

FYFANON® 8 LB. EMULSION

THE PREMIUM GRADE MALATHION

ACTIVE INGREDIENT:

Malathion: O,O-dimethyl phosphorodithioate of diethyl mercaptosuccinate.....81.43%

INERT INGREDIENTS:.....18.57%**TOTAL**.....100.00%

This product contains 8 lbs. of malathion per gallon.

KEEP OUT OF REACH OF CHILDREN**CAUTION****PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS****CAUTION**

Harmful if swallowed, inhaled or absorbed through the skin. Causes eye irritation. Avoid breathing spray mist. Do not get in eyes, on skin or clothing.

FIRST AID**Organophosphate**

- | | |
|--------------------------------|--|
| 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. • Call a poison control center or doctor for further treatment advice. |
| 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 the first 5 minutes, then continue rinsing. • Call a poison control center or doctor for treatment advice. |

HOT LINE NUMBER

Have the product container or label with you when calling a poison control center or doctor or going for treatment. In case of emergency, call 1-800-424-9300.

NOTE TO PHYSICIAN

This product may cause cholinesterase inhibition. Atropine is antidotal. 2PAM may be effective as an adjunct to atropine.

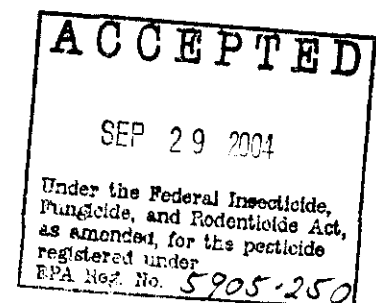
SEE INSIDE PANEL FOR ADDITIONAL PRECAUTIONS AND DIRECTIONS FOR USE

EPA REG. NO. 5905-250

NET CONTENTS:

EPA EST. NO.

**MANUFACTURED BY
HELENA CHEMICAL COMPANY
225 SCHILING BOULEVARD, SUITE 300
COLLIERVILLE, TENNESSEE 38017**



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 an EPA chemical resistance category selection chart.

Applicators and other handlers must wear:

- Long-sleeved shirt and long pants
- Chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, or viton
- Shoes plus socks

Follow 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.

When handlers used 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.

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 pesticide is toxic to fish, aquatic invertebrates, and aquatic life stages of amphibians. 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. Drift and runoff may be hazardous to aquatic organisms in areas near the application site. Do not contaminate water when disposing of equipment washwaters.

This product is highly toxic to bees exposed to direct treatment 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 OR CHEMICAL HAZARDS

Do not use or store near heat or open flame.

CHEMIGATION PROHIBITION

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

DIRECTIONS FOR USE

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

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 12 hours.

Exception: If the product is soil-injected or soil-incorporated, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated.

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
- Chemical-resistant gloves, such as barrier laminate, butyl rubber, nitrile rubber, or viton
- Shoes plus socks

STORAGE AND DISPOSAL

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

PESTICIDE DISPOSAL: Wastes resulting from the use of this product may be disposed of on site or at an approved 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 other procedures approved by state and local authorities.

GENERAL INFORMATION

Pour specified amount of this product into nearly filled spray tank. Add balance of water to filled tank. Keep agitator running during filling and spraying operations. If mixture does not mix readily, but tends to separate as an oily layer, do not use as injury to plants may result. Do not combine with wettable powders unless previous use of this mixture has proven physically compatible and safe to plants. Always thoroughly emulsify this product with at least half of total water before adding wettable powder.

SUGGESTED WATER RATES FOR AIRCRAFT AND GROUND APPLICATION: (The actual rate required to provide thorough, uniform coverage varies with plant growth at time of application. Except as specified for certain uses, the following rates are therefore intended to cover a broad range of conditions.)

CROP	GAL. WATER/ACRE	
	AIRCRAFT	GROUND
Vegetable and Field Crops	1 - 20	5 - 125
Orchard, Grapes	5 - 25	
Orchard Crops (see exceptions below)		300-800
Citrus		500-3000
Grapes		100-200

RECOMMENDATIONS

Unless otherwise indicated, dosages are given in pints of FYFANON 8 LB. per acre in sufficient water to provide thorough coverage of vegetable and field crops and pints of FYFANON 8 LB. per 100 gallons of water for thorough coverage sprays of fruit crops. Begin applications when insects first appear and repeat at 7-10 day intervals as needed to maintain control, but observe use limitation given for specific crops. Maximum permissible rate per acre, expressed as FYFANON 8 LB. given in parenthesis, () , after each crop claim.

