

CYTHON® ULV CONCENTRATE can be effectively applied with conventional aircraft spray equipment by making a few minor modifications in the plumbing and boom assembly.

PUMP

Pumps capable of producing pressures of 40 to 50 psi will be satisfactory. A bleed line at least 3/16 inch in diameter should be installed on the high point of the impeller chamber to release trapped air. This line should bleed back to the top of the tank above the liquid level.

BY-PASS

A by-pass is required from the spray pump outlet to the spray pump inlet. This line must be equal in diameter to the pump outlet and should contain a valve controllable from the cockpit that will permit adjustments of boom pressure in flight. The by-pass commonly used to recirculate CYTHON® ULV CONCENTRATE to the spray tank must be closed to avoid aeration of the insecticide.

BOOM AND NOZZLE PLACEMENT

The distance between the left and right outboard nozzles should be at least 3/4 of the wing span. The total number of nozzles used should be equally spaced across this span if the aircraft is flown at twenty feet or higher. Trailing edge booms are desirable and the nozzles should be placed on boom where pilot can readily see them to check any plugging of nozzles during spray operation. A bleed line at least 3/16 inch in diameter should be attached to the outer end of each boom and routed back to the top of the spray tank but above the liquid level. This line will bleed off pressures and assure sharp cut-off. If a nozzle is placed at each end of boom as many Ag Cat spray booms are assembled, this bleed line is not necessary.

NOZZLES

Use at least 4 to 6 flat fan nozzles, such as Spraying Systems 8001, 80015 or 8002 for small aircraft, such as Piper Pawnees and Stearmans. For aircraft operating at 150 mph or faster, use 10 to 14 8010 or 8015 flat fan nozzles. Nozzles should be pointed straight downward on small aircraft and straight back for faster aircraft. Use #100 mesh screens with 8001, 80015 and 8002 nozzles and a large-volume 50-mesh screen should be used in spray systems. No screens are required for the 8010 or 8015 nozzles. Diaphragm check valves should be used on each nozzle to insure positive cut-off of spray during flight. Do not use cone nozzles.

Rotary atomizers, commonly known as Mini-Spin nozzles, developed by the Plant Pest Control Division, USDA, can be substituted for the flat fan nozzles. Use the same flat fan nozzle tips as mentioned above when using the Mini-Spin nozzle.

DIRECTIONS FOR USE

CYTHON® ULV CONCENTRATE is used undiluted for ultra-low volume aerial applications to control adult corn rootworm, beet leafhopper, blueberry maggot, cereal leaf beetle, cotton boll weevil, flies, grasshoppers and mosquitoes as specified below. Aerial applications should be made at altitudes of 20 to 25 feet.

NOTE: CYTHON® ULV CONCENTRATE may cause spotting on automobile paint finish if prolonged exposure is permitted. Cars should not be sprayed directly. If accidental exposure does occur, the car should be washed immediately.

ALFALFA, CLOVER, COTTON, PASTURE AND RANGE GRASS, GRASS AND GRASS HAY, SAFFLOWER, SOYBEANS, SUGAR BEETS AND NONAGRICULTURAL LANDS (wastelands, roadsides, soil bank lands).

SPRINGBOK CHEMICAL CO.



CYTHON[®]
INSECTICIDE
THE PREMIUM GRADE MALATHION[®]
*TRADEMARK OF AMERICAN CYANAMID COMPANY

ACCEPTED

JAN 1975

BY THE U.S. DEPT. OF AGRICULTURE
PLANT AND SOIL INSECTICIDE ACT
FOR ECONOMIC POISON REGISTER
NUMBER NO. 12434-5 SUBJECT
TO ATTACHED COMMENTS.

