

PM 19 34704-796

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U.S. ENVIRONMENTAL PROTECTION AGENCY  
Office of Pesticide Programs  
Registration Division (H7505C)  
401 "M" St., S.W.  
Washington, D.C. 20460

EPA Reg. Number: 34704-796  
Date of Issuance: FEB 11 1997

NOTICE OF PESTICIDE:  
  X   Registration  
       Reregistration

Term of Issuance: Until Reregistration

Name of Pesticide Product: Metaspray 5E

(under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):  
Platte Chemical Company  
150 South Main Street  
Fremont, Nebraska 68025-5697

Notif Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act.

Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

This product is conditionally registered in accordance with FIFRA sec. 3(c)(7)(A) provided that you:

1. Submit and/or cite all data required for registration of your product under FIFRA sec. 3(c)(5) when the Agency requires all registrants of similar products to submit such data; and submit acceptable responses required for reregistration of your product under FIFRA section 4.
2. Make the following label changes:
  - a. Revise the EPA Registration Number to read, "EPA Reg. No. 34704-796".
  - b. Delete the front panel statement, "Important! If pesticide comes in contact with skin..." This information belongs in the Statement of Practical Treatment.
  - c. In the Environmental Hazards section, replace "disposal of wastes" with "disposal of equipment washwaters."

Signature of Approving Official:  
  
DHE  
  
Dennis H. Edwards, Jr.  
Product Manager 19  
Insecticide-Rodenticide Branch  
Registration Division (7505C)

Date:  
  
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- d. Correct the typographical error in the product removal instructions, i.e. "Micro Matic."
  - e. Delete the following statement: "Dealers Should Sell in Original Packages Only."
  - f. In the directions for use on artichokes, delete the reentry statement, "Workers should not re-enter fields for 7 days following treatment."
  - g. Our review of the Confidential Statement of Formula indicates that the Ingredients Statement is not consistent with the formulation. Since the technical is 77% pure with 3% related compounds, we would expect the label claim to be 51.59% and 2.01% respectively (67 x 77%, and 67 x 3%, when 670 pounds of technical is used in a 1000 pound product). We are unsure how you have derived your label claims. Please correct the label Ingredients Statement and submit revised copies, or submit an explanation for your values within 30 days of the date of this notice.
  - h. A footnote should be added to the Ingredients Statement to indicate that this product contains 5 pounds of methyl parathion per gallon.
3. Submit five copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

Sincerely,

DHE

Dennis H. Edwards, Jr.  
Product Manager 19  
Insecticide-Rodenticide Branch  
Registration Division (7505C)

Enclosure

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# RESTRICTED USE PESTICIDE

Due to very high acute toxicity to Humans and Birds  
For retail sale to and use only by certified applicator or persons under their direct supervision and only for those uses covered by the certified applicator's certification. Direct supervision for this product is defined as the certified applicator being physically present during application, mixing, loading, repair and cleaning of application equipment. Commercial certified applicators must also ensure that all persons involved in these activities are informed of the precautions.

**RESTRICTED USE COMMENTS**  
in EPA Letter Dated

FEB 11 1997

Under the Federal Insecticide, Fungicide, and Rodenticide Act as amended, for the pesticide registered under EPA Reg. No.

34704-196

# METASPRAY 5E

Organophosphate Insecticide	
ACTIVE INGREDIENTS	By Weight
O,O-dimethyl O-p-nitrophenyl thiophosphate*	50.92%
Related Products	2.58%
INERT INGREDIENTS	46.40%
TOTAL 100.00%	
*Methyl Parathion	

area or where there is danger of drift. Do not rub eyes or mouth with hands. If you feel sick in any way, STOP work and get help right away. See First Aid (Statement of Practical Treatment) section.

**IMPORTANT!** If pesticide comes in contact with skin, wash off with soap and water and contact a physician immediately. Respirators must be cleaned and filters replaced according to instructions included with the respirators. DURING AERIAL APPLICATION, HUMAN FLAGGERS ARE PROHIBITED.

**STOP! READ THE LABEL**

**KEEP OUT OF REACH OF CHILDREN**

**DANGER POISON**  
**PELIGRO** 

If usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

See Below For Statement of Practical Treatment, Antidote and Additional Precautionary Statements  
**NOT FOR HOME USE**

EPA REG. NO. 34704-T & A  
EPA EST. NO.