**CROP USES
TREE FRUIT CROPS**

APRICOTS: Aphids, Codling Moth, European Lecanium Scale, Orange Tortrix, Soft Brown Scale - 1¼ pints. Do not apply within 7 days of harvest. (10 pints)

CHERRIES: Black Cherry Aphid, Bud Moth, Cherry Fruit Fly, Fruit Tree Leaf Roller, Lesser Peach Tree Borer (apply to trunks and scaffold limbs at 21 day intervals beginning with emergence). Forbes and San Jose Scales (apply 3 weeks before and immediately after harvest) - 1 pint. Do not apply within 3 days of harvest. Caution: May cause injury on certain varieties of sweet cherries in the Northeast. (8 pints)

CITRUS (Oranges, Grapefruit, Kumquats, Lemons, Limes, Tangerines): California Red Scale, Yellow Scale, Purple Scale, Black Scale, (Single and Off-Brooded) Soft Scale, Thrips, Citricola Scale, Aphids - 1 pint. Do not apply within 7 days of harvest. Make no application when trees are in bloom. California - Do not apply unless parasite activity in the scale is at a low level or absent. (25 pints)

GRAPES: European Fruit Lecanium, Grape Leafhopper, Mealybug, Spider Mites - 1 pint. Do not apply within 3 days of harvest. Injury may occur to Riblier, Cardinal and Almeria varieties when applications are made after the clusters appear. (2¾ pints)

PEACHES: Black Cherry Aphids, Black Peach Aphid, Green Peach Aphid, Japanese Beetle, Rusty Plum Aphid - ¾ pint. Oriental Fruit Moth, Plum Curculio and Scales (European Fruit Lecanium, Terrapin, Cottony Peach - 1¼ pints. Do not apply within 7 days of harvest. (9 pints)

VEGETABLE AND FIELD CROPS

ALFALFA, CLOVER: Alfalfa Weevil Larvae, Aphids, Armyworms, Clover Leaf Weevil, Grasshoppers, Lygus Bugs, Pea Aphid, Potato Leafhoppers, Spider Mites, Spittlebugs, Vetch Bruchid – 1- 1½ pints. Use higher rate for Armyworm control. For hard to control insects, use up to 2 pints per acre. Apply to alfalfa in bloom only in the evening or early morning when bees are not working in the fields or are not hanging on the outside of hives. May be applied on day of harvest or grazing up to 1½ pints rate; when using 2 pint rate, do not apply within 7 days of harvest or grazing.

ALFALFA, CLOVER, AND VETCH GROWN FOR SEED (Not for use on Vetch in California): Aphids, Leafhoppers, Lygus Bugs – 1 - 1 ¼ pints. Apply to plants in bloom only in the evening or early morning when bees are not working in the fields or are not hanging outside the hives. May be applied on the day of harvest.

BEANS: Aphids, Cucumber Beetle, Japanese Beetle, Mexican Bean Beetle, Nitidulid Beetle, Pea Leaf Weevil, Potato Leafhopper, Spider Mites - 1½ pints. Lygus Bugs (on dry beans in California) - 1 - 1½ pints. Do not apply within 1 day of harvest. Do not graze or feed treated crop foliage to livestock.

BEETS, GARDEN (Seed Crop): Lygus - 1¼ pints. Apply in seedball to hand seed stage. Repeat as needed. Do not apply within 7 days of harvest. (No limitation.)

BEETS, TABLE: Aphids, Beet Armyworm, Blister Beetles, Flea Beetle - 2½ pints. Do not apply within 7 days of harvest. (2½ pints.)

BERRIES (Blackberry, Blueberry, Boysenberry, Dewberry, Loganberry, Raspberry): Aphids, Japanese Beetle, Rose Leafhopper, Rose Scale, Two-Spotted Spider Mites, Sap Beetle - 2 pints. Do not apply within 1 day of harvest.

CELERY: Aphids, Leafhoppers, Spider Mites, Whiteflies - 1½ pints. Do not apply within 7 days of harvest. (1½ pints.)

