

67702-11

04/18/2000

1/14



U.S. ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF PESTICIDE PROGRAMS
 1200 Pennsylvania Avenue
 Washington, DC 20460-0001

EPA Reg. Number
 67702-11

Date of Issuance
APR 18 2000

Term of Issuance
 Conditional

Name of Pesticide Product
 NEU 1128

NOTICE OF PESTICIDE

 X Registration
 Reregistration
 (under FIFRA, as amended)

Name and Address of Registrant (include ZIP Code):

W. Neudorff GmbH KG
 Postfach 1209, An der Muhle 3
 D-31860 Emmerthal, Germany

Note: 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/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 sec. 4.
2. Replace "EPA Reg. No. 67702-RR" with "EPA Reg. No. 67702-11" on page 9 and 13.

A stamped copy of the label is enclosed for your records. Submit one (1) copy of your final printed labeling before you release the product for shipment. 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. Should you have any questions, do not hesitate to contact me at 703-605-0368.

Signature of Approving Official:

S. Oonnithan, Ph.D.
 Insecticide Rodenticide Branch
 Registration Division (7505C)

Date:

APR 18 2000

2/14

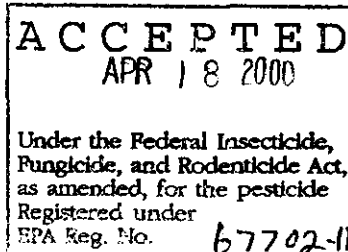
NEU 1128

Active Ingredient	By Wt.
Potassium Salts of Fatty Acids	47%
Other Ingredients	53%
Total	100%

KEEP OUT OF REACH OF CHILDREN

WARNING AVISO

[COMMERCIAL / AGRICULTURE USES]



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

FIRST AID

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

IF IN EYES

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.

IF ON SKIN

Call a poison control center or doctor for treatment advice. Take off contaminated clothing.

Rinse skin immediately with plenty of water for 15-20 minutes.

Call a poison control center or doctor for treatment advice.

NET CONTENTS: 1, 2 ½, 5, 20, 30 and 55 gallons

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals: WARNING. Causes substantial but temporary eye injury. Causes skin irritation. Do not get in eyes, on skin or on clothing. Wear protective eye gear (goggles, face shield, or safety glasses). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

Personal Protective Equipment (PPE) Requirements

Handlers who may be exposed to the concentrate through mixing, loading, application, and other tasks must wear:

- protective eyewear;
- coveralls worn over short-sleeved shirt and short pants;
- chemical-resistant footwear and socks;
- chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride and vitron;
- chemical resistant headgear for overhead exposure; and
- chemical-resistant apron when cleaning equipment, mixing or loading.

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. When mixing and loading, wear a chemical resistant apron. When cleaning application equipment, add a chemical resistant apron. Follow the manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

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.

Environmental Hazards: This product may be hazardous to aquatic invertebrates. Do not apply directly to water, areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

Bee Hazard: This product is toxic to bees exposed to direct treatment. Do not apply this product while bees are visiting the treatment area.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store this product in its original container and keep in a secure storage area out of reach of children and domestic animals.

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

CONTAINER DISPOSAL: (1) Plastic Containers - Triple rinse (or equivalent). Then

offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke. (2) Metal Containers – Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

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), restricted-entry interval, and notification to workers. 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 area during the restricted-entry interval of 12 hours

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 over short-sleeved shirt and short pants; chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride and vitron, chemical-resistant footwear and socks; protective eyewear; and chemical-resistant headgear for overhead exposure.

Non-Agricultural Use Requirements

The requirements of this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural workers (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

DIRECTIONS FOR MIXING

For 2% formulation mix 2 gal of product/100 gal of water (4.07 lb Tech/gal). Add sufficient water to the mixing tank to allow proper agitation by pump or paddles. Continue stirring while adding first the NEU 1128 then the remaining water.

