

CAUTION

Avoid contact with eyes, skin and clothing in case of contact with weeds or plants sprayed with water. Avoid inhaling spray mist. May cause skin irritation. Avoid contact with food or drink. Harmful if swallowed. If swallowed, call a physician immediately. Contains petroleum solvent.

A selective, emulsified or oil-miscible herbicide

OBSERVE THESE PRECAUTIONS

Avoid application of spray or drift of spray to desirable plants, as this product may injure such plants, tomatoes, beans, peas, most vegetables, ornamentals, grapes, or others. Even minor quantities of the spray may cause severe injury. Accordingly, application by airplane should be avoided when there is no hazard from drift. All sprays are likely to drift under certain conditions. The finer the spray, the greater the likelihood of drift effect. Coarse sprays are less likely to drift.

Use only amount needed. **DO NOT OVERDOSE.**

Since vapors of the ester in this product may injure susceptible plants in the vicinity, use only where there is no danger from such vaporization.

Be sure that airplane spraying equipment has a quick acting effective stop valve and is used from the lowest possible altitude by an aircraft operator experienced in the application of herbicides.

Do not use same equipment for other purposes. If necessary to use sprayer for any other spraying, be sure to thoroughly clean all equipment with a suitable chemical cleaner. To clean, use 1% ammonia in 20 to 25 gals. water. Let stand overnight, then rinse thoroughly with water.

Do not store or place near fertilizers, seeds, plants, insecticides, or fungicides. Do not store in empty container. Destroy by burying in a safe place. Do not burn. Do not contaminate irrigation ditches or water used for domestic purposes. Excessive amounts of Helena 2,4-D Ester in the soil may temporarily inhibit seed germination or plant growth.

Obtain necessary approval and/or permits for use in States or areas where required. Extreme 2,4-D Ester 6 exposed to sub-freezing temperatures should be warmed to at least 40°F and mixed thoroughly before using.

This product is toxic to fish. Keep out of rivers, streams and ponds. Do not apply when weather conditions favor drift from treated areas. Do not contaminate water by cleaning of equipment or disposal of wastes.

Helena 2,4-D Ester 6 is a selective, emulsifiable or oil-miscible herbicide for the control of most broadleaved annual weeds and the herbaceous and woody perennial weeds that are susceptible to Helena 2,4-D Ester 6. This product can be used in airplane or ground spray equipment using either oil or water.

FOLLOW DIRECTIONS CAREFULLY

Mix with water or oil. (Heater Oil or Diesel Fuel recommended) so as to spray the recommended amounts of Helena 2,4-D Ester 6 per acre.

For best results, apply Helena 2,4-D Ester 6 sprays when soil and climate conditions are conducive to rapid growth. This product may be applied when temperatures range from 50°-95°. Results may be unsatisfactory below 65° and above 90°. Sprays applied under adverse conditions (abnormally cool or hot and dry weather or when weeds are near maturity) should not exceed maximum recommended dosage. Under such conditions, control results may not always be entirely satisfactory.

For airplane application, nozzles should be adjusted to produce a coarse, wetting spray consisting of large droplets. With ground equipment Helena 2,4-D Ester 6 sprays are best applied at low pressures of approximately 30 to 50 pounds, with nozzle and nozzle adjustment giving a coarse, wetting, fan-shaped spray.

NON-WARRANTY NOTICE

Follow directions carefully. Seller warrants such directions to be proper and that product conforms to the descriptions on this label. Timing and method of application, weather and crop conditions, and other influencing factors in the use of the product are beyond the control of the Seller, so Seller makes no other warranty, express or implied (including a warranty of merchantability), with reference to the results or effects of use. No person has authority to make any representation not contained on this label.

THIS CONTAINER IS NON-RETURNABLE

Conversion Table

2,4-D Acid Required	1 lb	3.4 lb	12 lb	38 lb	14 lb	18 lb
Amount 2,4-D Ester 6 to use	1-1.3 pts	1 pt	2.3 pt	1.2 pt	1.3 pt	1.6 pt



2,4-D ESTER

CAUTION: KEEP OUT OF REACH OF CHILDREN. SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

ACTIVE INGREDIENTS (By Weight)

*Butyl ester of 2,4-Dichlorophenoxyacetic Acid

*Isopropyl ester of 2,4-Dichlorophenoxyacetic Acid

INERT INGREDIENTS

TOTAL

*Total 2,4-Dichlorophenoxyacetic Acid equivalent 60.8% — 5.7 lb

*Isomer specific by AOAC method 6.D01-5.

NET CONTENTS

U.S.



Manufactured by
HELENA CHEMICAL COMPANY
Memphis, TN 38117



2,4-D ESTER 6

WARNING: KEEP OUT OF REACH OF CHILDREN. SEE SIDE PANEL FOR ADDITIONAL PRECAUTIONARY STATEMENTS.

INGREDIENTS (By Weight)	
2,4-Dichlorophenoxyacetic Acid	57.8%
Esther of 2,4-Dichlorophenoxyacetic Acid	17.5%
INERTS	24.7%
	100.0%

2,4-Dichlorophenoxyacetic Acid equivalent 60.8% — 5.7 lbs. per gallon, by AOAC method 6.D01-5.

