

DIRECTIONS FOR USE

Use Aqua-Vex to control or effectively reduce many undesirable aquatic weeds such as:

Water Milfoil, Parrot's Feather (Myriophyllum spp.)	Bladderwort (Utricularia spp.)
Elodea, Arctostaphylos	Water Hyacinth (Eichornia crassipes)
Croutail, Watercress, etc.	Yellow Water Lily (Najas spp.)
Water Nymph, etc.	White Water Lily (Najas spp.)
Fanwort (Najas spp.)	Some Pond Weeds Controlled (Potamogeton spp.)

WHEN TO APPLY: Apply Aqua-Vex early in the growing season when weeds are actively growing, but have not yet grown to the point of forming propagating mats. Application of Aqua-Vex to dormant weeds is not as effective because of their slow growth.

A second application of Aqua-Vex is generally not needed in any given growing season if proper application is made early in the growing season. However, a second application may be required if excessive regrowth occurs or if weeds grow in farm-protected areas. If a second application is made, it should be applied no later than six weeks before harvest when the weeds grow.

AMOUNT TO APPLY: Use Aqua-Vex at the rate of one gallon per acre of water. An acre foot of water is one surface acre of water one foot deep. If the volume of the water is more than one acre foot, then the lake would require 5 gallons of Aqua-Vex.

HOW TO APPLY: Aqua-Vex can be applied directly to the surface of the water area where the aquatic weeds are growing. Do not dilute Aqua-Vex. Apply directly to the lake surface by hand, or by a hand-pumped sprayer directly from the motor compartment of the boat's motor. (2) by spraying the water directly from a backpack sprayer or a pump sprayer, or (3) by means of a spray nozzle mounted on the side of the boat. Apply Aqua-Vex evenly to the surface of the water area to be treated.

PARTIAL APPLICATION: Aqua-Vex can be applied to a portion of the water area to be treated. This is done by spraying the water area directly from the motor compartment of the boat's motor, or by spraying the water area directly from a backpack sprayer or a pump sprayer, or by means of a spray nozzle mounted on the side of the boat. Apply Aqua-Vex evenly to the surface of the water area to be treated.

NOTE: Aqua-Vex is a systemic herbicide. It is absorbed by the leaves and roots of the weeds and moves to the growing points. It kills the weeds by interfering with their ability to produce new growth. Aqua-Vex does not kill the weeds immediately. It takes about 7 to 10 days for the weeds to die. The dead weeds will float to the surface and can be removed by hand or by a pump.

PENNWALT

AQUA-VEX

For Weed Control in Lakes and Ponds

Contains 6 pounds Silvex Acid equivalent per gallon

ACTIVE INGREDIENT:

Silvex [2-(2,4,5-trichlorophenoxy) propionic acid] potassium salt 60%

INERT INGREDIENTS 40%

TOTAL 100%

Under the Federal Insecticide, Fungicide, and Plant Disease Act, as amended for the pesticide registered under EPA Reg. No. 70011-021

WARNING

KEEP OUT OF REACH OF CHILDREN

See specific warning and caution statements on side panel

EPA REGISTRATION NO. 4581-251

EPA ESTABLISHMENT NO. 228-IL-1

Net Contents

U. S. Gallons

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AGCHEM DIVISION - PENN WALT CORPORATION

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ADDITIONAL INFORMATION

Flowing water should be treated with Aqua-Vex. If the water level can be lowered, the weeds should be treated 5 days after the water level has been lowered. Aqua-Vex will kill the roots where a water level has been lowered. Aqua-Vex will not kill the roots of weeds that are not in contact with the water. Aqua-Vex will not kill the roots of weeds that are not in contact with the water.

NOTE: Destroying weeds with Aqua-Vex will reduce the amount of water and will reduce the amount of water that is treated at one time. Aqua-Vex will not kill the roots of weeds that are not in contact with the water. Aqua-Vex will not kill the roots of weeds that are not in contact with the water.

Keep Aqua-Vex away from children and pets. Aqua-Vex treated with Aqua-Vex should not be used for swimming. Aqua-Vex should not be used for swimming.