Hard water in excess of 300 ppm should be conditioned to reduce its hardness prior to mixing with NEU 1128.

TANK MIXING

NEU 1128 may be combined with other pesticides to broaden the target spectrum, improve the level of kill, provide residual kill and enhance coverage. When used as a tank-mix, observe all directions for use, crops, use rates, dilution ratios, precautions, and limitations, which appear on the tank mix product label. Follow the label directions for the most restrictive of label precautions and limitations. This product should not be mixed with any product, which prohibits such mixing. Tank mixtures are permitted only in those states where the tank mix partner is registered. For tank mixing with companion pesticides, NEU 1128 should be used at a rate of 1% formulation (1 gallon of product to 100 gallons of water). For example, certain caterpillars and leaf feeding beetles (e.g. Elm leaf beetle) can be controlled with tank mixes of 1 gallon of NEU 1128 concentrate per 100 gallons of water plus a standard pesticide.

Order of Tank Mixing:

- water
- water conditioner (if needed)
- conventional pesticides : add other products in the following order: water-soluble bags, wettable powders, dry flowables, liquid flowables, ECs, and soluble materials such as fertilizers.
- NEU 1128

Also, if appropriate, give a Tank Mix Compatibility Test: Using a 2 quart jar, add the proportionate amounts of the products (in the order recommended above) to 1 qt water. After thorough mixing, let it stand for 5 minutes. If the combination remains mixed or can be re-mixed readily, it is compatible. Once compatibility is proven, use the same procedure for adding required products to the spray tank.

Manzate, dithane, and sulfur products are incompatible with NEU 1128. Wait at least 3 days before using NEU 1128 in an area previously treated with a sulfur product.

Do not allow tank mixes to sit for long periods. Mix and spray as soon as possible.

NEU 1128 alone only requires stirring prior to use. Tank mixes of NEU 1128 with

other pesticides should continue to be stirred throughout use. If using equipment without pump or paddle, shake often during use. Flush fluid in sprayer hose lines back into the tank if stirring is interrupted.

APPLICATION INSTRUCTIONS

For field applications apply 2% formulation, 2 gal of product/100 gal of water (4.07 lb Tech/gal), at a rate of 75 to 200 gal/acre (6.10 to 16.26 lbs ai/acre) using ground spray equipment. For best results commence treatment when infestation is first noticed. Thoroughly spray insect pests on plants with diluted product to wetting. Minimize run-off to reduce plant injury on sensitive plants. NEU 1128 is a contact spray and is effective in its liquid state. Pests need to be contacted with spray solution to be effective. Efforts should be made to thoroughly reach all plant parts including undersides of leaves.

Repeat treatment every one to two weeks as needed. Apply to a maximum of three consecutive applications to ensure plant injury does not occur. Additional applications may be possible if previous experience with repeat applications of the product under the same conditions have not produced plant injury.

May be used on edible crops up to and including day of harvest after a minimum spray interval of 12 hours.

PESTS/SITES

NEU 1128 will control insect pests such as: adelgids (woolly aphids), aphids, lacebugs, mealybugs, mites, leafhoppers, scale insects, plant bugs, sawfly larvae (e.g. pear and rose slugs), psyllids, tent caterpillars, spider mites and whitefly.

Crop	Pest
Fruit trees such as: apples, apricots, cherries, nectarines, peaches, pears, plums, and prunes Nut trees such as: pecans and almonds	aphids, mites, plant bugs, leafhoppers, mealybugs, psyllids, sawfly larvae (pear slugs), scale insects, spider mites, tent caterpillars
Citrus	aphids, mealybugs, mites, scale insects
Olives	aphids, scale insects, spider mites

Additional recommendations for this use:

- For tent caterpillars apply at a rate of 3% formulation (3 gal of product/100 gal of water) directly on larvae.

