

STORE IN COOL, DRY PLACE

READ ENTIRE LABEL. USE STRICTLY IN ACCORDANCE WITH CAUTIONS, WARNINGS AND DIRECTIONS, AND WITH APPLICABLE STATE AND FEDERAL REGULATIONS.

Keep pesticide in original container. Do not put concentrate or dilute into food or drink containers.

USE DESIGNATED AMOUNT OF PRODUCT IN THE FOLLOWING GALLONS WATER PER ACRE UNLESS OTHERWISE NOTED:

GROUND APPLICATION—Vegetable and Field Crops—30 to 250 gals.

Cotton—3 to 20 gals. Deciduous Fruit Crops—60 to 800 gals.

Citrus—400 to 3,000 gals. (On Young Fruit Plantings—Use a minimum of 15 gals. water per acre).

Where Recommended for AIR APPLICATION—Field Crops 3 to 10 gals.

Begin application at first sign of insects. Repeat as necessary. Do not apply within 4 days of harvest unless otherwise noted. Do not use with highly alkaline materials such as lime or bordeaux.

MIXING DIRECTIONS: Add to spray tank when $\frac{1}{4}$ to $\frac{1}{2}$ full with agitator running and maintain agitation until spraying is completed.

BEANS (Dry or Field), **SOYBEANS**, **LIMA BEANS AND PEAS** for Processing: Alfalfa Looper, Aphids, Spider Mites, Lygus, Leaf Miner; **GREEN BEANS**: Aphids, Spider Mites, Loopers, Nitidulids, Leafhoppers—1 pt. per acre in water to cover. 100 gals. per acre is preferable. Large Loopers, Stink Bugs— $\frac{1}{2}$ pts. per acre in water to cover.

BROCCOLI, **CABBAGE**, **CAULIFLOWER**, **BRUSSELS SPROUTS**, **KALE**, **COLLARDS**: Imported Cabbageworm, Diamond-Back Caterpillars, Aphids—1 pt. per acre. Looper—2 pts. per acre. May be used 1 day before harvest, except do not apply to kale and collards within 4 days of harvest.

CELERY: Aphids, Loopers, Armyworms, Salt Marsh Caterpillars, Leaf Miners—Use ground application only with fine mist spray—1 pt. in 50 to 75 gals. water per acre on plants less than $\frac{3}{4}$ grown. On larger plants use $\frac{1}{2}$ pts. in 100 to 150 gals. water per acre.

COTTON: Lygus— $\frac{1}{2}$ to 1 pint per acre by air or ground. Leaf Perforator, Flea Hoppers, Armyworms, Bollworms, Loopers, and for suppression of Mites—1 pt. per acre by air or ground. Apply at 7 to 10 day intervals while pests persist.

CUCUMBERS, **SUMMER SQUASH**: Cucumber Beetles, Aphids, Spider Mites, Loopers, Thrips, Armyworms—1 pt. per acre in water to cover. Pickleworms, Leaf Miners— $\frac{1}{2}$ pts. per acre in water to cover. By Air—Use minimum of 10 gals. water per acre. May be used up to harvest.

EGGPLANT, **PEPPERS**: Aphids, Spider Mites, Blister Beetles, Flea Beetles, Leaf Miners, Whitefly—1 pt. per acre. May be used up to 1 day before harvest.

WALNUTS: Aphids— $\frac{1}{2}$ to 1 pt. to 100 gals. water. Use up to 10 days of harvest.

GRAPES: Drosophila, Leafhoppers— $\frac{1}{2}$ to $\frac{3}{4}$ pt. per 100 gals. water. (100 to 130 gals. diluted spray per acre depending on size of vines.) Use only $\frac{1}{2}$ pt. per 100 gals. water on Muscat varieties. Do not use on Italia varieties as fruit injury may occur.

HOPS: Aphids, Spider Mites, Corn Earworm, Hop Looper, Cutworm—1 pt. per acre.

