



**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER RESOURCES DIVISION**

This table contains information concerning the herbicides permitted for aquatic plant and algae control in Michigan and the plant species for which they may serve as potential control agents. Refer to product labels for additional details.

Permits may be required prior to use of any pesticide, including “unclassified” pesticides. Contact the Aquatic Nuisance staff at 517-284-5531, by e-mail at DEQ-WRD-ANC@michigan.gov, or visit our website at www.michigan.gov/anc.

Common Plant Species	Copper Sulfate	Copper – EDA	Chelated Copper	Amine Salts of Endothall* (Hydrothol 191)	Dipotassium Salts of Endothall* (Aquathol K)	Diquat dibromide** (Reward, Weedtrine-D)	2,4-D* (Navigate, Aquakleen, Aquacide)
Algae							
Filamentous	X		X	X		X	
Macroalgae (e.g., Chara)	X		X	X			
Planktonic	X		X	X			
Macrophytes							
Submergents							
Coontail		X		X	X	X	X
Curly leaf pondweed				X	X	X	
Elodea		X		X		X	
Large leaf pondweed				X	X	X	
Milfoil		X		X	X	X	X
Naiad		X		X	X	X	
Sago pondweed		X		X	X	X	
Wild Celery				X		X	
Emergents							
Arrowhead							X
Bulrush							X
Cattails							X
Phragmites							
Purple Loosestrife							
Water lily							X
Free Floating							
Duckweed						X	

* Granular endothall and/or granular 2,4-D products may not be applied within 75 feet of ANY drinking water well or within 250 feet of drinking water wells that are less than 30 feet deep. Isolation distances are measured from the well location, not the shoreline.

** Reward products are on the Michigan Department of Agriculture’s restricted use pesticide list. You must be a certified applicator to use these products in waters of the state, except for small ponds, such as farm ponds that have no outflow and are under the control of the user. Weedtrine-D is not a restricted use pesticide. However, it can only be used in ponds, lakes and drainage ditches where there is little or no outflow of water and which are totally under the control of the product’s user.



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Common Plant Species	Fluridone (Sonar, AVAST!)	Glyphosate (Rodeo, Eagre, AquaNeat)	Imazapyr**** (Habitat)	Komeen	Nautique	Sodium Carbonate Peroxyhydrate (GreenClean Pro, Pak 27*****, Phycomycin SCP*****)	Triclopyr (Renovate 3)
Algae							
Filamentous						X	
Macroalgae (e.g., Chara)							
Planktonic						X	
Macrophytes							
Submergents							
Coontail				X			
Curly leaf pondweed							
Elodea				X			
Large leaf pondweed							
Milfoil	X**			X			X
Naiad				X	X		
Sago pondweed				X			
Wild Celery					X		
Emergents							
Arrowhead							
Bulrush			X				
Cattails		X	X				
Phragmites		X	X				
Purple Loosestrife		X	X				X
Water lily	X	X					X
Free Floating							
Duckweed			X				

*** Fluridone use may require a Lake Management Plan. Rates requested above 6 ppb must follow evaluation protocol.

**** As indicated on the label, application of Habitat can only be made by applicators who are licensed or certified as aquatic pest control applicators and are authorized by the state or local government.

***** The label indicates use for treatment of blue-green algae.