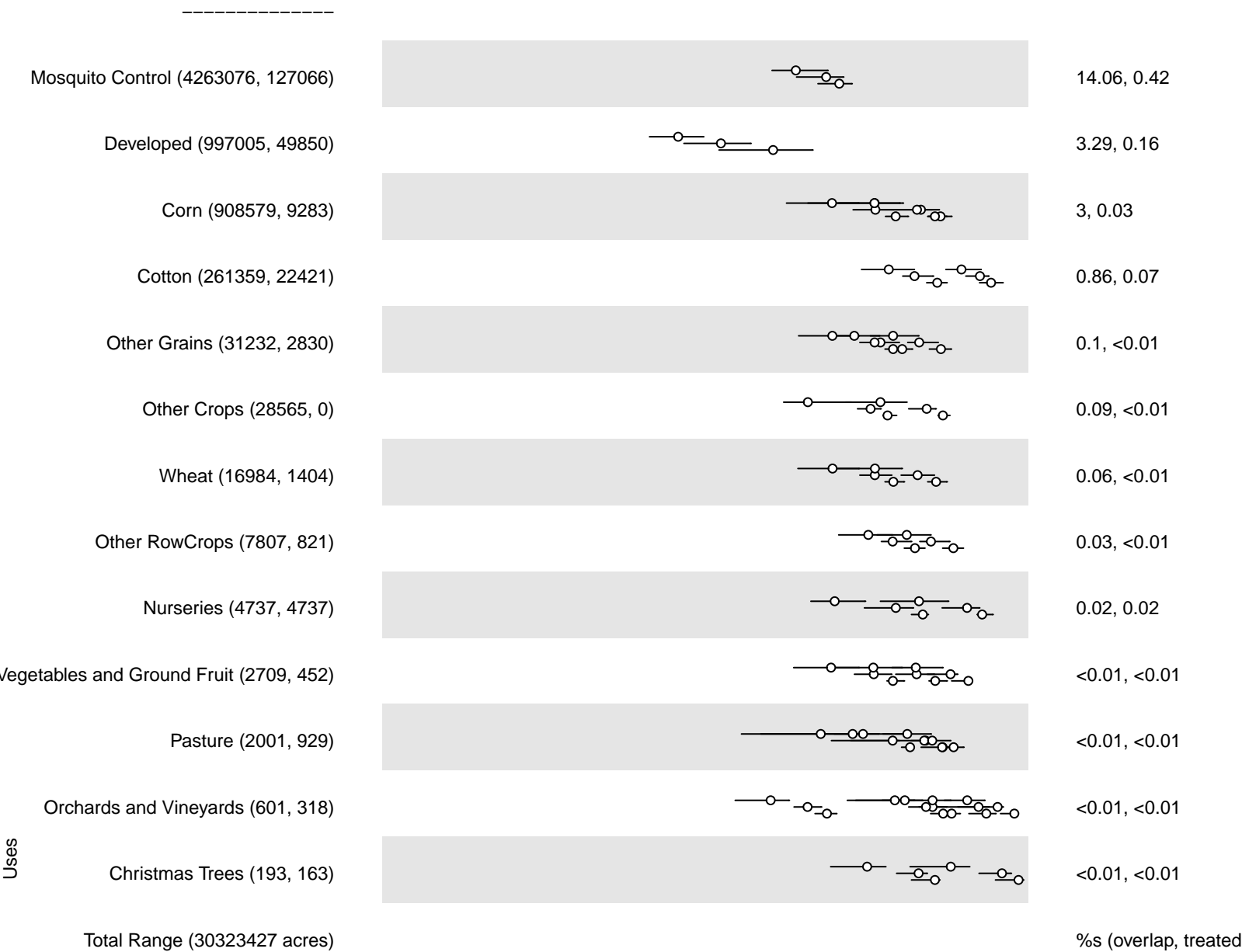
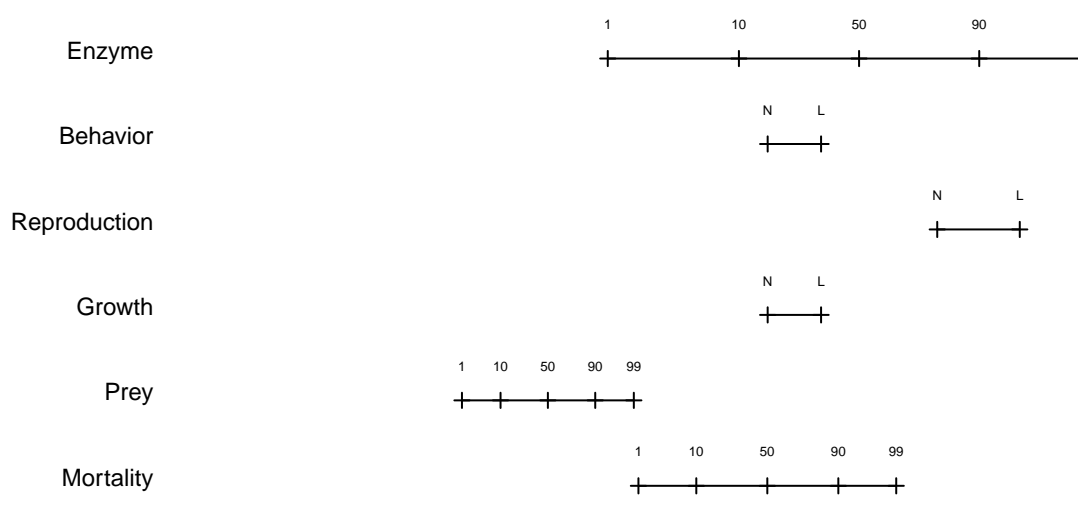
Toxicities