U.S. GALLONS

AMOUNTS OF SPRAY MIXTURE TO APPLY

Treatments are listed in general terms. Because of varietal and local conditions consult Agricultural Experiment Station or Extension Service weed specialists.

AIRPLANE APPLICATION — Water — Dilute recommended amount of Helena 2,4-D Ester 6 in 1 to 2 gallons of water and apply per acre.

OIL — Dilute recommended amount in 1 quart of Heater Oil or Diesel Fuel and apply per acre.

GROUND SPRAYERS — Dilute recommended amount in 8 to 20 or more gallons of water and apply per acre. The amount of water required will depend upon the crop and the type of equipment used. Thorough agitation of spray mixture is necessary for best results.

TO CONTROL WEEDS IN RESISTANT CROPS

The following dosages are suggested on growing crops for the control of susceptible weeds such as Mustard, Sunflower, Lambs Quarters, Pigweed, Ragweed, Dock, Cocklebur, Sow Thistle, Marsh Elder, and many other species. Perennial weeds are best killed when in bud or in early leaf stage of growth.

WHEAT, OATS, BARLEY, and RYE — Spray in spring only, using 1.3 to 2.3 pints per acre of Helena 2,4-D Ester 6 after cereals are well tilled (usually 4 to 8 inches tall) but before the early boot stage or after kernels have passed the dough stage. The lower rate is suggested for very susceptible weeds such as young seedling Mustard. The high rate is for use in controlling less susceptible weeds such as Thistles. Sprays containing 3.4 to 11.3 pints per acre may be applied as an emergency weed control measure when seed in heads is past dough stage. Sprays applied during seedling stage, and after the early boot stage up to the dough stage may reduce yields. Fall spraying of Winter Wheat is not recommended. Oats are sometimes quite sensitive to Helena 2,4-D Ester 6 during the period of growth from 6 to 12 inches. Spray if possible before or after this stage. Use lower dosage rates to avoid injury.

Consult Agricultural Experiment Station or Extension Service weed specialists. Do not forage or graze treated grain fields within two weeks after treatment with 2,4-D. Do not feed treated straw to livestock.

ESTABLISHED PASTURES, FIELD and RANGE GRASSES — For control of most annual and many perennial broadleaf weeds use 2.3 to 2.2.3 pints per acre of Helena 2,4-D Ester 6 depending on the susceptibility of weeds. Apply in sufficient water for uniform coverage of weeds. Use the lower rate for perennial weeds and apply while they are small. Repeat if new weeds appear. Either spring or fall applications may be made.

For perennial weeds such as Bromweed, Canada Thistle, St. Johnswort, and Garlic use 1-1.3 to 2.2.3 pints per acre of Helena 2,4-D Ester 6. In general, spray spring weed growth to bud stage and again on fall regrowth. Repeat applications for two or more successive years may be needed to control some weeds.

Do not spray seedling grass no matter what stage is in boot to milk stage. Do not mow grass within two days before or following treatment. In some areas St. Augustine bent, carpet and buffalo grasses are susceptible to injury. Most legumes will be killed or injured with these rates of treatment. Keep dairy animals off treated areas for 7 days after treatment.

TO CONTROL WEEDS ON NON-CROPPED AREAS (lence rows, right-of-ways, around buildings)

ANNUAL WEEDS — For control of Russian Thistle, Pigweed, Shepherd's Purse, and Mustard apply sprays containing 1.3 pints of 2,4-D Ester 6 per acre when weeds are small before they bloom.

PERENNIAL WEEDS — For control of Bindweed, Russian Knapweed, Hoary Cress, Western Ragweed, and Dogbone, apply sprays containing 1-1.3 to 2-2.3 pints of Helena 2,4-D Ester 6 per acre to weeds in bud or bloom stage. If necessary, repeat application in fall when weeds are in the large rosette stage.

TO CONTROL WOODY PLANTS

TREES and BRUSH — For airplane application, use sprays containing 1-1.3 to 2.2.3 pints of Helena 2,4-D Ester 6 in sufficient oil or water per acre to wet such 2,4-D susceptible plants as Sage Brush that occur abundantly over large areas.

Use sprays containing 1-1.3 to 2-2.3 pints of Helena 2,4-D Ester 6 in 50 to 100 gallons of water per acre on such 2,4-D susceptible plants as Poison Ivy, Sumac, Poison Oak, Wild Grape, Sage Brush, and tree regrowth when in full leaf. Cover vegetation completely. Repeat application if new growth appears. Spray fresh-cut stumps thoroughly with a mixture of 2 parts of Helena 2,4-D Ester 6 in 100 parts of kerosene or fuel oil.

Use Helena Brush Killer for general brush control.

FPA REG NO 5905-96
EPA EST NO

SN 110779-6M
MADE IN U.S.A



Manufactured by
HELENA CHEMICAL COMPANY
Memphis, TN 38137