## A Horticultural Vinegar Biopesticio

For Non-Selective Control of Herbaceous Broadlead Weeds and Weed Grasses which Surround Food crops, Non-food crops and Non-production Agricultural, Farmstead, Right-of-Way, and Institutional Land Sites

## **Active Ingredient:**

Acetic Acid .... ......80.0% **1 Gallon** Other Ingredients.. \*Equivalent to 200 grain vinegar by titration (3.79 L)

See directions for use in attached booklet.

# Do not contaminate water, food, or feed by storage KEEP OUT OF REACH OF CHILDREN

IF IN EYES: Hold evelids open and flush with a steady. gentle stream of water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice.

IF SWALLOWED: 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 poison control center or doctor. Do not give

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

NOTE TO PHYSICIAN: Probable mucosal damage may

calling a poison control center or doctor, or going for treatment. You may also contact 1-800-858-7378 for

# NOT FOR HUMAN CONSUMPTION

Corrosive - causes irreversible eye damage. Wear goggles or face shield when handling. Harmful if absorbed through skin. Harmful if swallowed. Do not get in eyes, on skin, ....20.0%\* Net Contents or on clothing. In case of contact, immediately flush eyes or skin with plenty of water. Get medical attention if irritation persists. Wash thoroughly with soap and water after handling. Wear personal protection equipment when

PESTICIDE STORAGE: Keep from freezing. Store only n original tightly sealed container and out of reach

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

CONTAINER HANDLING: Nonrefillable container. Do no

available or puncture and dispose of in a sanitary landfill anything by mouth to an unconscious person.

IF INHALED: Move person to fresh air. If person is not



ave the product container or label with you when emergency medical treatment.

## PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic Animals

### DANGER

handling and/or applying.

reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if





Avoid repeated applications on concrete, since this

## PERSONAL PROTECTION EQUIPMENT (PPE)

Applicators and other handlers must wear appropriate protective eyewear, such as face shield or goggles and face mask (with MSHA/ NIOSH approval number prefix such as N95, R-95, or P-95), long sleeved shirt and long pants, waterproof gloves and shoes plus socks.

### **USER SAFETY REQUIREMENTS:**

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

## **USER SAFETY RECOMMENDATIONS:**

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly

### **Environmental Hazards:**

and change into clean clothing.

inside. Then wash thoroughly and put on clean

- This pesticide is toxic to birds exposed to spray drift, direct treatment or residues on crops or weeds. Do not apply this product or allow to drift to crops or weeds if birds are actively visiting the treatment area.
  - This pesticide is toxic to fish and aquatic
  - For terrestrial use only. Do not apply directly

manner inconsistent with its labeling. Read the entire labe during the restricted-entry interval (REI) of 48 hours. before using. Do not apply this product in a way that will eep unprotected persons out of the treated areas contact workers or other persons, either directly or through until spray has dried. drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the State or Tribal agency responsible for pesticide regulation.

Avoid application to reactive metals such as aluminum. tin, iron or items such as fencing or lawn furniture in order to prevent staining, mottling, or otherwise interfering with finished metal surfaces. In case of contact, rinse the sprayed surfaces with water.

## 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 be applied up to two days before harvest. 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 restricted entry interval (REI). The requirements in this box only apply to uses

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

nurseries or greenhouses.

Protection Standard.

- Waterproof gloves
- Shoes plus socks

of this product that are covered by the Worker

## NON-AGRICULTURAL USE REQUIREMENTS

- invertebrates.