Uses

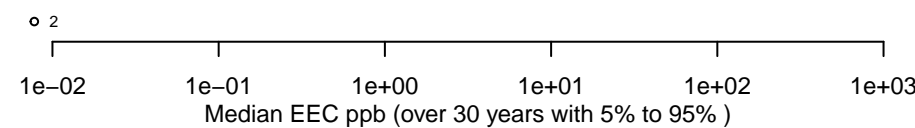


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:3, bin:2,3
Vermilion darter (316) Range

Toxicities

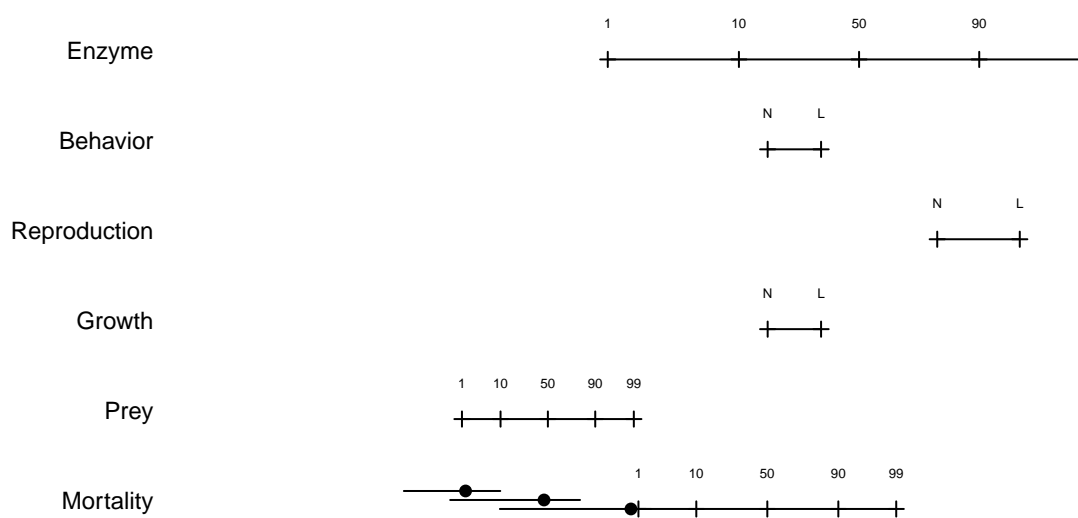


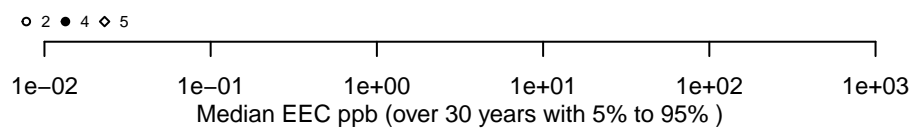
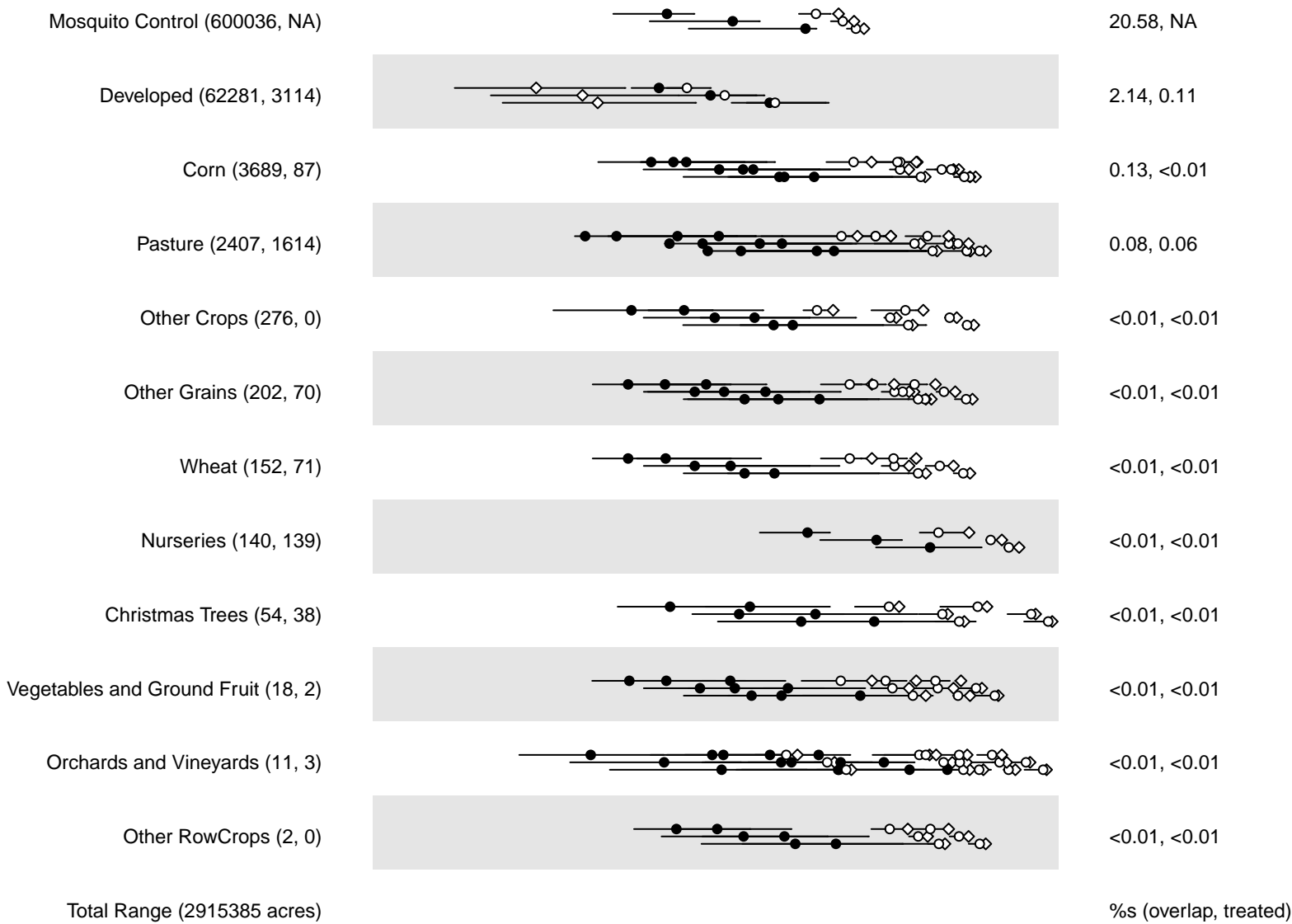
Uses



malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:3,5,6,8, bin:2
Barrens topminnow_4318

Toxicities

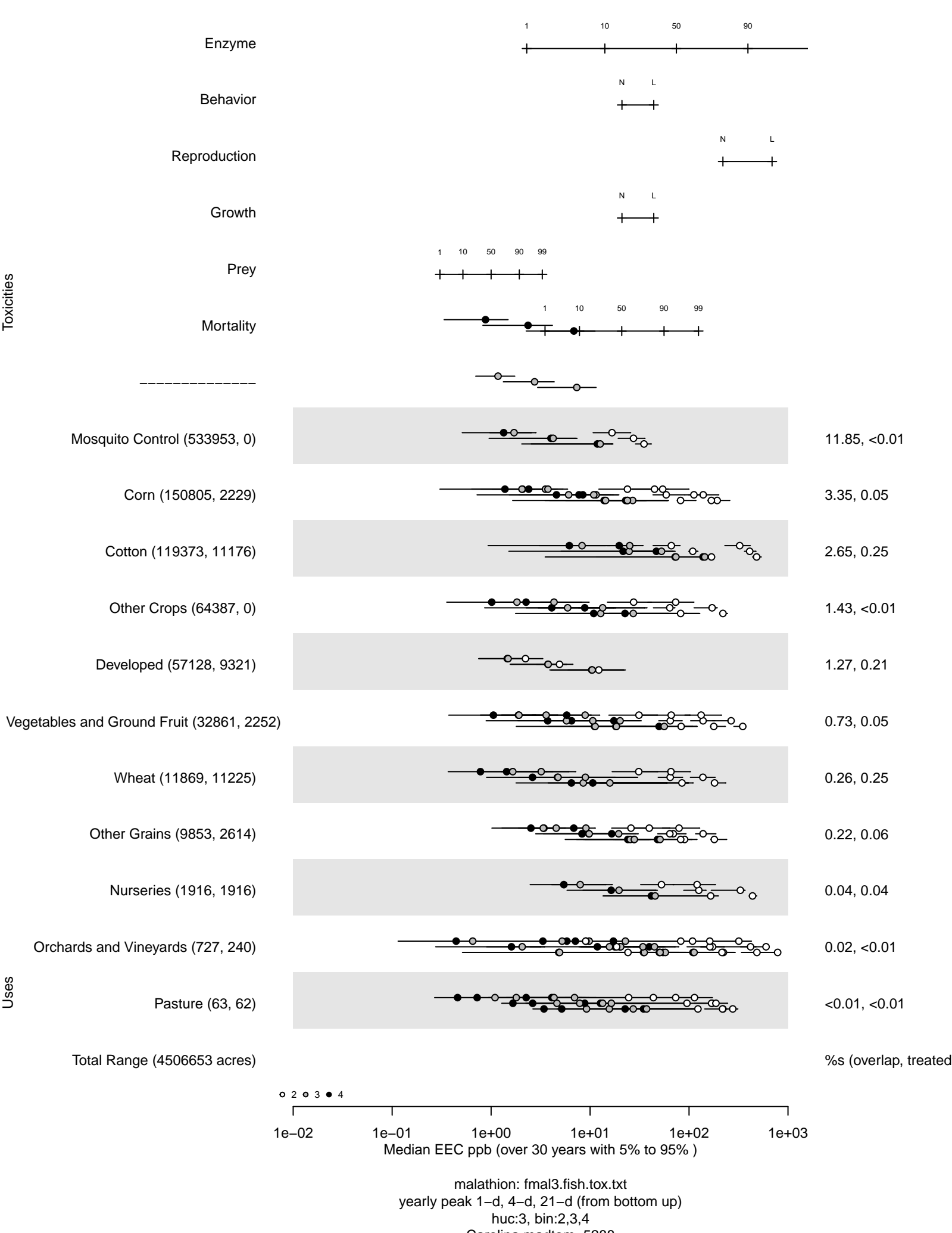




malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:5, bin:2,4,5
Candy darter_8352