NET CONTENTS \_\_\_\_\_ GAL. ( \_\_\_\_\_ L)  
5979 EXP 1R/87



**CAN KILL YOU IF SWALLOWED**

This product can kill you if swallowed even in small amounts; spray mist may be fatal if swallowed.



**CAN KILL YOU BY SKIN CONTACT**

This product can kill you if touched by hands or spilled or splashed on skin, in eyes or on clothing (liquid goes through clothes).



**CAN KILL YOU IF BREATHED**

This product can kill you if vapors or spray mist are breathed.

**PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**DANGER**

**WORK SAFETY RULES**

The National Pesticide Telecommunication Network is available for recommendations regarding poisoning management, emergency treatment, and other information regarding the toxicity of methyl parathion. The toll free number for the National Pesticide Telecommunication Network is 1-800-858-7378.

If handled indoors provide mechanical exhaust ventilation. Keep all unprotected persons, children, livestock, and pets away from treated

**Personal Protective Equipment:**

Some materials that are chemical-resistant to this product are listed below. If you want more options, follow the instructions for category (F) on the EPA chemical resistance category selection chart.

Applicators and other handlers (other than mixers and loaders) must wear: coveralls worn over long-sleeved shirt and long pants, chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber or viton; chemical-resistant footwear plus socks, protective eyewear and chemical-resistant headgear for overhead exposure. For exposures in enclosed areas, a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G). For exposures outdoors, dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C). Mixers and loaders must wear: coveralls worn over long-sleeved shirt and long pants, chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber or viton; chemical-resistant footwear plus socks, protective eyewear, chemical-resistant headgear and chemical-resistant apron when mixing or loading. For exposures in enclosed areas, a respirator with either an organic vapor-removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G). For exposures outdoors, dust/mist filtering respirator (MSHA/NIOSH approval number prefix TC-21C). Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

**Engineering controls statements:**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets with requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

### USER SAFETY RECOMMENDATIONS

Users should:  
Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.  
Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.  
Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### POISON SIGNS (Symptoms)

METHYL PARATHION is a very dangerous poison. It rapidly enters the body on contact with all skin surfaces and eyes. Clothing wet with this material must be removed immediately. Exposed persons must receive prompt medical treatment or they may die. Some of the signs and symptoms of poisoning are: Headache, nausea, vomiting, cramps, weakness, blurred vision, pin-point pupils, tightness in chest, labored breathing, nervousness, sweating, watering of eyes, drooling or frothing of mouth and nose, muscle spasms and coma.

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**METASPRAY 5E**  
EPA REG. NO. 34704-

**STATEMENT OF PRACTICAL TREATMENT**

Call a doctor (physician), clinic or hospital immediately. Explain that the victim has been exposed to parathion and describe his condition. IF BREATHING HAS STOPPED, start artificial respiration immediately and maintain until doctor sees victim.

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

IN CASE OF CONTACT, immediately flush eyes or skin with plenty of water for at least 15 minutes. See doctor immediately.

**SPECIAL INSTRUCTIONS FOR RESTRICTED USE PESTICIDE RETAILERS:** In addition to any other required records, restricted use pesticide retailers must record at the time of sale the unique container identification number on this label or container and identity of the purchaser of the container.

**NOTE TO PHYSICIAN**

**ANTIDOTE**—Administer atropine sulfate in large doses. TWO TO FOUR mg. intravenously or intramuscularly as soon as cyanosis is overcome. Repeat at 5 to 10 minute intervals until signs of atropinization appear. 2-PAM chloride is also antidotal and may be administered in conjunction with atropine. DO NOT GIVE MORPHINE OR TRANQUILIZERS. Parathion is a strong cholinesterase inhibitor affecting the central and peripheral nervous systems and producing cardiac and respiratory depression. At first sign of pulmonary edema, the patient should be given supplemental oxygen and treated symptomatically. Continued absorption of the poison may occur and fatal relapses have been reported after initial improvement. VERY CLOSE SUPERVISION OF THE PATIENT IS INDICATED FOR AT LEAST 48 HOURS.

**ENVIRONMENTAL HAZARDS**

This pesticide is highly toxic to aquatic invertebrates and wildlife. Birds in treated areas may be killed. For terrestrial uses, do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Runoff and drift from target areas may be hazardous to aquatic organisms in adjacent aquatic sites. Do not contaminate water by cleaning of equipment or disposal of wastes.

