

# TRUE CHOKE-OUT HERBICIDE

Post-emergent, fast-acting, contact herbicide

**Active Ingredients:**

Caprylic Acid.....	45.5%
Capric Acid .....	28.5%
<b>Other Ingredients: .....</b>	<b>26.0%</b>
<b>Total.....</b>	<b>100.0%</b>

**KEEP OUT OF REACH OF  
CHILDREN**

**CAUTION /  
PRECAUCION**

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.)

**See inside booklet for First Aid and Precautionary Statements.**

**EPA Reg. No. 104355-1  
EPA Est. No. 104355-CA-2**

**SHAKE WELL BEFORE USING**

 **FOR ORGANIC PRODUCTION**

**TRUE**<sup>®</sup>  
ORGANIC PRODUCTS, INC

**MANUFACTURED BY:**  
True Organic Products, Inc.  
20225 W. Kamm Ave, Helm, CA 93627 USA  
(559) 866-3001

  
**OMRI**  
**L I S T E D**  
For Organic Use

**Net Contents: 275 Gallons**

<b>FIRST AID</b>	
<b><i>If in eyes</i></b>	<ul style="list-style-type: none"> <li>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<b><i>If on skin or clothing</i></b>	<ul style="list-style-type: none"> <li>• Remove contaminated clothing.</li> <li>• Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>• Wash exposed area with soap and water. If irritation persists, seek medical attention.</li> <li>• Call a poison control center or doctor for treatment advice.</li> </ul>
<p><b>HOT LINE NUMBER</b></p> <p>Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact the National Poison Control Hotline at 1-800-222-1222 for emergency medical treatment information 24 hours a day, 7 days a week.</p>	

### **PRECAUTIONARY STATEMENTS**

#### **HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**CAUTION:** Causes moderate eye irritation. Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Avoid contact with skin or clothing. Wash thoroughly with soap and water after handling. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

#### **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 selection chart.

Applicators and other handlers must wear:

- Protective eyewear
- Coveralls worn over short-sleeved shirt and short pants
- Shoes plus socks
- Chemical resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride or viton

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE items 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 the product gets inside. Wash thoroughly and put on clean clothing.
- Remove PPE after handling this product.
- Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothes.

### **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 when disposing of equipment wash water or rinsate.

Do not apply this product or allow it to drift to blooming crops or weeds while honeybees are actively foraging in the treatment area. For maximum honeybee protection, avoid early morning and late afternoon applications.

### **PRODUCT INFORMATION**

**True® Choke-Out Herbicide** is a non-selective, post-emergent, foliar herbicide for use in and around all food and non-food crop areas, as well as non-crop sites where undesirable weeds may be present. **True® Choke-Out Herbicide** provides effective control of annual and perennial broadleaf weeds and grasses. **True® Choke-Out Herbicide** works best on newly emerged weeds, ideally on weeds that are less than 6 inches in height. **True® Choke-Out Herbicide** is non-volatile, emulsifiable concentrate that can be applied using ground equipment such as boom sprays. **True® Choke-Out Herbicide** is non-systemic and does not translocate within the plant. Applications during warm, dry weather will enhance activity of this product and result in better control.

For use to control unwanted vegetation up to and including day of harvest.

## DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner that is 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 requirement specific to your State or Tribe, consult the State/Tribal agency responsible for the 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 also contains specific instructions and exceptions pertaining to statements on this label about personal protective equipment (PPE). The requirements of 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 12 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and involves contact with anything treated such as plants or soil is: long-sleeved shirt and long pants, protective eyewear, chemical -resistant gloves, and shoes plus socks.

### NON-AGRICULTURAL USE REQUIREMENT

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Keep unprotected persons out of treated areas until sprays have dried.

For early reentry to treated areas and that involves contact with anything that has been treated such as plants, soil, or water, wear: coveralls, shoes, socks, and waterproof gloves.

## USE SITES AND METHODS

For use in and around all food and non-food crops, including but not limited to:

