

DIRECTIONS

BRUSH TREATMENT

Do not graze dairy animals on treated areas within 6 weeks after application.

Do not graze meat animals on treated areas within 2 weeks of slaughter.

DILUTION TABLE (For Power Sprayers)

PIONEER Brush Killer No. 23	Water
1 1/2 Pints	30 gallons
1 1/4 to 2 Quarts	50 gallons
3 to 4 Quarts	100 gallons

For knapsack sprayers of 2- to 5-gallon capacity use from 1 to 1 1/2 pints of PIONEER BRUSH KILLER No. 23 per 5 gallons of water.

Wet all stems and leaves thoroughly, as complete coverage is necessary for uniform kill. Amount of material required will depend upon the height and denseness of the brush. One thorough application will control 75% or more of the susceptible growth.

While under some conditions repeat applications may be necessary to control regrowth, usually a single treatment per year is sufficient. If brush is dense some plants may not be covered, so a second application may be necessary to control those missed, or any regrowth.

Non Warranty: Bartels and Shores warrants that this insecticide conforms to the chemical description on its label. When used in accordance with label directions under normal conditions, this insecticide is suitably fit for its intended purpose. Since timing, methods of application, weather, plant, and soil conditions, mixture with other chemicals and other factors affecting the use of this product are beyond our control, no warranty is given concerning the use of this product contrary to label directions or under conditions which are abnormal or not reasonably foreseeable. The user assumes all risks of any such use.

PIONEER BRAND

BRUSH KILLER No. 23

2,4-D

CONTROLS

OAK
HICKORY
OSAGE
ORANGE
ELM
PERSIMMON
BLACKBERRY

2,4,5-T

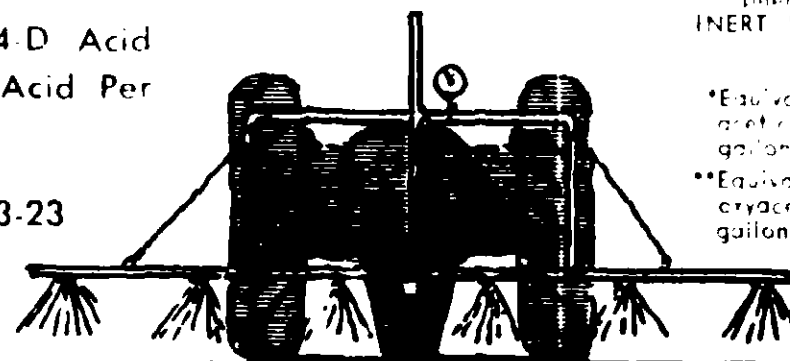
CAUTION: KEEP OUT OF REACH OF CHILDREN.

READ RIGHT PANEL FOR ADDITIONAL HANDLING PRECAUTIONS.

A herbicide especially compounded for use on Brush and Woody Plants.

Contains 2 pounds 2,4-D Acid and 2 pounds 2,4,5-T Acid Per Gallon.

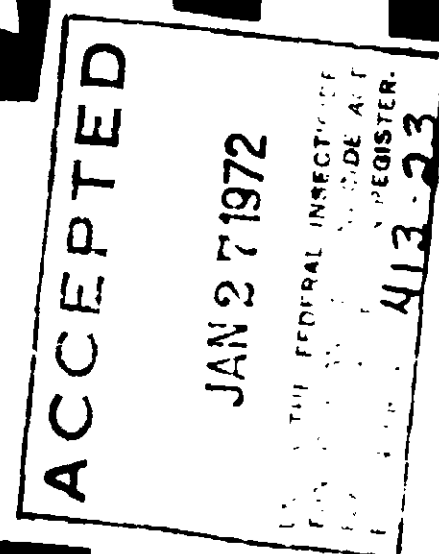
EPA Registration No. 413-23



Distributed by

*Bartels & Shores
Chemical Company*

KANSAS CITY, MISSOURI



DIRECTIONS

STUMP AND TRUNK TREATMENT

Easy to Kill

- | | |
|------------------|--------------------------------|
| ALDER (SPECKLED) | JUNEBERRY |
| BLACKBERRY | MAPLE (Swarf, Spaced) |
| BLUEBERRY | OAK (Black, Post, Lacerata, K) |
| CHERRY | Post White) |
| CHERRY (Prickly) | ORANGE (Dange) |
| Sticky Stick) | PERSIMMON |
| CHERRYBERRY | PLUM (Sweet) |
| ELM (American) | SUMAC (Smooth, |
| Winged) | Staghorn) |
| GOSWORTHY | TRUMPET VINE |
| HAZEL | YING |
| HAZEL-NUT | WALNUT (Burning) |
| HICKORY | Bush) |
| MONEYSUCKLE | WILLOW (Black, |
| IVY (Poison) | Bright) |

More Tolerant

- | | |
|-------------|----------------|
| ASH (White) | Bittersweet |
| CEAR (Red) | COSE (Prairie) |

CONSULT STATE AGRICULTURAL EXPERIMENTAL STATIONS OR EXTENSION SERVICE WEED SPECIALISTS.

