



CARBARYL 95 SPRAYABLE

A Wettable Powder for Control of Insect Pest
on Cotton, Soybeans, Apples and Pears.

ACTIVE INGREDIENT: Carbaryl (1-naphthyl methycarbamate) 95%

REGISTERED
AUG 11 1981
19713-84

INERT INGREDIENTS: 5%

**KEEP OUT OF THE REACH OF CHILDREN
CAUTION**

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

HARMFUL IF SWALLOWED. Avoid Breathing of Spray. Do Not Take Internally. Avoid Contact with Skin and Eyes. Wear regular long-sleeved work clothing. Change to clean clothing daily. Wash hands and face before eating. Wash thoroughly after handling.

NOTE TO PHYSICIAN: Carbaryl is a moderate, reversible, cholinesterase inhibitor. Atropine is antidotal. Do Not Use 2-PAM, opiates or cholinesterase inhibiting drugs.

Statement of Practical Treatment

IF SWALLOWED - Induce vomiting by placing finger on back of throat. Call a physician. Never give anything by mouth to an unconscious person.
IF ON SKIN - Remove contaminated clothing and wash skin with soap and plenty of water. If irritation develops get medical attention.
IF IN EYES - Immediately flush eyes with plenty of water for at least 15 minutes. If irritation develops get medical attention.

Environmental Hazards

This product is toxic to fish. Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of wastes. Do not apply when weather conditions favor drift from areas treated.

BEE CAUTION - May kill honeybees in substantial numbers. This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Extension Service. Do not use when the value of honeybees as pollinators is more important than insect control. Before applying, warn beekeepers to locate hives beyond bee flight range until one week after application or to take other equally effective precautions.


EPA Reg #19713-84
EPA Est #19713-MS-1

**NET CONTENTS GALLONS
LITERS**



Manufactured by
Drexel Chemical Company Memphis, Tennessee

Carbaryl 95 Sprayable is a dry powder for dispersion in water and application as an insecticidal spray in hydraulic sprayers, mist blowers, low-gallonage ground equipment and aircraft. USE IN STRICT ACCORDANCE WITH LABEL DIRECTIONS AND CAUTIONS.



Special Directions for Preparing Low-Gallonage Spray: In low-gallonage ground equipment: Use 50-mesh or coarser screens in entire system; nozzles should be cone type, number 3 or larger. Use clean equipment. Put about 3/4 of the required water volume in the spray tank. Close off booms, start pump and maintain moderate by-pass agitation while slowly adding the proper amount of Carbaryl 95 Sprayable. Add remaining water and continue to recirculate until suspension is uniform; then apply using at least 3 gallons per acre of the prepared spray. After spraying, flush tank and lines with clear water.

For aircraft application: For preparing spray in mixing or storage tank, follow above directions. To maintain uniform suspension, recirculate at intervals and before pumping into aircraft tank. For best results, use clean equipment and apply at least 1 gallon per acre of the prepared spray. After spraying, flush tanks and lines with clear water.

Combination spray mixtures in low-gallonage equipment and aircraft: Physical compatibility of Carbaryl 95 Sprayable with other pesticides in low-gallonage mixtures is not fully known. Before preparing large amounts, combinations should be tested by fully dispersing Carbaryl 95 Sprayable, then adding the other pesticide and the remaining portion of water. DO NOT USE MIXTURES THAT CURDLE OR PRECIPITATE. Incompatibility will reduce insect control and may cause mechanical difficulties or plant injury. Use caution when applying concentrate spray mixtures. Under adverse growing conditions, combinations of Carbaryl 95 Sprayable with some phosphate pesticides may cause foliar injury.

COMPATIBILITY

1. Carbaryl 95 Sprayable has been effectively used without plant injury with most common insecticides, miticides, fungicides, nutrients, adjuvants and with petroleum oil as used on citrus.
2. Compatibility can be affected by water in your locality, various surfactants and other formulation ingredients. Possible plant injury may occur under adverse conditions such as high humidity, drought, improper fertilization, etc.
3. Do not mix Carbaryl 95 Sprayable with nutrients, adjuvants and other pesticides unless your experience indicates that the mixture is effective and will not result in plant injury. If uncertain, prepare a small amount of the mixture and test on a representative portion of the crop.
4. Unstable under highly alkaline conditions. Not effective if used with alkaline materials such as Bordeaux, lime, lime sulfur and casein-lime spreaders.

