

4581 -172

01/25/1962

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With letter &

application DEC 11 1961

net lbs.

PENCO®

HERBICIDE 191 GRANULAR

ACTIVE INGREDIENTS

Mono(N,N dimethyl^{alkyl}amine) salt of
3,6-endoxo-hexahydrophthalic acid.....11.2% **

INERT INGREDIENTS.....88.8%

TOTAL

100.0%

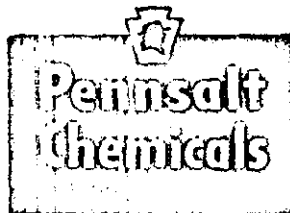
* alkyl groups as derived from coconut oil
** ~~equivalent~~ 5% ~~acid~~ acid equivalent

U.S. patent 2,900,411

ACCEPTED

JAN 25 1962

UNDER THE FEDERAL INSECTICIDE
FUNGICIDE AND RODENTICIDE ACT
FOR ECONOMIC POISON REGISTERED
UNDER NO. 4581-172



PENCO Agricultural Chemicals

SOLD BY

AGRICULTURAL CHEMICALS DIVISION

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GENERAL INFORMATION

PENCO® Herbicide 191 Granular is a highly effective ^{al}algicide and aquatic weed killer for use in irrigation and drainage canals, lakes, ^{and}ponds ~~and other problem areas~~ to control the following weeds and algae: Najas, Elodea, Coontail, Potamogeton, Milfoil, sp., Zanichella, Vallisneria, Cladophora, Spirogyra, Pithophora and Chara *when weeds are actively growing.*

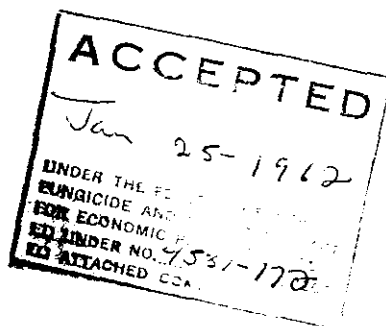
IRRIGATION AND DRAINAGE CANALS

Heavy infestations - Evenly spread 160 to 270 lbs. PENCO® Herbicide 191 Granular per acre foot of water (3 to 5 ppm) either with suitable aerial or ground equipment.

Moderate or light infestations - Use 55 to 110 lbs. per acre foot PENCO® Herbicide 191 Granular (1 to 2 ppm) applied evenly.

POUNDS OF PENCO® 191 GRANULAR REQUIRED PER MILE OF CANAL OR SWATH, 1 FT. DEEP

ppm	Width of Canal, Ditch or Swath				
	10	15	20	30	40
0.5	33	49	65	95	130
1.0	65	98	130	190	260
2.0	130	195	260	380	520
3.0	195	294	390	570	780
4.0	260	392	520	760	1040
5.0	325	490	650	950	1300



Note: 5.5 lbs. per acre foot equals 0.1 ppm of 3,6-endoxo-hexahydrophthalic acid.

LAKES AND PONDS

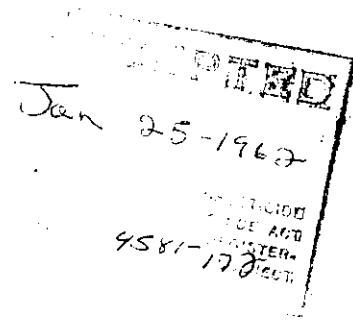
Algae control - Cladophora, Pithophora, Spirogyra, and ~~possibly other algae as well~~ ^{as} Chara can be controlled by even applications of 2-3/4 to 13 1/2 lbs. PENCO® Herbicide 191 Granular per acre foot (0.05 to 0.2 ppm) applied by suitable air or ^{water}ground equipment. PENCO® Herbicide 191 Granular is especially effective on bottom growth control. Pithophora may require 0.2 ppm or higher. Dosages may be increased to 33-88 lbs. of PENCO® Herbicide 191 Granular (0.6 to 1.6 ppm) where greater longevity of control is desired and for marginal treatments. For floating mats PENCO® Herbicide 191 Granular should be scattered as evenly as possible over the mat. Repeat treatments ~~may be necessary to control algae regrowth.~~ *when algal growth reappears*

Submerged aquatics - Due to the toxicity to fish, the use of PENCO® Herbicide 191 Granular for submerged aquatics is suggested only by commercial applicators on a marginal or sectional treatment basis. Use 27 to 137 lbs. PENCO® Herbicide 191 Granular per acre foot (0.5 to 2 1/2 ppm) scattered evenly as possible. Use dosages over 1 ppm on narrow margins or in areas where some fish kill is not objectionable.

Do not treat more than 1/10 of the lake or pond at one time with doses in excess of 1 ppm.

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CAUTION

Fish may be killed by dosages in excess of 0.3 ppm.

Avoid contact with or drift to desirable plants or crops as injury may occur.

Do not store this material where it may contaminate seeds, feeds or foodstuffs.

Clean out applicator after each operation.

Do not use treated water for irrigation or agricultural sprays on food crops or domestic purposes within the following periods:

Up to 0.3 ppm	7 days after application
Up to 3.0 ppm	14 days after application
Up to 5.0 5.0 ppm	25 days after application

Necessary approval and/or permits should be obtained in States where required.

WARNING

MAY BE FATAL IF SWALLOWED.

IRRITATING TO SKIN, NOSE, EYES, AND THROAT.

MAY BE ABSORBED THROUGH SKIN.

Do not get in eyes, on skin, or on clothing. In case of contact, immediately flush skin or eyes with plenty of water for at least 15 minutes; for eyes get medical attention. If swallowed, give cold milk or cold water. Call a doctor immediately. Bathe and change clothing at least daily while using.

NOTICE

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(Non-Warranty)