COLE CROPS (Broccoli, Brussels Sprouts, Cabbage, Kale, Mustard, Turnips): Aphids, Cabbage Loopers, Imported Cabbage Worm - 1½ - 2 pints. Use higher rate for loopers and worms. Do not apply within 3 days of harvest on Broccoli and Turnips, 7 days on others.

CORN: Aphids, Corn Rootworm Adults, Sap Beetles, Thrips, Young Grasshoppers - 1¼ pints. Do not apply within 5 days of harvest for forage use. **Caution:** Injury may occur in the whorl and silk stages with emulsifiable liquids. (1¼ pints.)

COTTON: Brown Cotton Leafworm, Cotton Aphid, Cotton Leafworm, Cotton Leafperforator, Spider Mite, Leafhoppers, Lygus Bugs, Thrips, Whiteflies - ¾-1 pt. **Fall Armyworms, Boll Weevil, Grasshoppers, Garden Webworms, Lygus** - 1¼-2 pts. **Cotton Fleahoppers** - ¾-1 pt. May be applied on the day of harvest. Consult local agricultural authorities for exact time of application.

CUCURBITS (Cucumbers, Squash): Spider Mites, Squash Vine Borer, Thrips - 1¾ pints. Do not apply on Cucumbers and Squash unless plants are dry or within 1 day of harvest. (1¾ pints.)

EGGPLANT: Aphids, Lace Bug, Spider Mites - 1¼ - 2 pints. Use higher rate for **Lace Bugs**. Do not apply within 3 days of harvest.

GRASS AND CEREAL CROPS (Barley, Corn, Wheat, Barn Grass, Canary Grass, Fescue, Orchard Grass, Red Top, Timothy and Yellow Foxtail): Cereal Leaf Beetle - ¾ - 1¼ pints. Do not apply within 7 days of harvest or forage use on Barley and Wheat; 5 days on Corn. **Grass, Grass Hay Pastures and Range Land: Aphids, Leafhoppers** - 1-1¼ pints, repeat application as necessary. (Grasses 1¼ pints; Corn 1 pint, other cereals 1¼ pints.)

HOPS: Aphids, Mites - 1¼ pints. Do not apply within 7 days of harvest. (1¼ pints)

HORSERADISH: Aphids, Diamond Back Moth, Flea Beetle, and Leafhoppers. Do not apply within 7 days of harvest. (2½ pints.)

LETTUCE, ENDIVE: Aphids, Alfalfa Looper, Cabbage Looper, Leafhoppers, Mites - 2 pints. Do not apply within 14 days of harvest on leaf lettuce; 7 days on endive and head lettuce. (2 pints.)

MINT: Aphids, Flea Beetle Adults, Spider Mites - 1 pint. Do not apply within 7 days of cutting. (1 pint.)

ONIONS: Onion Maggots, Thrips - 2 pints. For **Onion Maggots** apply when flies first appear and repeat every 4 days. Do not apply within 3 days of harvest on **Green Onions**. (2 pints)

PARSNIPS - Aphids, Diamond Back Moth, Flea Beetle, Leafhoppers - 2 pints. Do not apply within 7 days of harvest.

PEAS: Aphids, Pea Weevils - 1¼ pints. Do not apply within 3 days of harvest. Do not graze or feed treated crop foliage to livestock.

PEPPERS: Aphids, Pepper Maggots - 1½ pints. Do not apply within 3 days of harvest. (1½ pints)

POTATOES: False Chinch Bugs, Leafhoppers, Mealy Bugs - 1 pint. **Aphids, Blister Beetles** - 2½ pints.

RADISHES: Aphids and Diamond Back Moth. Do not apply within 7 days of harvest. 2 pints.

RICE: Leafminers - 1½ pts. Make first application when first rice blades appear on the surface of the water and repeat if necessary. **Stink Bugs** - 1 pint in a minimum of 2 gallons of water applied by aircraft during the early milk and dough stages of growing rice. Do not apply within 7 days of harvest. (1½ pints.) Broadcast use only over intermittently flooded areas. Application may not be made around bodies of water where fish or shellfish are grown and/or harvested commercially.

SALSIFY: Aphids, Diamond Back Moth, Flea Beetle, and Leafhoppers - Do not apply within 7 days of harvest. 2 pints.

6/8

SMALL GRAINS (Barley, Rye, Wheat): Armyworms, English Grain Aphids, Grasshoppers, Greenbugs - 1 - 1¼ pints.
Do not apply within 7 days of harvest. (1¼ pints.)

