

TREES AND VINES

General Information

USE INFORMATION

PARAQUAT CONCENTRATE is a liquid formulation containing 3 lbs. of active ingredient per gallon. It contains a nontoxic odor to help prevent accidental ingestions. It also contains an emetic (an agent which will induce vomiting if the product is swallowed).

APPLICATION

PARAQUAT CONCENTRATE is a contact herbicide for control or suppression of a broad spectrum of emerged weeds including most small annual broadleaf and grass weeds. It can also be used to suppress perennial weeds by destroying green foliage and as a desiccant/ defoliant at harvest.

Complete coverage of target weeds is necessary to get good control because PARAQUAT CONCENTRATE is a contact-type herbicide. It is also necessary to obtain complete coverage for good crop desiccation and defoliations. Undesirable weed control and undesirable crop desiccation/defoliation will result if improper application technique and/or application to large, stressed, or mown weeds are made. Refer to the following details for specific application instructions.

Thorough coverage of all green foliage is required for efficacious weed control and crop defoliation and desiccation because PARAQUAT CONCENTRATE requires actively growing green plant tissue to function. Drought-stressed weeds, weeds with little green foliage (i.e., mowed or cut weeds), or mature woody bark of trees and vines are unaffected by application with PARAQUAT CONCENTRATE.

There is no residual soil activity to affect later-planted crops or later germinating weeds because clay and organic matter rapidly tie up PARAQUAT CONCENTRATE.

ROTATIONAL CROPS

After the last application PARAQUAT CONCENTRATE, all rotational crops may be planted immediately.

RAINFASTNESS

Rain occurring 30 minutes or more after application will have no effect on the activity of PARAQUAT CONCENTRATE because it is rapidly absorbed by the weed foliage.

USE OF A NONIONIC SURFACTANT OR CROP OIL CONCENTRATE

The following should always be added and be used at the recommended rates or there will be a reduction in efficacy of PARAQUAT CONCENTRATE.

Nonionic Surfactant: Either add a nonionic surfactant cleared for the current use containing 50-74% surface-action agent at 0.25% v/v (2 pts./100 gals.), or add nonionic surfactant containing 75% or more surface-active agent at 0.125% v/v (1 pt./100 gals.), of the finished spray volume for ground applications. Add a nonionic surfactant at 0.25% v/v (2 pts./100 gals.) of the finished spray volume for aerial applications.

Crop Oil Concentrate: For ground applications, add a nonphytotoxic crop oil concentrate cleared for the current use that contains 15-20% approved emulsifier, with 1.0% v/v (1 gal./100 gals.) of the finished spray volume. Add 1 pt. of crop oil concentrate per acre for aerial applications. For cotton harvest aid, do not use crop oil concentrate when using PARAQUAT CONCENTRATE.

APPLICATION TIMING

Applications should be made to small emerged weeds. Larger weeds more than 6 inches in height may be more difficult to control than weeds 1-6 inches in height. If possible, when green foliage is removed either from grazing or mowing, allow the weeds to grow 2-4 inches in height. Also, during harvesting forage or grain crops before spraying, weeds present in the field are also cut. Therefore, raise cutter bars as high as possible from the ground to cut stubble and weeds at a greater height, allowing sufficient green foliage to remain for applications.

BURNDOWN OF GRASS COVER CROPS OR VOLUNTEER CEREALS

The best results occur for control of grass cover crops or volunteer cereals when PARAQUAT CONCENTRATE is applied prior to tillering or after boot stage, especially with a wheat cover crop or volunteer wheat. Complete control may not be achieved with treatments made between tillering and boot stage. Complete control of perennial cover crops should not be expected.

ENVIRONMENTAL CONDITIONS

This product is active over a wide range of environmental conditions such as cool (below 55°F), cloudy or overcast weather. However these conditions will slow the activity of PARAQUAT CONCENTRATE.

SPOT SPRAYING

Refer to the following table if only small areas are to be sprayed with labeled applications.

Limitations, Restrictions, and Exceptions

TREES AND VINES

Minimum Total Spray Per Acre

- Ground: 10 gals.

Pre-Harvest Interval: Apricots 28, Cherries 28, Figs 13, Kiwi Fruit 14, Nectarines 28, Olives 13, Peaches 14, Pistachios 7, Plums 28

Additional Precautions, Restrictions and Directions

- Do not make more than 5 applications per year, except for: Apricots, Cherries, Kiwi Fruit, Nectarines, Peaches, Plums, no more than 3 applications per year; Olives, no more than 4 applications and Pistachios, no more than 5 applications but only 2 applications after shells split.

- Do not allow spray to make contact with green stems (except suckers), fruit or foliage.

- Use the shield or wrap plant when spraying around young trees or vines.

- Do not graze treated areas.
- Do not feed covered crops grown in treated areas to livestock.
- Do not apply when figs, nuts or olives to be harvested are on the ground.
- For apricots - Do not harvest within 28 days after application and do not exceed 3 postemergence directed applications per season.
- For cherries - Do not harvest within 28 days after application and do not exceed 3 postemergence directed applications per season.
- For figs - Do not harvest within 13 days after application and do not exceed 5 postemergence directed applications per season.
- For grapes - Treat when sucker growth is no more than 8" long. Late season applications to weeds should be made to avoid contact with desirable foliage.
- For kiwi fruit - Do not treat more than 3 times per year.
- For mature woody weeds, perennial weeds, late germinating weeds and green suckers, retreatment or spot treatment may be necessary.
- For nectarines - Do not harvest within 28 days after application and do not exceed 3 postemergence directed applications per season.
- For olives - Do not harvest within 13 days after application and do not exceed 4 postemergence directed applications per season.
- For peaches - Do not harvest within 14 days after application, and do not exceed 3 postemergence directed applications per season.
- For pistachios - Do not exceed 2 applications after shells split.
- For plums - Do not harvest within 28 days after application and do not exceed 3 postemergence directed applications per season.

Method

[Broadcast/Foliar Ground](#)

[Directed](#)

[Spray](#)

Rates

[field_rates 0](#)

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Restricted Entry Interval

12 hours

Timings

[Preplant](#)