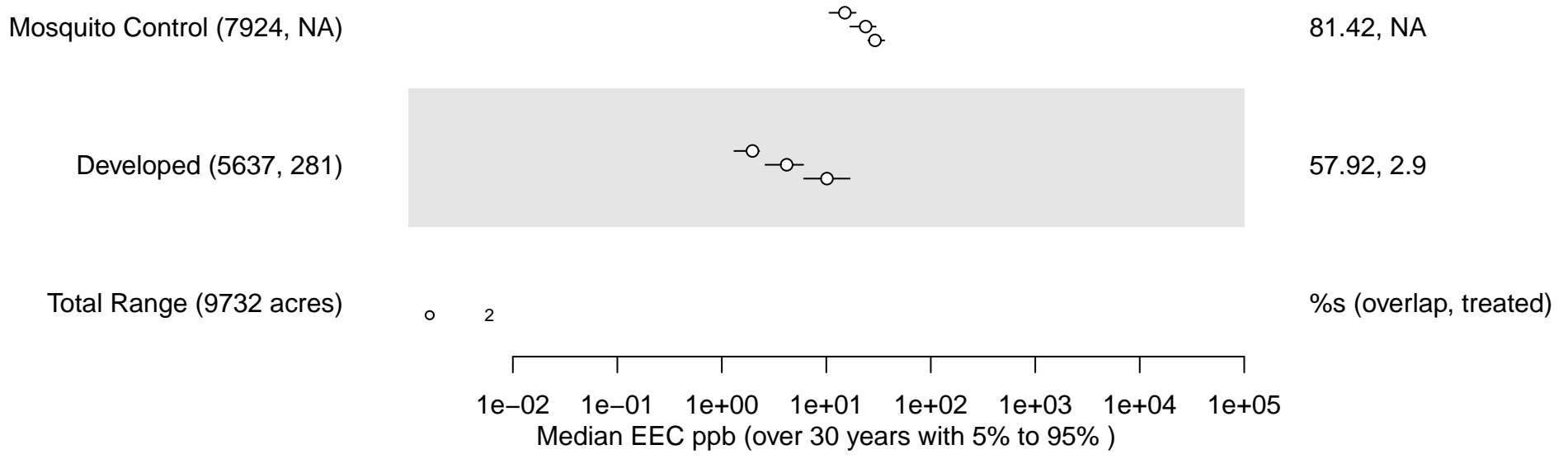
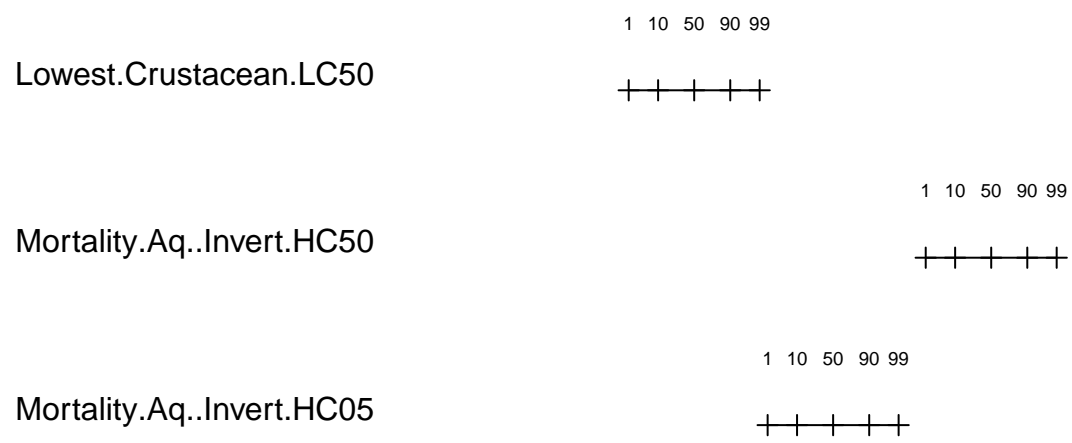
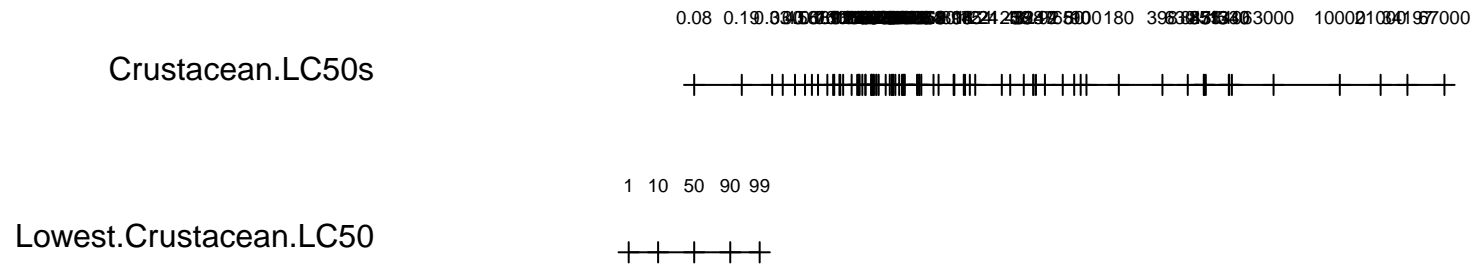


## **Appendix M: R-Plots**

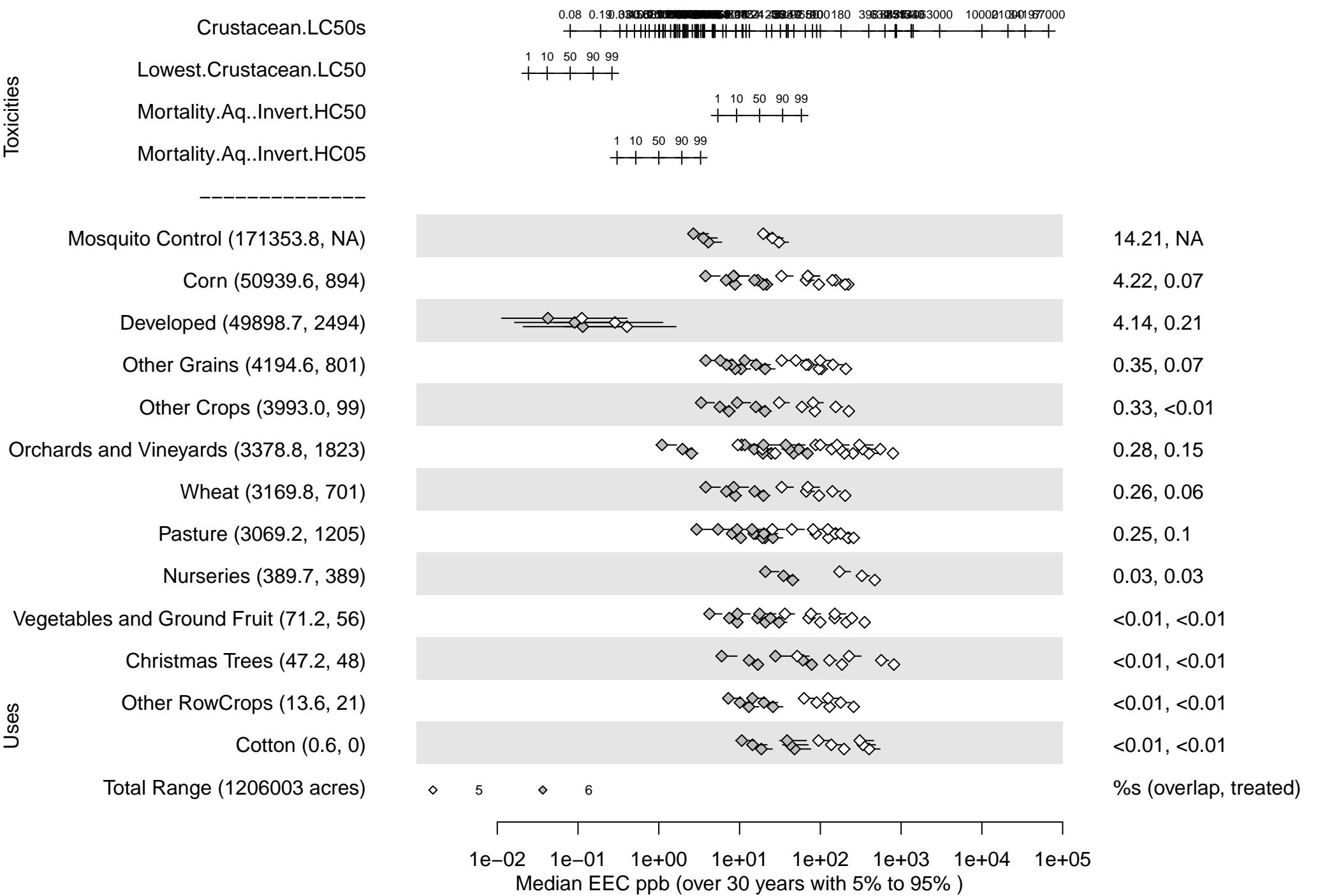
*Crustaceans*



malathion: mal\_crust\_tox.txt  
yearly peak 1-d, 4-d, 21-d (from bottom up)  
huc:2, bin:2  
Hay's Spring amphipod (475) Range

Toxicities

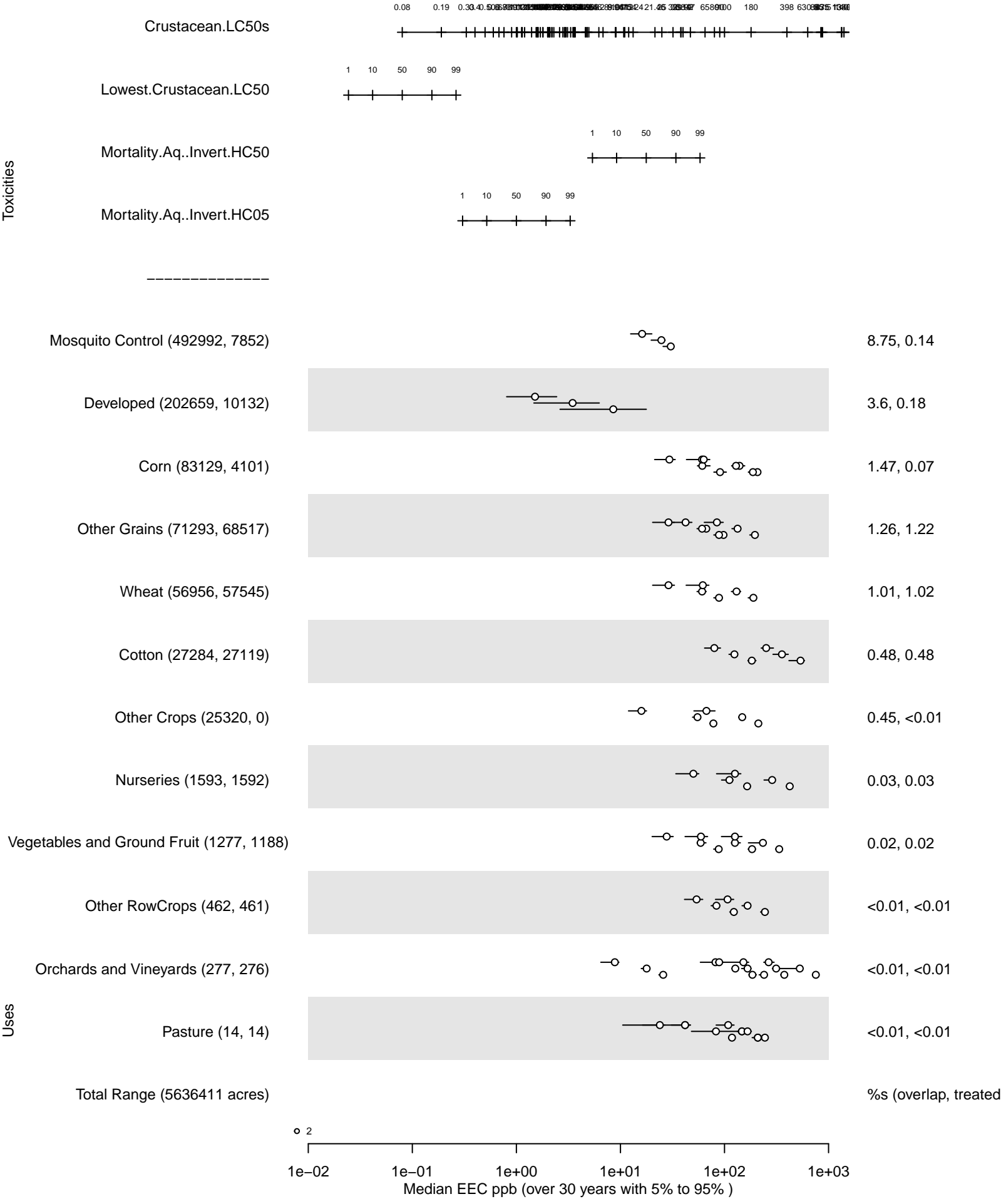
Uses



malathion: mal\_crust\_tox.txt  
yearly peak 1-d, 4-d, 21-d (from bottom up)  
huc:2, bin:5,6  
Madison Cave isopod (476) Range

