

FRUIT AND NUT CROPS

WEEDS CONTROLLED BY 1 GAL. DEVRINOL 4-F PER ACRE-SURFACE APPLICATION

NOTE DEVRINOL 4-F does not control established weeds.

ANNUAL GRASSES:

Annual Bluegrass	(<i>Poa annua</i>)
Barnyardgrass	(<i>Echinochloa crus-galli</i>)
(Watergrass)	(<i>Setaria verticilla</i>)
Bristly Foxtail	(<i>Panicum maximum</i>)
Gunegrass	
Johnsongrass	
Seedlings	(<i>Sorghum halepense</i>)
Sandbur	(<i>Cenchrus spp</i>)
Texas Panicum	(<i>Panicum texanum</i>)
Large (Hairy)	
Crabgrass	(<i>Digitaria sanguinalis</i>)
Ripgut Brome	(<i>Bromus rigidus</i>)
Southwestern	
Cupgrass	(<i>Eriochloa gracilis</i>)
Wild Barley	(<i>Hordeum leporinum</i>)
Oats	(<i>Avena fatua</i>)

ANNUAL BROADLEAF WEEDS:

Chickweed	(<i>Stellaria media</i>)
Common Fiddleneck	(<i>Amsinckia intermedia</i>)
Prostrate Knotweed	(<i>Polygonum aviculare</i>)
Little Mallow	(<i>Malva parviflora</i>)
Common Purslane	(<i>Portulaca oleracea</i>)
Annual Sowthistle	(<i>Sonchus oleraceus</i>)
Filaree	(<i>Erodium spp</i>)
Groundsel	(<i>Senecio spp</i>)
Horse Purslane	(<i>Trianthema portulacastrum</i>)

Lambsquarters	(<i>Chenopodium album</i>)
Pineappleweed	(<i>Matricaria matricarioides</i>)
Prickly Lettuce	(<i>Lactuca scariola</i>)
Redroot Pigweed	(<i>Amaranthus retroflexus</i>)

from seed

Additional weeds controlled by DEVRINOL 4-F / SIMAZINE 80-WP tank mix, surface applied, at recommended rates:

California Burclover	(<i>Medicago polymorpha</i>)
Henbit	(<i>Lamium amplexicaule</i>)
London Rocket	(<i>Sisymbrium irio</i>)
Marestail (Horseweed)	(<i>Conyza canadensis</i>)
Miners Lettuce	(<i>Montia perfoliata</i>)
Panicum Willoweed	(<i>Epilobium paniculatum</i>)
Redmaids (Rockpurslane)	(<i>Calandrinia caulescens</i>)
Shepherdspurse	(<i>Capsella bursa-pastoris</i>)

DIRECTIONS FOR USE

NOTE All rates are given on a broadcast basis. Reduce rates proportionately for band or strip treatment.

For control of all weeds listed, apply 1 gallon DEVRINOL 4-F per broadcast acre to the soil surface. Apply in the fall through early spring prior to weed emergence. Do not apply DEVRINOL 4-F to frozen ground. For best results, the treatment must reach the zone of weed seed germination. If rainfall does not occur the treatment must be shallowly incorporated or irrigated-in following application (sprinkler or flood) with sufficient water to wet the soil to a depth of 2 to 4 inches. In the Western and Pacific Northwest Regions treatment made in November through February must be incorporated-in or irrigated-in if no rainfall occurs within two weeks of application. For treatments made other than in November through February in these regions, and for all treatments applied in the Northern, Southwestern, and Southeastern Regions regardless of season, the treatment must be incorporated-in or irrigated-in within 24 hours if no rainfall occurs.

Use as directed spray and avoid contact with fruit or foliage. Do not apply when fruit or nuts are on the ground during the harvest period. Do not graze treated areas.

RECOMMENDATIONS

DEVRINOL 4-F is recommended for use on the following crops. Refer to regional map under "DIRECTIONS FOR USE".

National

Established crops only: almonds, apples, apricots, cherries, figs, grapefruit, grapes, lemons, nectarines, oranges, peaches, pears, pecans, plums, prunes, tangerines, and walnuts. Newly transplanted and established strawberries. (Application of DEVRINOL 4-F should be delayed until the desired number of daughter plants have become established. Do not apply from bloom to harvest.)

