

55146-78

07/30/2004

1/8

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Typy™

Plant Growth Regulator Solution

Active Ingredients

N-(phenylmethyl)-1H-purine-6-amine 1.8% w/w

Gibberellins A₄A₇ 1.8% w/w

Other Ingredients 96.4% w/w

Total 100.0% w/w

KEEP OUT OF REACH OF CHILDREN

WARNING / AVISO

Si 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.)

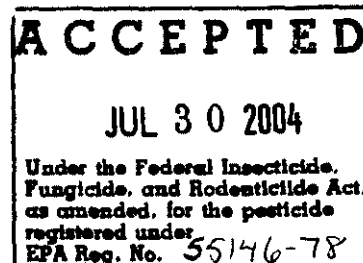
SEE INSIDE FOR ADDITIONAL PRECAUTIONARY AND FIRST AID STATEMENTS

EPA Reg. No. 55146-78

EPA Est. No. 65663-TX-1

Net Contents: _____

Nufarm Americas Inc- AGT Division
1333 Burr Ridge Parkway, Suite 125A
Burr Ridge, IL 60527



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FIRST AID

IF IN EYES:	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after first 5 minutes, then continue rinsing eye. • Call a poison control center or doctor for treatment advice.
IF SWALLOWED	<ul style="list-style-type: none"> • Call a poison control center or doctor immediately for treatment advice. • Have person sip a glass of water if able to swallow. • Do not induce vomiting unless told to do so by a poison control center or doctor. • Do not give anything by mouth to an unconscious person.
IF ON SKIN OR CLOTHING	<ul style="list-style-type: none"> • 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.
IF INHALED	<ul style="list-style-type: none"> • Move person to fresh air. • If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. • Call a poison control center or doctor for further treatment advice.

HOT LINE NUMBER

Have the container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-877-325-1840 for emergency medical treatment information.

PRECAUTIONARY STATEMENTS**HAZARDS TO HUMANS (AND DOMESTIC ANIMALS)****WARNING**

Causes substantial but temporary eye injury. May be fatal if inhaled, or absorbed through the skin. Do not breathe vapor or mist. Do not get in eyes on skin or on clothing. Wear protective eyewear such as safety goggles or face shield. Wash thoroughly with soap and water after handling. Remove and wash contaminated clothing before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE):

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

Mixers and loaders must wear:

- Coveralls over short-sleeved shirt and short pants
- Chemical-resistant gloves
- Chemical-resistant footwear plus socks.
- Dust / mist filtering respirator (MSHA/NIOSH approval number prefix TC-21), or a NIOSH approved respirator with any R,P or HE filter.
- Protective eyewear
- Chemical-resistant apron when cleaning equipment, mixing or loading
- For overhead exposure, wear chemical resistant headgear.

USER SAFETY RECOMMENDATIONS

Users should wash hands before eating, drinking, chewing gum, or using tobacco or using the toilet. Users should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Users should 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

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. Do not contaminate water by cleaning of equipment or disposal of equipment washwaters or rinsate.

ENGINEERING CONTROL STATEMENT

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the 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.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "mixers and loaders" and have such PPE immediately available for use in an emergency, such as a spill or equipment break-down.

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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 State / Tribal 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) and the 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 24 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:

- Long-sleeved shirt and long pants (or coveralls)
- Chemical resistant gloves made of any waterproof material
- Shoes plus socks
- Protective eyewear

GENERAL INFORMATION

Do not apply this product through any type of irrigation system.

TYPY is a plant growth regulator for use on apples, non-bearing pears and non-bearing sweet cherries. When applied at specific spray timing and concentration, TYPY provides the following desirable effects:

- TYPY improves the shape of Delicious apples through elongation of fruit and development of more prominent calyx lobes.
- TYPY often increases weight of individual fruit on delicious and other varieties increasing the yield per tree. Some thinning occasionally occurs from the use of TYPY.
- TYPY will increase lateral bud break , shoot growth and improve branch angles on most non-bearing apple varieties, including nursery stock. This effect will provide a better tree framework, for early cropping.