GENERAL CAUTION

1. To avoid possible injury on tender foliage, do not apply when foliage is wet or when rain or excessive humidity is expected during the next 2 days.
2. Does not control spider mites but is compatible with most common miticides.

IMPORTANT PRE-HARVEST AND GRAZING USE INFORMATION AND LIMITATIONS

Tolerances established under the Federal Food, Drug and Cosmetic Act permit the sale of crops bearing probable Carbaryl 95 Sprayable residues when Carbaryl 95 Sprayable is used in accordance with label directions. Pre-harvest and grazing use limitations are listed at the end of the directions for each crop use. Where no pre-harvest or grazing time limitations are stated, application can be made to the day of harvest and crops can be grazed without time delay if directions for use on the crops are followed.

If Carbaryl 95 Sprayable Insecticide is used in accordance with label directions, forage and feed crops, cotton forage, soybean hay, may be grazed or harvested for use as feed for dairy and meat animals without resulting in residues in milk or meat.

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

IMPORTANT: The directions on this label are based on tests and field experience relating to (a) effectiveness; and (b) possible injury to plants and animals; and (c) residues in food, feed, meat and milk. Follow directions for most effective use.

FORAGE, FIELD AND VEGETABLE CROP CONTROL

Recommended dosages refer to pounds of Carbaryl 95 Sprayable per acre. Where a dosage range is indicated, use lower rate on young plants, higher rates on mature plants. Use sufficient spray gallonage to obtain full coverage. This will usually vary from 3 to 40 gallons per acre depending on equipment, degree of insect infestation, and stage of crop growth. Keep spray mixtures well agitated. Apply when insect or their damage appears and repeat at 7 to 14 day intervals as necessary unless shorter intervals are specified below.

Cotton - Use .60 to 1 pounds for early season thrips, flea beetles, cotton fleahopper, striped blister beetle and cotton leafworm. Use 1 to 2.10 pounds depending on the size of the cotton and insect population level, for mid and late season boll weevil, bollworms, fall armyworm, cotton leafperforator, leafrollers, leafhoppers, and tarnished plant bug and for light-to-moderate infestations of lygus bugs in Western irrigated cotton. Application should be made every 5 to 7 days as long as control is necessary. For improved bollworm control, add 1 gallon of blackstrap molasses (feed grade) per acre in a spray volume not to exceed 20 gallons per acre.

To avoid staining lint, do not use molasses after bolls open. Use 1.70 to 2.60 pounds for pink bollworm on a 5 to 7 day schedule depending on the size of the cotton and degree of infestation. Use 2.10 pounds for stink bugs and saltmarsh caterpillar. APHID populations will be suppressed by repeated applications of this insecticide. May be applied after bolls open.

Soybeans - For light to moderate populations in Southeastern states only: Use .60 pounds for velvetbean caterpillar, green cloverworm, bean leaf beetle, cucumber beetles and Mexican bean beetle. Use .60 to .85 pounds for corn earworm. For clean-up of existing populations: Use .60 to 1 pounds for blister beetles and Mexican bean beetle. Use 1 pound for alfalfa caterpillar, bean leaf beetle, cucumber beetles, green cloverworm, Japanese beetle, leafhoppers, threecornered alfalfa hopper, thrips and velvetbean caterpillar. Use 1 to 1.70 pounds for armyworm, corn earworm, webworms and stink bugs.

WARNING! Do not apply a combination of Carbaryl 95 Sprayable and 2,4DB herbicide (such as "Butyrac" 175 or "Butoxone" SB) to soybeans.

Apples and Pears - Application of Carbaryl 95 Sprayable within 30 days after full bloom may provide apple thinning; to avoid this, delay use until at least 30 days after after bloom. Foliar injury may result from combination with summer oils west of the Rocky Mountains or when used before second cover on York and McIntosh apples east of the Rocky Mountains.