Pacific Northwest

Newly planted or established canberries (blackberries, raspberries, boysenberries and loganberries).

Established crops only: filberts. (See National recommendations for additional established crops.)

California

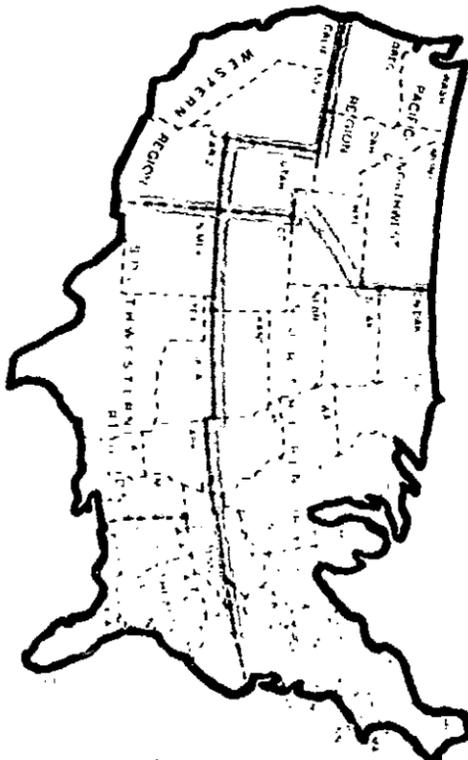
Newly planted or established canberries (blackberries, raspberries, boysenberries and loganberries).

Newly planted or established almonds, apples, apricots, cherries, grapefruit, grapes, lemons, nectarines, oranges, peaches, pears, pecans, plums, prunes, tangerines and walnuts. (See National recommendations for additional established crops.)

Arizona

Newly planted or established grapefruit, grapes, lemons, oranges, pecans and tangerines. (See National recommendations for additional established crops.)

REGIONAL USE MAP



Where recommended for use on established crops, apply DEVRINOL 4-F only to stands that have been established for at least one year in the field, orchard, vineyard, or grove. Where recommended for use on newly planted crops, application may be made immediately after planting young trees, vines, and bushes.

To avoid injury to crops not specified on the label do not plant until 12 months after the last DEVRINOL 4-F application.

TANK MIXTURES

IMPORTANT

Observe all cautions and limitations on labeling of all products used in combination.

Make only one application per season.

Do not contaminate water by cleaning of equipment or disposal of wastes. Apply these combinations only as specified on this label.

For a tank mix application apply the recommended dosage (see directions for use) in 20 to 100 gallons of water per acre.

In any tank mix including PARAQUAT CL, add an approved non-ionic spreader to the tank water, such as ORTHO X-77 spreader, at the rate of 8 oz per 100 gallons.

DEVRINOL 4-F/PARAQUAT CL COMBINATION

DEVRINOL 4-F will not control emerged weeds. PARAQUAT CL may be used to control existing weeds when applied prior to, or in combination with DEVRINOL 4-F.

ORTHO X-77 Registered trademark of Chevron Chemical Company.

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Refer to the section on DEVRINOL 4-F surface application for a list of weeds controlled.

DIRECTIONS FOR USE

Follow use directions for DEVRINOL 4-F surface application. Read the PARAQUAT CL label for timing with respect to stage of weed growth and for application methods recommended to minimize crop injury.

For control of all weeds listed, apply 1 gallon DEVRINOL 4-F and 1 to 2 quarts PARAQUAT CL per broadcast acre.

RECOMMENDATIONS

Consult the PARAQUAT CL label for recommended uses in orchards and vineyards. Then read the crop recommendations for DEVRINOL 4-F surface application to insure that the combination may be used for a particular crop in your area. Recommended only for the uses specified on the PARAQUAT CL and DEVRINOL 4-F labels. Do not apply this combination to caneberries.

DEVRINOL 4-F/PRINCEP® 80-WP COMBINATION (California Only)

DEVRINOL 4-F may be used in combination with PRINCEP 80-WP for control of additional weeds not controlled by DEVRINOL 4-F alone. This tank mix does not control emerged weeds.

PRINCEP Registered trademark of Ciba-Geigy Corporation.