Crop Group	Crops	Use Method and Timing
<b>Berries</b>	Blackberries, Blueberries, Boysenberries, Cranberries, Dewberries, Loganberries, Raspberries, Strawberries	<ul style="list-style-type: none"> <li>• Pre-plant - broadcast and/or directed sprays</li> <li>• In-season and dormant – directed and shielded sprays</li> <li>• Sucker Control*</li> </ul>
<b>Brassicas (Cole)</b>	Broccoli, Brussels Sprouts, Cabbage, Cauliflower, Collards, Kale, Mustard Greens	<ul style="list-style-type: none"> <li>• Pre-plant and post-harvest - broadcast and/or directed sprays</li> <li>• In-season – directed and shielded sprays</li> </ul>
<b>Bulb Vegetables</b>	Garlic, Leaks, Onions, Shallots	<ul style="list-style-type: none"> <li>• Pre-plant and post-harvest - broadcast and/or directed sprays</li> <li>• In-season – directed and shielded sprays</li> <li>• Harvest aid and desiccation*</li> </ul>
<b>Cereal Grains</b>	Barley, Corn, Oats, Rye, Sorghum (Milo), Wheat	<ul style="list-style-type: none"> <li>• Pre-plant and post-harvest - broadcast and/or directed sprays</li> <li>• In-season – directed and shielded sprays</li> </ul>
<b>Citrus</b>	Grapefruits, Lemons, Limes, Oranges, Mandarins	<ul style="list-style-type: none"> <li>• Pre-plant - broadcast and/or directed sprays</li> <li>• In-season and dormant – directed and shielded sprays</li> </ul>
<b>Cucurbit Vegetables</b>	Cantaloupes, Cucumbers, Gourds, Muskmelons, Pumpkins, Squash, Watermelons	<ul style="list-style-type: none"> <li>• Pre-plant and post-harvest - broadcast and/or directed sprays</li> <li>• In-season – directed and shielded sprays</li> </ul>

Crop Group	Crops	Use Method and Timing
<b>Field Crops</b>	Alfalfa, Canola, Cereal Grains, Corn, Cotton, Sorghum, Soybeans, Sweet Corn	<ul style="list-style-type: none"> <li>• Pre-plant and post-harvest - broadcast and/or directed sprays</li> <li>• In-season – directed and shielded sprays</li> </ul>
<b>Fruiting Vegetables</b>	Eggplant, Peppers (All Varieties), Tomatillos, Tomatoes	<ul style="list-style-type: none"> <li>• Pre-plant and post-harvest - broadcast and/or directed sprays</li> <li>• In-season – directed and shielded sprays</li> </ul>
<b>Herbs and Spices</b>	Anise, Basil, Chive, Dill, Fennel, Oregano	<ul style="list-style-type: none"> <li>• Pre-plant and post-harvest - broadcast and/or directed sprays</li> <li>• In-season – directed and shielded sprays</li> </ul>
<b>Grapes</b>	Raisin, Table Grapes, Wine Grapes	<ul style="list-style-type: none"> <li>• Pre-plant - broadcast and/or directed sprays</li> <li>• In-season and dormant – directed and/or shielded sprays</li> <li>• Sucker Control*</li> </ul>
<b>Leafy Greens</b>	Arugula, Celery, Lettuce, Spinach	<ul style="list-style-type: none"> <li>• Pre-plant and post-harvest - broadcast and/or directed sprays</li> <li>• In-season and dormant – directed and shielded sprays</li> <li>• Lettuce thinning*</li> </ul>
<b>Legumes</b>	Beans, Garbanzo, Lentils, Peas, Peanut	<ul style="list-style-type: none"> <li>• Pre-plant and post-harvest - broadcast and/or directed sprays</li> <li>• In-season – directed and shielded sprays</li> <li>• Harvest aid and desiccation*</li> </ul>
<b>Tree Nuts</b>	Almonds, Cashews, Hazelnuts (Filberts), Pecans, Pistachios, Walnuts	<ul style="list-style-type: none"> <li>• Pre-plant - broadcast and/or directed sprays</li> <li>• In-season and dormant – directed and/or shielded sprays</li> <li>• Sucker Control*</li> </ul>
<b>Pome Fruit</b>	Apples, Crabapples, Pears, Quince	<ul style="list-style-type: none"> <li>• Pre-plant - broadcast and/or directed sprays</li> <li>• In-season and dormant – directed and/or shielded sprays</li> <li>• Sucker Control*</li> </ul>
<b>Rice</b>	Do not apply when fields are flooded.	<ul style="list-style-type: none"> <li>• Pre-plant and post-harvest - broadcast and/or directed sprays</li> <li>• In-season – directed and shielded sprays</li> </ul>
<b>Seed Crops</b>	Cotton, Flax Seed, Mustard Seed, Rapeseed (Canola), Safflower, Sesame, Sunflower	<ul style="list-style-type: none"> <li>• Pre-plant and post-harvest - broadcast and/or directed sprays</li> <li>• In-season – directed and shielded sprays</li> <li>• Harvest aid and desiccation*</li> </ul>
<b>Stone Fruit</b>	Apricots, Cherries, Nectarines, Peaches, Plums, Prunes	<ul style="list-style-type: none"> <li>• Pre-plant - broadcast and/or directed sprays</li> <li>• In-season and dormant – directed and/or shielded sprays</li> <li>• Sucker Control*</li> </ul>
<b>Root &amp; Tuber Vegetables</b>	Beets, Carrots, Potatoes, Potato Seed, Radishes, Sweet Potatoes	<ul style="list-style-type: none"> <li>• Pre-plant and post-harvest - broadcast and/or directed sprays</li> <li>• In-season – directed and shielded sprays</li> <li>• Harvest aid and desiccation*</li> </ul>
<b>Tropical &amp; Subtropical Fruits</b>	Avocados, Bananas, Coffee, Guavas, Kiwi Fruit, Mangos, Olives, Papaya, Pineapple	<ul style="list-style-type: none"> <li>• Pre-plant - broadcast and/or directed sprays</li> <li>• In-season and dormant – directed and/or shielded sprays</li> <li>• Sucker Control*</li> </ul>
<b>Miscellaneous Crops</b>	Artichokes, Asparagus, Hemp, Hops, Mint, Persimmons, Pomegranates, Tobacco	<ul style="list-style-type: none"> <li>• Pre-plant - broadcast and/or directed sprays</li> <li>• In-season and dormant – directed and/or shielded sprays</li> <li>• Sucker Control*</li> </ul>

