

State

FORMULA 190

NON SELECTIVE WEED AND BRUSH KILLER
ONLY FOR SALE TO, USE, AND STORAGE BY SERVICEPERSONS.

**Kills Weeds, Brush, Grass and Other Vegetation
Through Leaf Contact and Deep Root Penetration**

Use FORMULA 190 for control of growth around:

- buildings
- fence rows
- parking lots
- guard rails
- utility poles
- powerline
- rights-of way
- pavement edges
- drainage ditches
- large ditch banks

ACTIVE INGREDIENTS:

Petroleum oil
2,4-Dichlorophenoxyacetic acid isooctyl ester
Flumicid (5-bromo-3-sec-butyl-6-methyluracil)
Penta-chlorophenol
Other chlorophenols
INERT INGREDIENTS
Total
2,4-Dichlorophenoxyacetic acid equivalent

**WARNING! KEEP OUT OF REACH OF CHILDREN.
Harmful if Swallowed. Causes Skin Irritation.**

Avoid contact with skin, eyes, and clothing. Wash thoroughly after handling in case of contact. Flush with large amounts of water, get medical attention. Remove and wash contaminated clothing before re-use.

SS-190 EPA Reg No 1685-43-AA EPA Est 1585-0H-1

DIRECTIONS

For full season control of most weeds and grasses on non-cropland areas such as power line rights-of-way and industrial plant yards apply one gallon of undiluted FORMULA 190 for each 1,000 sq ft (43 gallons per acre) after the most predominant weeds have emerged. Mixing is not required. FORMULA 190 should be applied with a pressure sprayer for large areas for smaller areas use a tank type hand sprayer or a sprinkling can.

NOTE: Users should consult The State Agricultural Experiment Stations or Extension Service Weed Specialists for any recommendations as to use of FORMULA 190 in their particular area.

CAUTION:

Do not apply to areas underlaid by roots of desirable trees and shrubs. Do not apply directly to, or otherwise permit FORMULA 190 in contact with, desirable plants as this product may injure cotton, beans, peas, grapes, flowers, fruit trees, ornamentals, or other desirable plants. Avoid spray drift to such susceptible plants (coarse sprays are less likely to drift). Vapors from this product may injure susceptible plants in the immediate vicinity. Thoroughly clean spray equipment with suitable chemical cleaner before using for other purposes (or do not use same equipment for other purposes). Do not store near fertilizers, seeds, insecticides, or fungicides.

FORMULA 190 is toxic to fish and wildlife, birds and other wildlife in treated areas may be killed. Keep out of lakes, streams and ponds. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning equipment or disposal of waste. Apply this product as specified on this label.

Do not re-use container. Destroy by burying in a safe place away from water supplies. Do not burn.

ACCEPTED
MAR 27 1981
Under the Federal Insecticide, Fungicide, and Rodenticide Act
10000
1285

The State CHEMICAL MANUFACTURING CO.

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BEST DOCUMENT AVAILABLE

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FORMULA 219 **SURE-KIL** SELECTIVE WEED KILLER

- For Selective Weed Control of certain broad-leaved annual and perennial weeds
- Sequestering Agents make SURE-KIL soluble in hard and soft water
- Use SURE-KIL in low gallonage (5-20 gal. 1 acre) and high volume equipment
- Costly Wetting Agents provide thorough leaf coverage and deep down penetration

Contains 2 lbs. of 2,4-D Acid equivalent per gallon, or 22.2%

DIRECTIONS

FOR TREATING SMALL AREAS: Two tablespoonfuls in 1 1/2 gallons of water is about equal to half a gallon in 100 gallons

SPOT TREATMENT: For knapsack application of SURE-KIL for spot treatment of such weeds as thistles, mix 1 cup of SURE-KIL in 3 gallons of water. Wet all foliage thoroughly

TURF WEED CONTROL: For lawns, pastures and other turf areas, use 2 to 3 quarts of SURE-KIL per acre. Apply when foliage is growing rapidly in late spring or early summer

WARNING: Do not use on lawns of creeping grasses, such as bent, St. Augustine, or carpetgrass or Dichondra, except for spot spraying, nor on seeded turf until grass has become well established. Most legumes are usually damaged or killed

GENERAL WEED CONTROL: In vacant lots, on roadsides and along fence rows, use enough spray to wet all foliage. 1 gallon of SURE-KIL in 100 gallons of water will control most young weeds; however 1 1/2 gals. may be necessary for more resistant weeds. Deep-rooted perennial weeds, such as bindweed and Canada thistle may require repeated applications as new growth appears. Application should be made when plants are growing actively in late spring or early summer, and foliage is fully expanded

WARNING
MAY CAUSE SKIN IRRITATION
KEEP OUT OF REACH OF CHILDREN

Do not get in eyes. Avoid contact with skin and clothing. In case of contact flush eyes with plenty of water for at least 15 minutes and get medical attention. Wash skin with plenty of soap and water.