CAUTION: Avoid contact with eyes, skin, or clothing. In case of contact, wash thoroughly with plenty of water. Harmful if swallowed. Do not take internally.

KEEP OUT OF REACH OF CHILDREN.

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

Do not store near fertilizers, seeds, insecticides, or fungicides. Do not apply direct to flowers, vegetables, fruit trees, ornamentals, cotton or other susceptible plants. **AVOID SPRAY DRIFT.** (Coarse sprays are less likely to drift.) Vapors from this product may injure susceptible plants in the immediate vicinity.

Toxic to fish. Do not contaminate any body of water by direct application, cleaning of equipment, disposal of wastes and containers, or apply to any area not specified on the label.

Thoroughly clean spraying equipment with a suitable chemical cleaner before using for other purposes, or, better yet, do not use the same equipment for other spraying purposes.

PROTECT FROM FREEZING.

DO NOT USE, POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME.

Do not reuse empty container. Destroy when empty.

LITHO IN U.S.A.

DIRECTIONS

BRUSH TREATMENT

PIONEER BRUSH KILLER No. 23 is a mixture of 2,4-D and 2,4,5-T which can be dissolved in fuel oil or emulsified with water. Application can be made any time after the full leaf stage until three weeks before frost. Best results are obtained when the brush to be sprayed is under five feet tall. Brush over five feet tall may require repeat application or cutting, and stump treatment.

Use in such areas as roadsides, along fence rows, and on power lines. On such plants as are listed on this label.

Do not use in ditches or ditch banks, lakes or ponds. For pasture spraying do not exceed 3 pounds 2,4,5-T acid equivalent per acre.

Do not graze dairy animals on treated areas within 6 weeks after application.

Do not graze meat animals on treated areas within 2 weeks of slaughter.

DILUTION TABLE (For Power Sprayers)

Pioneer Brush Killer No. 23	Water
1 to 2 Pints	30 gallons
1 to 2 Quarts	50 gallons
3 to 4 Quarts	100 gallons

For knapsack sprayers of 2 to 5 gallon capacity use from 1 to 1 1/2 pints of PIONEER BRUSH KILLER No. 23 per 5 gallons of water.

Wet all stems and leaves thoroughly. Complete coverage is necessary for uniform kill. Amount of material required will depend upon the height and denseness of the brush. One thorough application will control 75% or more of the susceptible growth.

While under some conditions repeat applications may be necessary to control regrowth, usually a single treatment per year is sufficient. If brush is dense some plants may not be covered so a second application may be necessary to control those missed, or any regrowth.

Non Warranty: Bartels and Shores warrants that this insecticide conforms to the chemical description on its label. When used in accordance with label directions under normal conditions, this insecticide is ably fit for its intended purpose. Since timing, date of application, weather, plant, and soil conditions, mixture with other chemicals and other factors affecting the use of this product are beyond our control, no warranty is given concerning the use of this product contrary to label directions or under conditions which are abnormal or not reasonably foreseeable. The user assumes all risks of any such use.

PIONEER BRAND

BRUSH KILLER

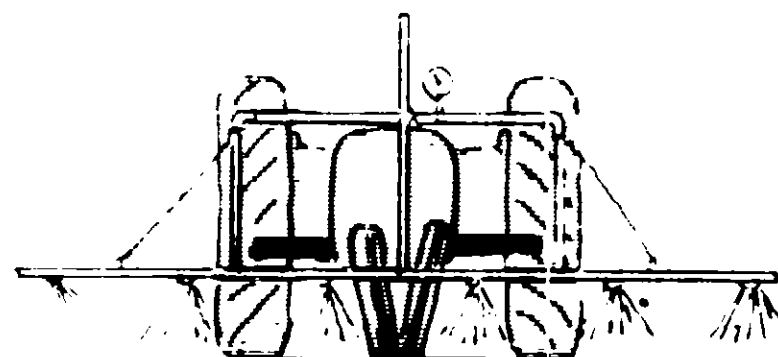
No. 23

2,4-D

CONTROLS

OAK, BUCKRUSH, CHERRY, CURRANT Prickly Sticky Stink, DEWBERRY, ELM American Winged, GOOSEBERRY, GRAPE, HAZEL NUT, HICKORY, HONEYSUCKLE, IVY Poison, JUNEBERRY, MAPLE Soft Sugar, OAK Black Jack, Burr, Post White, ORANGE Osage, PERSIMMON, PLUM Sand, SUMAC Smooth, Staghorn, TRUMPET VINE, TUNG, WAHOO Burning Bush, WILLOW Black, Bright.

