



TORDON[®] 225 MIXTURE

For Control of Mesquite and Associated Woody Species on Rangeland and Permanent Grass Pasture

ACTIVE INGREDIENTS:

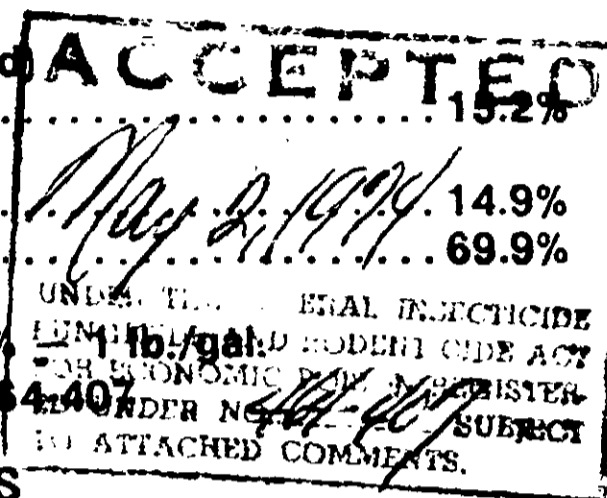
Picloram (4-amino-3,5,6-trichloropicolinic acid) as the triethylamine salt.....	15.2%
2,4,5-T (2,4,5-trichlorophenoxyacetic acid) as the triethylamine salt.....	14.9%

INERT INGREDIENTS:.....

Acid Equivalents:

Picloram 10.7% — 1 lb./gal.	2,4,5-T 10.7%	1 lb./gal.
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E.P.A. Registration No. 464,407



USE DIRECTIONS

Read and Follow All Use Precautions Given on this Label

General Information

TORDON 225 Mixture herbicide is recommended for control of mesquite and associated woody and herbaceous broadleaf plant species infesting rangeland and permanent grass pastures in Texas. Applications made according to label directions usually give excellent control of most annual and perennial herbaceous broadleaf weed species. Certain more resistant perennial herbaceous species and woody plants may require repeat treatment in subsequent years. Woody species controlled include:

blackbrush	huisache	redberry juniper
catclaw acacia	Macartney rose	skunkbush
granjeno	mesquite	tasajillo
(spiny hackberry)	pricklypear cactus	twisted acacia

TORDON 225 Mixture at recommended rates usually provides moderate to good top-kill but only partial root-kill of the following species:

lotebush	whitebrush	yaupon
oaks	winged elm	

Note: Many forbs are susceptible to TORDON 225 Mixture. Do not spray pastures containing forbs, especially legumes, unless injury to such plants can be tolerated. However, the stand and growth of established native grasses is improved after spraying, especially when rainfall is adequate and grazing is deferred.

Preparing the Spray

TORDON 225 Mixture may be used in water alone or in oil-water mixes. For oil-water mixes, use diesel fuel, fuel oil or kerosene at the rate of 1 gallon per acre. To ensure proper mixing, maintain continuous, vigorous mechanical agitation during the entire mixing period. Regulate agitation and the addition of water to minimize foaming.

For Use With Water Alone: With moderate agitation, add the required amount of TORDON 225 Mixture as the spray tank is filled with the required amount of water.

For Use With Water and Oil — (Batch Mixing): With continuous, vigorous agitation:

1. Add half the amount of water to be used to the spray tank.
2. Add the amount of TORDON 225 Mixture required for the total volume of spray being mixed.
3. Premix the required amount of oil with an emulsifier such as TRYAD or TRITON X-100 brands using 1 ounce of emulsifier per gallon of oil. Add the oil-emulsifier premix to the spray tank.
4. Finally, add the remaining amount of water required to bring the spray batch to the desired total volume.
5. Maintain agitation in the spray tank during application.

For Use With Water and Oil — (Meter Mixing): Water-oil sprays containing TORDON 225 Mixture may also be prepared using the spray tank "loading" pump to mix the ingredients while filling the tank. This procedure involves simultaneous metering of the required amounts of water-herbicide and oil-emulsifier mixtures into the intake line of the pump during operation. Since emulsification is accomplished in the pump, it is important that a pump with moderate to high shearing action be used. For proper results, **always** introduce the water-herbicide premix into the intake line before introducing the oil-emulsifier, or a thick, invert emulsion may result. Maintain agitation in the spray tank during application.

