

Users are advised to consult the Canadian Environmental Quality Guidelines introductory text, factsheet, and/or protocols for specific information and implementation guidance pertaining to each environmental quality guideline.

Dichloro diphenyl trichloroethane; 2,2-Bis(p-chlorophenyl)-1,1,1-trichloroethane

Synonyms and/or acronyms: DDT (total)

Parameter 1: ORGANIC

Parameter 2: Pesticides

Parameter 3: Organochlorine compounds

Water Quality for the Protection of Aquatic Life

Freshwater

Concentration (µg/L)	0.004
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No fact sheet created. For more information on this guideline, please refer to Canadian Water Quality Guidelines (CCREM 1987).

This guideline (originally published in Canadian Water Quality Guidelines [CCREM 1987 + Appendixes] in 1987 or 1991 [PCBs in marine waters]) is no longer recommended and the value is withdrawn. A water quality guideline is not recommended. Environmental exposure is predominantly via sediment, soil, and/or tissue, therefore, the reader is referred to the respective guidelines for these media.

This substance meets the criteria for track 1 substances under the national CCME Policy for the Management of Toxic Substances (PMTS) (i.e., persistent, bioaccumulative, primarily the result of human activity, and CEPA-toxic or equivalent), and should be subject to virtual elimination strategies. Guidelines can serve as action levels or interim management objectives towards virtual elimination.

Date	1987
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Marine

Concentration (µg/L)	<i>No data</i>
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Date	<i>No data</i>
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Water Quality for the Protection of Agriculture

Irrigation

Concentration (µg/L)	<i>No data</i>
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Date	<i>No data</i>
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Livestock

Concentration (µg/L)

30

No fact sheet created. For more information on this guideline, please refer to Canadian Water Quality Guidelines (CCREM 1987).

This guideline (originally published in Canadian Water Quality Guidelines [CCREM 1987]) is no longer recommended and the value is withdrawn. A water quality guideline is not recommended. Environmental exposure is predominantly via sediment, soil, and/or tissue, therefore, the reader is referred to the respective guidelines for these media.

This substance meets the criteria for Track 1 substances under the national CCME Policy for the Management of Toxic Substances (PMTS) (i.e., persistent, bioaccumulative, primarily result of human activity, and CEPA-toxic or equivalent) and should be subject to virtual elimination strategies. Guidelines can serve as action levels or interim management objectives towards virtual elimination.

Date

1987

Sediment Quality for the Protection of Aquatic Life

Freshwater

Concentration (µg/kg dry weight) - ISQG

No data

Concentration (µg/kg dry weight) - PEL

No data

Date

No data

Marine

Concentration (µg/kg dry weight) - ISQG

No data

Concentration (µg/kg dry weight) - PEL

No data

Date

No data

Soil Quality for the Protection of Environmental and Human Health

Further documentation on these guidelines can be found in the Canadian Environment Quality Guidelines.

[Download Factsheet](#)

Concentration (mg/kg dry weight) - Agricultural

0.7

Data are sufficient and adequate to calculate only a Soil Quality Guideline for Environmental health (SQG_E). An interim soil quality criterion (CCME 1991) was not established for this land use, therefore the SQG_E becomes the soil quality guideline.

For guidelines derived prior to 2004, differentiation between soil texture (coarse/fine) is not applicable.

The term total DDT refers to the sum of the concentrations of p,p'-DDT, o,p'-DDT, p,p'-DDE, o,p'-DDE, p,p'-DDD, and o,p'-DDD.

Concentration (mg/kg dry weight) - Residential / parkland

0.7

Data are sufficient and adequate to calculate only a Soil Quality Guideline for Environmental health (SQG_E). An interim soil quality criterion (CCME 1991) was not established for this land use, therefore the SQG_E becomes the soil quality guideline.

For guidelines derived prior to 2004, differentiation between soil texture (coarse/fine) is not applicable.

applicable.

The term total DDT refers to the sum of the concentrations of p,p'-DDT, o,p'-DDT, p,p'-DDE, o,p'-DDE, p,p'-DDD, and o,p'-DDD.

Concentration (mg/kg dry weight) - Commercial 12

Data are sufficient and adequate to calculate only a Soil Quality Guideline for Environmental health (SQG_E). An interim soil quality criterion (CCME 1991) was not established for this land use, therefore the SQG_E becomes the soil quality guideline.

For guidelines derived prior to 2004, differentiation between soil texture (coarse/fine) is not applicable.

The term total DDT refers to the sum of the concentrations of p,p'-DDT, o,p'-DDT, p,p'-DDE, o,p'-DDE, p,p'-DDD, and o,p'-DDD.

Concentration (mg/kg dry weight) - Industrial 12

Data are sufficient and adequate to calculate only a Soil Quality Guideline for Environmental health (SQG_E). An interim soil quality criterion (CCME 1991) was not established for this land use, therefore the SQG_E becomes the soil quality guideline.

For guidelines derived prior to 2004, differentiation between soil texture (coarse/fine) is not applicable.

The term total DDT refers to the sum of the concentrations of p,p'-DDT, o,p'-DDT, p,p'-DDE, o,p'-DDE, p,p'-DDD, and o,p'-DDD.

Date 1999

Tissue Residue Quality for the Protection of Wildlife Consumer of Aquatic Biota

Further documentation on these guidelines can be found in the Canadian Environment Quality Guidelines.

[Download Factsheet](#)

Concentration (µg/kg diet wet weight) 14

The tissue residue guideline is for total DDT, which is equal to DDD + DDE + DDT.

Supporting documents are available from the Guidelines and Standards Division, Environment Canada

Date 1997