Toxicities

Uses

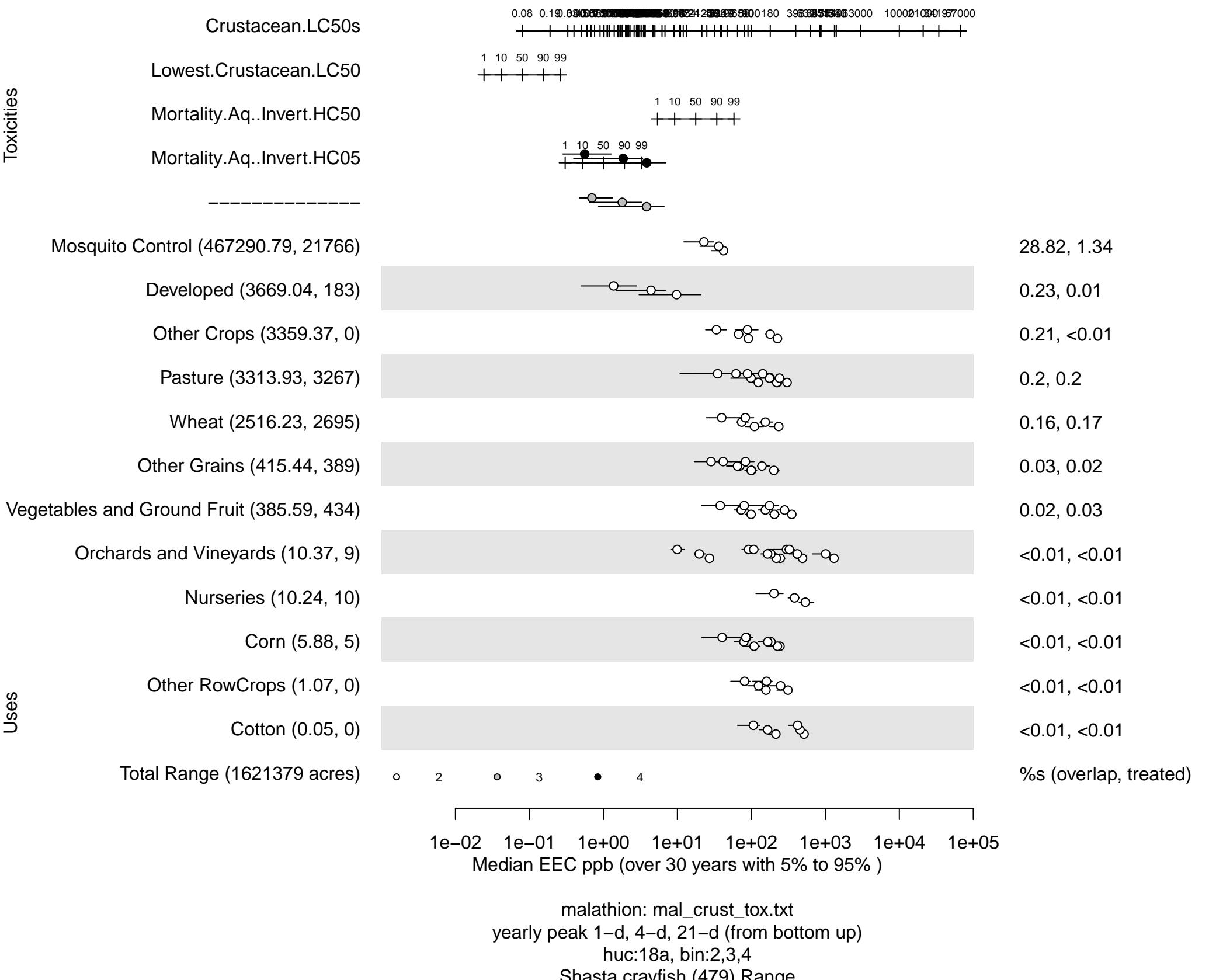


malathion: mal\_crust\_tox.txt  
yearly peak 1-d, 4-d, 21-d (from bottom up)  
huc:12a, bin:2  
Peck's cave amphipod (477) Range