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- Use TYPY on non-bearing pears and non-bearing sweet cherry trees, including nursery stock, to increase lateral bud break, shoot growth, improve branch angles and provide a better tree frame work for early croppings.

APPLICATION INSTRUCTIONS FOR FRUIT DEVELOPMENT

RATE & TIMING

Single Application for Improved Type:

For all states **except** Washington, Oregon, Idaho, and Utah.

Make a single application of TYPY from early king bloom to the early stages of petal fall of the side blossoms. Apply 1 to 2 pints of TYPY per acre in 50 to 200 gallons of spray mixture as a fine mist spray.

For the states of Washington, Oregon, Idaho, and Utah.

Make a single application of TYPY from early king bloom (king blossoms opening and side blossoms in the balloon stage) to the early stages of petal fall of the king blossoms. Apply 1 to 2 pints of TYPY per acre in 50 to 200 gallons of spray mixture as a fine mist spray.

Split Applications for Improved Type and Size:

Make a split application to improve typing and sizing responses. Make the first application from early king bloom to the early stages of petal fall of the king bloom. Make a second application 7 to 21 days later. Apply 0.5 to 1 pint of TYPY per acre in 50 to 200 gallons of spray mixture in each application. Do not, however, exceed the maximum directed rate of a total of 2 pints per acre for the combined sprays.

Split Applications to Improve "Typiness" in Locations where the bloom period is prolonged or occurs over a period of several days: (Not For Use in California)

Make two TYPY applications three or more days apart. Make the first spray during the first flush of bloom. Make a second application when the remainder of the tree canopy comes into bloom. The time between TYPY applications varies from orchard to orchard within a given growing area because of the influence of the local microclimate. In most instances a period from 3 to 7 days between sprays is adequate. Extend the time interval between sprays if cool weather further prolongs bloom. For the most efficient use of TYPY bloom progression within individual orchards must be assessed at least every 48 hours.

Apply TYPY twice as two concentrate sprays each containing 0.5-1 pint of TYPY in 100 gpa. Calibrate the spray machine to deliver 100 gpa and direct the nozzle so that spray mist targets those portions of the tree canopy currently in bloom. Include an appropriate wetting agent so as to insure even thorough coverage of open blossoms.

NOTE: Make applications of TYPY to non-bearing pears and non-bearing sweet cherries no later than one year prior to first anticipated fruit harvest.

MIXING INSTRUCTIONS

Add the required amount of TYPY to a spray tank about half-filled with water. Agitate while bringing the total volume of water to the required level. Mix new solutions only in a clean, empty spray tank, and use within 24 hours. A non-ionic wetting agent, e.g. Tween®-20, or Triton®X-100, can improve spray coverage and enhance absorption.

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APPLICATION PRECAUTIONS

Use a properly calibrated and adjusted sprayer that insures uniform and complete coverage of all foliage and blossoms. Adjust spray volume to tree size and density. Apply TYPY spray mixture as a uniform fine mist spray.

Do not spray the tank mixes on any low vigor trees or trees under stress as from drought, low fertility, winter injury, etc. TYPY is a plant growth regulator that must be absorbed by the plant to be effective, best performance can be expected with good absorption conditions and healthy, vigorous trees. Do not apply TYPY in more than 200 gallons of spray per acre.

Direct approximately 85% of the spray volume into the upper two-thirds of the trees. To minimize excessive spray drift, apply when air is calm.

High relative humidity and slow drying conditions favor maximum absorption of TYPY. Applications in morning or evening are preferable. Avoid applications when conditions favor rapid drying of the spray deposit. Rainfall within six hours after spraying may reduce activity of TYPY.

Do not apply TYPY when air temperatures are lower than 40°F or greater than 90°F.

APPLICATION INSTRUCTIONS FOR LATERAL BRANCHING AND TREE DEVELOPMENT

Apply a single foliar application of TYPY or a TYPY-latex paint spot application to apples, non-bearing pears, and non-bearing sweet cherry trees, including nursery stock, to increase lateral bud break, shoot growth, improve branch angles and provide a better tree framework for early cropping.