LETTUCE, **SPINACH**, **CHARD**, **TURNIP GREENS**: Aphids, Loopers, Armyworms, Salt Marsh Caterpillars, Leaf Miners—Use ground application only with fine mist spray—1 pt. in 50 to 75 gals. water per acre on plants less than $\frac{3}{4}$ grown. On larger plants, use $\frac{1}{2}$ pts. in 100 to 150 gals. water per acre. May be used 1 day before harvest.

MELONS (Cantaloupes, Honeydew, Muskmelons, Watermelons), **PUMPKINS**, **WINTER SQUASH**: Loopers, Armyworms, Leafhoppers, Spider Mites, Leaf Miners—1 to 2 pts. per acre (200 gals. diluted spray per acre). May be used 1 day before harvest. Do not apply when temperature is over 90° F.

ORANGES, **LEMONS**, **GRAPEFRUIT**, **TANGERINES**: Aphids, Soft Brown Scale Crawlers, Mites, Citrus Cuckoo, worms, Leaf Roller (Tortrix)—1 pt. to 100 gals. water. Thrips (Bloom)— $\frac{1}{2}$ pt. per 100 gals. water. Use up to 7 days of harvest. (Calif. and Ariz.—Do not apply within 1 day of harvest.)

PEACHES (Western States Only): Lygus, Spider Mites, Peach Twig Borer, Oriental Fruit Moth (California Only)— $\frac{3}{4}$ pt. to 100 gals. water. To avoid fruit spotting, do not use within 30 days of harvest. Do not apply when temperature is over 90° F.

RICE: Grasshoppers— $\frac{1}{2}$ to $\frac{3}{4}$ pt. per acre. Apply at first sign of insects. Do not make more than 3 applications. May be used 2 days before harvest. This product is toxic to fish, shrimp, crayfish and crabs. Do not apply where these are important resources.

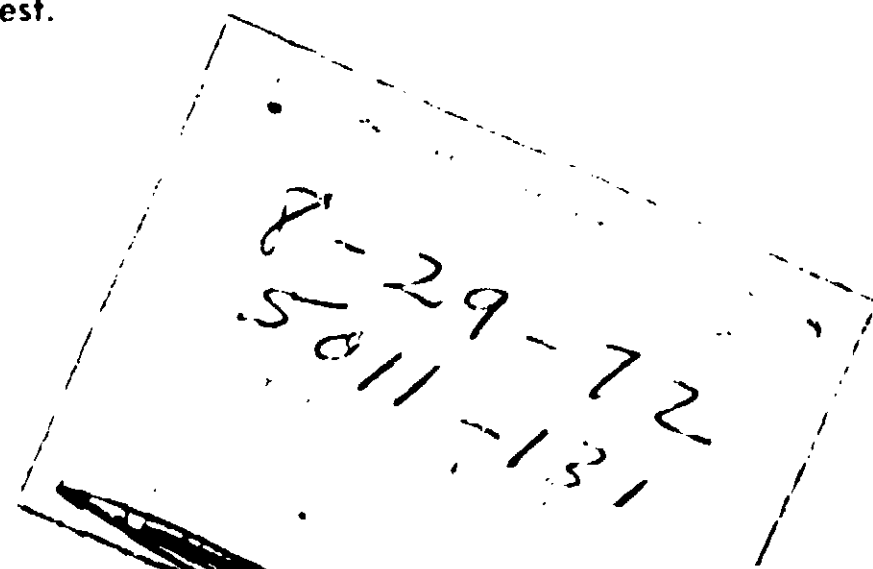
STRAWBERRIES: Leaf Roller, Spider Mites, Aphids, Omnivorous Leaf Tier, Spittlebugs (Northwest)—1 pt. per acre. May be used 1 day before harvest.

SUGAR BEETS: Spider Mites, Leafhoppers—1 pt. per acre by air or ground. By Air—Use in 1 to 5 gal. water per acre. Do not apply within 5 days of harvest.

TOBACCO: Hornworm—1 pt. to 100 gals. water, using up to 200 gals. diluted spray per acre. Flea Beetles—1 pt. per acre in water to cover. Apply at first signs of insects. Repeat as necessary.