DIRECTIONS FOR USE

For control of all weeds listed, apply 1 gallon DEVRINOL 4-F and 0.6 to 1.25 pounds PRINCEP 80-WP per broadcast acre. Limit treatment of almonds, grapes and peaches to a 4 to 8 foot band centered on the tree row, reducing the dosage proportionately. Apply in the fall through early spring, prior to weed emergence. For best results, the treatment must reach the zone of weed seed germination. Treatments made other than in November through February must be shallowly incorporated or irrigated in the same day as applied (sprinkler or flood) with sufficient water to wet the soil to a depth of 2 to 4 inches. Irrigation or shallow incorporation is recommended for treatments made from November through February if no rainfall occurs within two weeks of application.

In each case where a range of rates is given for PRINCEP 80-WP the lower rate should be used on light soils (coarse textured—sandy) and soils low in organic matter. The higher rate should be used on heavy soils (fine textured—clay) and soils high in organic matter.

Read directions on the PRINCEP 80-WP label concerning nozzle and screen sizes.

Use as directed spray and avoid contact with fruit or foliage. Do not apply when fruit or nuts are on the ground during the harvest period. Do not graze treated area.

RECOMMENDATIONS

For use on almonds, apples, grapefruit, grapes, lemons, oranges, peaches, pears and walnuts.

NOTE: To avoid possible crop injury follow these precautions:



Apples and Pears: Make application only to orchards where trees have been established one year or more.

Almonds and Peaches: Do not treat trees established in the orchard less than 3 years. Do not treat the Mission variety of almonds. Do not apply to almond trees propagated on plum rootstocks. Do not replant almonds or peaches in treated soil. Do not apply on gravelly, sandy, or loamy sand soil or on soil with less than 1% organic matter. Do not treat areas where water will accumulate (flood or furrow irrigation water should not be applied to any treated areas or allow to stand on treated areas).

Grapes: Do not use in vineyards established less than three years.

Grapefruit, Lemons, and Oranges: Do not use in the Imperial, Coachella, or Palo Verde Valleys. Do not use in nurseries. Do not apply to bedded grapefruit, lemons, or oranges. Do not apply to trees under stress from freeze damage for one year after the freeze.

Walnuts: Do not apply to sandy soil. Leveling and furrowing operations after application will lessen effectiveness of weed control.

DEVRINOL 4-F/PRINCEP 80-WP/PARAQUAT CL COMBINATION (California Only)

DEVRINOL 4-F/PRINCEP 80-WP will not control emerged weeds. PARAQUAT CL may be used to control existing weeds when applied prior to, or in combination with DEVRINOL 4-F/PRINCEP 80-WP.

For weeds controlled refer to the weed lists for DEVRINOL 4-F and DEVRINOL 4-F/PRINCEP 80-WP tank mix surface applied.

DIRECTIONS FOR USE

For control of all weeds listed, apply 1 gallon DEVRINOL 4-F, 0.6 to 1.25 pounds PRINCEP 80-WP, and 1 to 2 quarts PARAQUAT CL per broadcast acre.

Follow the use directions and recommendations for the DEVRINOL 4-F/PRINCEP 80-WP combination. Consult the PARAQUAT CL label for timing with respect to stage of weed growth and for application methods recommended to minimize crop injury.

RECOMMENDATIONS

For crop recommendations, read the section on DEVRINOL 4-F/PRINCEP 80-WP.

VEGETABLES AND TOBACCO

WEEDS CONTROLLED BY 1 TO 2 QUARTS DEVRINOL 4-F PER ACRE PREPLANT INCORPORATED APPLICATION

NOTE: DEVRINOL 4-F does not control established weeds.

ANNUAL GRASSES:

Barnyardgrass	(<i>Echinochloa</i> spp.)
Crabgrass	(<i>Digitaria</i> spp.)
Fall Panicum	(<i>Panicum</i>
	<i>dichotomiflorum</i>)
Goosegrass	(<i>Elymus indica</i>)
Johnsongrass	
Seedlings	(<i>Sorghum halepense</i>)

ANNUAL BROADLEAF WEEDS:

Carpetweed	(<i>Mollis verticillata</i>)
Common Purslane	(<i>Portulaca oleracea</i>)
Lambsquarters	(<i>Chenopodium album</i>)
Pigweed	(<i>Amaranthus</i> spp.)