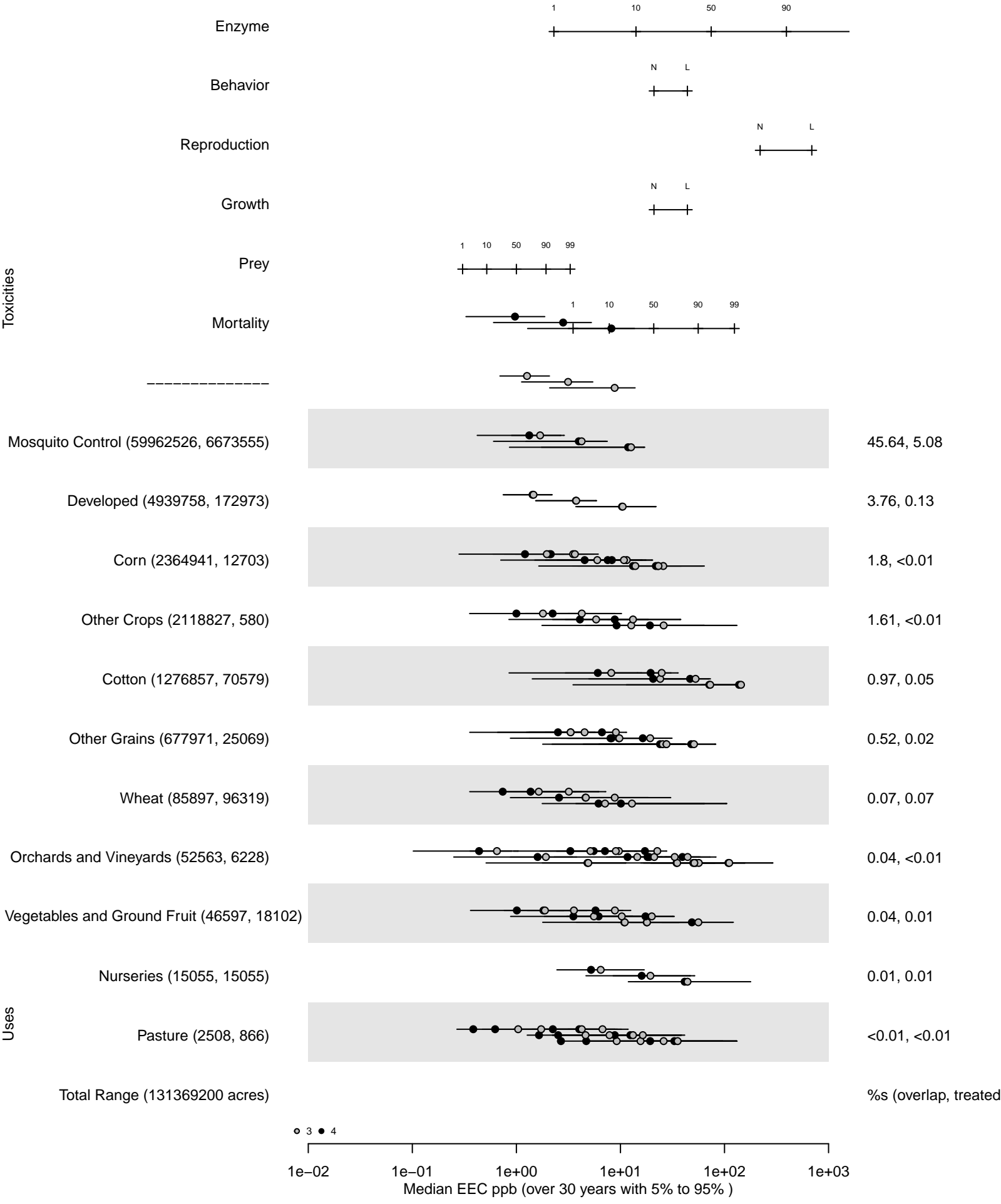
Toxicities

Uses



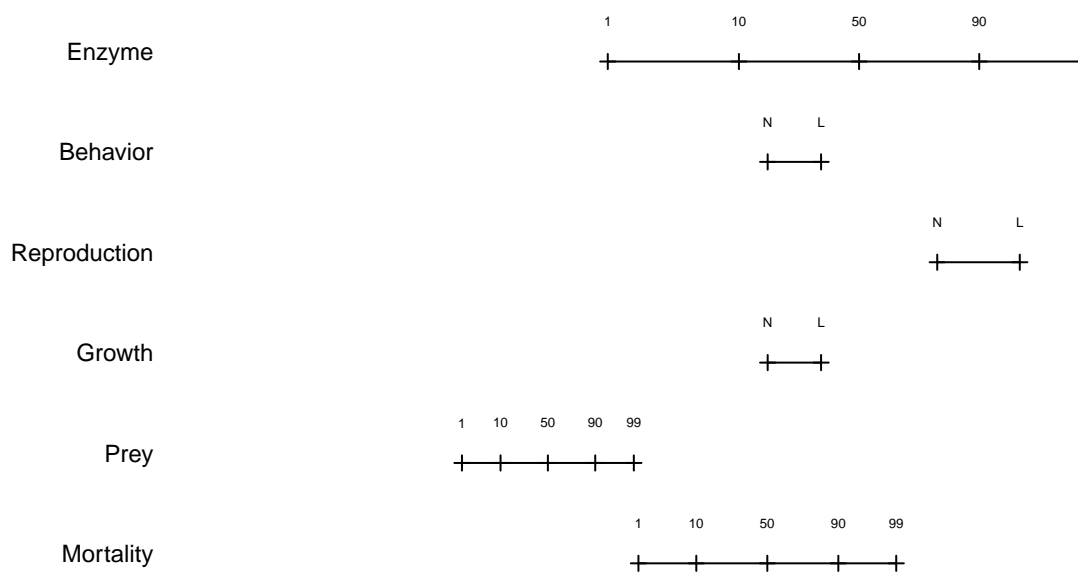
Toxicities

Uses

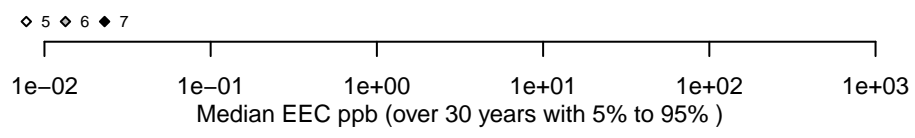