SPINACH: Aphids - 1½ pints. Do not apply within 7 days of harvest.

STRAWBERRIES: Aphids (use at rate of 2 pints), Field Crickets, Lygus Bugs, Potato Leafhopper, Spider Mites, Spittlebugs, Strawberry Leafroller, Strawberry Root Weevil, Thrips, Whiteflies - 1½-2 pints. Do not apply within 3 days of harvest. (2 pints.)

SWISS CHARD: Aphids, Blister Beetle - 2 pints. Do not apply within 7 days of harvest. (2 pints.)

TOMATOES: Aphids, Spider Mites - 1½ pints. Drosophila Flies - 2 pints in full coverage application to fruit and foliage. Do not apply within 1 day of harvest. At rates over 2 pints up to 3½ pints, do not apply within 5 days of harvest. **California only:** These higher rates may be applied up to 3 days of harvest. (3½ pints)

PASTURE AND RANGE LAND: Aphids, Grasshoppers, Leafhopper - 1¼ pints. Or use 1¼ pints in 1 gallon diesel fuel oil by means of airplane or a turbine blower type sprayer. May be applied on day of harvest or grazing. (1¼ pints.)

WASTELANDS, ROADSIDES, SOIL-BANK LANDS (Not Grazed): Grasshoppers - 1 - 2 pints in 1 gallon fuel oil by means of an airplane or a turbine-blower type sprayer.

STORAGE PEST PROTECTION

For protection against: **Cereal Leaf Beetles, Confused Flour Beetle, Indian Meal Moth, Flat Grain Beetle, Granary Weevil, Lesser Grain Borer, Red Flour Beetle, Rice Weevil, Rusty Grain Beetle, Sawtoothed Grain Beetle.**

GRAINS (Barley, Corn, Oats, Rye, Wheat) - RESIDUAL SPRAY - BEFORE STORING: (For walls, floors, and machinery in grain elevators, in treating truck beds, boxcars, and ships holds before loading grain): Use 5 pints per 25 gallons of water. Make thorough application. Before applying spray, clean elevators, boxcars, truck beds, etc. thoroughly. Remove and burn all sweepings and debris.

ORNAMENTALS

Dosages given are for use in 100 gallons of dilute spray -

Aphids, European Pine Shoot Moth, Four-Lined Leaf Bug, Japanese Beetle Adult, Mealybugs, Millipedes, Potato Leafhopper, Rosa Leafhopper, Scurfy Scale, Spider Mites, Springtails, Sowbugs, Tarnished Plant Bug, Thrips, Whitefly, Eunoymus Scale, Lace Bugs, Oyster Shell Scale 1 pint

Azalea Scale, Bagworms, Birch Leafminer, Boxwood Leafminer, Fletcher Scale, Florida-Red Scale, Juniper Scale, Magnolia Scale, Oak Kermes, Pine Leaf Scale, Tent Caterpillar 1¼ pints

Black Scale Crawlers, Monterey Pine Scale..... 1 3/5 pints

Pine Needle Scale, Wax Scale 2 pints

For Oyster Shell, Fletcher, Juniper, Oak Kermes and Pine Needle Scales, apply when scale crawlers have settled on foliage.

CAUTION: Avoid use on certain ferns including Boston, Maidenhair and Pteris, as well as some species of Crassula and Canaetri Juniper.

FLY CONTROL

For use around the outside of buildings which house domestic animals, around the outside of homes, around yards, and the outside of meat and food processing plants.

STRAIGHT FYFANON SPRAYS

Amount of Spray	Amount of FYFANON 8-E
2½ gals.	¾ cup
12 gals.	1¼ pts.
100 gals.	1¼ gals.

FYFANON BAIT SPRAYS

Amount of Bait Spray	Amount FYFANON 8-E	Sugar (or)	Unsulferized Molasses or Corn Syrup
2½ gals.	¾ cup	1 cup	1 cup
12 gals.	1¼ pts.	2½ lbs.	1 qt.
100 gals.	1¼ gals.	20 lbs.	2 gals.

Apply spray at rate of 1 gallon per 1,000 square feet on painted surfaces and 2 gallons per 1,000 square feet on unpainted surfaces where flies alight or congregate. In most cases, adding molasses or sugar to the spray prolongs the insecticidal activity and serves as a fly attractant.