- Do not exceed a maximum spray volume of 400 gal/acre on apples.
- Use with care on pears after delayed dormant stage due to potential for fruit marking.
- Do not exceed a maximum rate of 100 gal/acre on smooth skinned stone fruit up to fruit formation.
- Do not exceed a maximum rate of 175 gal/acre on peaches.
- Do not use on yellow skinned nectarines.
- If sooty mold is present on citrus, application of product may result in fruit marking.

Crop	Pest
Small fruits (grapes, strawberry, blueberry, raspberry, cranberry)	aphids, mealybugs, mites, scale insects, leafhoppers, plant bugs

Additional recommendations for this use:

- Do not use on table grapes once they become 6-7 mm in diameter (removes waxy bloom) or use at lowest recommended rate (75 gal/acre).

Crop	Pest
Ornamental and shade trees (flower and foliage plants, birch, flowering cherry, dogwood, evergreens, hawthorn, holly, magnolia, maple, oak, flowering peach, privet, pyracantha, sycamores)	aphids, lacebugs, mealybugs, mites, plant bugs, psyllids, sawfly larvae, leafhoppers, spider mites, whiteflies, woolly aphids (adelgids), tent caterpillars
Flowering, foliage, bedding plants and houseplants - greenhouse and outdoors	aphids, lacebugs, mites, scale insects, spider mites, leafhoppers, whiteflies, sawfly larvae (rose slugs)

Additional recommendations for this use:

- For tent caterpillars apply at a rate of 3% formulation (3 gal of product/100 gal of water) directly on larvae.
- For Cooley spruce gall adelgids apply at a rate of 4% formulation (4 gal of product/100 gal of water). Test for tree sensitivity before applying at this rate. Applications in early spring before bud break or in the fall on hardened off foliage is recommended.

Crop	Pest

Alfalfa, canola, cotton, peanuts, soybeans, tobacco, wheat	aphids, fleahoppers, mites, plant bugs, whiteflies
Gorn (field, sweet)	aphids
Sugar beets	mites, aphids
Vegetables - field and greenhouse (e.g. asparagus, beans, beets, broccoli, Brussel sprouts, cabbage, cauliflower, celery, collards, corn, cucurbits, eggplant, herbs and spices, kale, lettuce, lima beans, melon, mustard greens, peas, potatoes, peppers, radishes, spinach, squash, tomatoes, turnips)	aphids, mites, plant bugs, whiteflies
Hops, banana, pineapple	aphids, leafhoppers, mealybugs, spider mites, plant bugs, scale insects and whiteflies.

Additional recommendations for this use:

- To control green peach aphid, tank mixing with another pesticide is necessary.
- When applications are made in less than 25 gallons of water per acre, use 2 quarts of product per acre.

USE RESTRICTIONS

Do not spray when plants are under stress. Do not apply to new seedlings and transplants without determining sensitivity (phytotoxicity) first. Avoid spraying during full sun. Spray early in morning or evening or when overcast. Do not apply to evergreens during drought and use with care when tender new foliage is present. If concerned about sensitivity of plants, apply to individual plants or small areas and wait a couple days to determine if plant damage occurs prior to treatment of larger areas.

Do not use on sweet peas, nasturtiums, delicate ferns or Calmeria and Italia varieties of grapes.

Use with care when used on azaleas, bleeding heart, camelia, corn, euphorbia, fuchsia, gardenia, geraniums, impatiens, hawthorn, horse chestnut, jade plant, Japanese maple, lantana, mountain ash, ornamental ivy, palms, succulents. Sensitivity varies with plant varieties. If concerned about sensitivity of plants, apply to individual plants or small areas of plants and wait to determine if plant damage (phytotoxicity) occurs before treating larger areas.

Use with care on blooms. Determine sensitivity before spraying.

Poinsettias may be sensitive. Do not apply after coloring of bracts has begun.