ADDITIONAL WEEDS CONTROLLED BY DEVRINOL 4-F/TILLAM 6-E TANK MIX AT RECOMMENDED RATES:

ANNUAL GRASSES:

Bermudagrass	(<i>Cynodon dactylon</i>)
Footail (Yellow, Giant and Green)	(<i>Setaria</i> spp.)
Signalgrass	(<i>Brachiaria plicata</i>)
Wild Oats	(<i>Avena fatua</i>)
Millet	(<i>Setaria</i> spp.)

ANNUAL BROADLEAF WEEDS:

Henbit (Deadnettle)	(<i>Lamium amplexicaule</i>)
Nettleleaf Goosefoot	(<i>Chenopodium murale</i>)
Hairy Nightshade	(<i>Solanum villosum</i>)
Florida Pusley	(<i>Richardia scabra</i>)
Blackeyed Susan (Sweet Suzy)	(<i>Rudbeckia serotina</i>)
Shepherdspurse	(<i>Capsella bursa-pastoris</i>)

PERENNIAL WEEDS:

Yellow Nutsedge (Yellow Nutgrass)	(<i>Cyperus esculentus</i>)
Purple Nutsedge (Purple Nutgrass)	(<i>Cyperus rotundus</i>)

Existing stands of nutgrass must be turned under and chopped up thoroughly before treatment.

DIRECTIONS FOR USE OF DEVRINOL 4-F PRE-PLANT INCORPORATED

On flat-planted or bedded crops apply, before planting, to well-worked soil that is dry enough to permit thorough incorporation to a depth of 1 to 2

inches. Incorporate the same day as applied, using equipment which will result in uniform incorporation of the herbicide to the desired depth.

After harvest or prior to planting of succeeding crops, a deep moldboard or disc plowing operation must be carried out.

RECOMMENDATIONS

NOTE: All rates are given on a broadcast basis. Reduce rates proportionately for band or strip treatment.

TOMATOES (Direct Seeded and Transplanted)

Apply 1 to 2 quarts DEVRINOL 4-F per broadcast acre. Use the lower rate on light soil (coarse textured—sandy) and the higher rate on heavy soil (fine textured—clay).

PEPPERS (Direct Seeded and Transplanted)

Apply 1 to 2 quarts DEVRINOL 4-F per broadcast acre. Use the lower rate on light soil (coarse textured—sandy) and the higher rate on heavy soil (fine textured—clay).

TOBACCO (Transplanted)

Before transplanting, apply 1 to 2 quarts DEVRINOL 4-F per broadcast acre. Use the lower rate on light soil (coarse textured—sandy) and the higher rate on heavy soil (fine textured—clay).

To avoid injury to crops not specified on the label, do not plant until 12 months after the last DEVRINOL 4-F application.

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DEVIRINOL 4-F/TILLAM 6-E TANK MIX COMBINATION APPLIED PRE-PLANT INCORPORATED

A tank mix combination of DEVIRINOL 4-F and TILLAM 6-E can be applied and mixed (incorporated) into the soil before planting for weed control in tomatoes and tobacco.

IMPORTANT

Observe all cautions and limitations on labeling of all products used in combination.

Make only one application per season.

Do not contaminate water by cleaning of equipment or disposal of wastes.

In each case where a range of rates is given, the lower rates should be used on light (coarse) textured soils and soils low in organic matter. The higher rates should be used on heavy (fine) textured soils.

After harvest or prior to planting of succeeding crops a deep moldboard or disc plowing operation must be carried out.

DIRECTIONS FOR USE

The recommended tank mix controls weeds by interfering with normal seed germination and seedling development. It does not control established weeds. All weed growth and crop stubble should be thoroughly worked into the soil before treatment.

TANK MIX DIRECTIONS

Follow directions given in the sections DEVIRINOL 4-F GENERAL DIRECTIONS FOR USE and TANK MIXTURES—IMPORTANT.

APPLICATION DIRECTIONS

The soil should be well-worked and dry enough to permit good soil mixing (incorporation). Pour the recommended amounts of DEVIRINOL 4-F and TILLAM 6-E into a spray tank during the filling operations. Apply in 25 to 50 gallons of water per acre.