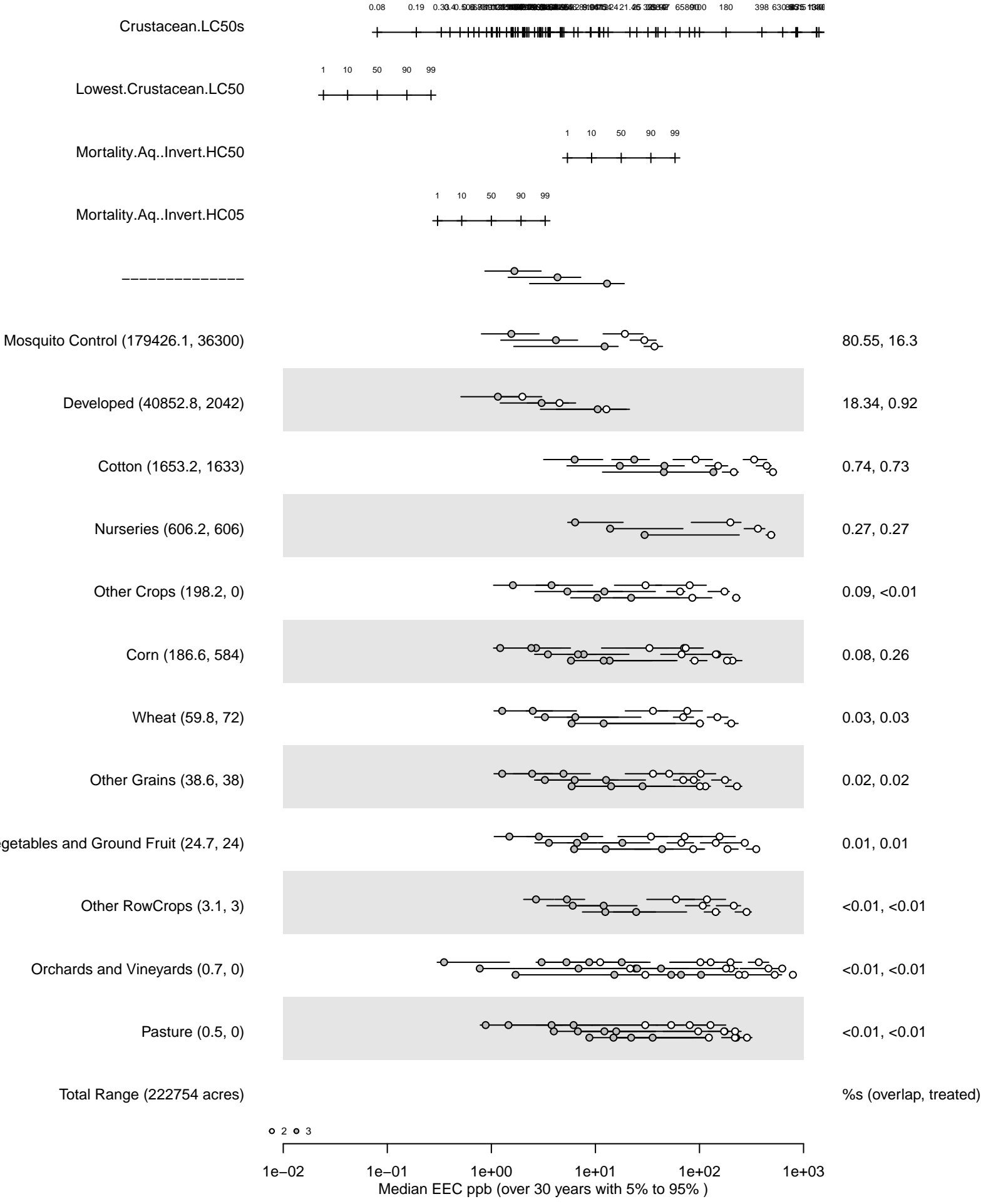
Toxicities

Uses



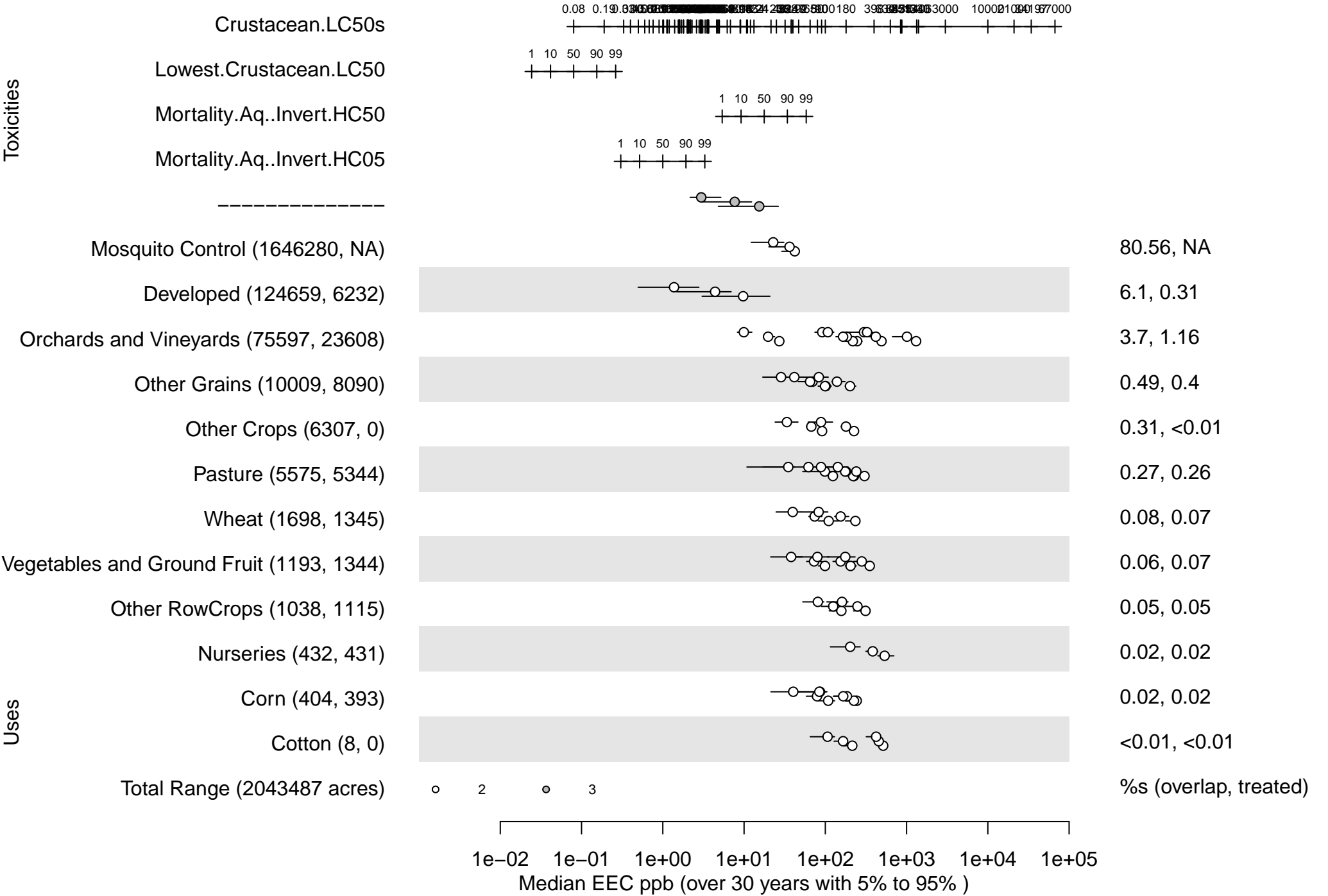
Toxicities

Uses



Toxicities

Uses

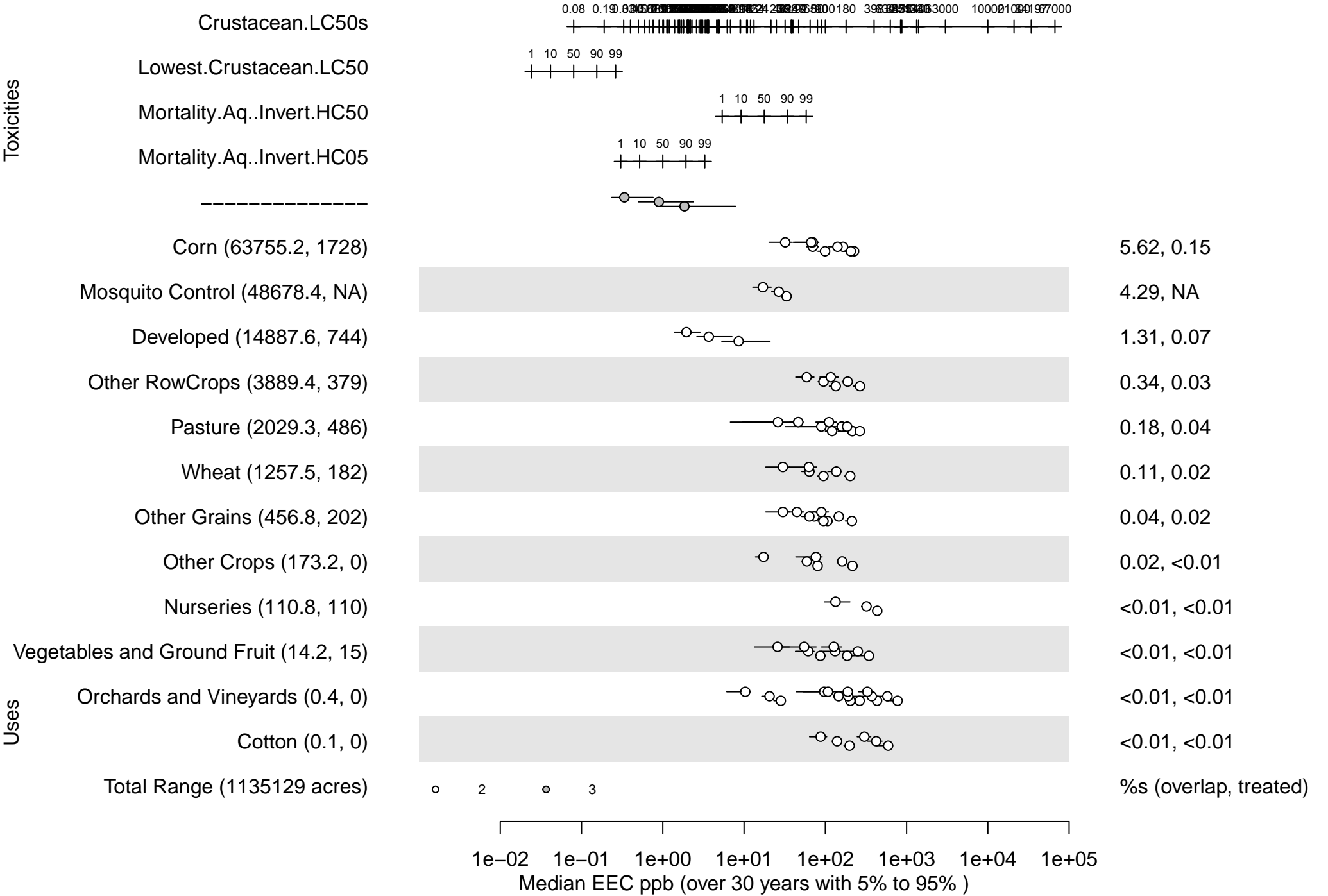


malathion: mal\_crust\_tox.txt  
yearly peak 1-d, 4-d, 21-d (from bottom up)  
huc:18a, bin:2,3  
California freshwater shrimp (481) Range



Toxicities

Uses



Toxicities

Crustacean.LC50s

Lowest.Crustacean.LC50

Mortality.Aq..Invert.HC50

Mortality.Aq..Invert.HC05

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Uses

Mosquito Control (1802937.9, NA)

Pasture (3070.2, 2119)

Developed (3030.7, 151)

Orchards and Vineyards (216.5, 285)

Vegetables and Ground Fruit (90.2, 87)

Corn (62.5, 65)

Other Crops (59.1, 0)

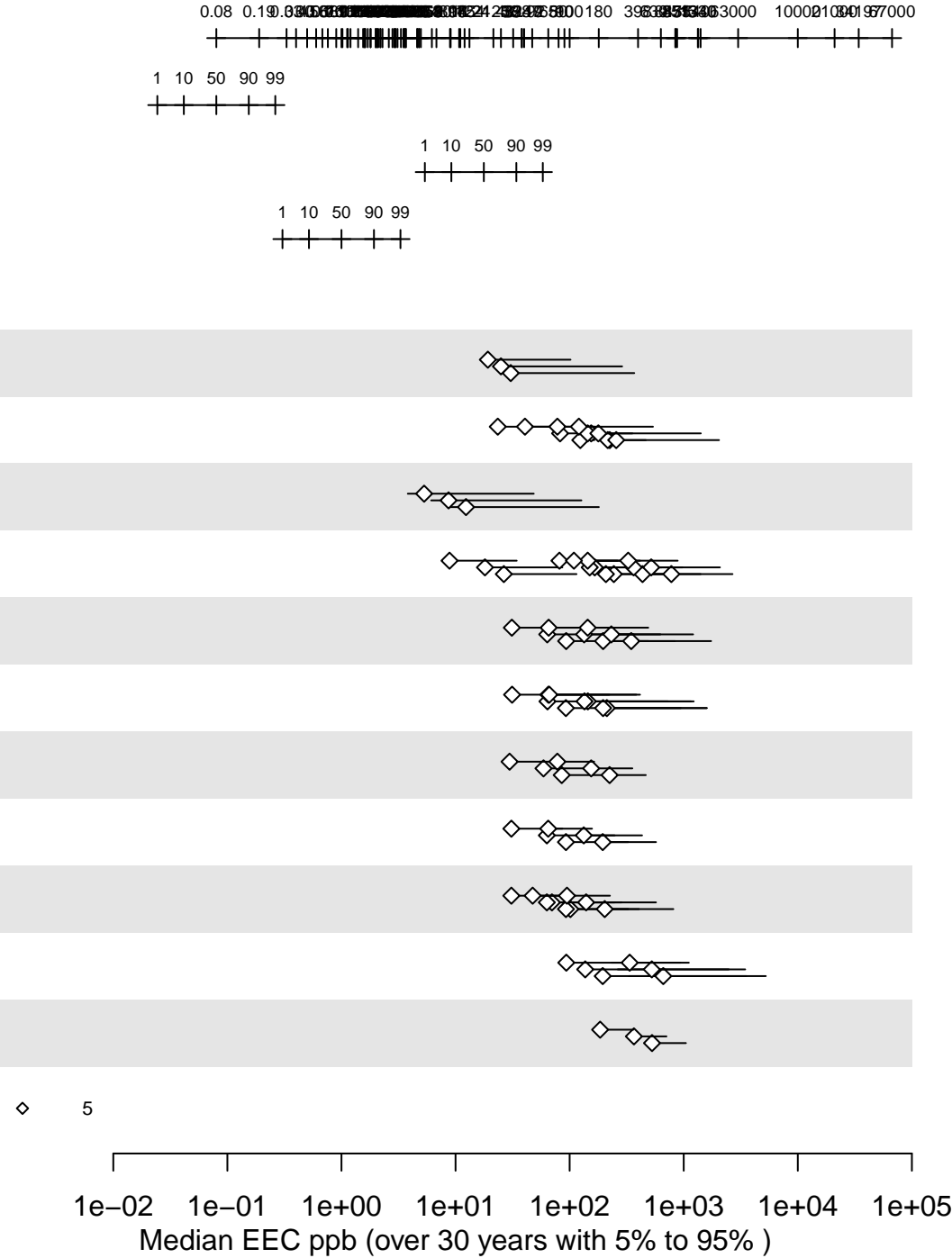
Wheat (50.2, 28)

Other Grains (46.7, 47)

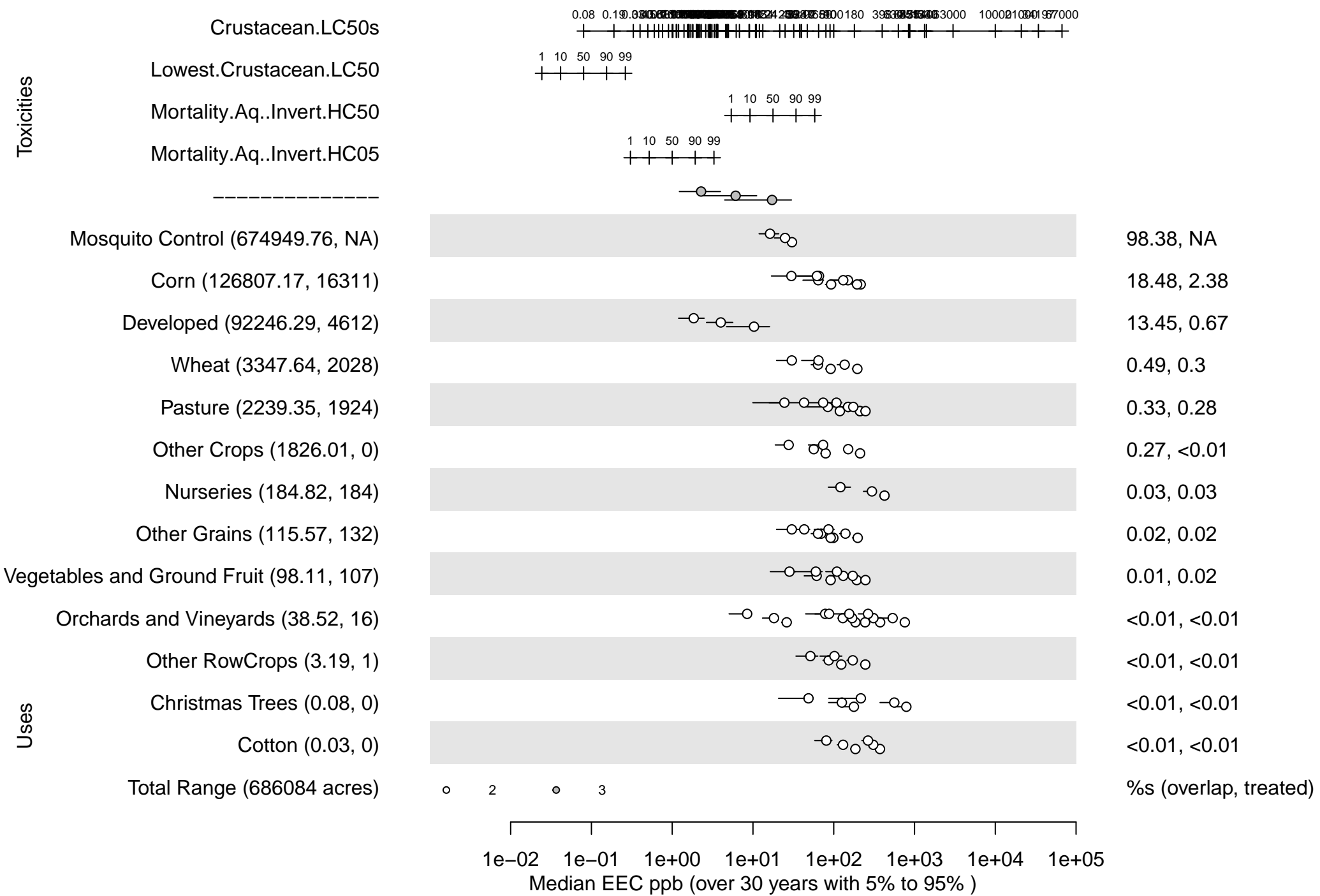
Cotton (4.4, 1)

Nurseries (0.8, 0)

Total Range (4255697 acres)



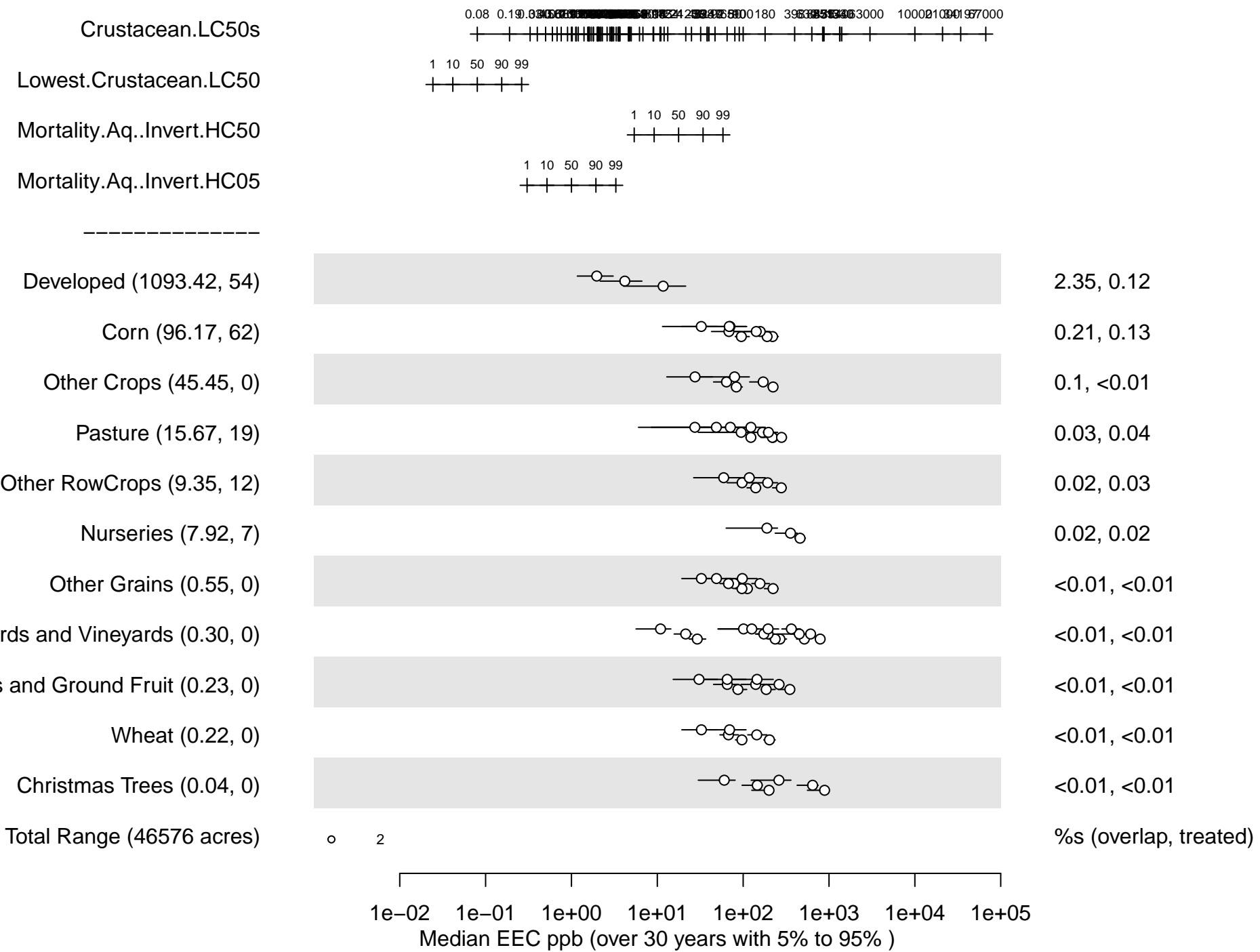
malathion: mal\_crust\_tox.txt  
yearly peak 1-d, 4-d, 21-d (from bottom up)  
huc:13, bin:5  
Socorro isopod (483) Range



malathion: mal\_crust\_tox.txt  
yearly peak 1-d, 4-d, 21-d (from bottom up)  
huc:7, bin:2,3  
Illinois cave amphipod (484) Range