NOTICE TO BUYER

Seller warrants that this product conforms to the chemical description on this label and is reasonably fit for purposes stated on this label only when used in accordance with directions under normal use conditions. This warranty does not extend to use of this product contrary to label directions, or under abnormal use conditions, or under conditions not reasonably foreseeable to seller. Buyer assumes all risk of any such use. Seller makes no other warranties, either expressed or implied.

Marketing claims and product information that may be presented on the container or supplemental wording:

- Ideal for organic growers.
- Does not persist in the environment.
- Contact insecticide.
- For use on vegetables, fruit and nut trees, citrus, berries, ornamentals, shrubs, flowers, and trees in homes, gardens and greenhouses.
- Can be used in vegetable gardens.
- Patented technology
- Unique, patented formula.
- Read Entire Container Label Before Using This Product.
- **CONTROLS:** Adelgids, aphids, grasshoppers, lacebugs, mealybugs, mites, plant bugs, leafhoppers, psyllids, sawfly larvae, scale insects, tent caterpillars, thrips, whitefly and other listed pests.
- Satisfaction Guaranteed
- Unconditionally Guaranteed
- Easy to Use
- Insecticide/Miticide
- Ideal as part of an Integrated Pest Management System
- Compatible with Biological Control Agents, Beneficial Insects and Mites

General Information: NEU 1128 can be used to treat plants prior to biological control agent release and to treat "hot spots" for pest control in greenhouses with subsequent release of beneficial mites and insects.

Mode of Action: NEU 1128 is a contact killer for both insect and mite pests. It penetrates the body of pests and results in rapid death. NEU 1128 kills pests by disrupting membrane and cellular function.

- NEU 1128 contains specially selected fatty acid salts (soaps) chosen for effective control of plant pests. NEU 1128 has been formulated to provide optimum spreading.

- NEU 1128 is effective against the adult, larval and nymph stages of pests. Pupal stages of some pests (e.g. whitefly) may also be affected.

NEU 1128 LABEL
9/12

10/14

Registrant: W. Neudorff GmbH KG
Postfach 1209, An der Mühle 3,
D-31860 Emmerthal, Germany

For information on NEU 1128, call 250-656-5555, Monday through Friday, 9 am to 5 pm PST.

EPA Reg. No.: 67702-

EPA Est. No.: 67702-WG-1

Patent #: 5,631,290

NEU 1128

Active Ingredient	By Wt.
Potassium Salts of Fatty Acids	47%
Other Ingredients	53%
Total	100%

KEEP OUT OF REACH OF CHILDREN

WARNING

[HOUSEHOLD USE]

FIRST AID

Have the product container or label with you when calling a poison control center or doctor or going for treatment.

IF IN EYES	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.
IF ON SKIN	Call a poison control center or doctor for treatment advice. Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

NET CONTENTS 8 oz, 16 oz, 1 qt., ½ gallon, 1 gallon

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals: **WARNING.** Causes substantial but temporary eye injury. Causes skin irritation. Do not get in eyes, skin or on clothing. Wear protective eye gear (goggles, face shield, or safety glasses). Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse.

Environmental Hazards: This product may be hazardous to aquatic invertebrates. Do not apply directly to water, areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters.

Bee Hazard: This product is toxic to bees exposed to direct treatment. Do not apply

this product while bees are visiting the treatment area.

STORAGE AND DISPOSAL

STORAGE: Store this product in its original container and keep in a secure storage area out of reach of children and domestic animals.

DISPOSAL: Securely wrap original container in several layers of newspaper and discard in trash.

DIRECTIONS FOR USE

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

Please read entire label before using. Use only as directed. May be used on edible crops up to and including day of harvest after a minimum spray interval of 12 hours.

DIRECTIONS FOR MIXING

For 2% formulation mix 4 teaspoons of concentrate with 1 quart of water (or 2 oz. concentrate with 3 quarts of water). Shake well before use.

CONVERSIONS

1 fluid ounce	6 teaspoons
1 pint	16 fluid ounces
1 quart	2 pints (32 fl. oz.)
1 gallon	4 quarts (128 fl. oz.)