CAUTION: KEEP OUT OF REACH OF CHILDREN.
 READ RIGHT PANEL FOR ADDITIONAL HANDLING PRECAUTIONS.



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Bartels & Shores Chemical Company

KANSAS CITY, MISSOURI

DIRECTIONS

STUMP AND TRUNK TREATMENT

Dilute at the rate of 1 1/2 pints to 5 gallons of fuel oil. Apply by spraying or brushing over the entire stump, or from 18 inches to ground on trunks. Make application heavy until runoff is evident on entire area and on all sides. Treat freshly cut stumps and trunks any time of year.

THOROUGH COVERAGE IS IMPORTANT

Any new seedling or regrowth which may appear should be treated with PIONEER BRUSH KILLER No. 23, diluted with water as shown in dilution table.

RESISTANT OR EASY-TO-KILL SPECIES OF BRUSH

Easy to Kill

ALDER, SPECKLED, BLACKBERRY, BUCKRUSH, CHERRY, CURRANT Prickly Sticky Stink, DEWBERRY, ELM American Winged, GOOSEBERRY, GRAPE, HAZEL NUT, HICKORY, HONEYSUCKLE, IVY Poison, JUNEBERRY, MAPLE Soft Sugar, OAK Black Jack, Burr, Post White, ORANGE Osage, PERSIMMON, PLUM Sand, SUMAC Smooth, Staghorn, TRUMPET VINE, TUNG, WAHOO Burning Bush, WILLOW Black, Bright.

More Tolerant

ASH White, CEDAR Red, BITTERSWEET, ROSE Prairie

CONSULT STATE AGRICULTURAL EXPERIMENTAL STATIONS OR EXTENSION SERVICE WEED SPECIALISTS.

CAUTION: Avoid contact with eyes, skin, or clothing. In case of contact, wash thoroughly with plenty of water. Harmful if swallowed. Do not take internally.

KEEP OUT OF REACH OF CHILDREN.

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

Do not store near fertilizers, seeds, insecticides, or fungicides. Do not apply direct to flowers, vegetables, fruit trees, ornamentals, cotton or other susceptible plants. AVOID SPRAY DRIFT. (Coarse sprays are less likely to drift.) Vapors from this product may injure susceptible plants in the immediate vicinity.

Toxic to fish. Do not contaminate any body of water by direct application, cleaning of equipment, disposal of wastes and containers, or apply to any area not specified on the label.

Thoroughly clean spraying equipment with a suitable chemical cleaner before using for other purposes, or, better yet, do not use the same equipment for other spraying purposes.

PROTECT FROM FREEZING

DO NOT USE POUR, SPILL OR STORE NEAR HEAT OR OPEN FLAME.

Do not reuse empty container. Destroy when empty.

DIRECTIONS

BUSH TREATMENT

PIONEER BRUSH KILLER No. 23 is a mixture of 2,4-D and 2,4,5-T which can be dissolved in fuel oil or emulsified with water. Application can be made any time after the full leaf stage until three weeks before frost. Best results are obtained when the brush to be sprayed is under five feet tall. Brush over five feet tall may require repeat application or cutting and stump treatment.

Use on such areas as roadsides, along river banks, and on power lines. On such plants as are listed on this label.

Do not use in ditches or ditch banks, lakes or ponds. For pasture spraying do not exceed 3 pounds 2,4,5-T acid equivalent per acre.

Do not graze dairy animals on treated areas within 6 weeks after application.
Do not use meat or milk on treated areas within 2 weeks of slaughter.

DILUTION TABLE (For Power Sprayers)

Brush Killer No. 23	Water
1 to 2 Pints	30 to 40 gals.
1 to 2 Quarts	50 to 60 gals.
2 to 4 Quarts	100 to 150 gals.

For knapsack sprayers, use 1 to 2 quarts of Brush Killer No. 23 from 1 to 1 1/2 gallons of PIONEER BRUSH KILLER No. 23 per 5 gallons of water.

Wet all stems and leaves thoroughly. Good coverage is necessary for best results. Amount of material required will depend upon the type and density of the brush. One thorough application will control 75% or more of the brush to be treated.

While under some conditions repeat applications may be necessary to control regrowth, usually a single treatment per year is sufficient. If brush is dense, some plants may not be covered so a second application may be necessary to control those missed or any regrowth.