Toxicities

Uses

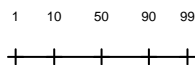


Toxicities

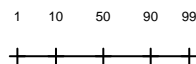
Crustacean.LC50s



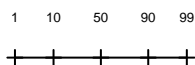
Lowest.Crustacean.LC50



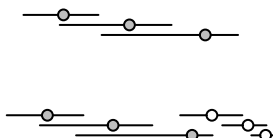
Mortality.Aq..Invert.HC50



Mortality.Aq..Invert.HC05

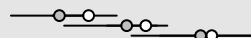


Mosquito Control (136471.3, 135200)



96.11, 95.21

Developed (6768.9, 338)



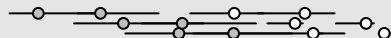
4.77, 0.24

Other RowCrops (3455.4, 3455)



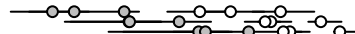
2.43, 2.43

Other Crops (2256.9, 0)



1.59, <0.01

Other Grains (1153.8, 1153)



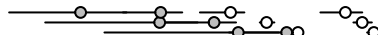
0.81, 0.81

Corn (442.4, 157)



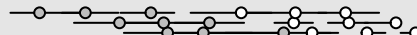
0.31, 0.11

Cotton (279.7, 275)



0.2, 0.19

Vegetables and Ground Fruit (151.6, 151)



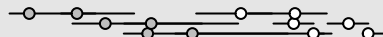
0.11, 0.11

Nurseries (42.5, 42)



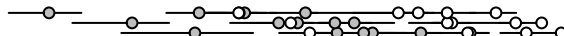
0.03, 0.03

Wheat (17.6, 0)



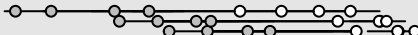
0.01, <0.01

Orchards and Vineyards (12.7, 12)



<0.01, <0.01

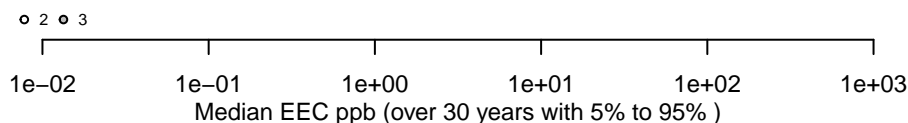
Pasture (0.6, 0)



<0.01, <0.01

Total Range (142000 acres)

%s (overlap, treated)

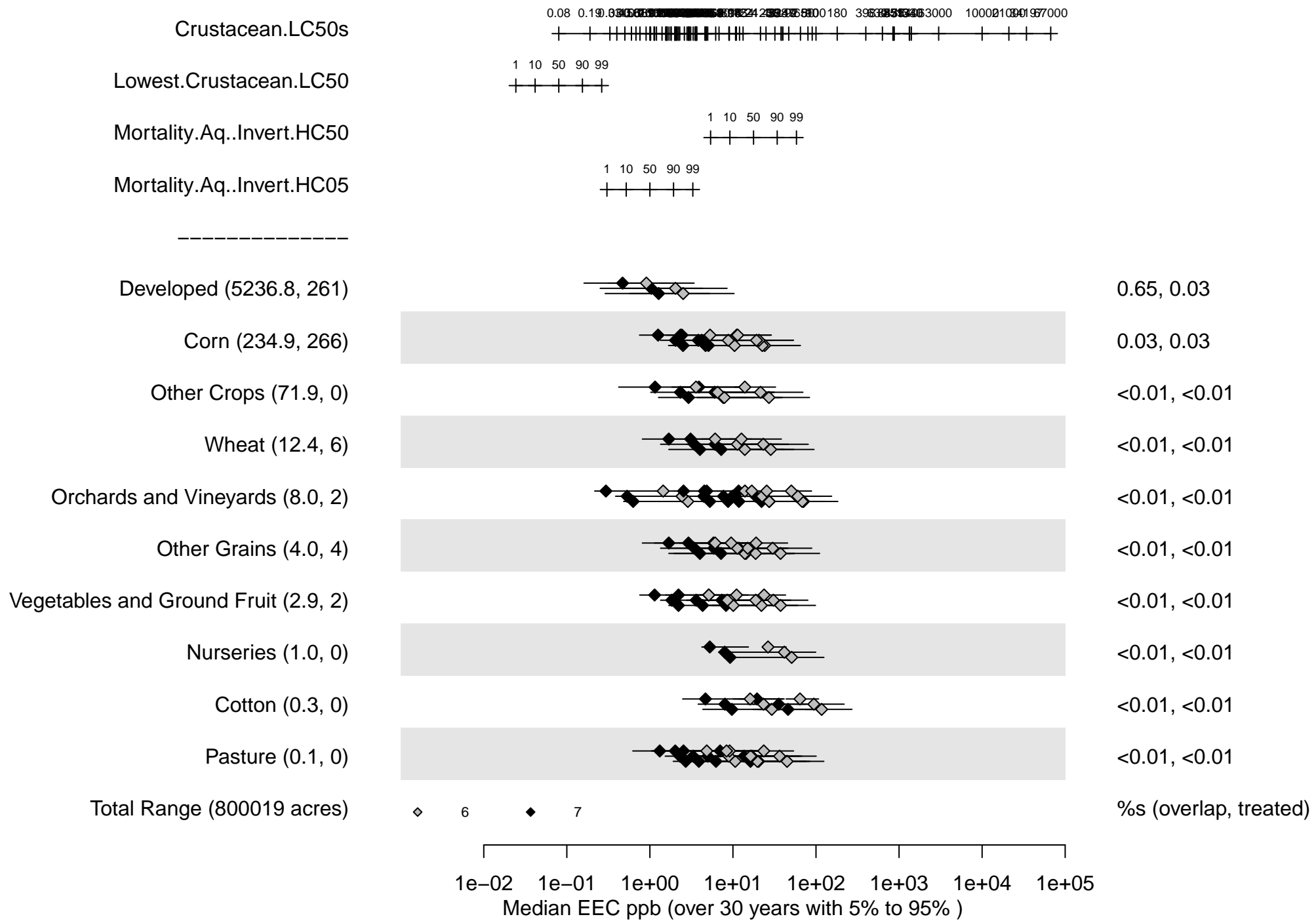


malathion: mal\_crust\_tox.txt  
yearly peak 1-d, 4-d, 21-d (from bottom up)  
huc:3, bin:2,3  
Squirrel Chimney Cave shrimp (487) Range