Dosage and Application Directions

TORDON 225 Mixture is recommended for use at the rate of 1 to 2 quarts per acre. Use the 2 quart rate in areas with a high percentage of mixed brush species. Use the 1 quart rate where mesquite is the principal species to be controlled. For best results apply in the spring during the period 40 to 90 days after first green growth appears at the bud and when moisture conditions are favorable for good growth. Fall applications are effective for control of blackbrush, granjeno, small huisache and Macartney rose when soil moisture is adequate for good plant growth. Fall applications are not effective on mesquite.

Aerial Application: For treatment of large areas of mesquite or other susceptible brush species by air, use 1 to 2 quarts of TORDON 225 Mixture plus 1 gallon of oil per acre in enough water to give 4 to 5 gallons of total spray per acre.

Ground Application — Broadcast Spraying: To control low growing species and regrowth apply 1 to 2 quarts TORDON 225 Mixture in 10 to 25 gallons

of water per acre. Add 1 to 2 quarts agricultural oil to the spray tank per acre of mixed spray to provide improved wetting.

Ground Application — Spot Spraying: To control mesquite and other susceptible species, apply a 225 Mixture plus 1 to 2 quarts agricultural oil per acre of mixed spray to thoroughly wet foliage.

Note: Repeat applications may be made if complete control is desired; however, do not exceed 2 quarts of TORDON 225 Mixture per acre during the growing season. Consult your Extension Weed Specialist for local recommendations. This product conforms to all applicable Federal and State regulations regarding use of herbicides.

USE PRECAUTIONS

Use this product only as directed on this label. Do not allow spray drift. TORDON 225 Mixture may injure or kill most broadleaf plants. Very small amounts may injure or kill some grasses if applied during either growing or dormant periods. Do not spray on susceptible plants nor the soil containing roots and other ornamentals, vegetables, grain, tobacco, tomatoes, potatoes, beans or numerous other valuable plants. Apply when wind is less than 10 miles per hour. Coarser spray nozzles and lower operating pressure are least likely to drift. Do not use fine droplet spray nozzles.

Do Not Contaminate Water: To avoid injury to aquatic life, do not contaminate irrigation ditches or streams for domestic purposes. Do not treat or allow spray drift to fall on or bottom of irrigation ditches, either directly or indirectly, or on ditches that carry water that may be used for any body of water.

Do Not Move Treated Soil: Do not go to or move the soil from treated areas to other areas.

Do Not Treat or Allow Spray Drift on Areas Used for Growing Desirable Broadleaf Plants:

Do not graze dairy animals on treated areas. Do not slaughter meat animals grazing on treated areas. Do not apply to areas used for application.

THE DOW CHEMICAL COMPANY MIDLAND, MICHIGAN

225 MIXTURE HERBICIDE

Woody Species on Rangeland and Permanent Grass Pastures in Texas

Pre-Mixing): With continuous, vigorous

used to the spray tank.

Mixture required for the total volume of

with an emulsifier such as TRYAD or
once of emulsifier per gallon of oil. Add
spray tank.

of water required to bring the spray

work during application.

Pre-Mixing): Water-oil sprays containing
prepared using the spray tank "loading"
filling the tank. This procedure involves
measured amounts of water-herbicide and oil-
line of the pump during operation. Since
a pump, it is important that a pump with
be used. For proper results, **always** intro-
duce the intake line before introducing the
mixture. Maintain agitation in

Application Directions

Recommended for use at the rate of 1 to 2 quarts
per acre in areas with a high percentage of mixed
species where mesquite is the principal species
to be controlled. Apply in the spring during the period 40 to
60 days before the bud and when moisture con-
ditions are favorable. Fall applications are effective for
controlling huisache and Macartney rose when
plant growth is slow. Fall applications are not

Recommended for use on large areas of mesquite or other sus-
ceptible species. Apply 2 quarts of TORDON 225 Mixture plus
water to give 4 to 5 gallons of total spray

Spot Spraying: To control low growing species
apply TORDON 225 Mixture in 10 to 25 gallons

of water per acre. Add 1 to 2 quarts agricultural surfactant per 100 gallons
of mixed spray to provide improved wetting of weed and brush foliage.