CAUTION: Avoid contamination of milk, milk equipment and water. Avoid contamination of feed and food products; also drinking fountain and feed troughs.

DROSOPHILA FLIES and DRIED FRUIT BEETLES: On or around cull fruit and vegetable dumps. Mix 7½ pints in 100 gallons of water and apply as a drench, using 8-10 gallons of spray per 100 square feet (for best results, dumps should not be over 18 inches deep). Do not feed treated fruit and vegetables.

MOSQUITO CONTROL

MOSQUITOES, FLIES AND SMALL FLYING INSECTS: (Broadcast use only over intermittently flooded areas. Application may not be made around bodies of water where fish or shellfish are grown and/or harvested commercially.) For use by trained personnel as a 2-5% fog, aerosol or space spray. To make a 2% solution dilute 1 part in 45 parts of water, fuel oil or diesel oil. When using kerosene-type solvent as carrier, dilute 1 part in 45 parts of a mixture consisting of 4 parts kerosene-type solvent and 1 part aromatic hydrocarbon-type solvent. For a 5% solution, dilute 1 part in 18 parts of mixture using similar solvents.

MOSQUITO LARVAE IN STANDING WATER: (Broadcast use only over intermittently flooded areas. Application may not be made around bodies of water where fish or shellfish are grown and/or harvested commercially.) Apply at the rate of 8 fluid ounces (approximately ½ pint) per acre. Mix in sufficient water or oil to obtain even coverage when applied by air or ground. Repeat applications as necessary. Avoid applying oil-based formulations to valuable ornamental plants as injury may occur. Keep out of any fish bearing waters.

ADULT MOSQUITO AND FLY CONTROL

Apply 2.4 to 4.8 fluid ozs. per acre for control of Adult Mosquitoes and 7.2 to 9.6 fluid ozs. per acre for control of Adult Flies and Mosquitoes. Repeat as necessary. Can be applied to Alfalfa, Clover, Pasture and Range Grass, Grass and Grass Hay, Grain Crops (Barley, Corn, Oats, Rye, & Wheat), Beans, Rice, and Nonagricultural Lands. Do not apply within 7 days of harvest on Grain Crops (Barley, Oats, Rye & Wheat) and Rice; 5 days of harvest on Corn; 1 day of harvest on Beans. No time limitation on Alfalfa, Clover, Pasture and Range Grass, Grass and Grass Hay. Do not apply to Alfalfa and Clover in bloom. Do not use on seed Alfalfa. Treat shrubbery and vegetation where mosquitoes may rest.

(Broadcast use only over intermittently flooded areas. Application may not be made around bodies of water where fish or shellfish are grown and/or harvested commercially.) Shrubbery and vegetation around stagnant pools, marshy areas, ponds, and shorelines may be treated.

Mist blowers and boom sprayer utilizing a controlled airflow to facilitate particle size and spray deposition may be used at a vehicle speed of 4 to 10 m.p.h.

Mist blowers with a pump capable of producing up to 40 psi and blower speeds of 2600 r.p.m. are satisfactory. Use flat fan nozzles, 8001 to 8002, placed 30o into air blast or rotary atomizers into the air blast that produce an efficient spray particle with a mass medium diameter of 40 to 100 microns.

Swath widths should not exceed 30 feet, and applications should not be made when winds exceed 5 m.p.h.

Repeat applications should be made as necessary unless otherwise specified.

**CONDITIONS OF SALE - LIMITED WARRANTY
AND LIMITATIONS OF LIABILITY AND REMEDIES**

Read the Conditions of Sale - Warranty and Limitations of Liability and Remedies before using this product. If the terms are not acceptable, return the product, unopened, and the full purchase price will be refunded.

The directions on this label are believed to be reliable and should be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions or the failure to follow the label directions or good application practices, all of which are beyond the control of Helena Chemical Company (the "Company") or seller. In addition, failure to follow label directions may cause injury to crops, animals, man or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law.

The exclusive remedy against the Company for any cause of action relating to the handling or use of this product shall be limited to, at Helena Chemical Company's election, one of the following:

1. Refund of the purchase price paid by buyer or user for product bought, or
2. Replacement of the product used

To the extent allowed by law, the Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income. The Company and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.