Uses

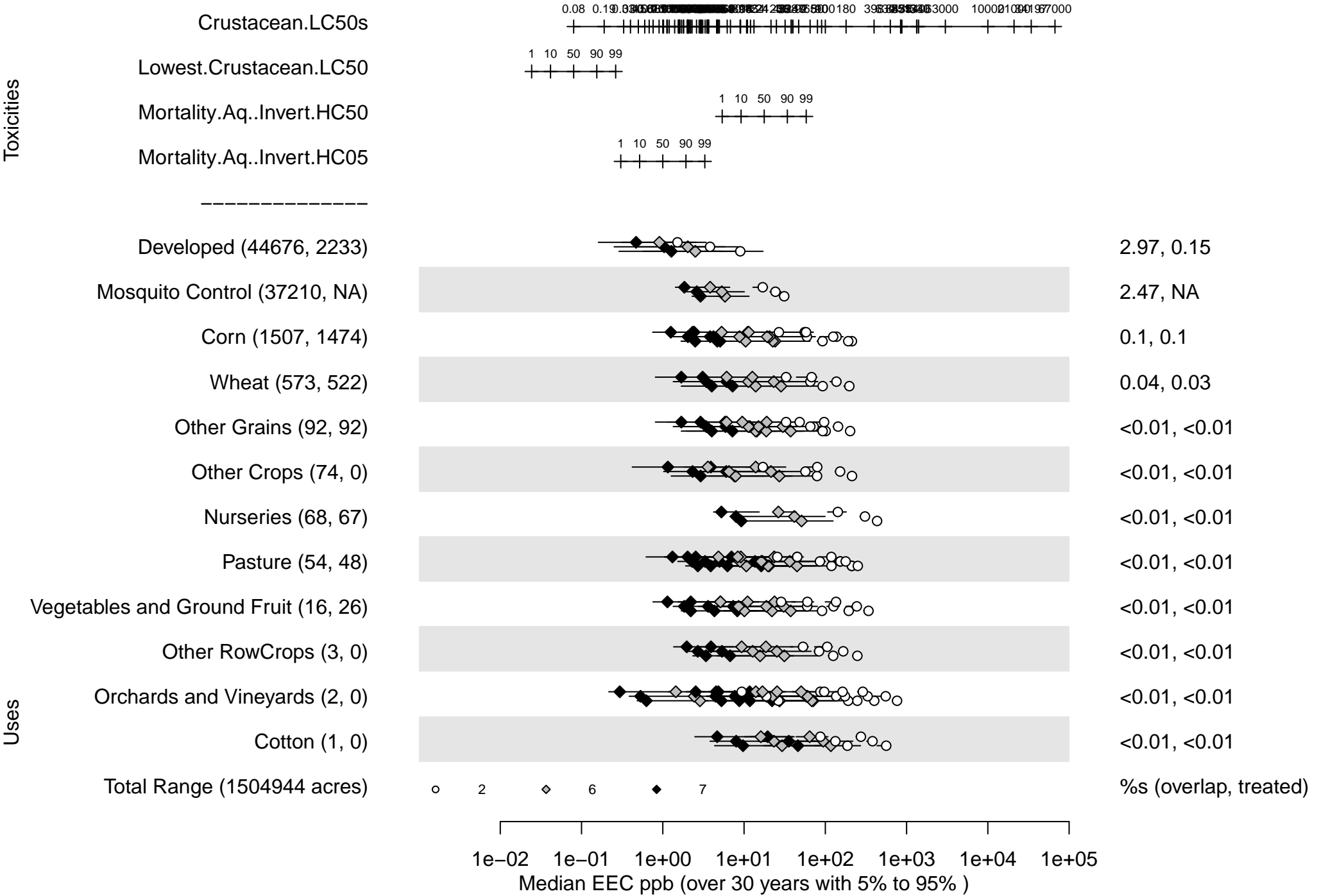
Toxicities

Uses

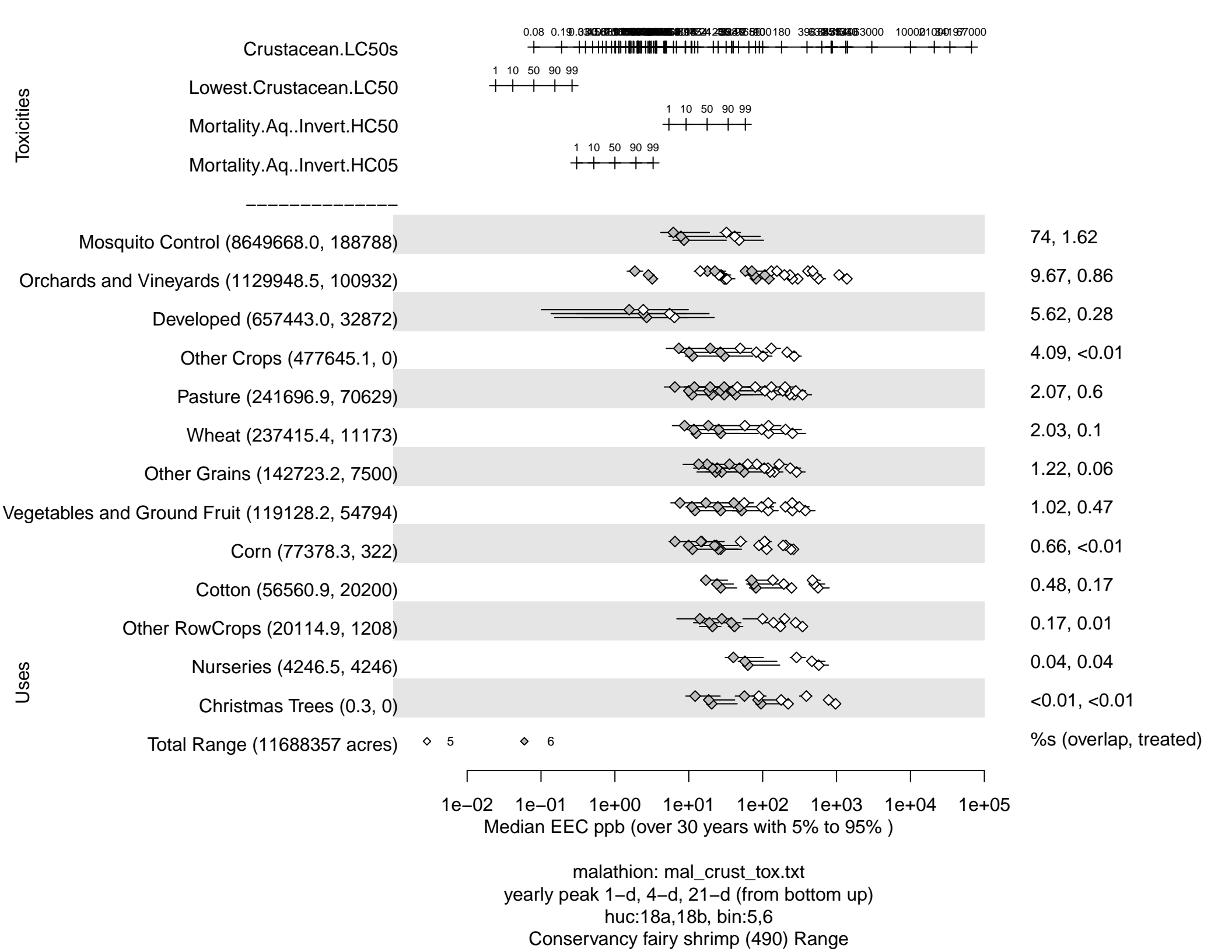


Toxicities

Uses



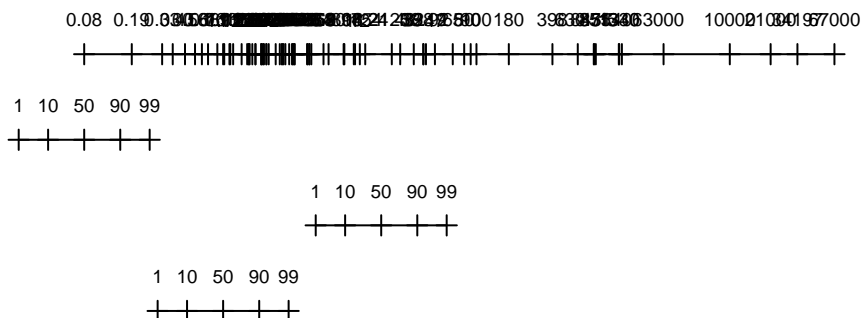
malathion: mal\_crust\_tox.txt  
yearly peak 1-d, 4-d, 21-d (from bottom up)  
huc:11a, bin:2,6,7  
Cave crayfish (489) Range





Toxicities

Crustacean.LC50s  
Lowest.Crustacean.LC50  
Mortality.Aq..Invert.HC50  
Mortality.Aq..Invert.HC05



Vegetables and Ground Fruit (5364, 6222)

Orchards and Vineyards (5963, 5931)

Wheat (5976, 5188)

Other Grains (6050, 4731)

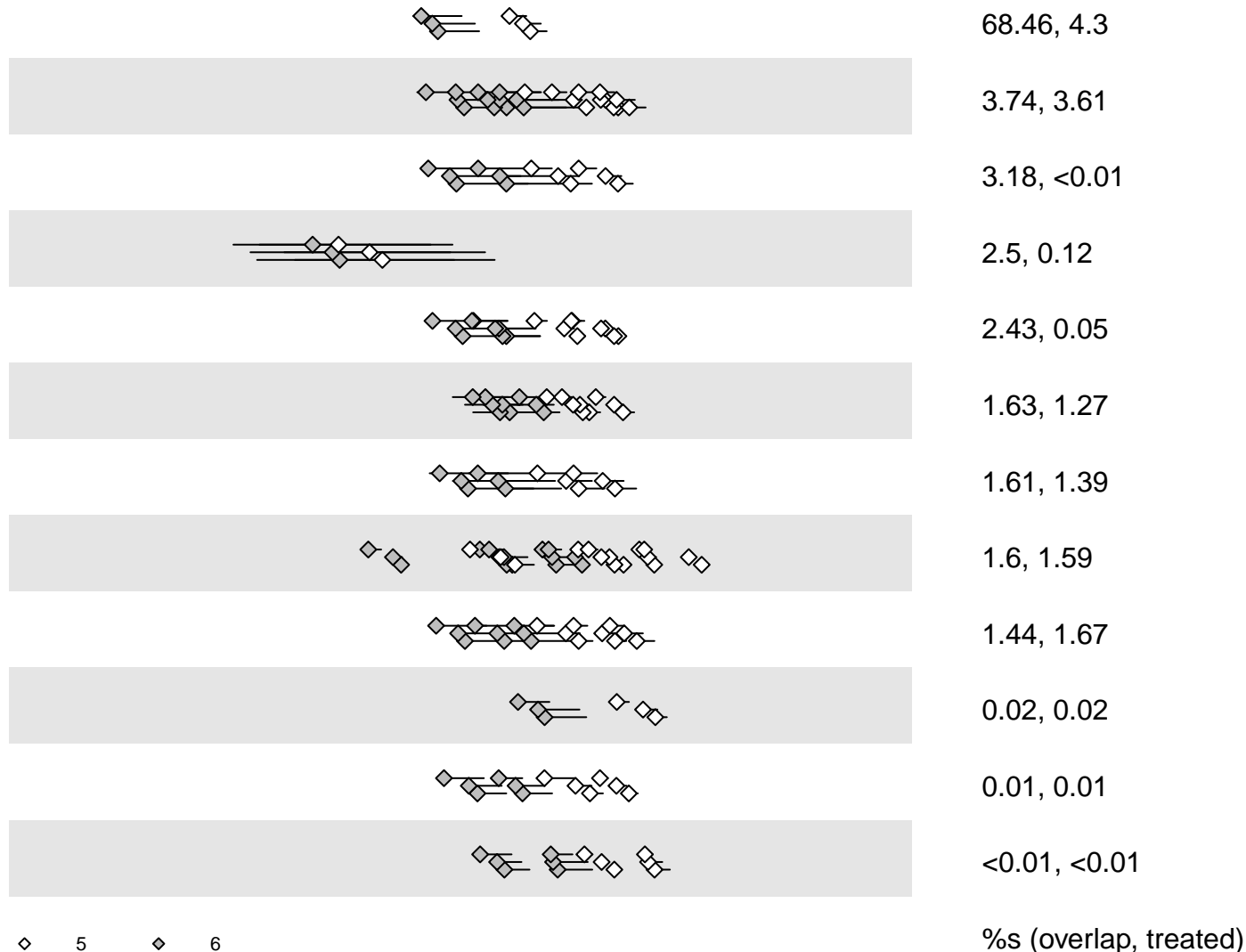
Corn (9042, 203)

Developed (9296, 464)

Other Crops (11818, 0)

Pasture (13921, 13427)

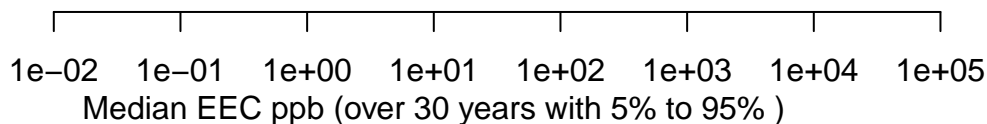
Mosquito Control (254771, 15999)



Total Range (372133 acres)

◇ 5 ◇ 6

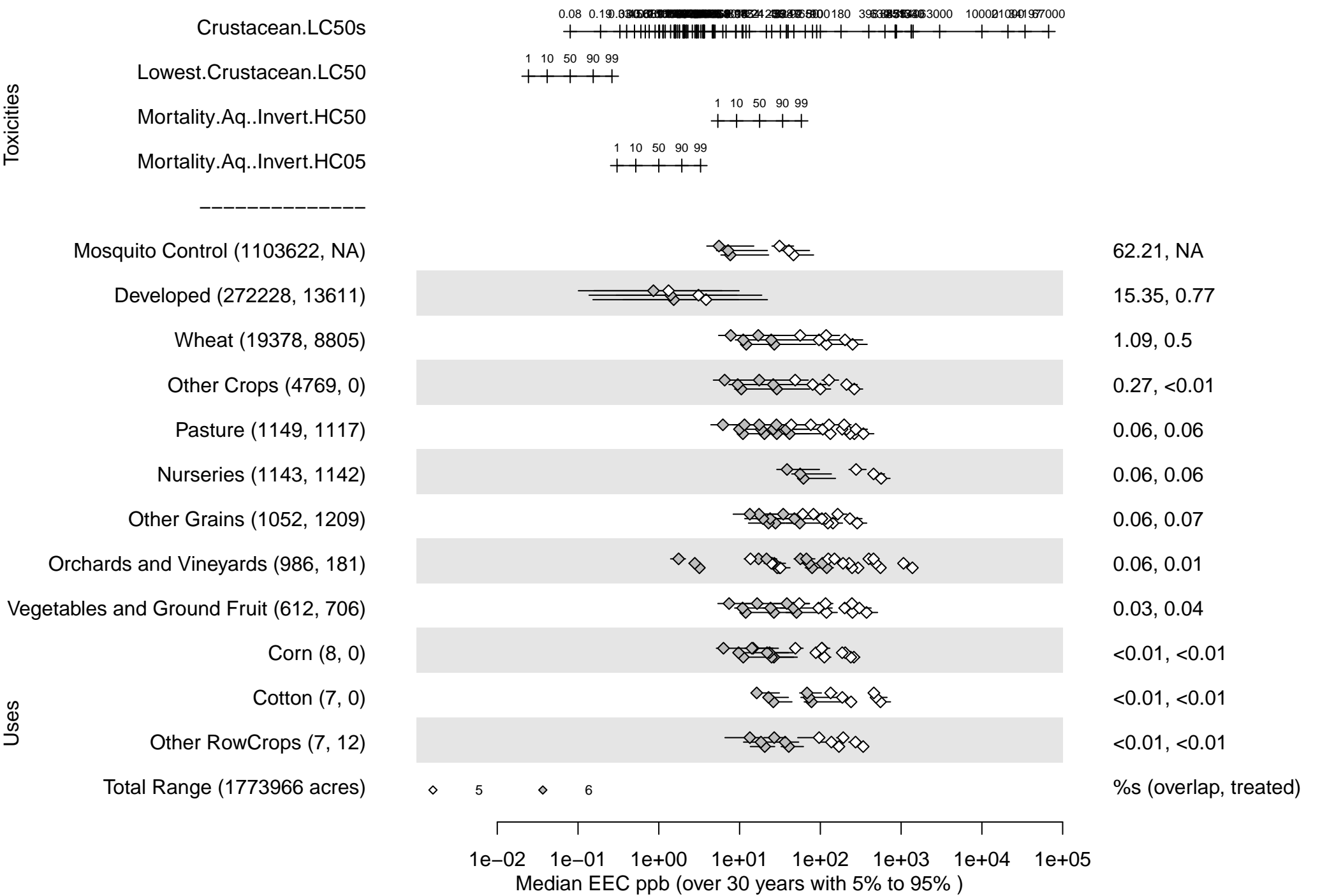
%s (overlap, treated)



malathion: mal\_crust\_tox.txt  
yearly peak 1-d, 4-d, 21-d (from bottom up)  
huc:18b,18a, bin:5,6  
Longhorn fairy shrimp (491) Range