CAUTION

Apply Aqua-Vex to the water area where the weeds are growing. Aqua-Vex will kill the roots of weeds that are not in contact with the water. Aqua-Vex will not kill the roots of weeds that are not in contact with the water.

To avoid the possibility of injury to the eyes, wear eye protection when applying Aqua-Vex. Aqua-Vex will kill the roots of weeds that are not in contact with the water. Aqua-Vex will not kill the roots of weeds that are not in contact with the water.

WARNING

**BURNS THE EYES
MAY BE ABSORBED THROUGH SKIN
HARMFUL IF SWALLOWED**

DO NOT GET IN EYES • AVOID CONTACT WITH SKIN AND CLOTHING

In case of contact, flush eyes with water for at least 15 minutes. Seek medical attention; for skin, flush with water and remove clothing before re-entire.

Do not re-use empty containers. Keep away from water.

NOTICE

Pennwalt Corporation is not responsible for the damage to the crops, animals, or other property caused by the use of Aqua-Vex. Aqua-Vex is a systemic herbicide. It is absorbed by the leaves and roots of the weeds and moves to the growing points. It kills the weeds by interfering with their ability to produce new growth. Aqua-Vex does not kill the weeds immediately. It takes about 7 to 10 days for the weeds to die. The dead weeds will float to the surface and can be removed by hand or by a pump.

PRINTED IN U.S.A.

Pennamine D7 is a low volatility 2,4-D amine formulation which controls most broadleaf weeds and some woody plant species. Use Pennamine D7 for controlling:

thistles	marshelder	wild radish
wild morning glory	mustards	alder
bitterweed	peppergrass	buckbrush
broomweed	pigweed	elderberry
croton weed	plantains	hazel
dandelion	ragweed	coastal sage
docks	shepherd's purse	suniac
dogfennel	tarweed	willow
fanweed	vetch	sand shinnery oak
kochia	wild carrot	certain other woody
lambaquarters	wild garlic	perennials and
mallow	wild onion	broadleaved weeds

MIXING DIRECTIONS: Add half the required amount of water to the spray tank, then the Pennamine D7, with agitation, and finally the balance of the water with continued agitation. Provide agitation to ensure uniform spray mixture.

ROADSIDE AND GENERAL WEED CONTROL: For all non-crop areas such as drainage ditch banks, farmyards, rights-of-way and fence rows, use 1 to 1-1/2 quarts of Pennamine D7 in 100 gallons of water per acre. Apply when the weeds are growing actively and the foliage is fully expanded. Wet all foliage thoroughly.

TURF AND PASTURE WEED CONTROL: Apply when the weeds are growing actively. Use 2 to 4 quarts of Pennamine D7 per acre for wild garlic and wild onion in pastures making three applications (fall - spring - fall or spring - fall - spring in very late fall and very early spring). For more sensitive broadleaved weeds, use 3/4 to 1 quart Pennamine D7 per acre in 10 to 20 gallons of water. For Turf, apply one quart of Pennamine D7 per acre in sufficient water to provide uniform coverage. For treating small areas, use 1-1/2 - 2 tablespoons of Pennamine D7 in 2 gallons of water per 1,000 square feet. NOTE: Do not use on bent or other creeping grasses, except for spot spraying. Do not use on freshly seeded lawns of pasture lands until grass is well started. Clover and other legumes are normally damaged or killed by Pennamine D7.

WOODY PLANTS: Brush up to 6 to 8 feet tall susceptible to 2,4-D may be sprayed after the foliage is well developed. Use a drenching spray of 1-1/2 quarts of Pennamine D7 in 100 gallons of water per acre. Wet the foliage, shoots, stems and bark thoroughly.

Spraying soon after the leaves are fully open in the spring usually gives best results. Do not spray within 2 to 3 weeks before the normal frost time. During hot, dry weather when deep soil moisture is deficient, control may be less effective. For sand shinnery oak, use 1 quart of Pennamine D7 either in 5 gallons of diesel or fuel oil or in 4 gallons of water plus 1 gallon of oil. Apply by airplane between May 15 and June 15. For sand sagebrush, use 1 quart of Pennamine D7 in 3 gallons of diesel or fuel oil. Apply by airplane when plants are growing actively and foliage is fully developed.

