PAN Pesticides Database - Chemical Toxicity Studies on Aquatic Organisms

Toxicity Studies for Triclopyr, triethylamine salt on Fish - Toxicology studies from the primary scientific literature on aquatic organisms

Use(s): Herbicide Chem Class: Chloropyridinyl U.S. EPA PC Code: 116002 CAS Number: 57213-69-1

Sorted by Organism Group, Effect, Measurement, Endpoint and LatinName.
Note: Only partial study information is reported on these pages. Full study information can be found at the U.S. EPA AQUIRE web site.

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Common Name / Scientific Name	Effect	Measurement	Life Stage	Study Time	Toxicity Endpoint	Toxic Dose			Conc Units	Conc Type	Chem Desc	Exper. Type	Acute Tox Rating	Outlier	Year	Journal
						Mean	Min	Max								
Fish Show list of all Fish Species																
Rainbow trout,donaldson trout Oncorhynchus mykiss	Avoidance	Chemical avoidance	JUVENILE, 4,8 CM	1 h	LOEC	800,000	-	-	ug/L	F	GARLON 3A	Flow through			1991	Environ.Toxi 10(1):73-79
Rainbow trout,donaldson trout Oncorhynchus mykiss	Behavior	Behavioral changes, general	JUVENILE, 4.8 CM	24 h	LOEC	200,000	-	-	ug/L	F	GARLON 3A	Flow through			1991	Environ.Toxi 10(1):73-79
Fathead minnow Pimephales promelas	Growth	Growth, general	EMBRYO, < 24 H	31 d	NR	72,700	-	-	ug/L	A	44.9 % AI	Flow through			1984	Bull.Environ.Con 33(3):339-347
Bluegill Lepomis macrochirus	Mortality	Mortality	0.6 g	96 h	LC50	891,000	787,000	1,011,000	ug/L	F	NR	Static	Not Acutely Toxic		2000	Environment Effects Division, Washington, D.C
Bluegill Lepomis macrochirus	Mortality	Mortality	NR	96 h	LC50	471,000	-	-	ug/L	F	NR	Flow through	Not Acutely Toxic		2000	Environment Effects Division, Washington, D.C
Inland silverside Menidia beryllina	Mortality	Mortality	0.10 g	96 h	LC50	130,000	114,000	154,000	ug/L	F	NR	Flow through	Not Acutely Toxic		2000	Environment Effects Division, Washington, D.C
Chum salmon Oncorhynchus keta	Mortality	Mortality	4.5(3.9-5.0) CM, 0.5(0.3-0.8) G,/	24 h	LC50	316,000	-	-	ug/L	A	36 % AE	Static	Not Acutely Toxic		1987	Bull.Environ.Con 39(4):721-728 (O File)
Chum salmon Oncorhynchus keta	Mortality	Mortality	4.5(3.9-5.0) CM, 0.5(0.3-0.8) G,/	48 h	LC50	290,000	-	-	ug/L	A	36 % AE	Static	Not Acutely Toxic		1987	Bull.Environ.Con 39(4):721-728 (O File)
Chum salmon Oncorhynchus keta	Mortality	Mortality	4.5(3.9-5.0) CM, 0.5(0.3-0.8) G,/	72 h	LC50	275,000	-	-	ug/L	A	36 % AE	Static	Not Acutely Toxic		1987	Bull.Environ.Con 39(4):721-728 (O File)
Chum salmon Oncorhynchus keta	Mortality	Mortality	4.5(3.9-5.0) CM, 0.5(0.3-0.8) G,/	96 h	LC50	267,000	-	-	ug/L	A	36 % AE	Static	Not Acutely Toxic		1987	Bull.Environ.Con 39(4):721-728 (O File)
Coho salmon,silver salmon Oncorhynchus kisutch	Mortality	Mortality	4.0(3.5-4.5) CM, 0.5(0.3-0.9) G,/	24 h	LC50	498,000	-	-	ug/L	A	36 % AE	Static	Not Acutely Toxic		1987	Bull.Environ.Con 39(4):721-728 (O File)
Coho salmon,silver salmon Oncorhynchus kisutch	Mortality	Mortality	4.0(3.5-4.5) CM, 0.5(0.3-9.9) G,/	48 h	LC50	476,000	-	-	ug/L	A	36 % AE	Static	Not Acutely Toxic		1987	Bull.Environ.Con 39(4):721-728 (O File)
Coho salmon,silver salmon Oncorhynchus kisutch	Mortality	Mortality	4.0(3.5-4.5) CM, 0.5(0.3-0.9) G,/	72 h	LC50	476,000	-	-	ug/L	A	36 % AE	Static	Not Acutely Toxic		1987	Bull.Environ.Con 39(4):721-728 (O File)
Coho salmon,silver salmon Oncorhynchus kisutch	Mortality	Mortality	4.0(3.5-4.5) CM, 0.5(0.3-0.9) G,/	96 h	LC50	463,000	-	-	ug/L	A	36 % AE	Static	Not Acutely Toxic		1987	Bull.Environ.Con 39(4):721-728 (O File)
Rainbow trout,donaldson trout Oncorhynchus mykiss	Mortality	Mortality	4.1(3.7-4.5) CM, 0.7(0.4-0.9) G,/	24 h	LC50	457,000	-	-	ug/L	A	36 % AE	Static	Not Acutely Toxic		1987	Bull.Environ.Con 39(4):721-728 (O File)
Rainbow trout,donaldson trout Oncorhynchus mykiss	Mortality	Mortality	4.1(3.7-4.5) CM, 0.7(0.4-0.9) G,/	48 h	LC50	435,000	-	-	ug/L	A	36 % AE	Static	Not Acutely Toxic		1987	Bull.Environ.Con 39(4):721-728 (O File)