Toxicities

Uses



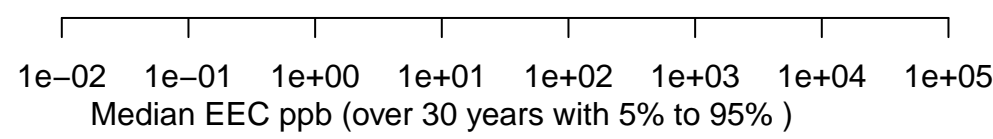
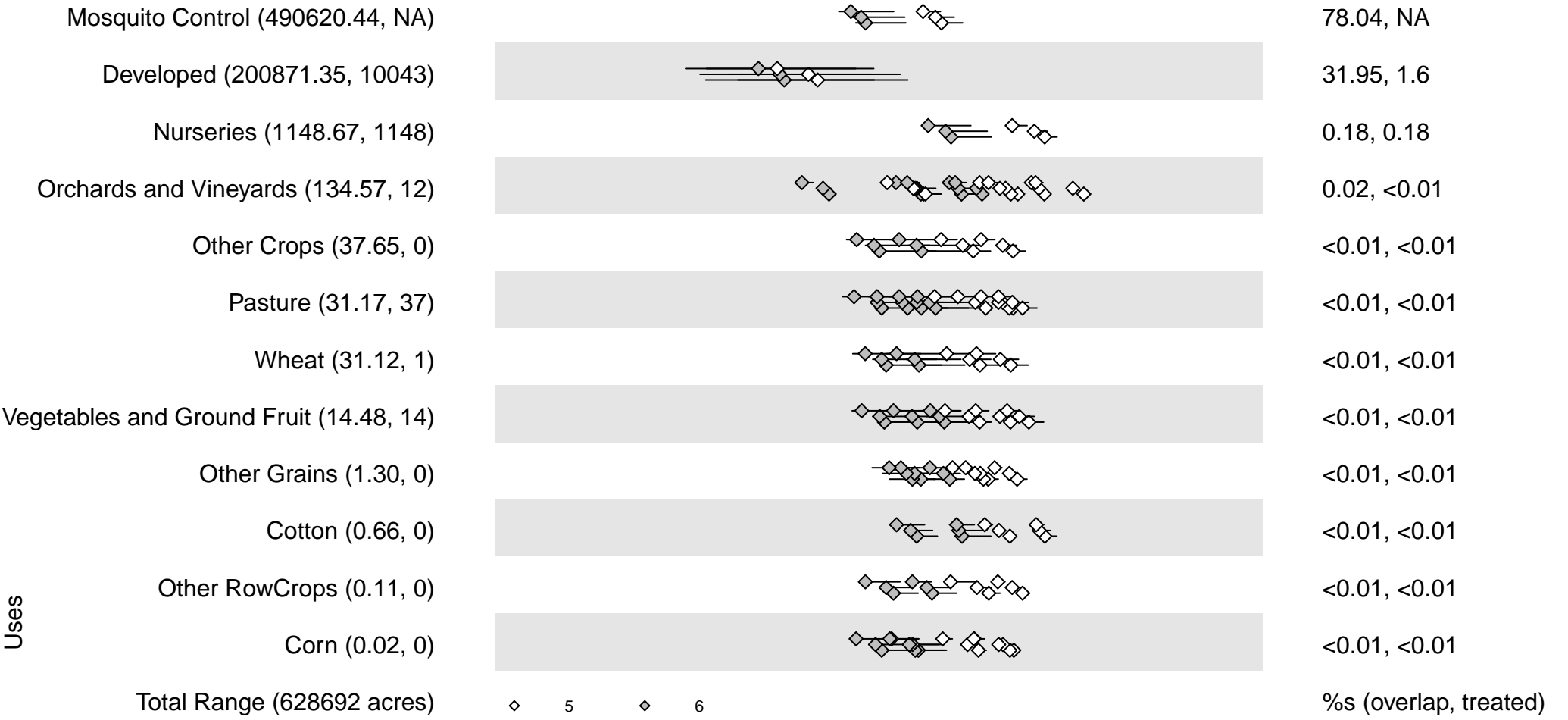
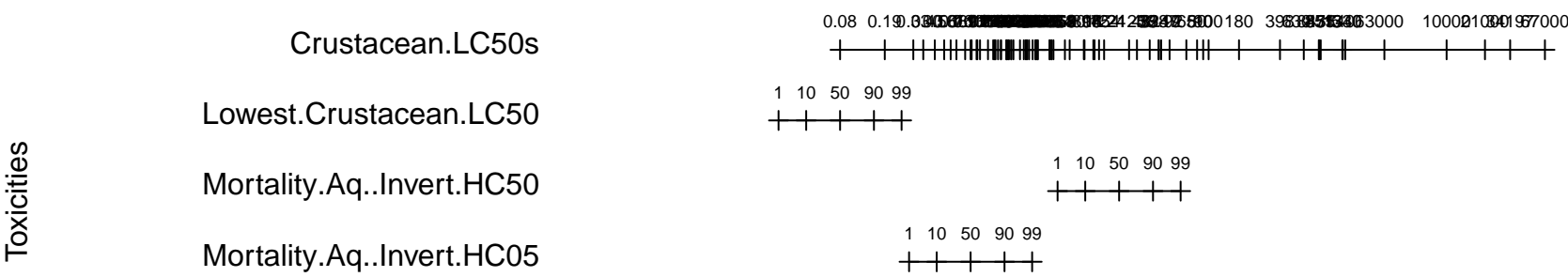
malathion: mal\_crust\_tox.txt  
yearly peak 1-d, 4-d, 21-d (from bottom up)  
huc:18a,18b, bin:5,6  
Riverside fairy shrimp (492) Range



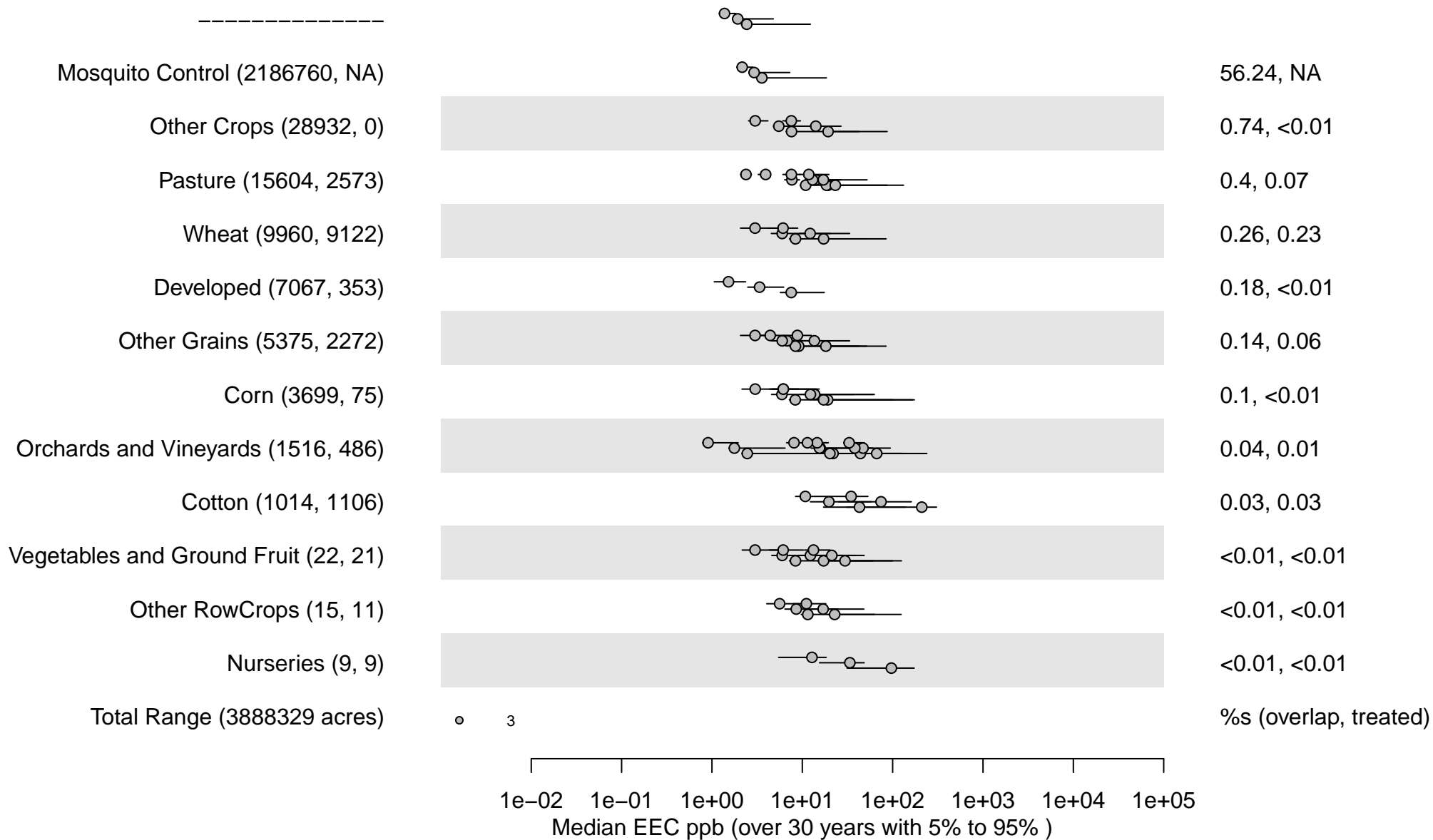
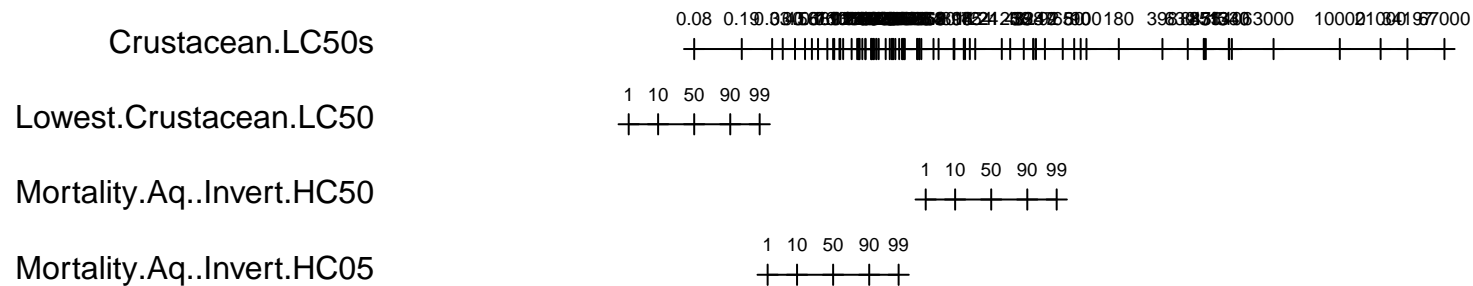


Toxicities

Uses

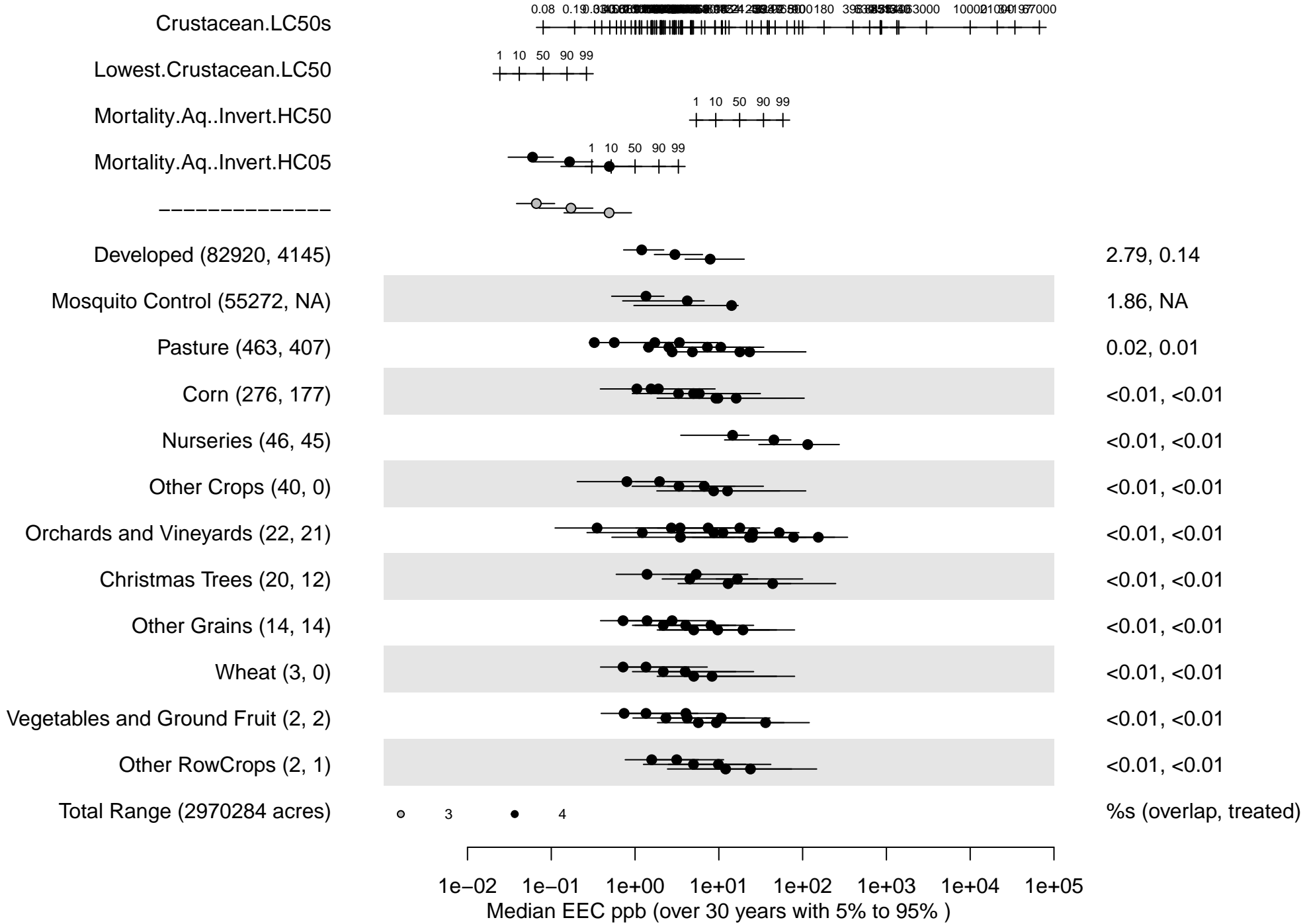


malathion: mal\_crust\_tox.txt  
yearly peak 1-d, 4-d, 21-d (from bottom up)  
huc:18b,18a, bin:5,6  
San Diego fairy shrimp (495) Range