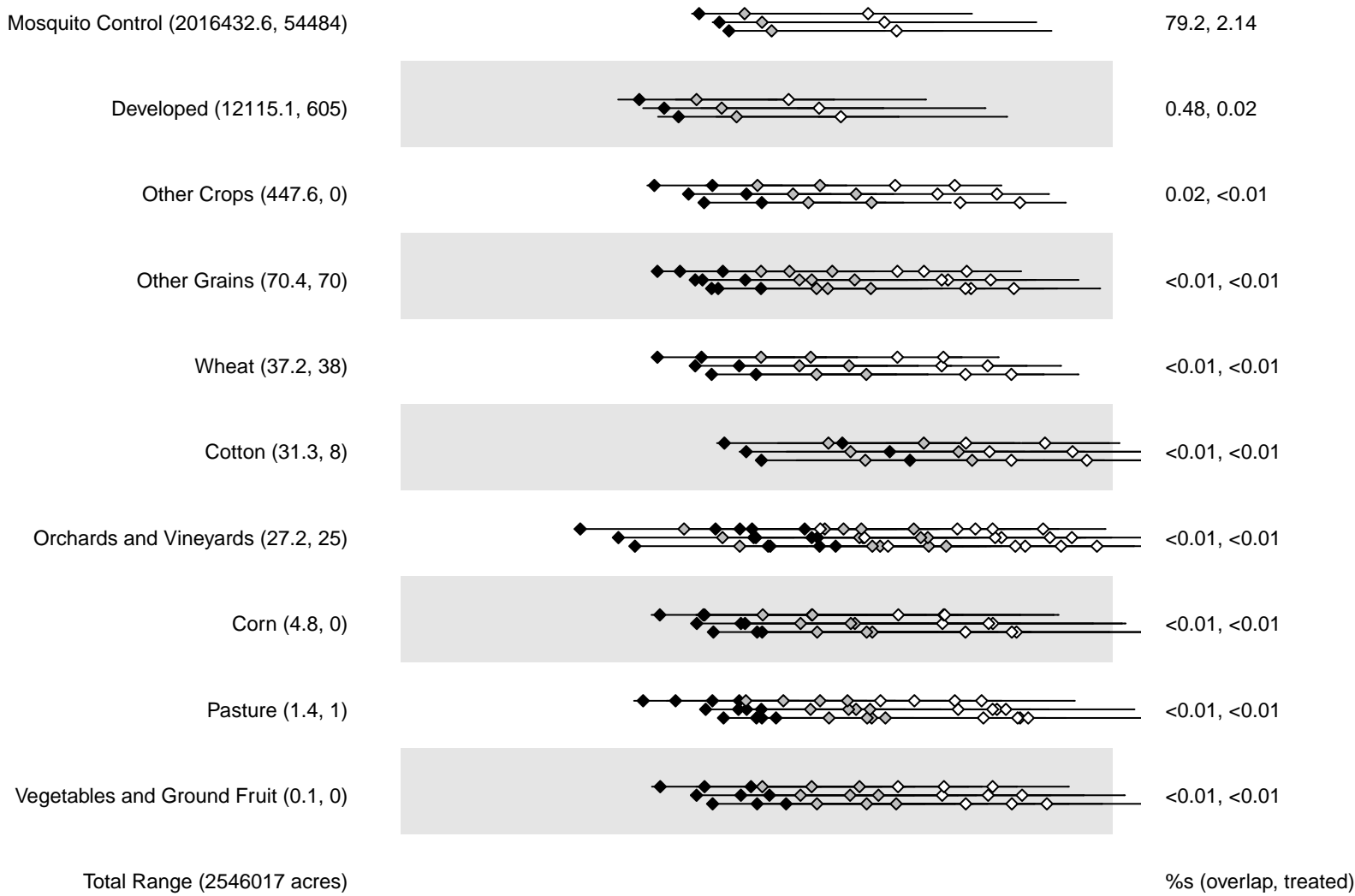


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:3,6, bin:3,4
Frecklebelly madtom_3290