### **DIRECTIONS FOR USE**

It is a violation of federal law to use this product in a

product, as all other acids may result in etching of cement

Contact Organics Weed Terminator 20 is a quick-acting, non-selective contact herbicide containing an organic acid for which the residues degrade promptly in the soil. Foliar contact results in rapid desiccation and control of annual weeds and grasses, and top growth reduction of herbaceous perennial weeds and grasses (see table below). For control of established perennial weeds, retreatment may be necessary. Contact Organics Weed Terminator 20 may

## TYPICAL WEEDS CONTROLLED

Annual Broadleaf Weeds Perennial Broadleaf Weeds Perennial Grasses and Sedge Turf and Ornamentals - Such as but not limited Black medic Bluegrass Amaranth, spp to woody ornamentals, potted crops, foliage Chickweed Cinquefoil (silvery) Quackgrass plants, greenhouses, shadehouses, and any other . Dandelion Black Nightshade Witchgrass plant production structure in which the product Cinquefoil (rough) Ground ivv can be applied without contacting desirable plants. Plantain spp. Common groundse Applications to weeds in turf will kill surrounding tur Toadflax Hairy nightshade Tufted vetch Lambsquarters Crops – For all crops listed below, do not broadcast Liverworts\* Mustard spp. Wild carrot within the growing crop. Apply only with shielded Oxalis spp. \*For Liverworts, dilute r hooded spray equipment to weeds growing this product at a rate of 1 Pigweed spp. Annual Grasses between crop rows. Any contact with the crop will gallon of this product to 2 Ragweed spp. cause crop injury. For all tree crops and fruit crops gallons of water. Shepherdspurse Foxtail spp. isted below, spray must be directed under the For all other weeds. Smartweed (Ladysthumb) Italian ryegrass use full strength. crop canopy. In crops where cultivation is possible, Velvetleaf ultivate crop middles and reduce the sprayed area

# DO NOT SPRAY DIRECTLY ONTO

crops, nonfood crops (ornamentals) and non-production agricultural, farmstead, right-of-way, and institutional The requirements in this box apply to uses of this land sites. Use to control weeds in interstate freeways/ product that are NOT Within the scope of the Worker highways, federal and state highways and city/county Protection Standard (WPS) for agricultural pesticides roads and walkways, railroad rights-ofway, tank farms, (40 CFR Part 170). The WPS applies when this product power stations and easements, and other rightsof way, s used to produce agricultural plants on farms, forests industrial sites, and vacant lots. Suitable to keep down Apply this product when weeds are small (3 to 5 leaf weeds on all botanical and private association ornamental stage) and actively growing. Spray this product on Do not enter or allow worker entry into treated areas gardens, kennels, dog runs, and other animal enclosures and walkways.

contact with.

Use this product to control weeds that surround all food

Do not apply this product by aerial application.

### DRIFT MANAGEMENT

- Drift is the off-site movement of spray away from the intended target. Managing drift is important for the protection of endangered species. In addition, this product is non-selective so it will severely injure landscape plants, ornamentals and other desirable foliage or kill any crop plants or other plants it comes in as this product causes severe injury to desirable plants.
- · Do not apply when wind conditions favor movemen of spray away from the site of application.

- of spray away from the target.
  - Pome fruit such as but not limited to apple

# **EARLY SEASON ANNUAL WEED**

unwanted weeds (vegetation) to the point of wetness. For best results, spray on dry leaves at temperatures between 50 and 75 degrees Fahrenheit. Conditions of high evaporation rates (temperatures higher than tamarind, pineapple. 75 degrees Fahrenheit and low relative humidity) may result in reduced efficacy. Since dilution of this product will reduce effectiveness, do not dilute. Avoid spraying kiwi fruit, maypop.

### f crop plants. · When applying this product in a broadcast Citrus fruit – such as but not limited to orange application utilize a hooded sprayer, shielded or grapefruit, lemon, lime. other spray equipment that prevents the movement

 Utilize nozzles that are designed to produce large spray droplets to reduce drift.

tone fruit – such as but not limited to cherry, each, nectarine, plum.

Root and tuber vegetables and leaves of root and

by directing the application to the uncultivated base

INCLUDING ANY CROP PLANTS

Tree nuts – such as but not limited to almond, pecan, rye, barley, millet, sorghum, amaranth. oistachio, coconut, betel nut, cashew, walnut

ropical fruit – such as but not limited to avocado. guava, jujube, noni, mango, star fruit, sugar apple, papaya, lychee, passion fruit, banana, date, olive,

NOTE: ALL CONTACTED VEGETATION WILL BE AFFECTED. DO NOT

ALLOW THIS PRODUCT TO COME IN CONTACT WITH DESIRABLE PLANTS

mustard greens.

guar and their leaves.