FOLIAR APPLICATIONS

Use foliar applications to increase bud break and branch angles on apples, non-bearing pears, and non-bearing sweet cherries being grown in nurseries.

APPLICATION RATES FOR FOLIAGE

Apples (Nursery & Orchard): Apply 125-500 PPM (.25-1pt. TYPY /5gal. of spray solution). For orchard trees apply at 1-3 inches of new terminal growth. For nursery stock treat after trees have reached a terminal height at which lateral branching is desired.

Non-bearing Pears (Nursery & Orchard) (Not for use in California): Apply 250-1000 PPM (.5-2pt TYPY/5gal. Of spray solution). For orchard trees apply at 1-3 inches of new terminal growth. For nursery stock treat after trees have reached a terminal height at which lateral branching is desired.

Non-bearing Sweet Cherries (Nursery Only): Apply 250-1000 PPM

(.5-2pt TYPY/5gal. of spray solution). For nursery stock treat after trees have reached a terminal height at which lateral branching is desired.

A buffered wetting agent, e.g. Buffer X® or non-ionic wetting agent, e.g., Tween ®20, Triton® X-100, etc. must be added to the tank at a rate of .2-.3% (1-2 oz./5gal.) prior to the addition of TYPY. Do not exceed a final spray solution pH of 8.

Uniformly apply TYPY with a pressurized hand sprayer, hand gun attachment to an airblast sprayer, or an airblast sprayer to thoroughly wet the bark and foliage surfaces. Total spray volume needed to achieve thorough wetting will vary with the equipment used and the size of the trees to be treated. Generally, 50-100 gallons of spray mixture will treat an acre of nursery trees planted on a 4 foot by 4 inch spacing (2200 trees). Approximately 5-10 gallons of spray mixture applied with a pressurized hand sprayer will treat 200-300 non-bearing orchard trees 1-4 year old.

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LATEX APPLICATIONS

Use TYPY applied in latex to increase bud break and branch angles when applied to one year old wood on apples and orchard grown non-bearing sweet cherries.

APPLICATION RATES FOR LATEX

Apples (Nursery and Orchard) and Non-bearing Sweet Cherries (Orchard Only): Apply 5000-7500 PPM (.2-.33 pt. TYPY per pint of latex paint) in the spring when terminal buds begin to swell but before shoots emerge

NOTE: Do not apply after buds break. Applications after buds have broken can cause injury to tender shoot tips and fail to promote shoot growth from that point.

Add a buffered or non-ionic wetting agent to the TYPY and latex paint mixture at the rate of .5-1% (.1-.15 oz. per pint of paint) prior to the addition of TYPY. The addition of a wetting agent will improve the dispersion of TYPY in the latex paint and will also improve wetting and absorption through the waxy cuticular layer of the bark surface.

Uniformly apply the TYPY latex paint mixture with a brush or sponge to thoroughly cover the bark surface. **NOTE:** Apply only to one year old wood.

TANK MIX COMPATIBILITY

TYPY can be applied in combination with plant nutrients and fungicides listed below:

Fungicides (Not for use in California)

Benlate®, Ferbam, Polyram®, Thiram, Dithane® M-45, Orthocide®, wettable sulfur are compatible with TYPY when tank mixed at the timing associated with bloom applications as described under 'Rate and Timing of Applications' for TYPY. When using fungicides, refer to respective labels for directions and precautionary statements.

Add a buffer to alkaline spray water to reduce the pH below 8.

STORAGE AND DISPOSAL

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

PESTICIDE STORAGE

Store below 75° F (24° C). Keep containers tightly closed when not in use.

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

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

WARRANTY STATEMENT

Nufarm Americas Inc., - AGT Division warrants that the product conforms to the chemical description on the label and is reasonably fit for the purposes set forth on the label when used according to directions under normal use conditions. **THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE.** This warranty does not extend to the handling or use of this product contrary to label instructions or under abnormal conditions or under conditions not reasonably foreseeable to seller and buyer.

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