Toxicities

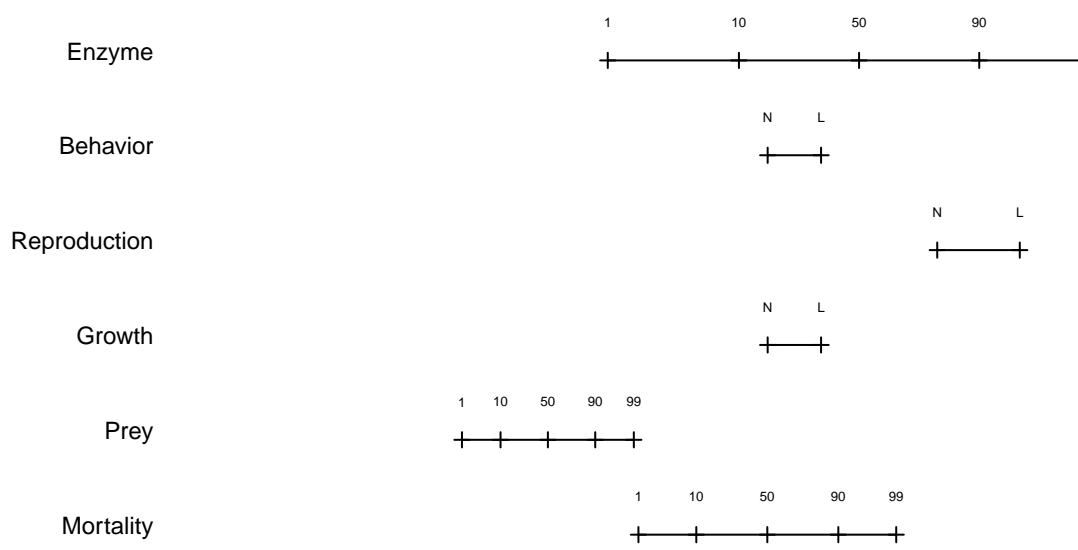


Uses

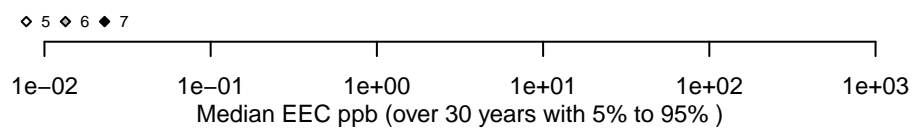
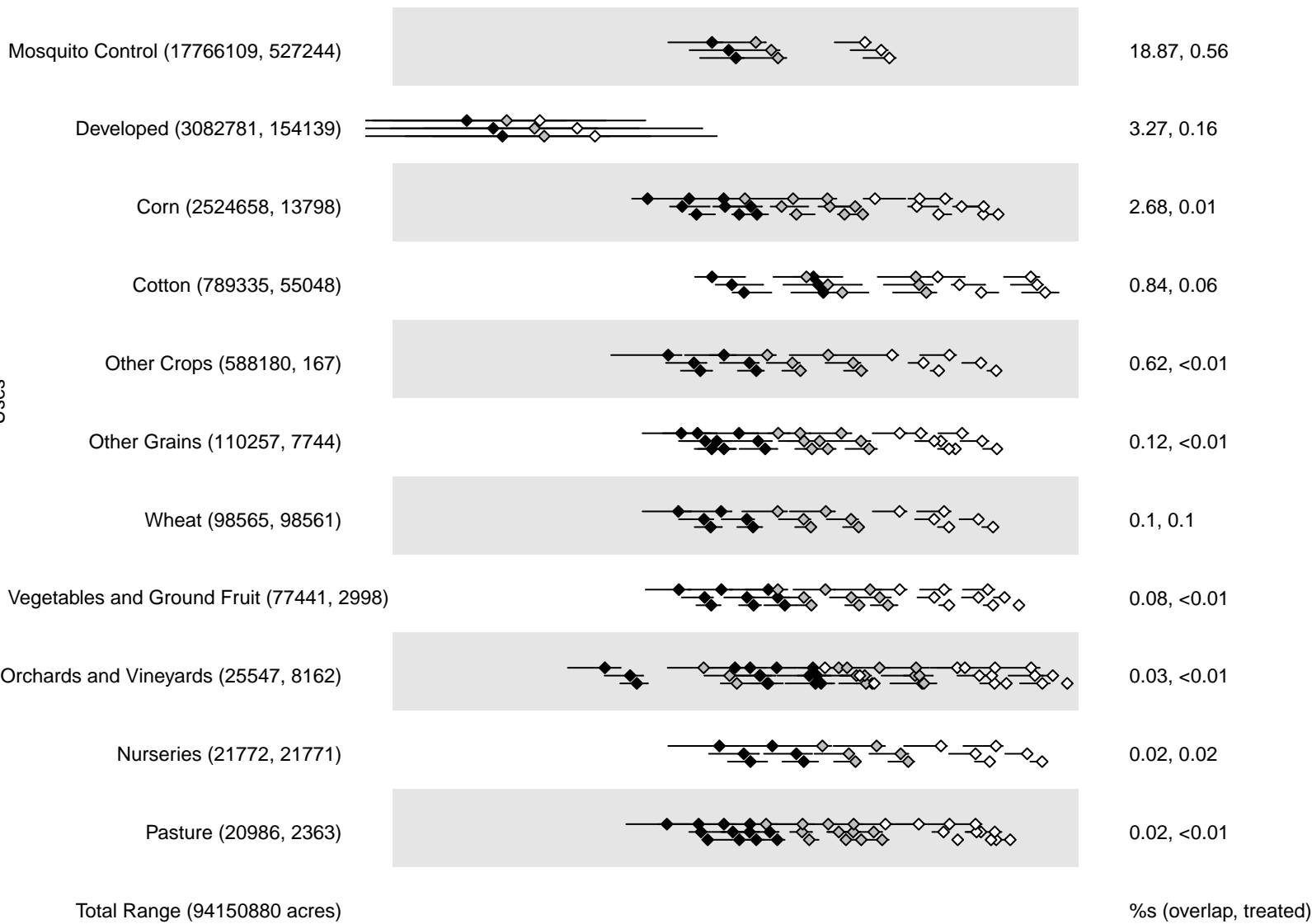


malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:13, bin:5,6,7
Mexican blindcat_8334