PESTS/SITES AND APPLICATION INSTRUCTIONS

NEU 1128 will control insect pests such as: adelgids (woolly aphids), aphids, lacebugs, mealybugs, mites, grasshoppers, leafhoppers, scale insects, plant bugs, sawfly larvae (pear and rose slugs), psyllids, tent caterpillars, thrips, spider mites and whitefly.

Apply a 2% diluted product using hand-held trigger sprayers, hand sprayers or backpack sprayers. Thoroughly spray insect pests on plants to wetting with diluted product. Repeat treatment weekly or bi-weekly if needed. NEU 1128 is a contact insecticide and is effective in its liquid state. Efforts should be made to thoroughly reach all plant parts including undersides of leaves.

For use indoors, outdoors and in greenhouses on fruit and nut trees (e.g., apples, cherries, peaches, pears, pecans, almonds); corn; soybeans; melons; tomatoes; vegetables (e.g., beans, cabbage, cucurbits, peas, potatoes); figs; small fruits (e.g., grapes, strawberry, raspberry); citrus; houseplants, flowering, foliage and bedding plants; ornamental and shade trees (e.g., birch, evergreens, holly, oak).

USE RESTRICTIONS

Do not use on sweet peas, nasturtiums, delicate ferns.

Do not spray when plants are under stress. Use with care on new seedlings, transplants and blooms. Avoid spraying during full sun. Spray early in morning or evening or when overcast. Soap spray may cause marking of some varieties. If concerned about sensitivity of plants, apply to individual plants or small areas of plants and wait to determine if plant damage (phytotoxicity) occurs prior to treatment of larger areas.

NOTICE TO BUYER

Seller warrants that this product conforms to the chemical description on this label and is reasonably fit for purposes stated on this label only when used in accordance with directions under normal use conditions. This warranty does not extend to use of this product contrary to label directions, or under abnormal use conditions, or under conditions not reasonably foreseeable to seller. Buyer assumes all risk of any such use. Seller makes no other warranties, either expressed or implied.

Marketing claims and product information that may be presented on the container or supplemental wording:

- Ideal for organic growers.
- Does not persist in the environment.
- Contact insecticide.
- For use on vegetables, fruit and nut trees, citrus, berries, ornamentals, shrubs, flowers, and trees in homes, gardens and greenhouses.
- Can be used in vegetable gardens.
- Patented technology
- Unique, patented formula.
- Read Entire Container Label Before Using This Product.
- CONTROLS: Adelgids, aphids, grasshoppers, lacebugs, mealybugs, mites, plant bugs, leafhoppers, psyllids, sawfly larvae, scale insects, tent caterpillars, thrips, whitefly and other listed pests.
- Satisfaction Guaranteed
- Unconditionally Guaranteed
- Easy to Use
- Insecticide/Miticide
- Ideal as part of an Integrated Pest Management System
- Compatible with Biological Control Agents, Beneficial Insects and Mites

General Information: NEU 1128 can be used to treat plants prior to biological control agent release and to treat "hot spots" for pest control in greenhouses with subsequent release of beneficial mites and insects.

Mode of Action: NEU 1128 is a contact killer of both insect and mite pests. It penetrates the body of pests and results in rapid death. NEU 1128 kills pests by disrupting membrane and cellular function.

NEU 1128 contains specially selected fatty acid salts (soaps) chosen for effective control of plant pests. NEU 1128 has been formulated to provide optimum spreading.

NEU 1128 is effective against the adult, larval and nymph stages of pests. Pupal stages of some pests (e.g. whitefly) may also be affected.

Registrant: W. Neudorff GmbH KG
Postfach 1209, An der Mühle 3,
D-31860 Emmerthal, Germany

For information on NEU 1128, call 250-656-5555, Monday through Friday, 9 am to 5 pm PST.

EPA Reg. No.: 67702-

EPA Est. No.: 67702-WG-1

Patent #: 5,631,290