ORCHARD WEED CONTROL: Apples and Pears - For control of the following broadleaved annual and perennial weeds, apply two quarts of Pennamine D7 in 100 gallons of water per acre:

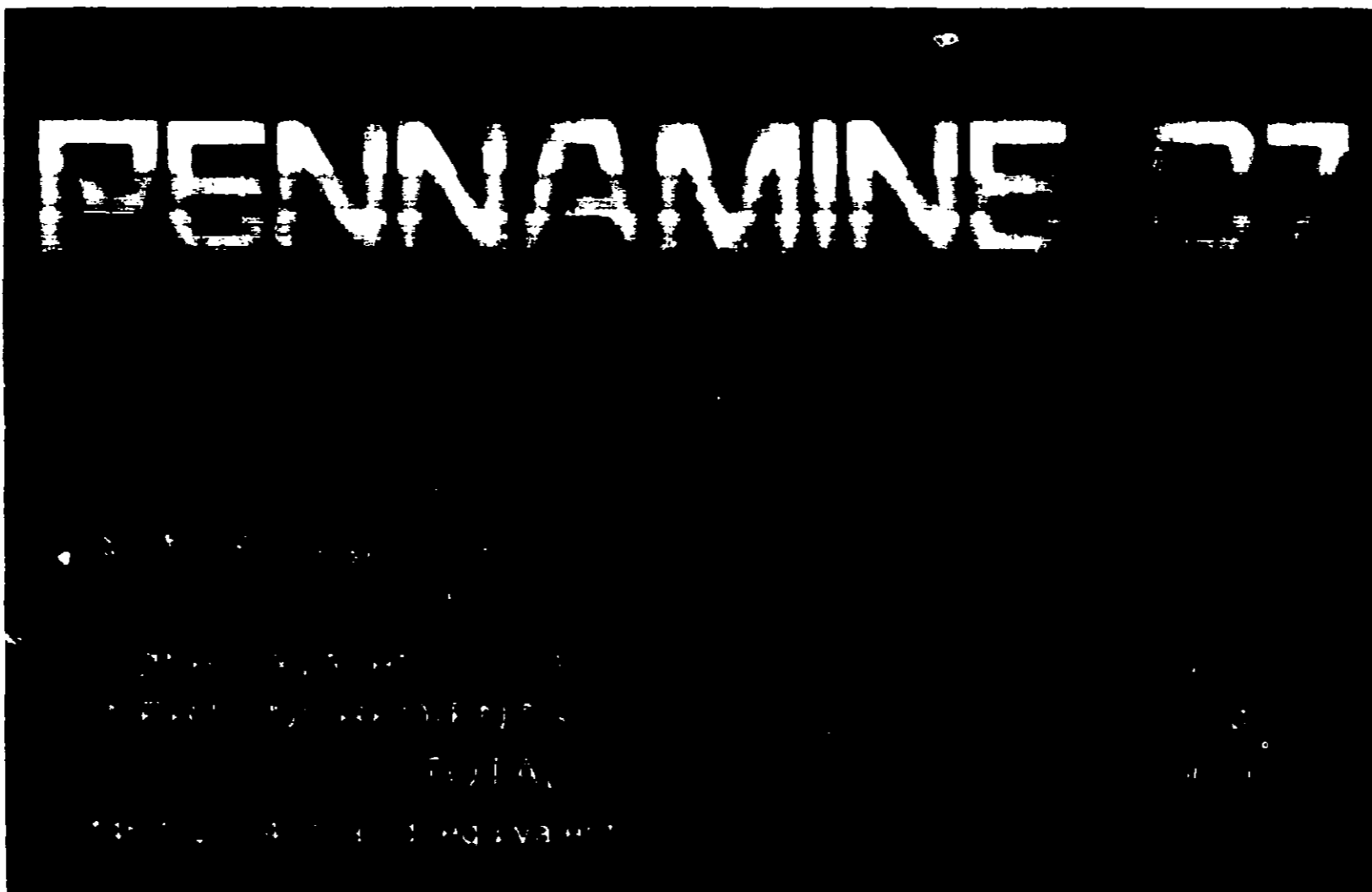
Canada Thistle	Poison Ivy	Milkweed
Field Bindweed	Curled Dock	Stinging Nettle
Leafy Spurge	Horse Nettle	Black-eyed Susan
Ragweed	Ironweed	Snow-on-the-Mountain
Bull Thistle	Cocklebur	Bitterweed

Use a calibrated boom-type sprayer with pressure adjusted to less than 20 psi. Treat when the weeds are in the pre-bud or early bud stage and actively growing. Do not permit weeds to flower. Repeated applications may be necessary to control Canada Thistle, Bindweed, Poison Ivy and other deep-rooted, woody perennials. DO NOT allow spray to contact trunks, leaves, fruit, or stems of the fruit trees.