This product is highly toxic to bees exposed to direct treatment or residues on blooming crops or weeds. Do not apply this product or allow it to drift to blooming crops or weeds if bees are visiting the treatment area.

**PHYSICAL AND CHEMICAL HAZARDS**

Do Not Use, Pour, Spill or Store  
Near Heat or Open Flame.

**DIRECTIONS FOR USE**

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

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This Standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours.

Each 48 hour REI is increased to 72 hours in outdoor areas where average rainfall is less than 25 inches a year.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is: coveralls worn over long-sleeved shirt and long pants, chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber or viton; chemical-resistant footwear plus socks, protective eyewear and chemical-resistant headgear for overhead exposure.

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

**STORAGE AND PESTICIDE DISPOSAL**

**PROHIBITIONS:** Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited. Do not reuse empty container.

**STORAGE:** Store in a cool, dry place. **COMBUSTIBLE**—do not use or store near heat or open flame. Keep pesticide in original container. Not for use or storage in or around the home.

**PESTICIDE DISPOSAL:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Returnable/Refillable Sealed Container: Do not break seals or add any material to the container. Do not rinse container or empty any residue from container. This container must be returned intact after use to the point of purchase.

**NOT FOR HOME USE**

DO NOT USE IN A MANNER OR AT A TIME OTHER THAN IN ACCORDANCE WITH LABEL DIRECTIONS BECAUSE ANIMAL, PLANT OR CROP INJURY, ILLEGAL RESIDUES OR OTHER UNDESIRABLE RESULTS MAY OCCUR.

**REMOVAL OF PRODUCT FROM CONTAINER**

This container is fitted with the MICRO MATIC "DV" liquid transfer valve system. To remove product, use the MICRO MATIC coupler attachment, which is available from the seller of this container. The directions below must be followed:

**To Connect Coupler:**

1. Attach pump hose to chemical pump.
2. Attach pump hose to coupler.
3. With coupler handle in disengaged position, insert coupler straight down into the drum valve, ensuring that the pins on the coupler align with the slots on the valve.
4. Turn coupler handle clockwise a quarter turn, until it locks into place.
5. Push down coupler handle to engage, ensuring that the lock bar clicks into place.

**To Disconnect Coupler:**

1. Press down on coupler and disconnect the lock bar. Allow coupler handle to raise to its disengaged position.
2. Turn Coupler handle counter clockwise a quarter turn. Lift coupler straight up.

If you have any questions or need assistance, please call your Distributor or 1-800-548-6113

**Dealers Should Sell in  
Original Packages Only**

**APPLICATION INSTRUCTIONS**

Use only according to label USE DIRECTIONS. Do not apply this product through any type of irrigation system.

**Direction for Mixing and Spraying**

**DIRECTIONS FOR MIXING:** Mix in water with agitation; agitate while spraying. Use designated amount of product in the following gallons of water per acre unless otherwise noted: **Vegetable and Field Crops**—20 to 250 gallons by ground, 5 to 10 gallons by air.

**THIS MATERIAL IS AN AGRICULTURAL PESTICIDE FOR USE BY GROUND OR AIR EQUIPMENT FOR THE FOLLOWING USES:**

**ALFALFA (Hay):** Spotted Alfalfa Aphid—1/2 pint per acre. Alfalfa Weevil—4/5 pint per acre. Do not apply within 15 days of harvest. Do not apply if the crop or weeds in the treatment area are in bloom.

**ALFALFA (Seed):** Lygus Bugs, Stink Bugs—1 1/2 pints per acre. Aphids, Leafhoppers—4/5 pint per acre. Do not apply within 15 days of harvest. Do not apply during periods of bee activity. Do not apply if the crop or weeds in the treatment area are in bloom.

**ARTICHOKES:** Aphids, Fleabeetles—1 to 1 1/2 pints per acre. Do not apply within 7 days of harvest. Artichoke Plume Moth—1 1/2 pints per acre. For control of Artichoke Plume Moth: if plants are cut in April and May, begin application after September and repeat at 14- to 21-day intervals as needed through December; 30-day intervals through January and February; 14-day intervals from March through the end of the picking season. Workers should not re-enter fields for 7 days following treatment. Do not apply within 7 days of harvest.