TOMATOES (Field): Fruit Flies (Drosophila)—1 pt. in no less than 40 gals. water per acre with ground sprayer, 7 to 10 gals. by air. Make first application 5 to 7 days before first picking and continue at 5 to 7 day intervals until the day before harvest. (Field and Greenhouse): Tomato Fruit Worm, Hornworms, Leaf Miners, Flea Beetles, Mites—1 pt. in 100 gals. water. Spray plants thoroughly. For Field—Use up to 200 gals. diluted spray per acre. Do not apply when temperature is over 90° F. May be used 1 day before harvest.

GREENHOUSE, VAPOUR TREATMENT OF ROSES: OTHER ORNAMENTAL PLANTS, TOMATOES, CUCUMBERS: Spider Mites, Adult Whiteflies, Aphids, Leafrollers, Mealybugs—1 fluid ounce per 10,000 cu. ft. when plants are dry. Apply undiluted on heat pipes (or in open pans on hot plates). Apply continuously or in intermittent sections of pipe on each side and on 1 or more of the pipes through center of each range depending upon width. Application to cold pipes should be followed by immediately heating pipes to 160° F. In steam heated houses, close vents for at least 1 hour after pipes are hot. With hot water systems, close house for at least 3 hours. Houses may remain closed overnight following treatment. When application is made to hot pipes, wear goggles and approved respirator. Ventilate house before worker re-enters. Wear respirator when entering treated houses to ventilate. Protect hives of bees in cucumber and other houses by covering with plastic or rubber sheet during treatment and until house is ventilated. Do not apply to tomatoes or cucumbers closer than 1 day before harvest. Spider Mites (Resistant and Non-resistant)—Make 3 to 4 treatments at 3 or 4 day intervals. Repeat as necessary. **ADULT WHITEFLIES; ROSES, OTHER ORNAMENTAL PLANTS, TOMATOES, CUCUMBERS**: Make 2 applications at 7 day intervals. Repeat as necessary. Aphids—Apply when aphids appear. Repeat as necessary. **WARNING**—Avoid overtreatment and direct application to plants as injury may result. White Butterfly and Golden Rapture roses, Pink Champagne Chrysanthemums, Green Wandering Jew, Poinsettias and Dutchman's Pipe may be injured by CARMEL FORMULA MU-23 vapor.



PAPKINS, WINTER SQUASH: Loopers, per acre (200 gals. diluted spray per acre if temperature is over 90° F.

Scale Crawlers, Mites, Citrus Cut- 1/2 pt. per 100 gals. water. Use up to 10 days before harvest.)

ch Twig Borer, Oriental Fruit Moth do not use within 30 days of harvest.

sects. Do not make more than 3 applications per acre on fish, shrimp, crayfish and crabs. Do not use on

f Tier, Spittlebugs (Northwest)—1 pt. per acre.

ground. By Air—Use in 1 to 5 gals. per acre.

gals. diluted spray per acre. Flea beetles. Repeat as necessary.

10 gals. water per acre with ground before first picking and continue at 5 to 10 gals. per acre (5 to 10 gals. per acre if temperature is over 90° F. May be used 1 day before harvest.)

PLANTS, TOMATOES, CUCUMBERS: 1 fluid ounce per 10,000 cu. ft. when temperature is over 90° F. (Use on hot plates). Apply continuously or to hot pipes through center of each range pipe by immediately heating pipes to 150° F. until pipes are hot. With hot water system, apply overnight following treatment. When using hot water system, ventilate house before workers enter. Protect hives of bees in cucumber and melon and until house is ventilated. Do not use on Spider Mites (Resistant and Non-resistant). **ADULT WHITEFLIES; ROSES,** applications at 7 day intervals. Repeat as necessary. **WARNING—**Avoid overtreatment of Pear and Golden Rapture roses, Pink and Dutchman's Pipe may be injured