Toxicities



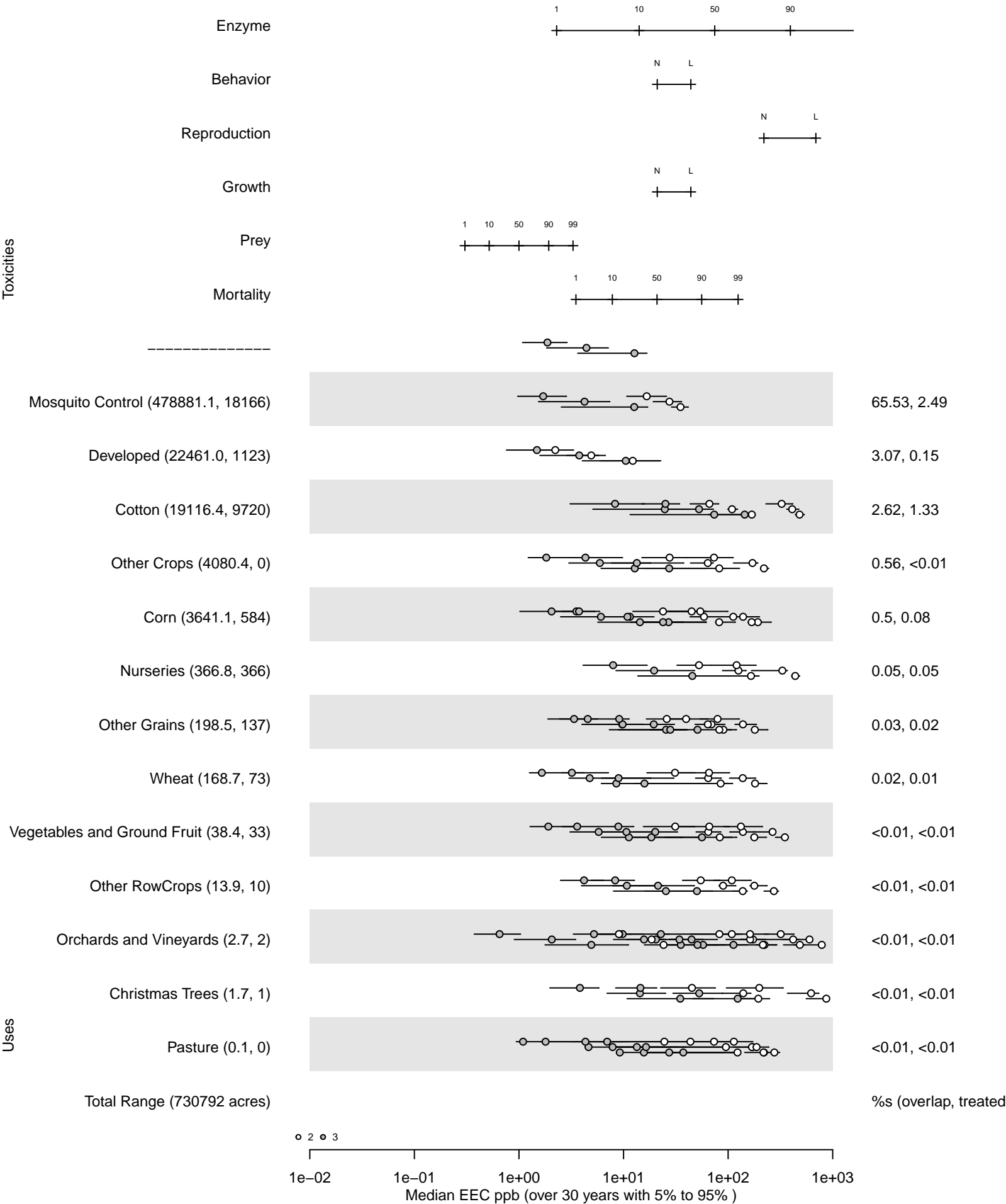
Uses



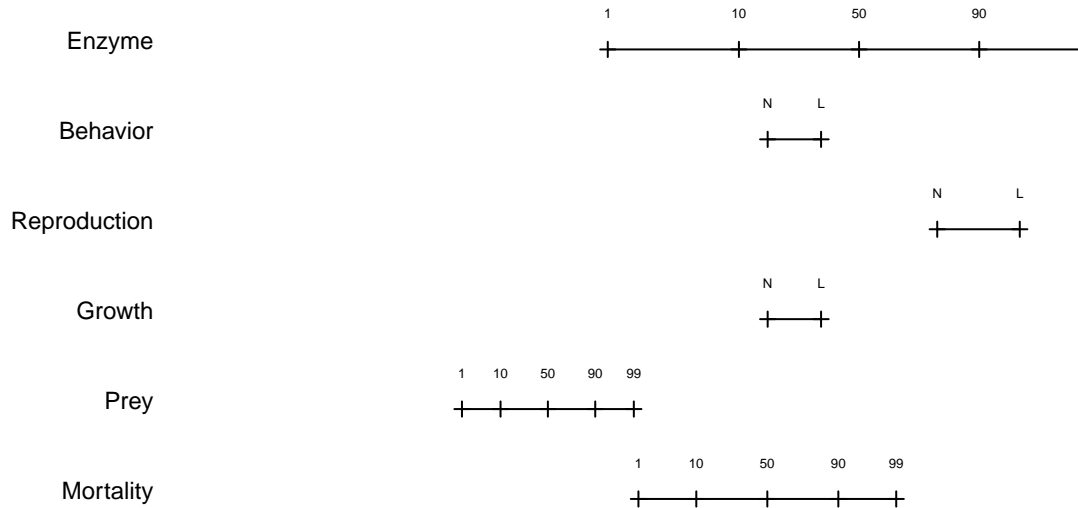
malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:2,3,5,6,8, bin:5,6,7
Sickle darter_10823