**BEANS (Dry, Green, and Lima):** Aphids, Armyworms (up to 3rd Instar), Fleahoppers, Leafhoppers, Red Spider Mites—1 to 2 pints per acre. Do not apply within 15 days of harvest to dry beans. Do not apply within 21 days of harvest for Green and Lima Beans. Do not apply to beans if the crop or weeds in the treatment area are in bloom.

**BEETS:** Aphids, Leafhoppers—1 pint per acre. Stink Bugs—1 1/2 pints per acre. Do not apply within 15 days of harvest.

**BROCCOLI, BRUSSELS SPROUTS, CABBAGE, COLLARD, CALLIFLOWER, KALE:** Aphids, Armyworms (up to 3rd Instar), Fleahoppers,

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Leafhoppers, Red Spider Mites—1 to 2 pints per acre. Do not apply to listed Cole crops within 21 days of harvest.

**CARROTS, POTATOES:** Aphids, Fleabeetles, Leafhoppers, Red Spider Mites—Use 1 to 1 1/2 pints per acre. On Carrots—Do not apply within 15 days of harvest. Do not feed Carrot tops. On Potatoes—Do not apply within 5 days of harvest.

**CELERY, PEAS:** Aphids, Leafhoppers, Fleabeetles, Lygus Bugs—3/4 to 1 1/2 pints per acre. Do not apply within 15 days of harvest. PEAS: To avoid injury to bees, do not apply if bees are visiting the areas to be treated when crop or weeds are in bloom.

**COTTON:** Cotton Fleahoppers, Aphids, Stink Bugs—1 to 4 pints per acre. Cotton Bollworm—Use 1 3/5 pints per acre. Red Spider Mites—4/5 pint per acre. At rates of 4/5 pint through 1 3/5 pints, application may be made up to the day before harvest, if harvest will be with mechanical pickers and if handpicking there is a 5 day interval. Mechanical pickers must be used with a 7 day preharvest interval at rates above 1 3/5 pints through 4 pints.

**LETTUCE:** Aphids, Fleabeetles, Leafhoppers—1 to 1 1/2 pints per acre. Cabbage Loopers—1 3/5 pints per acre. Do not use within 21 days of harvest.

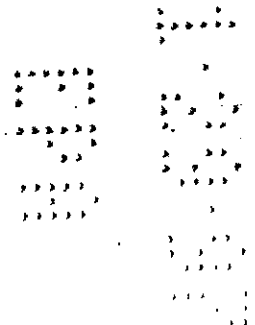
**SPINACH:** Cabbage Loopers—1 to 1 1/2 pints per acre. Do not use within 21 days of harvest.

**BAR CODE or UNIQUE IDENTIFYING NUMBER**  
Will be placed either on label or on container.

**NOTICE TO BUYER**

PLATTE WARRANTS THAT THIS PRODUCT CONFORMS TO THE CHEMICAL DESCRIPTION ON THE LABEL THEREOF AND IS REASONABLY FIT FOR THE PURPOSES STATED ON SUCH LABEL ONLY WHEN USED IN ACCORDANCE WITH THE DIRECTIONS UNDER NORMAL USE CONDITIONS. IT IS IMPOSSIBLE TO ELIMINATE ALL RISKS INHERENTLY ASSOCIATED WITH THE USE OF THIS PRODUCT. CROP INJURY, INEFFECTIVENESS, OR OTHER UNINTENDED CONSEQUENCES MAY RESULT BECAUSE OF SUCH FACTORS AS WEATHER CONDITIONS, PRESENCE OF OTHER MATERIALS, OR THE MANNER OF USE OR APPLICATION, ALL OF WHICH ARE BEYOND THE CONTROL OF PLATTE. IN NO CASE SHALL PLATTE BE LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER.

EXCEPT AS EXPRESSLY PROVIDED HEREIN, PLATTE MAKES NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND, EITHER EXPRESSED OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO, MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE, BUYER'S OR USER'S EXCLUSIVE REMEDY, AND PLATTE'S TOTAL LIABILITY, SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.



FORMULATED FOR  
**PLATTE CHEMICAL CO.**  
150 SO. MAIN STREET      FREMONT, NEBRASKA 68025-5697