Rainbow trout,donaldson trout Oncorhynchus mykiss	Mortality	Mortality	4.1(3.7-4.5) CM, 0.7(0.4-0.9) G,/	72 h	LC50	420,000	-	-	ug/L	A	36 % AE	Static	Not Acutely Toxic		1987	Bull.Environ.Con 39(4):721-728 (O File)
Rainbow trout,donaldson trout Oncorhynchus mykiss	Mortality	Mortality	4.1(3.7-4.5) CM, 0.7(0.4-0.9) G,/	96 h	LC50	420,000	-	-	ug/L	A	36 % AE	Static	Not Acutely Toxic		1987	Bull.Environ.Con 39(4):721-728 (O File)
Rainbow trout,donaldson trout Oncorhynchus mykiss	Mortality	Mortality	FRY, 4.0 CM	96 h	LC50	400,000	-	-	ug/L	F	GARLON 3A	Static	Not Acutely Toxic		1991	Environ.Toxi 10(1):73-79
Rainbow trout,donaldson trout Oncorhynchus mykiss	Mortality	Mortality	0.24 g	96 h	LC50	552,000	469,000	695,000	ug/L	F	NR	Static	Not Acutely Toxic		2000	Environment Effects Division, Washington, D.C
Rainbow trout,donaldson trout Oncorhynchus mykiss	Mortality	Mortality	NR	96 h	LC50	240,000	-	-	ug/L	F	NR	Flow through	Not Acutely Toxic	Outlier	2000	Environment Effects Division, Washington, D.C
Sockeye salmon Oncorhynchus nerka	Mortality	Mortality	3.9(3.5-4.3) CM, 0.5(0.3-0.6) G,/	24 h	LC50	353,000	-	-	ug/L	A	36 % AE	Static	Not Acutely Toxic		1987	Bull.Environ.Con 39(4):721-728 (O File)
Sockeye salmon Oncorhynchus nerka	Mortality	Mortality	3.9(3.5-4.3) CM, 0.5(0.3-0.6) G,/	48 h	LC50	311,000	-	-	ug/L	A	36 % AE	Static	Not Acutely Toxic		1987	Bull.Environ.Con 39(4):721-728 (O File)
Sockeye salmon Oncorhynchus nerka	Mortality	Mortality	3.9(3.5-4.3) CM, 0.5(0.3-0.6) G,/	72 h	LC50	311,000	-	-	ug/L	A	36 % AE	Static	Not Acutely Toxic		1987	Bull.Environ.Con 39(4):721-728 (O File)
Sockeye salmon Oncorhynchus nerka	Mortality	Mortality	3.9(3.5-4.3) CM, 0.5(0.3-0.6) G,/	96 h	LC50	311,000	-	-	ug/L	A	36 % AE	Static	Not Acutely Toxic		1987	Bull.Environ.Con 39(4):721-728 (O File)
Chinook salmon Oncorhynchus tshawytscha	Mortality	Mortality	6.8(5.8-7.5) CM, 2.7(1.4-3.8) G,/	24 h	LC50	472,000	-	-	ug/L	A	36 % AE	Static	Not Acutely Toxic		1987	Bull.Environ.Con 39(4):721-728 (O File)
Chinook salmon Oncorhynchus tshawytscha	Mortality	Mortality	6.8(5.8-7.5) CM, 2.7(1.4-3.8) G,/	48 h	LC50	312,000	-	-	ug/L	A	36 % AE	Static	Not Acutely Toxic		1987	Bull.Environ.Con 39(4):721-728 (O File)