DO NOT apply to bare soil or when soil is cold
DO NOT apply when winds are blowing in excess of 7 miles per hour or when apple and pear trees are in blossom.

WEEDS IN SORGHUM: Apply 1/2 to 1 pint of Pennamine D7 per acre in 10 to 20 gallons of water by ground. Use the low rate for annual broadleaf weeds and the high rate for perennial broadleaf weeds. Crop is most tolerant to 2,4-D when 3 to 12 inches tall. Use drop nozzles when crop is over 10 inches high. Do not use when plants are less than 3 inches tall or after they are 12 inches tall. Do not apply during flowering or early dough stage.

PENWALT



CAUTION

KEEP OUT OF REACH OF CHILDREN

AVOID CONTACT WITH SKIN, EYES OR CLOTHING
HARMFUL IF SWALLOWED

FIRST AID: In case of contact immediately flush eyes with plenty of water for at least 15 minutes

EPA REGISTRATION NO. 4581-252

EPA EST. 228-IL-1

U.S. Patent No. 2,900,411

Net Contents _ _ _ _ _ Gallons

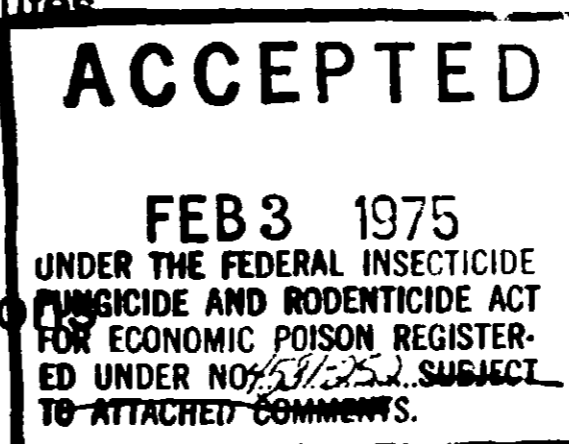
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4 and 9 weeks after seeding, when rice plants have emerged above water and leaves are standing erect. Do not apply after seed stalks have emerged. Dosage should be 1-1/2 to 2-1/2 pints per acre in 5 to 10 gallons of water depending upon weeds present and method of application.

WEEDS IN SPRING WHEAT AND BARLEY: Spray when grain is in full tiller stage, 6 to 8 inches tall, until the early boot stage. Apply 1/2 pint Pennamine D7 per acre in 10 to 20 gallons of water by ground. Depending on the resistance of the weeds to be treated the dosage may be reduced to 1/4 pint or increased to 3/4 pint.

WEEDS IN WINTER WHEAT AND RYE: Apply 1/2 to 3/4 pint Pennamine D7 per acre in 10 to 20 gallons of water. Application should be made when fully tillered, 6 to 8 inches tall, until the early boot stage.

WEED CONTROL IN OATS NOT UNDERSEEDDED WITH A LEGUME: Apply not more than 1/2 pint Pennamine D7 per acre in 10 to 20 gallons of water by ground when grain is in full tiller stage, 6 to 8 inches tall, until the early boot stage. NOTE: On wheat, barley, rye and oats, do not apply from boot to milk stage or in seedling stage.

NOTE: When used on barley, oats, rye or wheat - Do not forage or graze treated grain fields within 14 days after treatment with Pennamine D7. Do not feed treated straw to livestock.

PRE-EMERGENCE IN CORN: Use 1 to 2 quarts of Pennamine D7 in 10 to 20 gallons of water per acre. Apply to soil 3 to 5 days after planting but before corn emerges. Do not treat very light, sandy soil.