Toxicities

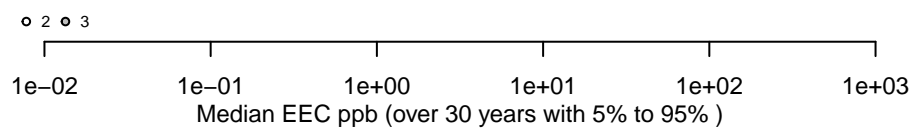
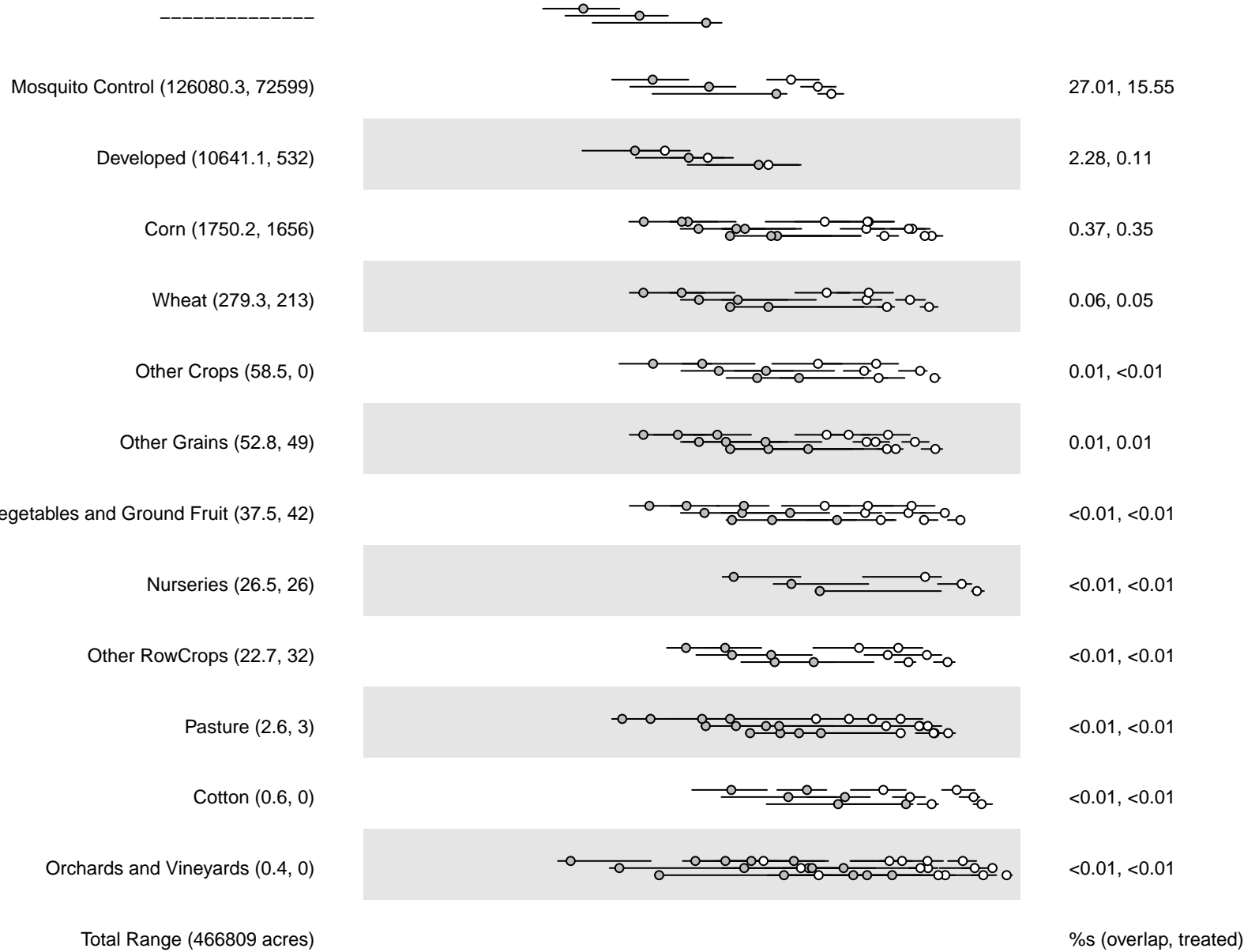
Uses



Toxicities



Uses



malathion: fmal3.fish.tox.txt
yearly peak 1-d, 4-d, 21-d (from bottom up)
huc:5,6, bin:2,3
Laurel dace (9220) Range