Non Warranty: Bartels and Shores warrants that this insecticide conforms to the chemical description on its label. When used in accordance with label directions under normal conditions, this insecticide is ably fit for its intended purpose. Since timing, date of application, weather, plant and soil conditions, mixture with other chemicals and other factors affecting the use of this product are beyond our control, no warranty is given concerning the use of this product contrary to label directions or under conditions which are abnormal or not reasonably foreseeable. The user assumes all risks of any such use.

PIONEER BRAND

BRUSH KILLER
No. 23

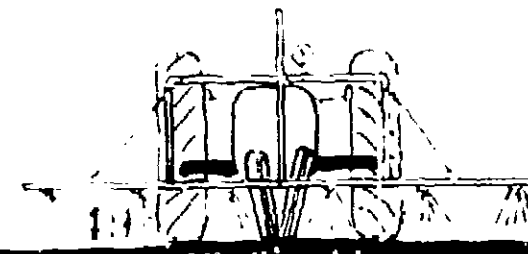
2,4-D

CONTROLS

OAK, HICKORY, OSAGE, CHERRY, PERSIMMON, BLACKBERRY

2,4,5-T

CAUTION: KEEP OUT OF REACH OF CHILDREN.
READ RIGHT PANEL FOR ADDITIONAL HANDLING PRECAUTIONS.



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Chemical Company

KANSAS CITY, MISSOURI

PIONEER



BRAND

BRUSH KILLER

No. 23

(METHYL ESTER)

24-D

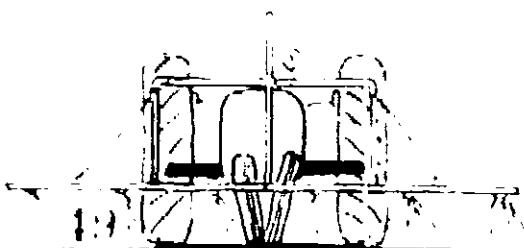
CONTROLS

OAK
HICKORY
OSAGE ORANGE (WOOD)

ELM
PERSIMMON
WILD BLACKBERRY

24.5-1

CAUTION: KEEP OUT OF REACH OF CHILDREN
READ RIGHT PANEL FOR ADDITIONAL HANDLING PRECAUTIONS



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KANSAS CITY, MISSOURI

DIRECTIONS

STUMP AND TRUNK TREATMENT

Dilute at the rate of 1 1/2 pints to 3 gallons of fuel oil. Apply by spraying or brushing over the entire stump, or from 12 inches to ground on trunks. Make application heavy until runoff is evident on entire area and on all sides. Treat freshly cut stumps and trunks any time of year.

THOROUGH COVERAGE IS IMPORTANT

Any new seedling or regrowth which may appear should be treated with PIONEER BRUSH KILLER No. 23, diluted with water as shown in dilution table.

RESISTANT OR HARD-TO-KILL SPECIES OF TREES

Easy to Kill

ALDEN, SPECKLED	JUNEBERRY
BLACKBERRY	MAPLE Soft Sugar
BUCKBRUSH	OAK Black Jack Berry,
CHERRY	Post White
CURRANT Prickly	ORANGE Osage
Sticky Stick	PERSIMMON
DEWBERRY	PLUM Seed
ELM American	SUMAC Smooth
Winged	Staghorn
GOOSEBERRY	TRUMPET VINE
GRAPE	TUNG
H WEL NUT	WAHOO Burning
HICKORY	Bush
HONEYSUCKLE	WILLOW Black,
IVY Poison	Bright

More Tolerant

ASH White	BITTERSWEET
CEDAR Red	ROSE Prairie

CONSULT STATE AGRICULTURAL EXPERIMENTAL STATIONS OR EXTENSION SERVICE WEED SPECIALISTS

CAUTION: Avoid contact with eyes, skin, or clothing. In case of contact, wash thoroughly with plenty of water. Do not take internally.

KEEP OUT OF REACH OF CHILDREN.

Do not use around children's play areas or similar

Do not store near fertilizers, seeds, insecticides, or fungicides. Do not apply direct to flowers, vegetables, fruit trees, ornamentals, cotton or other susceptible plants. **AVOID SPRAY DRIFT.** (Coarse sprays are less likely to drift.) Vapors from this product may injure susceptible plants in the immediate vicinity.

Toxic to fish. Do not contaminate any body of water by direct application, cleaning of equipment, disposal of wastes and containers, or apply to any area not specified on the label.

Thoroughly clean spraying equipment with a suitable chemical cleaner before using for other purposes, or, better yet, do not use the same equipment for other spraying purposes.

PROTECT FROM FREEZING

DO NOT USE POUR SPILL OR STORE NEAR HEAT OR OPEN FLAME

Do not reuse empty container. Destroy when empty.