POST-EMERGENCE WEED CONTROL IN CORN: Apply 1/4 to 1/2 pint Pennamine D7 in 10 to 20 gallons of water to give good coverage. Use the low rate for sensitive weeds and the high rate for resistant weeds. Apply as soon as possible after most of the weeds have emerged. After the corn is 6 to 8 inches tall, use drop nozzles to keep spray off corn foliage. Do not apply from tasseling to dough stage.

WARNING

Extreme care must be used when applying Pennamine D7 to prevent injuring desirable plants and crops. Pennamine D7 should not be used in susceptible crops such as cotton, vegetables, grapes, soy beans, tobacco or beans. Do not allow spray mist to drift onto such plants since even minute quantities of spray may cause severe injury. Use low pressure when spraying to produce coarse sprays which are less likely to drift. Do not graze treated areas by dairy animals within seven days after treatment. Do not use in greenhouses. Large amounts of Pennamine D7 in the soil may temporarily inhibit seed germination. Never use more Pennamine D7 than recommended.

This product is toxic to fish. Keep out of lakes, streams or ponds. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment, or disposal of wastes. Apply this product only as specified on this label.

Avoid contamination of irrigation or domestic water with this material.

Do not store near fertilizers, seeds, insecticides or fungicides.

Keep container closed when not in use, and do not re-use for other purposes. Wash thoroughly with water and detergent. Discard in a safe place.

Use a separate sprayer for application of Pennamine D7. If the same sprayer must be used for other crop spraying, it should be flushed thoroughly with water immediately after use. Next, fill sprayer with water containing one volume of household ammonia to 100 volumes of water, and allow to stand for one day. Then flush equipment thoroughly, including hoses and nozzles, several times with water.

NOTICE

Pennwalt Corporation warrants that this material conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the Directions for Use, subject to the risks referred to therein. Pennwalt Corporation makes no other express or implied warranty, including any other express or implied warranty of FITNESS or of MERCHANTABILITY, and no agent of Pennwalt Corporation is authorized to do so except in writing with a specific reference to this warranty. Any damages arising from a breach of this warranty shall be limited to direct damages, and shall not include consequential damages such as loss of profits or values.

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5-9164-01M44.65M

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PENNAMINE D7

Weed Killer for Pre- and Post-emergence Applications

Contains 4 pounds 2,4-D acid equivalent per gallon

ACTIVE INGREDIENT:

• Heptylamine salt of 2,4-dichloro-phenoxyacetic acid ----- 68.6%

INERT INGREDIENTS ----- 31.4%

TOTAL ----- 100.0%

*45.1% 2,4-D acid equivalent

CAUTION

KEEP OUT OF REACH OF CHILDREN

AVOID CONTACT WITH SKIN, EYES OR CLOTHING
HARMFUL IF SWALLOWED

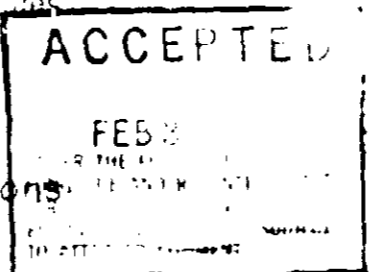
FIRST AID: In case of contact immediately flush eyes with plenty of water for at least 15 minutes.

U.S. Patent No. 2,903,411

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NOT



PENNAMINE® D7

Weed Killer for Pre- and Post-emergence Applications

*Contains 4 pounds 2,4-D acid equivalent per gallon

ACTIVE INGREDIENT:

Heptylamine salt of 2,4-dichloro-phenoxyacetic acid* ----- 68.6%

INERT INGREDIENTS ----- 31.4%

TOTAL ----- 100.0%

*45.1% 2,4-D acid equivalent

CAUTION

KEEP OUT OF REACH OF CHILDREN

AVOID CONTACT WITH SKIN, EYES OR CLOTHING
HARMFUL IF SWALLOWED

FIRST AID: If inhaled, remove to fresh air. If in eyes, flush with plenty of water for at least 15 minutes.

For more information, contact your local health department or the U.S. Department of Health, Education and Welfare, Washington, D.C.

U.S. Patent No. 2,900,411

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