Toxicities

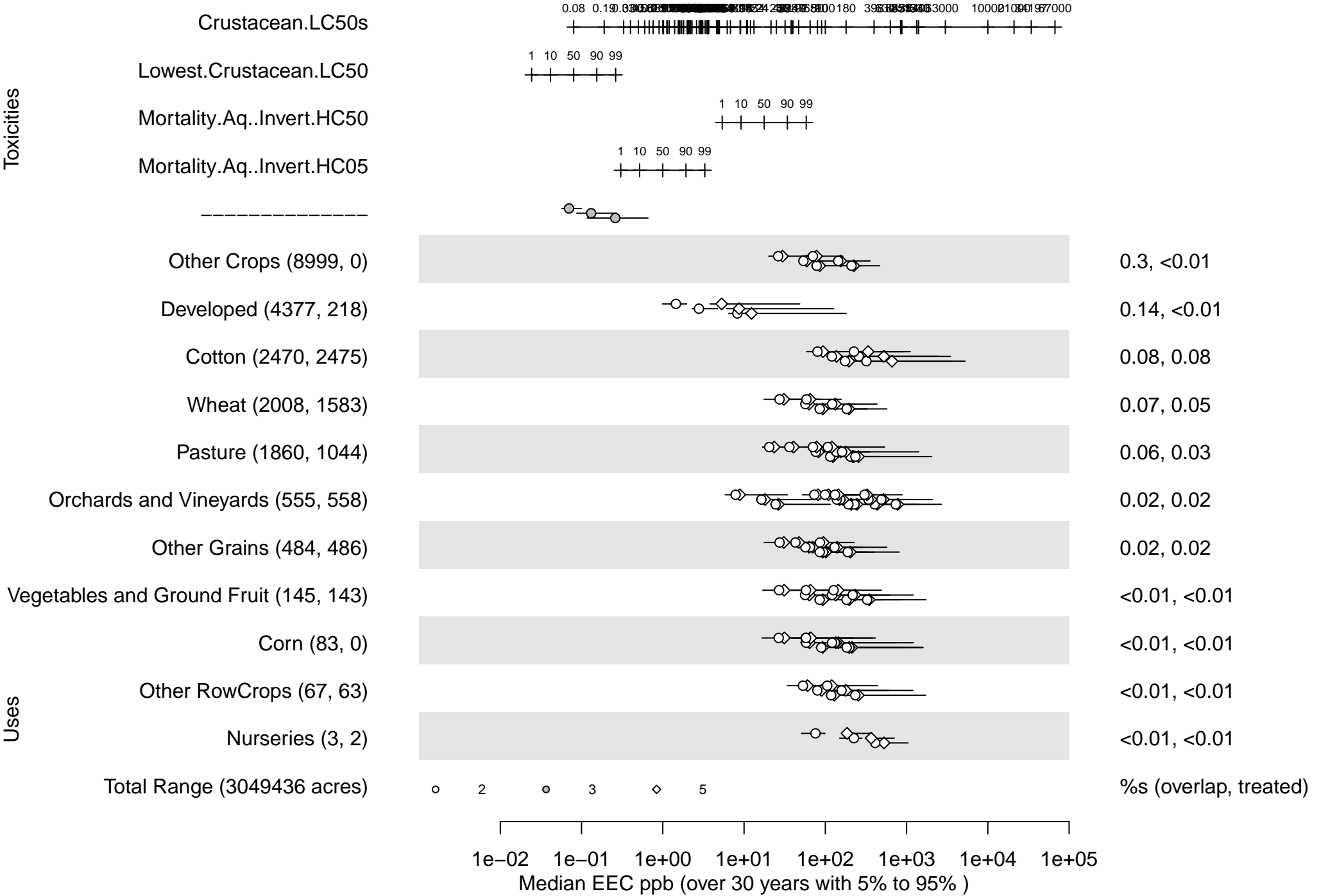
Uses



malathion: mal\_crust\_tox.txt  
yearly peak 1-d, 4-d, 21-d (from bottom up)  
huc:5,6, bin:3,4  
Big Sandy crayfish (5153) Range

Toxicities

Uses

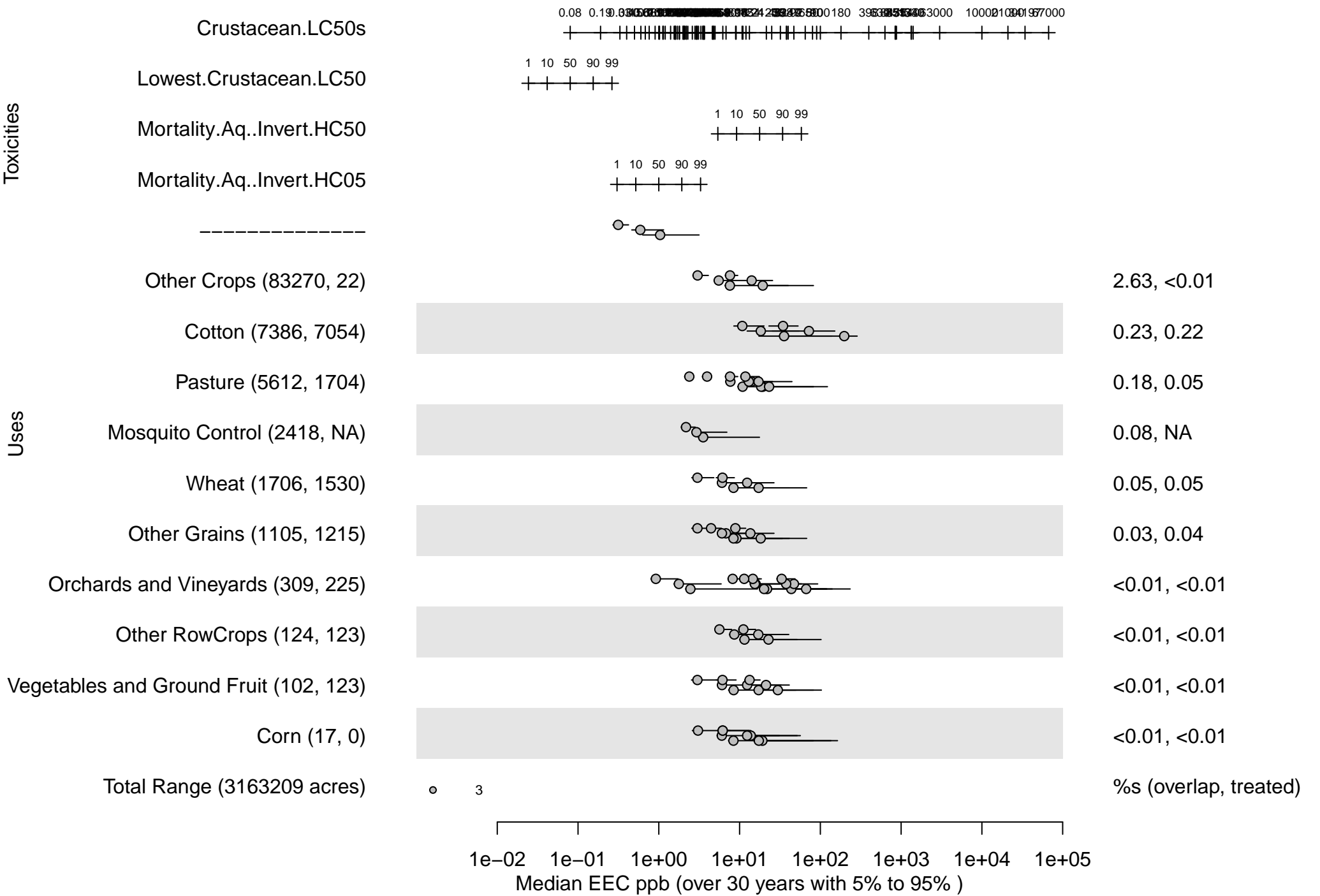


malathion: mal\_crust\_tox.txt  
yearly peak 1-d, 4-d, 21-d (from bottom up)  
huc:13, bin:2,3,5  
Pecos amphipod (6596) Range



Toxicities

Uses



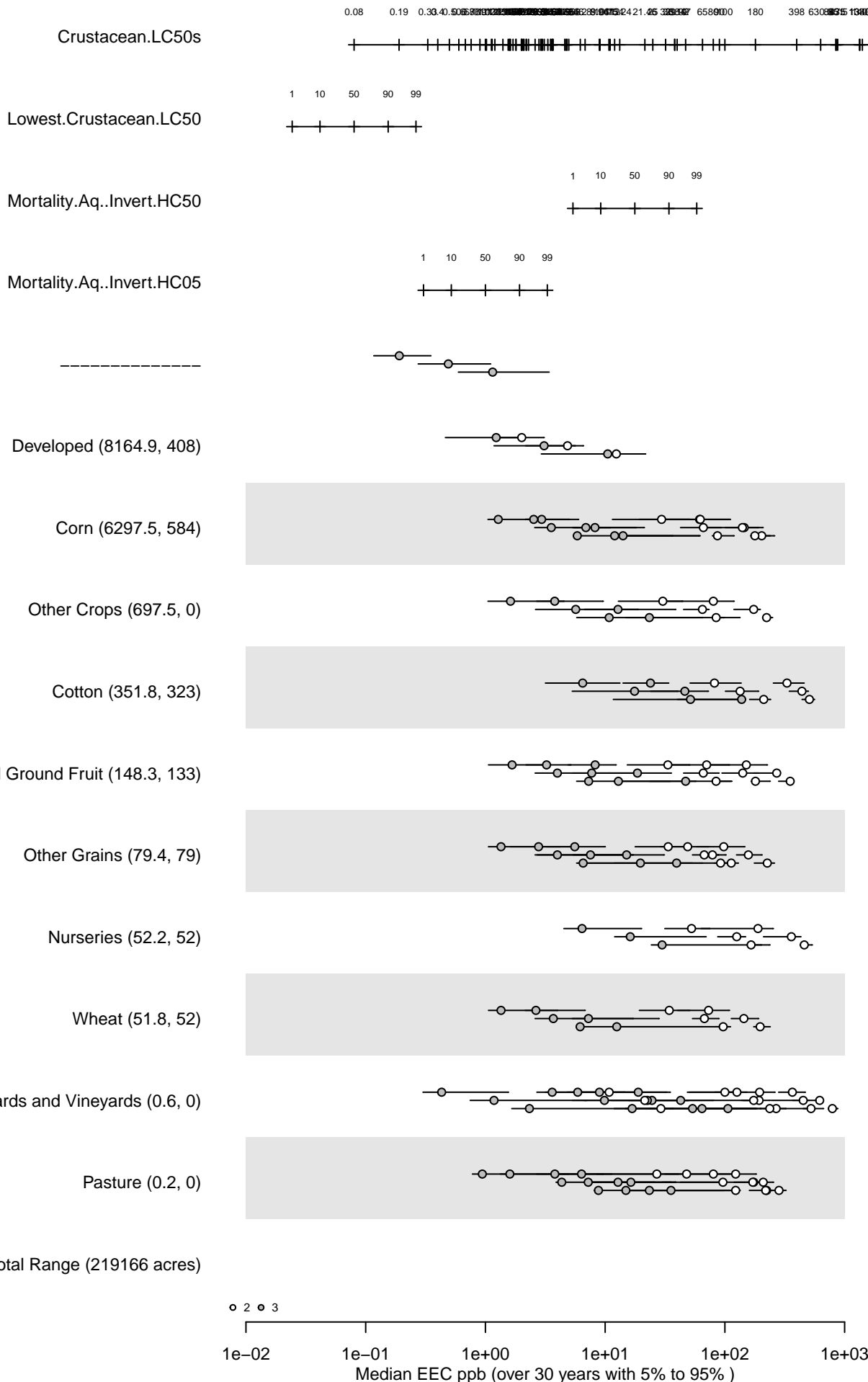
malathion: mal\_crust\_tox.txt  
yearly peak 1-d, 4-d, 21-d (from bottom up)  
huc:13, bin:3  
Diminutive Amphipod (8172) Range

Toxicities

Vegetables and Ground Fruit (148.3, 133)

Uses

Total Range (219166 acres)



Toxicities

Uses

Crustacean.LC50s

Lowest.Crustacean.LC50

Mortality.Aq..Invert.HC50

Mortality.Aq..Invert.HC05

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Mosquito Control (235711.44, NA)

Developed (15669.59, 783)

Nurseries (20.58, 20)

Corn (14.92, 5)

Orchards and Vineyards (5.39, 2)

Other Crops (5.04, 0)

Pasture (4.35, 4)