Crop Group	Crops	Use Method and Timing
<b>Non-Food Crops</b>	Flowers, Bedding Plants, Ornamental Trees and Shrubs, Vines, Christmas Trees, Forestry	<ul style="list-style-type: none"> <li>• Pre-plant - broadcast and/or directed sprays</li> <li>• In-season and dormant – directed and shielded sprays</li> <li>• Sucker Control*</li> </ul>
<b>Non-Crop Sites</b>	For use on weeds around and on buildings, sidewalks, fences, planters, bark mulch, driveways and other rights-of-ways, patios, gravel, on structures holding flowers, trees, shrubs, vines and vegetables, landscaped areas, and on and around buildings and structures, such as benches, walls, floors, and roofs in commercial, institutional, recreational, and industrial sites; railways; fallow land, forages and pastures, uncultivated land	<ul style="list-style-type: none"> <li>• Broadcast sprays</li> <li>• Directed sprays</li> <li>• Shielded Sprays</li> </ul>
<b>Greenhouse and Nurseries</b>	For use in and around greenhouses, hoophouses, and outdoor growing areas.	<ul style="list-style-type: none"> <li>• Directed sprays</li> <li>• Shielded sprays</li> </ul>

\*Not for use in California

**PRODUCT USE METHODS:**

- **Broadcast Sprays:** Application with a spray-boom over an entire treatment area. Should only be used in sites without desirable vegetation present (pre-plant, post-harvest, etc.).
- **Directed Sprays:** Targeted applications at specific weeds or areas of the field using a hand wand, spray gun, banded spray nozzles, etc.
- **Shielded Sprays:** Banded or broadcast applications with a hood over the spray nozzles to prevent drift. Allows for applications close to desirable vegetation.

**MIXING INSTRUCTIONS AND APPLICATION RATES**

**True® Choke-Out Herbicide** is a non-selective, post-emergent, foliar herbicide for use in and around all food and non-food crop areas. It can also be used in non-agricultural and industrial use sites. **True® Choke-Out Herbicide** works best on small and newly emerged weeds. For more mature weeds, use the higher application rates (6% to 9%) with higher spray volumes. Spray coverage is essential since **True® Choke-Out Herbicide** is non-systemic and will only control the parts of the weed that are contacted with the spray solution.

Repeat applications as required to maintain desired level of weed control and to control plants emerging from seed and underground parts. For larger weeds, a higher rate and/or volume may be needed in the initial application. Subsequent applications can use lower rates and/or volumes to clean up any regrowth or newly germinated weeds.

**APPLICATION RATES:** **True® Choke-Out Herbicide** rates are determined on a percent concentration by volume basis. Use the lower use rate range for young, succulent and actively growing weeds and the higher rate for weeds greater than six inches in height. Use the highest rate for perennial weeds when the plants have “hardened.”

- **Use a 3% solution** for controlling small annual weeds.
- **Use a 6% solution** for burndown of perennial herbaceous plants, or larger annual weeds
- **Use a 9% solution** when maximum vegetative burndown (for weeds such as field bindweeds and sedges), is desired.

**Desiccation/Harvest Aid:** Apply **True® Choke-Out Herbicide** when unwanted vegetation needs to be removed and crops have stopped growing. Spray solution as a broadcast application over targeted crops and weeds. Avoid spray drift to adjacent crops. To ensure full burndown, apply **True® Choke-Out Herbicide** at least 48 hours before harvest. Application crops include bulb crops, seed crops, and root/tuber crops (Not for use in California).

**Sucker Control:** Use directed spray of 6% to 9% solution when applying **True® Choke-Out Herbicide** to eliminate tender suckers. Higher rates (9%) will be needed for mature (lignified) suckers (Not for use in California).

**Lettuce Thinning:** For use on lettuce to chemically thin unwanted lettuce plants. Must make applications with a sprayer designed for thinning lettuce that will spray unwanted plants without injuring desirable plants. Apply after all lettuce seedlings have emerged but before plants reach 4 inches tall. Use a 6-9% solution for lettuce thinning (Not for use in California).

