

## Toxicity Values for the TEACH Chemical Summary

### Chemical Name: 2,4-Dichlorophenoxyacetic acid (2,4-D)

Tox Value	Link	Date Last Revised	Value	Critical Effect(s)	Children's Studies?	Uncertainty Factors and Other Info
RfD	<a href="http://www.epa.gov/iris/su bst/0150.htm">www.epa.gov/iris/su bst/0150.htm</a>	05/05/1988	1E-2 kg/mg/day	Hematologic, hepatic and renal toxicity	None	UF=100 for inter- and intraspecies variability; MF=1
RfC	<a href="http://www.epa.gov/iris/su bst/0150.htm">www.epa.gov/iris/su bst/0150.htm</a>	N/A				
Cancer Oral Slope Factor	<a href="http://www.epa.gov/iris/su bst/0150.htm">www.epa.gov/iris/su bst/0150.htm</a>	N/A				
Cancer Inhalation Unit Risk	<a href="http://www.epa.gov/iris/su bst/0150.htm">www.epa.gov/iris/su bst/0150.htm</a>	N/A				
Drinking Water Concentrations at Specified Risk Levels	<a href="http://www.epa.gov/iris/su bst/0150.htm">www.epa.gov/iris/su bst/0150.htm</a>	N/A				
MRL	<a href="http://www.atsdr.cdc.gov/mrls.html">www.atsdr.cdc.gov/mrls.html</a>	N/A				
MCL (drinking water)	<a href="http://www.epa.gov/safewater/mcl.html#mcls">www.epa.gov/safewater/mcl.html#mcls</a>	July 2002	0.07 mg/L	Kidney, liver, or adrenal gland problems		Sources: runoff from herbicides used on row crops
MCLG (drinking water)	same as MCL	July 2002	0.07 mg/L	Kidney, liver, or adrenal gland problems		Sources: runoff from herbicides used on row crops
Drinking Water Advisories (10-kg child)	<a href="http://www.epa.gov/ost/drinking/standards/dwstandards.pdf">www.epa.gov/ost/drinking/standards/dwstandards.pdf</a>	Winter 2004	1 day - 1 mg/L 10 day - 0.3 mg/L			
Other						