



Water Resources Division
Aquatic Nuisance Control Program

**Chemicals Approved for the Treatment of Non-native Species
Under the Aquatic Nuisance Control Standard and Individual Permits**

The following chemicals are approved for treatment of non-native species under the Aquatic Nuisance Control (ANC) Standard and Individual Permits. Each permit and approved treatment map(s) specify the conditions of the chemical treatment of non-native species for a given waterbody. To be eligible for a Standard Permit, the waterbody and permit application must meet the criteria specified by the Michigan Department of Environment, Great Lakes, and Energy (EGLE). Additional products may be approved in the future, pending registration with the U.S. Environmental Protection Agency and the Michigan Department of Agriculture and Rural Development and satisfactory review by EGLE. Products may also be removed from these tables.

The following tables supersede the non-native species treatment table in multi-year standard permits that were issued prior to 2024 and are currently in effect.

Target Species: Eurasian watermilfoil (*Myriophyllum spicatum* or hybrid watermilfoil)

CHEMICAL	MAXIMUM APPLICATION RATE	RESTRICTIONS
Aquathol K	1 gal/ac	One time per calendar year, prior to June 15
Aquastrike	1.625 gal/ac ft	One time per calendar year, prior to June 15
Diquat dibromide	1 gal/ac	One time per calendar year, prior to June 15
Carfentrazone	0.143 gal/ac ft, 100 ppb	One time per calendar year, prior to June 15
Flumioxazin	1.05 lb/ac ft or 1.1 pt/ac ft, 200 ppb	One time per calendar year, prior to June 15
2,4–D	label maximum	None
Triclopyr	label maximum	None
2,4–D - triclopyr combination	label maximum	None
ProcellaCOR	15.85 oz/ac ft	None

Chemicals Approved for Treatment of Non-native Aquatic Species Under ANC Standard and Individual Permits

Target Species: Curly leaf pondweed (*Potamogeton crispus*)

CHEMICAL	MAXIMUM APPLICATION RATE	RESTRICTIONS
Aquathol K	1 gal/ac	One time per calendar year, prior to June 15
Aquastrike	(1.625 gal/ac ft)	One time per calendar year, prior to June 15
Diquat dibromide	(1 gal/ac)	One time per calendar year, prior to June 15
Flumioxazin	(1.05 lb/ac ft or 1.1 pt/ac ft, 200 ppb)	One time per calendar year, prior to June 15

Target Species: Starry stonewort (*Nitellopsis obtusa*)

CHEMICAL	MAXIMUM APPLICATION RATE	RESTRICTIONS
Chelated copper algaecides	1.2 gal/ac ft	Please refer to permit conditions restricting copper usage
Copper sulfate	4.4 lb/ac ft	Please refer to permit conditions restricting copper usage
Cutrine Plus granular	60 lb/ac	Please refer to permit conditions restricting copper usage
Flumioxazin	1.05 lb/ac ft, or 1.1 pt/ac ft, 200 ppb	None
Harpoon Granular	80 lb/ac ft of plant height	Please refer to permit conditions restricting copper usage
Hydrothol 191 liquid	2.2 pt/ac ft	None
Hydrothol Granular	9.72 lb/ac ft	None
Komeen Crystal	15.5 lb/ac ft, 1 ppm	Please refer to permit conditions restricting copper usage
Komeen Descend	3.3 gal/ac ft	Please refer to permit conditions restricting copper usage
SeClear	6.4 gal/ac ft	Please refer to permit conditions restricting copper usage
SeClear G	18 lb/ac ft	Please refer to permit conditions restricting copper usage

Chemicals Approved for Treatment of Non-native Aquatic Species Under ANC Standard and Individual Permits

Target Species: Fanwort (*Cabomba caroliniana*)

CHEMICAL	MAXIMUM APPLICATION RATE	RESTRICTIONS
Flumioxazin	1.05 lb/ac ft or 1.1 pt/ac ft, 200 ppb	None

Target Species: All other non-native species not identified above

CHEMICAL	RESTRICTIONS
Chemicals approved include those listed on the table titled “Chemicals Approved for use Under the Aquatic Nuisance Control Standard Permits.”	None

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