HARMFUL IF SWALLOWED

Do not store near seeds, food, fertilizer, insecticides or fungicides. Do not contaminate water.

Do not graze treated areas by dairy animals within 7 days after treatment.

ACTIVE INGREDIENT

Dimethylamine salt of	
2,4-Dichlorophenoxyacetic acid	26.75%
INERT INGREDIENTS	73.25%
	100.00%

Equivalent to 22.2% 2,4-D acid or 2.0 pounds per gallon.

See Right Side Panel for additional cautions.

ONLY FOR SALE TO, USE, AND STORAGE BY SERVICE PERSONS.

Extreme care must be used when applying. Do not contaminate water used for irrigation or domestic purposes. Do not allow spray mist to drift onto such plants, since even minute quantities of spray may cause severe injury. Use low pressures when spraying to produce coarse sprays which are less likely to drift. Do not spray on windy days.

Thoroughly clean spray equipment with a suitable chemical cleaner before using for other purposes.

Do not re-use container. Destroy by burying in a safe place. Do not burn.

WARNING NOTICE

State 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. This product is sold subject to the understanding that the buyer assumes all risks of use or handling which may result in loss or damage which are beyond the control of the seller, such as for example incompatibility with other products, the manner of its use or application, or the presence of other products or materials in or on the soil or crop. State makes no other express or implied warranty of fitness or merchantability. The exclusive remedy of the user or buyer, and the limit of the liability of State Chemical or any other seller, for any and all losses, injuries or damages resulting from the use or handling of this product shall be the purchase price paid by the user or buyer for the quantity of this product involved. The buyer and all users are deemed to have accepted the terms of this notice, which may not be varied by any verbal or written agreement.

The **State** CHEMICAL MANUFACTURING CO.
EPA Reg No. 1695-45-AA
EPA Est. No. 1655-0H 1

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MAR 27 1968
Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 1685-45

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FORMULA 219 **SURE-KIL** SELECTIVE WEED KILLER

PM23 1685-45

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For Selective Weed Control of certain broad-leaved annual and perennial weeds
Sequestering Agents make SURE-KIL soluble in hard and soft water
Use SURE-KIL in low gallonage (5-20 gal. 1 acre) and high volume equipment
Costly Wetting Agents provide thorough leaf coverage and deep down penetration
Contains 2 lbs. of 2,4-D Acid equivalent per gallon, or 22.2%

ONLY FOR SALE TO, USE, AND STORAGE BY SERVICE PERSONS.

DIRECTIONS

TREATING SMALL AREAS: Two tablespoonfuls of SURE-KIL in 1/2 gallons of water is about equal to half a gallon in 100 gallons.

SPOT TREATMENT: For knapsack application of SURE-KIL for spot treatment of such weeds as thistles, use 1 cup of SURE-KIL in 3 gallons of water. Wet foliage thoroughly.

PREVENTIVE WEED CONTROL: For lawns, pastures and other areas, use 2 to 3 quarts of SURE-KIL per acre. Apply when foliage is growing rapidly in late spring or early summer.

WARNING: Do not use on lawns of creeping grasses, such as bent, St. Augustine, on carpetgrass or Dichondra, except for spot spraying, nor on seeded turf until grass has become well established. Most legumes are severely damaged or killed.

GENERAL WEED CONTROL: In vacant lots, on roadsides and along fence rows, use enough spray to wet foliage. 1 gallon of SURE-KIL in 100 gallons of water will control most young weeds; however 1 1/2 gals. may be necessary for more resistant weeds. Deep-rooted perennial weeds, such as bindweed and Canada thistle require repeated applications as new growth appears. Application should be made when plants are growing actively in late spring or early summer, and when foliage is fully expanded.

WARNING

**MAY CAUSE SKIN IRRITATION
KEEP OUT OF REACH OF CHILDREN**

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HARMFUL IF SWALLOWED

Do not store near seeds, food, fertilizer, insecticides or fungicides. Do not contaminate water.

Do not graze treated areas by dairy animals within 7 days after treatment.

ACTIVE INGREDIENT

Dimethylamine salt of 2,4-Dichlorophenoxyacetic acid 26.75%

INERT INGREDIENTS 73.25%

100.00%

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See Right Side Panel for additional cautions.

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EPA Reg No. 1685-45-AA
EPA Est No 1685-04-1

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The **State** CHEMICAL MANUFACTURING CO.
 MAIN OFFICE AND PLANT: CLEVELAND, OHIO 44114
 DISTRIBUTION CENTERS, SALES OFFICES NATIONWIDE

REGISTERED
 MAR 27 1961
 Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No. 1685-45

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