Ground Application — Spot Spraying: To control small patches of mesquite
and other susceptible species, apply a spray containing 1 gallon TORDON
225 Mixture plus 1 to 2 quarts agricultural surfactant per 100 gallons of
water. Spray to thoroughly wet foliage, stems and trunks.

Note: Repeat applications may be made in successive years if more com-
plete control is desired; however, do not apply more than a total of 4 quarts
of TORDON 225 Mixture per acre during any 5 year period. Consult your
Extension Weed Specialist for local recommendations. Be sure that use of
this product conforms to all applicable State and Federal regulations re-
garding use of herbicides.

USE PRECAUTIONS

Use this product only as directed on this label.

Do Not Allow Spray Drift: TORDON 225 Mixture is highly active against
most broadleaf plants. Very small amounts may cause injury to such plants
if applied during either growing or dormant periods. Do not apply or other-
wise permit TORDON 225 Mixture or sprays containing it to contact desir-
able plants nor the soil containing roots of desirable plants such as flowers
and other ornamentals, vegetables, grapes, fruit and shade trees, cotton,
tobacco, tomatoes, potatoes, beans of all types including soybeans, plus
numerous other valuable plants. Apply TORDON 225 Mixture only when
wind is less than 10 miles per hour. Coarse sprays produced with low spray-
ing pressure are least likely to drift. **Do not use high pressure sprays or fine
droplet spray nozzles.**

Do Not Contaminate Water: To avoid injury to crops or other desirable plants,
do not contaminate irrigation ditches or water intended for irrigation or
domestic purposes. Do not treat or allow spray drift to fall onto inner banks
or bottom of irrigation ditches, either dry or containing water, or other chan-
nels that carry water that may be used for irrigation purposes. Keep out of
any body of water.

Do Not Move Treated Soil: Do not go over treated areas with land levelers
or move the soil from treated areas to untreated areas by any other means.

**Do Not Treat or Allow Spray Drift on Areas Being Used or Intended to be
Used for Growing Desirable Broadleaf Plants or Cultivated Food Crops.**

**Do not graze dairy animals on treated areas within 6 weeks after application.
Do not slaughter meat animals grazing on treated areas within 2 weeks after
application.**

Do not use around the home, recreation areas, or similar sites.

Do not store near food, feedstuff, fertilizer, seeds, insecticides, fungicides
or other pesticides.

To avoid injury to desirable plants, containers for TORDON 225 Mixture
should not be reused. Rinse equipment and containers thoroughly with
water and dispose of rinse waste by burying in non-croplands away from
water supplies. Dispose of containers by punching holes in them and bury-
ing with waste. Sprayers must be thoroughly cleaned before reuse.

**Be Sure To Follow All Use Precautions Given on This Label And Remember
These Key Points:**

1. Use only the recommended amounts of TORDON 225 Mixture at the
recommended times.
2. TORDON 225 Mixture remains active in the soil for extended periods.
Treated soil should not be moved out of treated areas.
3. TORDON 225 Mixture is water soluble. It can move with water in irrigation
and drainage ditches. Do not contaminate water.
4. Spray drift can cause injury to certain crops, ornamentals, trees and
numerous other desirable plants.

CAUTION

**KEEP OUT OF REACH OF CHILDREN
HARMFUL IF SWALLOWED
CAUSES EYE IRRITATION
MAY CAUSE SKIN IRRITATION
Avoid Contact with Eyes, Skin, and Clothing
Avoid Breathing Spray Mists
Wash Well After Handling or Use
Keep Container Closed**

When handling concentrate, wear suitable eye protection. In
case of eye contact, promptly flush contaminated eyes with
plenty of water and get medical attention. Remove grossly
contaminated clothing and wash before reuse.

NOTICE: Seller warrants that the product conforms to its chemical description and
is reasonably fit for the purpose stated on the label when used in accordance with
directions under normal conditions of use, but neither this warranty nor any other
warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ex-
press or implied, extends to the use of this product contrary to label instructions or
under abnormal conditions, or under conditions not reasonably foreseeable to seller,
and buyer assumes the risk of any such use.

U.S. Patent No. 3,285,925

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CHEMICAL COMPANY MIDLAND, MICHIGAN 48640

Lot

20 FEB 1974

Gallons