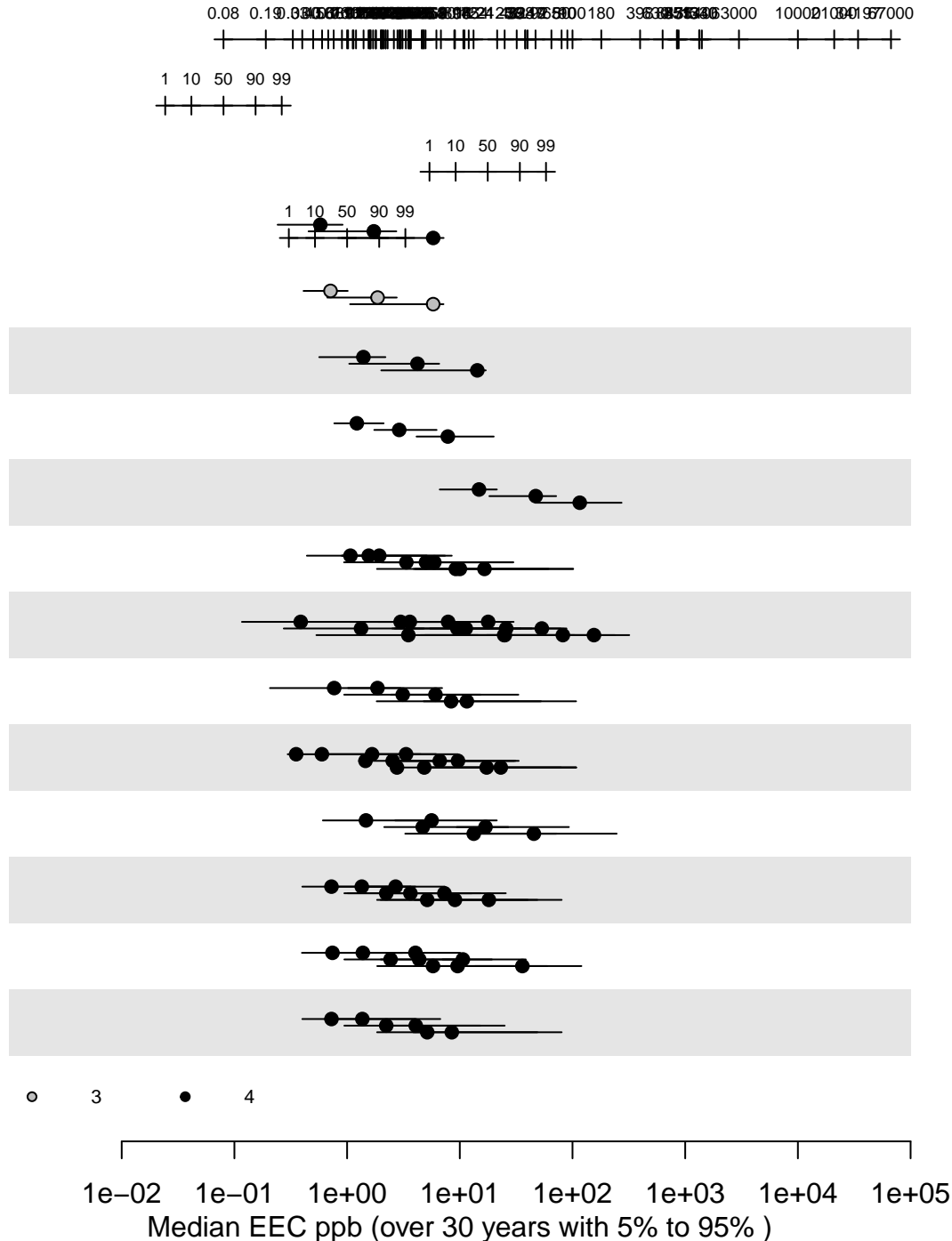
Christmas Trees (2.15, 1)

Other Grains (1.09, 1)

Vegetables and Ground Fruit (0.35, 0)

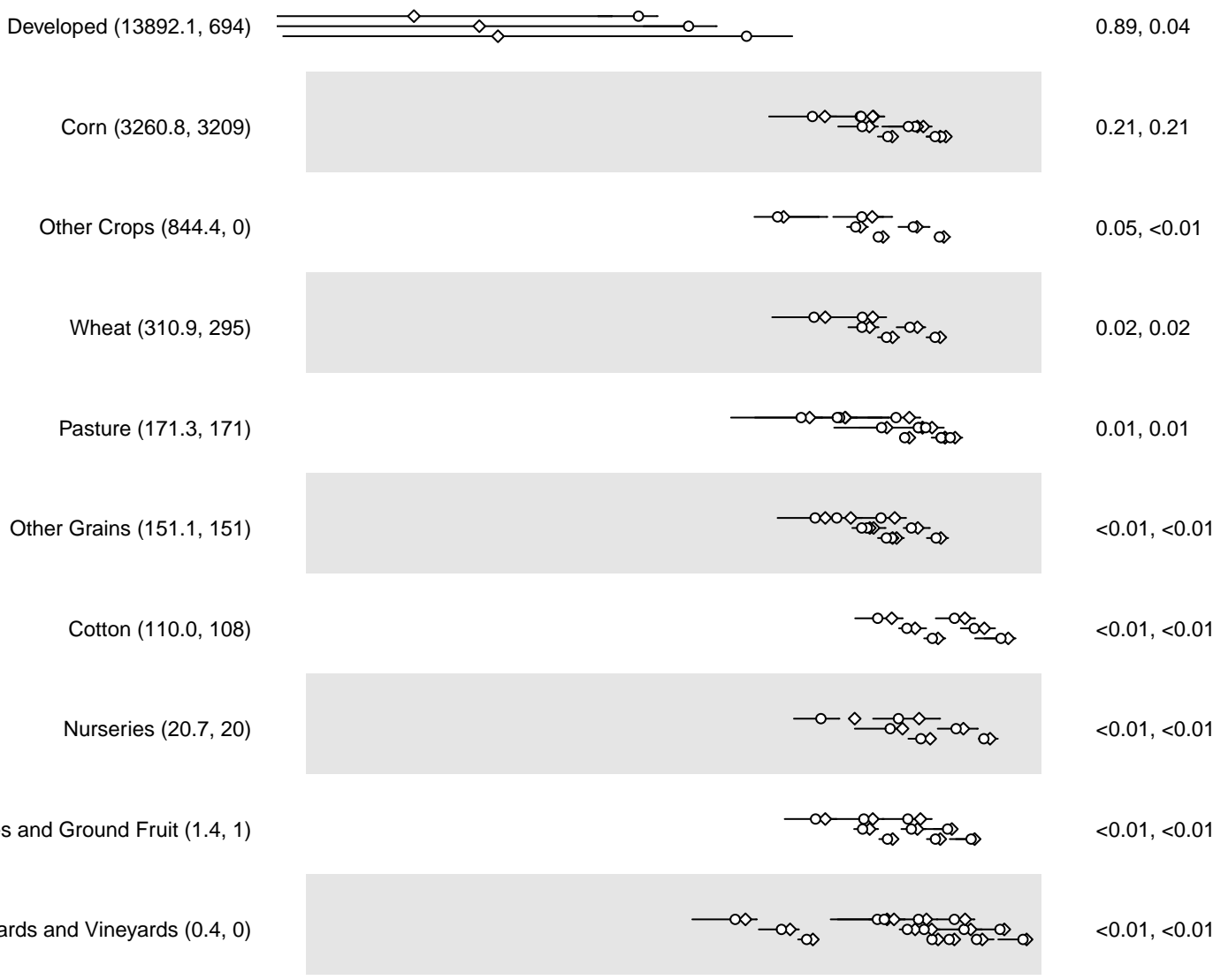
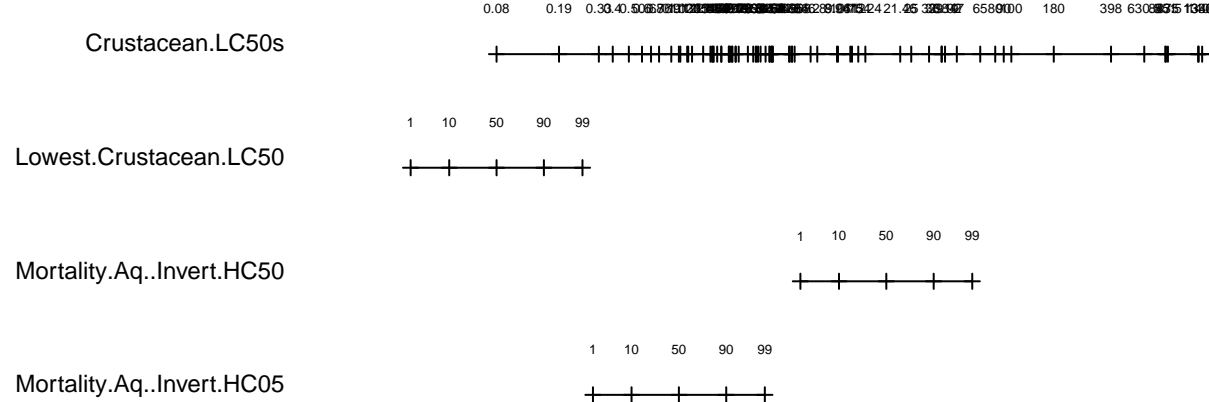
Wheat (0.06, 0)

Total Range (602162 acres)

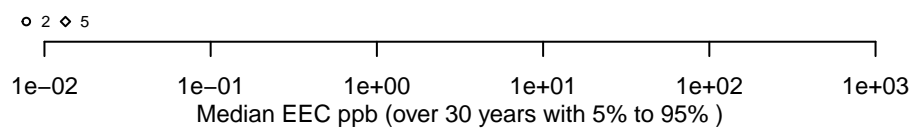


Toxicities

Uses



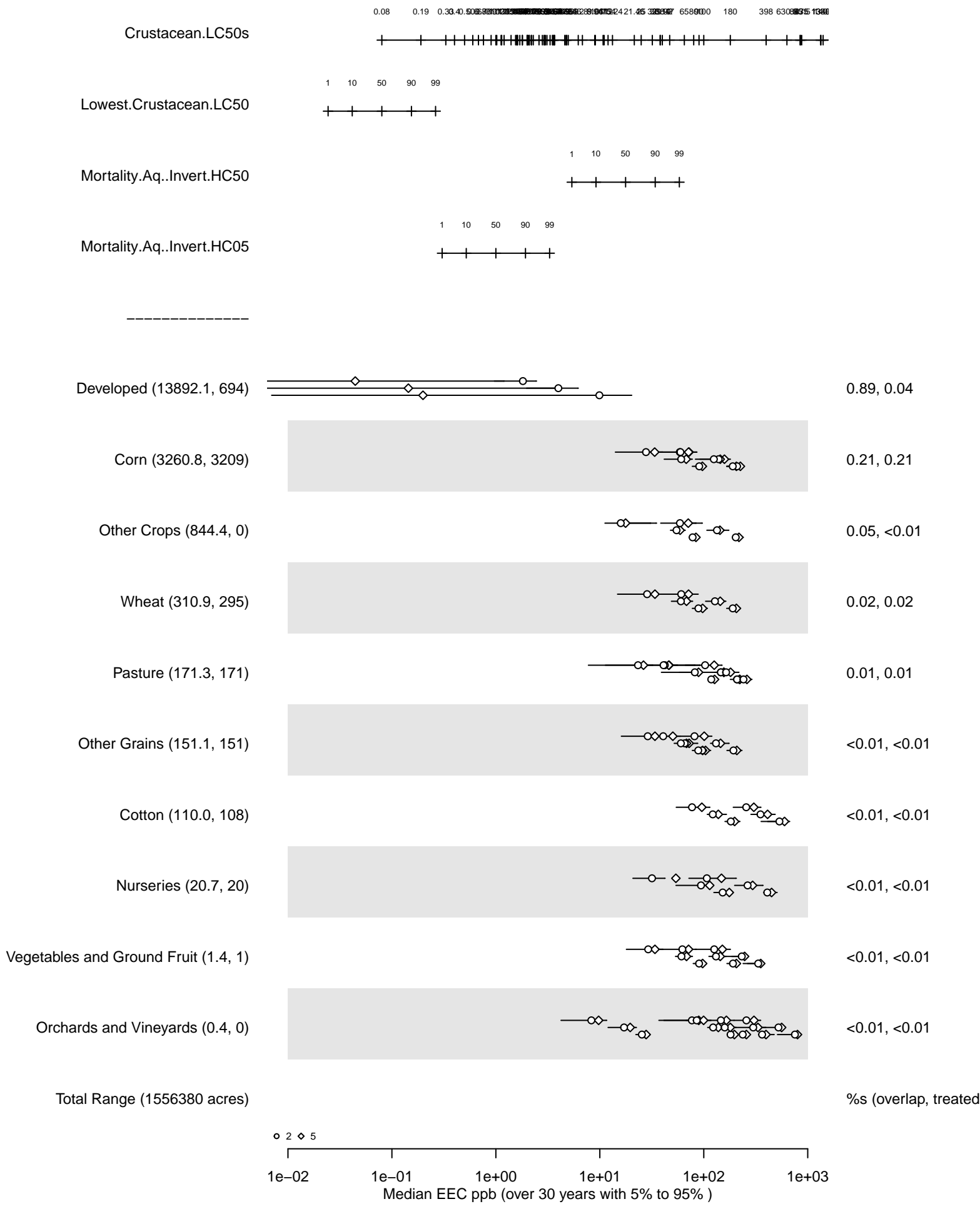
Total Range (1556380 acres) %s (overlap, treated)



malathion: mal\_crust\_tox.txt  
yearly peak 1-d, 4-d, 21-d (from bottom up)  
huc:7,8,11a, bin:2,5  
Big Creek crayfish\_11563

Toxicities

Uses



malathion: mal\_crust\_tox.txt  
yearly peak 1-d, 4-d, 21-d (from bottom up)  
huc:7,8,11a, bin:2,5  
St. Francis River crayfish\_11564