WEST OF THE ROCKY MOUNTAINS: Use .85 to 1 pound for apple aphid, woolly apple aphid, bagworms, California pearslug (pear sawfly), codling moth, apple rust mite, pearleaf blister mite, pear rust mite, eyespotted bud moth, green fruitworm, lygus bugs, orange tortrix, pear psylla, tentiform leafminers, lecanium scales, oystershell scale and San Jose scale. For optimum scale control, apply when crawlers are present. For psylla control, apply when eggs hatch or when young nymphs are present. When heavy aphid infestations are present, repeated applications may be necessary for optimum control.

EAST OF THE ROCKY MOUNTAINS: Use .60 pounds for apple mealybug, apple aphid, codling moth and white apple leafhopper. When heavy aphid infestations are present, repeated applications may be necessary for optimum control. Use 1 pound for apple maggot, bagworms, eastern tent caterpillar, European apple sawfly, eyespotted bud moth, fruit tree leafroller, green fruitworm, Japanese beetle, pear psylla, periodical cicada, plum curculio, redbanded leafroller, rosy apple aphid, woolly apple aphid, apple rust mite, pearleaf blister mite, pear rust mite, tarnished plant bug, tentiform leafminers, Forbes scale, lecanium scales, oystershell scale and San Jose scale. For optimum scale control, apply when crawlers are present. To control rosy apple aphids, apply before leaves are curled. Do not apply within 1 day of harvest of apples and pears.

Apple Thinning - Many factors influence the degree of apple thinning obtained with Carbaryl 95 Sprayable. These include tree age, variety, nutrition, previous crop, pruning, degree of set, bloom, weather and use of other chemical thinners. When any of these favor reduced fruit set, caution should be observed in applying Carbaryl 95 Sprayable so that excessive thinning and possible yield reduction will not occur. Recommended dosages refer to pounds of Carbaryl 95 Sprayable per 100 gallons dilute spray. Concentration: Use .30 to .85 pounds on easily-thinned varieties. Apply for full coverage. On hard-to-thin varieties, use .85 to 1 pound.

TIMING: Apply in one spray timed between 10 and 25 days after full bloom.

VARIETAL RESPONSE:: Easily-thinned varieties include Cortland, Grimes, Jonathan, McIntosh, Orleans, Rome Beauty, Puritan, Red Delicious, Winesap and Yellow Newton. Difficult-to-thin varieties include Baldwin, Ben Davis, Duchess, Early McIntosh, Golden Delicious, Lady Apple, Northern Spy, Rhode Island Greening, Steele Red, Turley, Wealthy, Yellow Transparent and York Imperial.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal

STORAGE: Store in a cool, dry location away from food and feed stuffs.

PESTICIDE DISPOSAL: Pesticide, spray mixture or rinsate that cannot be used according to label instructions must be disposed of according to Federal, State or local procedures under the Resource Conservation and Recovery Act.

PAPER AND PLASTIC BAGS: Dispose of bags according to approved Federal, State or local procedures under the Resource Conservation and Recovery Act.

WARRANTY

The manufacturer guarantees and warrants (a) that the active ingredient content and the total net weight are as stated within lawful limits and (b) that the directions, warnings and other statements on this label are based upon responsible experts' evaluation of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants, and of residues on food crops, and upon reports of field experience. Tests have not been made on all varieties or in all states.

The manufacturer further warrants that the material herein is reasonably fit for use under normal conditions as directed hereon. The manufacturer neither makes nor authorizes any agent or representative to make any other warranties of FITNESS or MERCHANTABILITY, guarantee or representation, express or implied, concerning this material. This product is sold only on the basis that buyer assumes all risks of use or handling whether or not based on negligence, shall be greater in amount than the purchase price of the material in respect of which such claim is made. In no event shall manufacturer or sell be liable for special, indirect or consequential damages resulting from the use or handling of this material. No modification of this warranty and disclaimer is authorized, except by specific reference to them in writing by an employee of the manufacturer.

Carbaryl 95 Sprayable is manufactured for Drexel Chemical Company, Memphis, Tennessee.