Chinook salmon Oncorhynchus tshawytscha	Mortality	Mortality	6.8(5.8-7.5) CM, 2.7(1.4-3.8) G,/	72 h	LC50	283,000	-	-	ug/L	A	36 % AE	Static	Not Acutely Toxic		1987	Bull.Environ.Con 39(4):721-728 (O File)
Chinook salmon Oncorhynchus tshawytscha	Mortality	Mortality	6.8(5.8-7.5) CM, 2.7(1.4-3.8) G,/	96 h	LC50	275,000	-	-	ug/L	A	36 % AE	Static	Not Acutely Toxic		1987	Bull.Environ.Con 39(4):721-728 (O File)
Fathead minnow Pimephales promelas	Mortality	Mortality	0.22 G, 1.6-3.1 CM	96 h	LC50	245,000	224,000	269,000	ug/L	A	44.9 % AI	Static	Not Acutely Toxic		1984	Bull.Environ.Con 33(3):339-347
Fathead minnow Pimephales promelas	Mortality	Mortality	0.22 G, 0.9-1.3 CM, 36 D	96 h	LC50	120,000	104,000	140,000	ug/L	A	44.9 % AI	Flow through	Not Acutely Toxic		1984	Bull.Environ.Con 33(3):339-347
Fathead minnow Pimephales promelas	Mortality	Mortality	0.22 G, 0.9-1.3 CM, 36 D	192 h	LC50	101,000	88,500	116,000	ug/L	A	44.9 % AI	Flow through	Not Acutely Toxic		1984	Bull.Environ.Con 33(3):339-347
Fathead minnow Pimephales promelas	Mortality	Mortality	0.21 g	96 h	LC50	546,000	499,000	600,000	ug/L	F	NR	Static	Not Acutely Toxic		2000	Environment Effects Division, Washington, D.C
Fathead minnow Pimephales promelas	Mortality	Mortality	0.54 g	96 h	LC50	947,000	838,000	1,071,000	ug/L	F	NR	Static	Not Acutely Toxic		2000	Environment Effects Division, Washington, D.C
Fathead minnow Pimephales promelas	Mortality	Mortality	NR	96 h	LC50	279,000	251,000	306,000	ug/L	F	NR	Flow through	Not Acutely Toxic		2000	Environment Effects Division, Washington, D.C
Fathead minnow Pimephales promelas	Mortality	Mortality	EMBRYO, < 24 H	31 d	MATC	91,000	72,700	114,000	ug/L	A	44.9 % AI	Flow through			1984	Bull.Environ.Con 33(3):339-347
Rainbow trout,donaldson trout Oncorhynchus mykiss	Mortality	Survival	2.8 G, 57.6 MM	NR d	NR	-	60.0	430.0	ug/L	A	6%, GARLON 3A	Lentic - static water system without			1996	Environ.Toxi 15(4):441-451

											measurable flow rate (e.g. lake)				
Rainbow trout,donaldson trout Oncorhynchus mykiss	Physiology	Physiology, general	JUVENILE, PRESMOLT, 11 G, 10 CM	4 h	NR	-	20,000	320,000	ug/L	A	GARLON 3A	Flow through			1991	Environ.Toxi 10(1):81-90

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