Desired Volume of Spray Solution (gallons of water)	Amount of True® Choke-Out Herbicide per Volume of Water (Volume/Volume)		
	3% Solution	6% Solution	9% Solution
1	4 fl oz	8 fl oz	12 fl oz
3	12 fl oz	24 fl oz	36 fl oz
25	96 fl oz	1.5 gal	2.25 gal
50	1.5 gal	3 gal	4.5 gal
100	3 gal	6 gal	9 gal
400	12 gal	24 gal	36 gal

**MIXING INSTRUCTIONS:** Fill sprayer tank with half of the recommended water, then add the appropriate amount of True® Choke-Out Herbicide. Fill tank with the remaining amount of water. When spraying the solution, **USE CONTINUOUS AGITATION UNTIL ALL SPRAY SOLUTION HAS BEEN APPLIED.** Apply spray solution in properly maintained and calibrated equipment capable of delivering the desired volumes. Apply spray solution as needed to control newly emerged weeds. Use spray solution within 4 hours of mixing.

**Spray water pH:** True® Choke-Out Herbicide may be less effective if applied using water with a pH greater than 7. For spray water with pH greater than 7, adjusting to pH 6 or below prior to the addition of True® Choke-Out Herbicide may improve efficacy.

**SPRAY EQUIPMENT:** Apply True® Choke-Out Herbicide using hand-held equipment, boom sprayers, pressure sprayers, and hose-end sprayers. Only protected handlers may be in the application area. Always clean application equipment, including o-rings, thoroughly after each use.

Do not apply this product by aerial application. Do not apply when wind conditions favor movement of spray away from the site of application.

True® Choke-Out Herbicide will cause phytotoxic injury to any plant tissue that is contacted with the spray solution. Avoid spray drift to non-target plants when spraying. When applying this product in a broadcast application, utilize a hooded sprayer, shielded or other spray equipment that prevents the movement of spray away from the target weeds. Utilize nozzles that are designed to produce large spray droplets to prevent drift onto crop.

**DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM.**

**ADDITIONAL PRECAUTIONS:** Do not apply to weeds when wet from dew, rain, or water. Do not apply overhead irrigation within 4 hours after application. Do not apply if rainfall is expected within 4 hours of spray. Maintaining dry conditions for 24 to 48 hours after application will maximize weed burn-down.

**DO NOT APPLY TO RICE FIELDS WHEN WATER IS PRESENT OR FIELD IS FLOADED. ENSURE ADEQUATE VENTILATION WHEN SPRAYING THE PRODUCT IN ENCLOSED AREAS SUCH AS GREENHOUSES.**

**COMPATIBILITY:** Conduct a compatibility test when you plan to mix True® Choke-Out Herbicide with other products. To determine the physical compatibility of True® Choke-Out Herbicide with other products, use a jar test. Using a quart jar, add the proportionate amounts of the products to approximately one quart of solution. Add dry formulations first, then aqueous flowables, and then emulsifiable concentrates last. Agitate well. After thorough mixing, allow this mixture to stand for 5 minutes. If the combination does not form a precipitate and can be readily remixed, it is physically compatible. Once compatibility has been confirmed, use the same order of addition for adding products to the spray tank. Follow the more restrictive labeling requirements of any tank mix partner. Do not tank mix with products which prohibit tank mixing. Treat a small test plot if new combinations of products are being used for the first time.

## **STORAGE AND DISPOSAL**

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

**PESTICIDE STORAGE:** Store True® Choke-Out Herbicide in a cool place out of direct sunlight. Do not freeze.

**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 [for containers less than 5 gallons]:** Non-refillable container. Do not reuse or refill this container. Triple rinse (or equivalent) container promptly after emptying, then offer for recycling, if available; or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or, if allowed by state and local authorities, by incineration. If burned, stay out of smoke. 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 1/4 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 available, or puncture or dispose of in a sanitary landfill, or by incineration. Do not burn unless allowed by state and local ordinances.

**CONTAINER HANDLING [for containers greater than 5 gallons]:** refillable container. Do not reuse or refill this container. Triple rinse (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into the application equipment or a mix tank. Fill the container ¼ full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times. Then offer for recycling, if available, or puncture or dispose of in a sanitary landfill, or by incineration. Do not burn unless allowed by state and local ordinances.

**NOTICE OF WARRANTY** - True warrants that the product conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with the directions under normal conditions of use. 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 True. To the extent consistent with applicable law, True shall not be liable for consequential, special or indirect damages resulting from the use or handling of this product. True's liability is limited to replacement of product or refund of purchase price. True makes no warranties of merchantability or fitness for a particular purpose nor any other express or implied warranty except as stated above.

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Post-emergent, fast-acting, contact herbicide

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Capric Acid .....	28.5%
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