OVERSPRAY OR DRIFT WILL INJURE OR KILL CONTACTED VEGETATION

Berries and small fruit – such as but not limited o strawberry, blackberry, raspberry, blueberry, ranberry, grapes, lingonberry, Saskatoon berry,

Mushrooms – Apply preplant only. Do not apply tuber vegetables – such as but not limited to carrot, potato, radish, sugar beet, turnip tops, garden beet leaves, sugar beet leaves.

### Leafy vegetables – such as but not limited to celery, FOR SPOT TREATMENT APPLICATION: head lettuce, leaf lettuce, spinach.

Direct spray with a single nozzle or a hand-gun applicator to thoroughly wet undesirable weed Brassica vegetables (cole crops) – such as but not limited to broccoli, cauliflower, cabbage, collard, foliage. Re-treatment of perennial weed growth may be required for control.

Fruiting vegetables – such as but not limited to FOR BROADCAST SPRAY APPLICATIONS: omato, bell pepper, chili pepper, eggplant, okra. For broadcast spray application to control weeds. Cucurbit vegetables – such as but not limited to Application types include pre-plant (prior to crop

cucumber, squash, cantaloupe, watermelon. establishment), preharvest desiccation (to kill crop Bulb vegetables – such as but not limited to onion. foliage prior to harvesting the crop) postharvest crop desiccation (remaining crop residues after

Herbs and spices – such as but not limited to basil. dill, chive, parsley, cilantro, celery seed, dill seed. Use 44 to 88 fluid ounces (1.375 to 2.75 guarts) of Legume vegetables and leaves of legume vegetables this product per 1000 square feet. One gallon wil such as but not limited to soybeans, peas, beans treat approximately 1450 to 2900 square feet.

Thorough coverage is necessary to achieve desirable Forage crops - grass and non-grass animal feeds control. For dense weed populations and/or heavy such as but not limited to bermudagrass, fescue, foliage, use the higher spray volume to ensure bluegrass, clover, alfalfa. adequate coverage. Apply with flat fan nozzles and

Cereal grains and their straw or fodder – such as but at sufficient pressure to achieve required coverage not limited to corn, rice (except flooded rice), wheat, but do not exceed a pressure 35 PSI. When applying this product in a broadcast application within a Oilseed crops – such as but not limited to canola. growing crop, utilize a hooded sprayer, shielded,

or other spray equipment that prevents the sunflower, flax, rapeseed, mustard, guayule, crambe movement of spray away from the target. For pre-Medicinal crops – such as but not limited to plant burndown of young vegetation, use of wide echinacea, St. John's wort, ginkgo, valerian, ginseng

Miscellaneous crops – such as but not limited to aloe vera, prickly pear cactus, sugar maple and sweet sorghum for syrup production, peanuts, sugarcane, artichoke, cotton, asparagus, kava-kava, mint, hops, stevia, jojoba, hemp, tobacco, tea, coffee.

> For spray application to control weeds, apply 44 to 88 fluid ounces (1.375 to 2.75 quarts) of this product per 1000 square feet. One gallon will treat approximately 1450 to 2900 square feet.

sprayer or hooded sprayer):

crop has been harvested).

## TIMING OF APPLICATIONS

desirable control. For dense and/or heavy week Best results are achieved from applications to actively

Nonrefillable container. Do no reuse or refill this populations, use the higher spray volume to ensure growing young weeds. Weeds that are mature, adequate coverage. Apply with flat fan nozzles and at the lowest pressure needed to achieve required more tolerant of herbicide treatments. For best coverage, but do not exceed 35 PSI. If treating along the side of crop plants, shielded or hooded sprayers evaporation rates (temperatures higher than 75

PESTICIDE STORAGE:

## SPRAY EQUIPMENT:

must be used to avoid crop injury.

application.

Thorough coverage is necessary to achieve

- Do not apply this product by aerial application Do not apply when wind conditions favor movement of spray away from the site of
- When applying this product in a broadcas application utilize a hooded sprayer, shielde or other spray equipment that prevents the movement of spray away from the target.

