

**Measured Bioaccumulation Data for Uptake of Non-Ionic Organic Chemicals from Soil into Plant Foliage as Reported in USEPA OSWER Directive 9285.7-55, Attachment 4-1<sup>1</sup>**

<b>Chemical Name</b>	<b>Crop Type</b> (Eco-SSL, Appx. B - PDF 53)
Aroclor 1254	Fescue, Soybean, Carrot
Aroclor 1260	Corn, Weeds
Diflubenzuron	Collards, Grass, Pinto beans, Radish, Weeds, Wheat
Aldicarb	Alfalfa, Mint, Mustard, Orange, Potato (leaves), Radish
Aldrin	Corn, Wheat, Lettuce, Alfalfa
alpha-Chlordane	Corn, Alfalfa
Dieldrin	Corn, Wheat, Alfalfa, Grass, Lettuce, Barley, Legume
gamma-Chlordane	Corn, Alfalfa
3,4-Dichloroaniline	Barley, Potato, Weeds
Dicloran	Lettuce
Hexachlorobenzene	Lettuce, Zoysia grass
PCNB	Lettuce
Anthracene	Clover, Rye grass, Timothy grass, Carrot, Beet, Cabbage, Endive, Leek, Lettuce, Soybean, Sugar beet
Benzo(a)anthracene	Lettuce
Benzo(a)pyrene	Clover, Rye grass, Timothy grass, Carrot, Beet, Cabbage, Endive, Leek, Lettuce, Sugar beet
Benzo(b)fluoranthene	Carrot, Cabbage, Endive, Leek, Lettuce
Benzo(e)pyrene	Cabbage, Endive, Leek, Lettuce
Benzo(ghi)perylene	Clover, Rye grass, Timothy grass, Carrot, Beet, Cabbage, Endive, Leek, Lettuce, Sugar beet
Benzo(k)fluoranthene	Clover, Rye grass, Timothy grass, Carrot, Beet, Cabbage, Endive, Leek, Lettuce, Sugar beet
Chrysene	Cabbage, Endive, Leek, Lettuce
Benzo(a)anthracene/Chrysene	Carrot, Beet, Clover, Rye grass, Timothy grass, Sugar beet
Coronene	Clover, Rye grass, Timothy grass, Carrot
Dibenz(ah)anthracene	Clover, Rye grass, Cabbage, Endive, Leek, Lettuce
Fluoranthene	Clover, Rye grass, Timothy grass, Carrot, Beet, Cabbage, Endive, Leek, Lettuce, Sugar beet
Fluorene	Cabbage, Endive, Leek, Lettuce
Acenaphthene/Fluorene	Carrot, Beet, Clover, Rye grass, Timothy grass, Sugar beet
Indeno(123 cd)pyrene	Cabbage, Endive
Naphthalene	Clover, Rye grass, Timothy grass, Carrot, Beet, Cabbage, Endive, Leek, Lettuce, Sugar beet
Phenanthrene	Clover, Rye grass, Timothy grass, Carrot, Beet, Cabbage, Endive, Leek, Lettuce, Sugar beet
Pyrene	Clover, Rye grass, Timothy grass, Carrot, Beet, Cabbage, Endive, Leek, Lettuce, Sugar beet
2,2',4,4',6-Pentachlorobiphenyl	Carrot, Sugar beet
2,2'-Dichlorobiphenyl	Soybean
2,2'-Dichlorophenyl	Carrot, Corn, Sugar beet
2,3,6,4'-Tetrachlorobiphenyl	Soybean

<sup>1</sup> Attachment 4-1, Guidance for Developing Ecological Soil Screening Levels (Eco-SSLs): *Exposure Factors and Bioaccumulation Models for Derivation of Wildlife Eco-SSLs*. OSWER Directive 9285.7-55. Revised April 2007.

<b>Chemical Name</b>	<b>Crop Type</b> (Eco-SSL, Appx. B - PDF 53)
2,4,4'-Trichlorobiphenyl	Corn, Pinto beans, String beans
2,4',5-Trichlorobiphenyl	Carrot, Sugar beet
2-Chlorobiphenyl	Corn, Pinto beans, String beans, Soybean
PCB 101	Rice
PCB 110	Rice
PCB 128	Rice
PCB 137	Rice
PCB 138	Rice
PCB 141	Rice
PCB 146	Rice
PCB 153	Rice
PCB 170	Rice
PCB 174	Rice
PCB 175	Rice
PCB 177	Rice
PCB 178	Rice
PCB 180	Rice
PCB 185	Rice
PCB 8	Corn, Rice, Soybean
PCB 19	Rice
PCB 22	Rice
PCB 33	Rice
PCB 40	Rice
PCB 44	Rice
PCB 45	Rice
PCB 49	Corn, Pinto beans, Rice, Soybean, String beans
PCB 52	Corn, Pinto beans, Rice, Soybean, String beans
PCB 66	Rice
PCB 70	Rice
PCB 74	Rice
PCB 82	Rice
PCB 83	Rice
PCB 85	Rice
PCB 87	Rice
PCB 97	Rice
PCB 99	Rice
PCB 118/PCB 108	Rice
PCB 16/32	Rice
PCB 18/17	Rice
PCB 187/PCB 159	Rice
PCB 26/PCB 25	Rice
PCB 31/28	Rice

<b>Chemical Name</b>	<b>Crop Type</b> (Eco-SSL, Appx. B - PDF 53)
PCB 37/PCB 42	Rice
PCB 41/PCB 64	Rice
PCB 47/PCB 48	Rice
PCB 60/PCB 56	Rice
Total PCBs	Rice
Total PAHs	Beet, Carrot, Clover, Rye grass, Sugar beet, Timothy grass
Cyanazine	Corn
Heptachlor	Alfalfa, Lettuce
Heptachlor Epoxide	Alfalfa, Lettuce
Mirex	Garden beans, Sorghum, Soybean, Wheat
DDE	Grass
DDT	Grass
Ethofumesate	Sugar Beet
Lindane	Cabbage, Grass, Pea
Benfluralin	Carrot
TNT	Black Locust, Smooth Bromegrass
RDX	Black Locust, Smooth Bromegrass, Goldenrod, Grass, Milkweed, Pigweed, Ragweed, Red Cedar, Smartweed, Sunflower, Barley, Legume, Wheat
	These chemicals are included in both Appendices B (PDF 53), and C (PDF 69) of the Eco-SSL document