ULV CONCENTRATE INSECTICIDE

CAUTION KEEP OUT OF REACH OF CHILDREN

Active Ingredient:

*Malathion 95%

Inert Ingredients: 5%

*O,O-Dimethyl Dithiophosphate of Diethyl Mercaptosuccinate

(One gallon contains 9.7 pounds of CYTHON)

"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, and crabs. Keep out of lakes, streams, ponds, tidal marshes and estuaries. Do not apply where runoff is likely to occur. Do not apply when weather conditions favor drift from areas treated. Do not contaminate water by cleaning of equipment, or disposal of wastes. Apply this product only as specified on this label."

HARMFUL BY SWALLOWING, INHALATION, OR SKIN CONTACT

Avoid Breathing Spray Mist

Avoid Contact With Skin

Wash Thoroughly After Handling

Change Contaminated Clothing

Do Not Contaminate Food or Feed Products

Highly toxic to fish. Do not contaminate any body of water, by direct application, cleaning of equipment or disposal of wastes and containers.

On soybeans, make no application on corn, within 5 days of harvest or On safflower, make no application v On sugar beets make no applicatio for food.

BLUEBERRIES (grown in Mic

For control of blueberry maggot c CYTHON® ULV CONCENTRATE applications as necessary. No waiting period is necessary betw

GRASSES (unspecified)

For control of cereal leaf beetle o THION® ULV CONCENTRATE w Spring. Repeat application within young larvae. Make no application on cereal crops On grasses, may be applied on day o

CORN:

For control of adult corn rootwo CYTHON® ULV CONCENTRATE sary. Make no application on corn v

ALFALFA, CLOVER, PASTURE GRASS HAY, BEANS, RICE, TOM LANDS (wastelands, roadsides, soil

Adult mosquitoes and flies --- Appl at the rate of 2 to 4 fluid ounces for c 8 fluid ounces per acre for control necessary.

On alfalfa, clover, pasture and ran applied on day of harvest or grazin bloom.

On corn make no application with rice, within 7 days of harvest; on be vest.

NONAGRICULTURAL LAND

For control of beet leafhopper on CYTHON® ULV CONCENTRATE (CONSULT STATE AGRICULTUR ING OF SPRAYS.)

Before using CYTHON® ULV CO malathion insecticides, manufacture Company for manufacturing and sa DISPOSAL OF DRUMS: Drain dru 1 cup of detergent and 12 pounds c wet all surfaces and let stand for at l rinse several times with water. Tigh drum conditioner having burning e

COMBUSTIBLE MIXTURE, KI

DO NOT USE, POUR, SPILL OR

SELLER makes no warranty of any the use of this product. BUYER ass ther in accordance with directions or

SPRINGBOK CHEMICAL CO.



CYTHION

THE PREMIUM GRADE MALATHION

ULV CONCENTRATE
INSECTICIDE

AG 7-1-57

15434-5

CAUTION

KEEP OUT OF REACH OF CHILDREN

Apply to plants with the following insects on them:
Aphids, Beetles, Caterpillars, Fleas, Flies, Grasshoppers,
Hoppers, Lice, Mosquitoes, Sawflies, Spiders, and
Weevils.

BLUEBERRIES (Apply to plants with the following insects on them):

Aphids, Beetles, Caterpillars, Fleas, Flies, Grasshoppers,
Hoppers, Lice, Mosquitoes, Sawflies, Spiders, and
Weevils.

GRASSES (unmowed)

Apply to plants with the following insects on them:
Aphids, Beetles, Caterpillars, Fleas, Flies, Grasshoppers,
Hoppers, Lice, Mosquitoes, Sawflies, Spiders, and
Weevils.

CORN

Apply to plants with the following insects on them:
Aphids, Beetles, Caterpillars, Fleas, Flies, Grasshoppers,
Hoppers, Lice, Mosquitoes, Sawflies, Spiders, and
Weevils.

ALFALFA, CLOVER, PASTURE AND RANGE GRASSES, AND
GRASS HAY TEANS (Apply to plants with the following insects on them):

Aphids, Beetles, Caterpillars, Fleas, Flies, Grasshoppers,
Hoppers, Lice, Mosquitoes, Sawflies, Spiders, and
Weevils.