Utilize nozzles that are designed to produce

large spray droplets to reduce drift. Spray nozzles need to be plastic or 316 stainless steel as this product will eventual

## FOR CONTROL OF LARGER ANNUALS AND BURNDOWN OF PERENNIAL WEED

angle nozzles (110 degrees or wider) spaced close difficult to control and may require retreatment together enable the boom to be positioned lower Treat initially as recommended above and repeat i and closer to the spray target, reducing the potential new growth of leaves appears. Thorough coverage of all weed foliage is necessary to achieve desirable

Larger annual weeds and perennials are more

POST- DIRECTED (Row middles, shielded well-established weed stands, mow to a height of 4-6 inches and remove cut vegetation before applying

corrode any other metal.

dormant, or hardened due to moisture stress are 50 and 75 degrees Fahrenheit. Conditions of high degrees Fahrenheit and low relative humidity) may

# ANY TYPE OF IRRIGATION SYSTEM

## STORAGE AND DISPOSAL

Do not contaminate water, food, or feed by storage

## Keep from freezing. Store only in original tightly sealed container and out of reach of children.

# Wastes resulting from the use of this product may or storage.

be disposed of on site or at an approved waste disposal facility.

results, spray on dry leaves at temperatures between for 10 seconds after the flow begins to drip. Fill the result in reduced efficacy. Only contacted vegetation Drain for 10 seconds after the flow begins to drip. for recycling if available or puncture and dispose

# DO NOT APPLY THIS PRODUCT THROUGH of in a sanitary landfill, or by incineration.

### To the extent required by law, Contact Organics (USA) warrants that the product conforms to its

a particular use and shall not be liable for misuse

or conditions beyond its control, such as handling

IF IN EYES: Hold evelids open and flush with a steady. chemical description and is reasonably fit for the purposes stated on the label only when used in accordance with the label directions. Contact Organics (USA) makes no other express or implied doctor for advice. warranties either of merchantability or fitness for

## PESTICIDE DISPOSAL:

## CONTAINER HANDLING:

container. Clean container promptly after emptying Triple rinse as follows: Empty the remaining content into application equipment or a mix tank and drain container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment of a mix tank or store rinsate for later use or disposa Repeat this procedure two more times. Then offer

# WARRANTY STATEMENT:

gentle stream of water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for further treatment advice.

IF SWALLOWED: 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 poison control center or doctor. Do not give anything by mouth to an unconscious person. or by incineration.

IF INHALED: 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.



## A Horticultural Vinegar Biopesticide

For Non-Selective Control of Herbaceous Broadleaf Weeds and Weed Grasses which Surround Food crops, Non-food crops and Non-production Agricultural, Farmstead, Right-of-Way, and

## Institutional Land Sites

Active Ingredient: Other Ingredients...

\*Equivalent to 200 grain vinegar by titration (3.79 L)

See directions for use in attached booklet. STORAGE AND DISPOSAL

# KEEP OUT OF REACH OF CHILDREN

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

reuse or refill this container. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and the container ¼ full with water and recap. Shake for 1 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times. Then offer for recycling if





anufactured for: Contact Organics (USA) 4947 US 75 Avenue MAURICE, IOWA 5103 info@contactorganics.com • EPA Reg. No. 85208-1-93740 EPA Est. No. 93740-THA-

## Corrosive - causes irreversible eye damage. Wear goggles or face shield when handling. Harmful if absorbed through skin. Harmful if swallowed. Do not get in eyes, on skin,

...20.0%\* Net Contents or on clothing. In case of contact, immediately flush eyes or skill with pierty of water. or skin with plenty of water. Get medical attention if after handling. Wear personal protection equipment when handling and/or applying.

NOTE TO PHYSICIAN: Probable mucosal damage may

Have the product container or label with you when

treatment. You may also contact 1-800-858-7378 for

NOT FOR HUMAN CONSUMPTION

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals

calling a poison control center or doctor, or going for

## Do not contaminate water, food, or feed by storage

emergency medical treatment.

PESTICIDE STORAGE: Keep from freezing. Store only

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