

CAUTION should be printed in 18 Pt. Type
 KEEP OUT OF REACH OF CHILDREN in 12 Pt. Type
 This should all be in REP.

CENTER PANEL

SMITH-DOUGLASS
 MANGLE BRUSH KILLER
 (2,4-D/2,4,5-trichloro Low Volatile Ester)

ACTIVE INGREDIENTS:

Isooctyl ester of 2,4,5-trichlorophenoxyacetic acid	31.70%
Isooctyl ester of 2,4-dichlorophenoxyacetic acid	33.15
INERT INGREDIENTS:	35.15
Total	100.00

Equivalent to 22% 2,4,5-trichlorophenoxyacetic acid or 2 lbs. per gallon
 Equivalent to 22% 2,4-Dichlorophenoxyacetic acid or 2 lbs. per gallon

18 Pt. Type ----- CAUTION: KEEP OUT OF REACH OF CHILDREN ----- 12 Pt. Type
 See other warnings on side panels

Distributed by THE BROWN CHEMICAL COMPANY
 Smith-Douglas Division, Norfolk, Va.

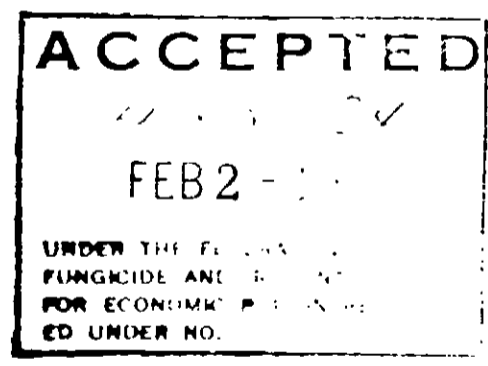
SIDE PANELS

DIRECTIONS FOR USE

General Information

Mangle Brush Killer is designed for use in control of brush and woody plants growing in rights-of-way, including power, telephone, and pipe lines; highways and railroads; and in range lands, pastures, fence rows, farmyards; and along ditch banks. Mangle Brush Killer is effective in controlling the following:

- | | | |
|------------|-------------|--------------|
| Alder | Elm | Osage Orange |
| Ash | Greenbrier | Poison Ivy |
| Aspen | Gum | Poison Oak |
| Birch | Hawthorn | Sassafras |
| Box Elder | Honeysuckle | Sumac |
| Brambles | Locust | Wild cherry |
| Buckbrush | Maple | Wild grape |
| Elderberry | Oak | Willows |



FOLIAGE TREATMENT: Foliage or leaf stem sprays are used during the growing season on dense brush or where vine growth such as Sassafras, Greenbrier, and other woody vines are a problem. Apply after foliage is well developed, using a drenching spray containing 3 to 4 quarts in 100 gallons of water. Coverage should be complete, wetting all parts of the plants, including leaves and stems, to the point of run-off. Applications are more effective when applied to actively growing plants. Higher volumes are necessary where the brush is very dense and/or 8 to 10 feet high. Do not treat during period of severe drought or if early fall when leaves begin to lose their healthy green color. Bark-to-kill sprays may be used to treat the following season.

BASAL TREATMENT: Basal treatments are best made during the dormant season or summer. This treatment is particularly useful for large trees and for those resistant to foliage treatments. Mangle Brush Killer is applied in 20 to 40 gallons of diesel oil or kerosene and drenches all basal stems and branches to the ground. In application, use a double pump sprayer or pump sprayer with a 20 gallon tank or oil, for small areas, or a 40 gallon sprayer for all areas.

results, color will be back to normal at least a year before cutting.
STUMP REMOVAL: To prevent regrowth, cut the stump with a chainsaw, apply a solution
of 4 quarts of
Mangle and killer in 25 gallons of water-free
diesel oil, fuel oil, or kerosene (1 pint in 3 gallons). Concentrate the cut
surfaces of the stump, concentrating the spray on the cut face edge, side of the
stump, and exposed roots until run-off to ground line is noticed. Best results
are usually obtained when applied to freshly cut stumps two inches in diameter or
larger.

FRILL TREATMENT: For trees 6 inches in diameter or larger, use the frill or notch
treatment. Cut a single back-saddle or overlapping saw cuts completely around the
tree near the ground line. Treat the injured area with a solution of 2 quarts of
this material in 25 gallons of diesel oil, fuel oil, or kerosene (1 pint in 7
gallons).

WARNING

Harmful if swallowed. Do not get in eyes, on skin, or on clothing. Do not contaminate
irrigation ditches or water used for domestic purposes.

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

Avoid spray drift to susceptible plants such as cotton, tomatoes, flowers, grapes,
fruit trees, and ornamentals. Spray drift may cause severe injury to both growing
and dormant plants. Coarse sprays are less likely to drift. Vapors from this product
may injure sensitive plants in the immediate vicinity.

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

Do not use the same spray equipment for applying other materials to plants, as
injury will result.

Do not reuse empty container. Destroy by burying in a safe place.

NOTICE OF WARRANTY: The Borden Chemical Company, Smith-Douglass Division, warrants
only that the contents of the container correspond to the analysis printed on the
container, label, or tag. THERE IS NO WARRANTY OF MERCHANTABILITY AND THERE ARE
NO WARRANTIES THAT EXTEND BEYOND SUCH ANALYSIS. Buyer assumes all risks of use,
storage or handling, whether in accordance with directions or not.

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