For soil incorporated applications, use a properly calibrated, low-pressure, boom-type sprayer having good agitation.

In irrigated areas, do not apply before pre-irrigation. For all band applications, reduce dosage proportionately depending upon row spacing and band to be treated. Do not use band application on rocky ground because thorough incorporation is not possible.

INCORPORATION DIRECTIONS

The herbicides must be mixed (incorporated) into the soil IMMEDIATELY after application to prevent loss by evaporation of TILLAM 6-E. Wherever possible, application and incorporation should be done in the same operation.

INCORPORATION BEFORE PLANTING

Use power-driven cultivation equipment set to cut to a depth of two to three inches in coarse soils and three to four inches in heavy soils OR a tandem disc set to cut to a depth of six inches, followed by a spiked-tooth harrow or some other leveling device which extends beyond ends of the disc. For thorough mixing, disc in two different directions (cross disc).

INCORPORATION AT PLANTING

Use power-driven cultivation equipment set to cut to a depth of two to three inches.

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PLANTING

Crops should be planted or seeded immediately after application and incorporation. Do not use a drag behind the planter as it may concentrate the herbicides over the seed row and cause crop injury.

CULTURAL PRACTICES FOLLOWING APPLICATION

Shallow cultivation may be necessary to control those susceptible weeds that escape control as well as those weeds not susceptible to either herbicide. Do not cultivate deeper than the depth of herbicide incorporation.

When cultivating fields where the tank mix has been banded in the row, use shields to prevent the movement of untreated soil into the treated row.

RECOMMENDATIONS

TOMATOES (Direct Seeded [California Only] and Transplanted)

Apply 1 to 2 quarts DEVIRINOL 4-F plus 2 1/2 to 4 quarts TILLAM 6-E per broadcast acre. Use the lower rates on light soils (coarse textured—sandy) and the higher rate on heavy soils (fine textured—clay). Do not use hotcaps on transplanted tomatoes.

TOBACCO (Transplanted)

Before transplanting, apply 1 quart DEVIRINOL 4-F plus 2 1/2 quarts TILLAM 6-E per broadcast acre.

To avoid injury to crops not specified on the label, do not plant until 12 months after the last DEVIRINOL 4-F application.

STORAGE AND DISPOSAL

STORAGE

Keep container closed when not in use. Store in a cool dry place. Do not store near seeds or fertilizer.

PRODUCT FREEZING TEMPERATURE -5 F (-20 C). Satisfactory utility may generally be restored after thawing and mixing a product which has frozen. Repeated freezing/thawing cycles may impair utility.

DISPOSAL

PROHIBITIONS: Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

PESTICIDE DISPOSAL: Wash spray equipment after use. Pesticide, spray mixture, or rinsate that cannot be used or chemically processed should be disposed of in a landfill approved for pesticides.

CONTAINER DISPOSAL: Do not reuse empty container. Dispose of in an incinerator or landfill approved for pesticide containers. Stay away from smoke or fumes.

GENERAL: Consult federal, state or local disposal authorities for approved alternative procedures such as limited open burning.

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This product is sold only for uses stated on the label. No express or implied license is granted to use or sell this product under any patent in any country except as specified. Country: United States of America. Patent No. 3,480,671; 3,718,455.

EPA Est No. 476-CA-1

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NOTICE—READ CAREFULLY

CONDITIONS OF SALE

Stauffer (and seller) offer(s) this product for sale subject to, and buyer and all users are deemed to have accepted, the following conditions of sale and warranty which may only be varied by written agreement of a duly authorized representative of Stauffer.

WARRANTY LIMITATION

Stauffer warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes referred to in the directions for use on the label subject to the inherent risks referred to below. Stauffer makes no other express warranties. THERE IS NO IMPLIED WARRANTY OF MERCHANTABILITY and there are no warranties which extend beyond the description on the label hereof.

INHERENT RISKS

The directions for use of this product are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks associated with use. Buyer assumes all risks associated with use or application of this product contrary to label instructions or resulting from extraordinary weather conditions.

LIMITATION OF LIABILITY

In no case shall Stauffer be liable for special, indirect or consequential damages resulting from the use or handling of this product and no claim of any kind shall be greater in amount than the purchase price of the product in respect of which such damages are claimed.