FRUIT FLIES (*Drosophila* sp.) in and around **Food Processing Plants, Loading Docks, Cull Piles and Refuse Areas, Cider Mills, Wineries**—Use 2 ounces in 2 1/2 gals. water (5 pints to 100 gals.) as a coarse spray to walls, floors, doorways, windows, refuse and cull piles where insects congregate. Apply every 5 to 7 days as necessary. Do not apply to cull fruit or refuse piles to be fed to livestock. Avoid contamination of feeds, foodstuffs and food processing machinery. Do not use in edible products areas of food processing plants, restaurants or other areas where food is commercially prepared or processed. Do not use in serving areas while food is exposed.

ADULT MOSQUITO, Gnat, STABLEFLY (Dog Flies), AND **HOUSEFLY CONTROL—RESIDENTIAL AREAS, CROPS LISTED ON LABEL, TIDAL MARSHES, SWAMPS, WOODLAND, AND FEED LOTS:** Consult your State Fish and Game Agency before applying this product. It is not necessary to avoid farm buildings and dairy barns. Make applications during peak of infestation and repeat as necessary. See crop recommendations for use limitations near harvest. This rate of application will kill shrimp. Do not apply to tidal or marsh waters which are important shrimp producing areas. **AIRCRAFT:** East—Apply 0.8 to 4 fluid ozs. per acre. Dilute 1/2 to 2 1/2 pts. in 10 gallons of water. Apply 2 to 8 quarts of diluted spray per acre. West—Apply 1.6 to 4 fluid ozs. per acre. Dilute 1 to 2 1/2 pts. in 10 gallons of water. Apply 2 to 8 quarts of diluted spray per acre. **MIST OR COLD FOG:** Use 3 to 5 qts. per 100 gals. water. Calibrate equipment (rate of travel and output) to apply 0.1 to 0.25 lb. technical Naled per acre.

CAUTION: Concentrate may cause skin damage. Do not get on skin, eyes or clothing. Use waterproof gloves and face shield or goggles when handling concentrate. Harmful if swallowed. Avoid breathing spray mist. In case of contact, immediately remove contaminated clothing and flush skin or eyes with plenty of water; for eyes, get medical attention.

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

Do not spray on Nectarines, ornamental Cherries, Liquidambar or Chrysanthemums as injury may occur. Do not store diluted spray. Make new dilution for each use. Wash equipment thoroughly after use.

Keep children and animals off treated areas.

This product is highly toxic to bees exposed to direct treatment or residues on crops. Protective information may be obtained from your Cooperative Agricultural Extension Service.

This product is toxic to fish, shrimp, crayfish, crabs and other aquatic invertebrates, birds and other wildlife. Keep out of lakes, streams, or ponds. Do not apply when weather conditions favor drift of spray from areas treated. Rinse equipment and containers and dispose of wastes by burying in non-crop lands away from water supplies. Containers should be disposed of by breaking and burying with wastes.

NOTICE

Seller makes no warranty other than specified on this label. The buyer agrees that the seller shall not be responsible or liable for injury to crop; soil, person, or property arising from careless or improper use or handling of the product. Please use in accordance with seller's directions.

Net Contents:

CARMEL FORMULA MU-23

E.P.A. Reg. No. 5011-131

A highly concentrated emulsifiable insecticide to be diluted with water, for use in hydraulic sprayers.

NALED INSECTICIDE

ACTIVE INGREDIENTS:

*Naled (1,2-dibromo-2,2-dichloroethyl dimethyl phosphate)	58%
Xylene	20%

INERT INGREDIENTS:

	22%
Total	100%
*Contains 8 pounds technical naled per gallon equivalent to 7.2 pounds naled. U. S. Pat. No. 2,971,882	

READ THE LABEL

CAUTION

KEEP OUT OF REACH OF CHILDREN

See side panel for additional cautions. When container is empty, immediately wash thoroughly and destroy. Never re-use.



MANUFACTURED BY

Carmel Chemical Corporation

BOX 406, WESTFIELD, INDIANA 46074

