

FINALSAN®

TOTAL VEGETATION KILLER

ACTIVE INGREDIENT:
Ammoniated soap of fatty acids 22%
OTHER INGREDIENTS 78%
TOTAL..... **100.00%**

KEEP OUT OF REACH OF CHILDREN WARNING

Additional Precautionary Statements, Directions for Use, and Storage and Disposal Instructions on Back Panel

For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident Call CHEMTREC Day or Night Within USA and Canada: 1-800-424-9300

For product use or customer service inquiries, call 928-445-7990

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 the first 5 minutes, then continue rinsing eye.• Call a poison control center or doctor for treatment advice.
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 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 by a poison control center or doctor.• Do not give anything by mouth to an unconscious person.
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.
Have the product container or label with you when calling a poison control center or doctor or going for treatment. For emergency information concerning this product, call the National Pesticide Information Center (NPIC) at 1-800-858-7378 seven days a week, 6:30 am to 4:30 pm Pacific Time (NPIC Web site: www.npic.orst.edu). During other times, call the poison control center 1-800-222-1222.	

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: Causes substantial but temporary eye injury. Causes skin irritation. Avoid breathing vapor or spray mist. Harmful if inhaled. Do not get in eyes, on skin or on clothing.

Personal Protective Equipment (PPE) Requirements: Applicators and other handlers must wear: coveralls worn over short-sleeved shirt and short pants, socks, chemical-resistant footwear, waterproof gloves and protective eyewear. When cleaning equipment a chemical-resistant apron should also be worn.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

User Safety Recommendations

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, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters or rinsate.

The active ingredient in this product is exempted from the requirement of a tolerance for residues in or on all food commodities when used in accordance with good agricultural practice.

NET CONTENTS: 2.5 Gallon
SKU: 20002.025

EPA REG. No. - 67702-8-87865
EPA Est. No. 48498-CA-1

LOT NUMBER:

Sold Under License Of:

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Canadian Office: Neudorff North America
Unit 11 • 6782 Veyaness Road • Saanichton, BC, V8M 2C2
Telephone: 1-(250)-652-5888

Manufactured For:

ENGAGE AGRO USA
Engage Agro USA, LLC
118 E. Carleton Street, Suite B, Prescott, AZ 86303
Phone: 928-445-7990



Non-Agricultural Use Requirements

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.

For Control of Weeds, Grass, Moss & Algae:

Application Directions:

Stand Alone Use

Shake well before using.

- For the control of perennial or more established weeds, mix one part Finalsan Total Vegetation Killer with 5 parts water (16.7% v/v solution).
- For annual weeds and small, easy-to-kill weeds, mix one part Finalsan Total Vegetation Killer with 9 parts water (10% v/v solution).
- For the control of moss and algae, mix one part Finalsan Total Vegetation Killer with 19 parts water (5% v/v solution).

For the control of weeds and grass, apply the mixed solution at 75-200 gallons/acre (2 – 5 gallons/1000 ft²). For the control of moss and algae, apply the mixed solution at 8.3-25 gallons/1000 ft². Spray weed thoroughly, using a coarse nozzle setting to reduce drift. Thorough coverage is extremely important. For spot treatment of individual weeds, apply the mixed solution to the center of plant to the point of runoff. Plant damage will be visible from a few hours to 2 days after spraying. Repeat treatment every 2 to 3 weeks to control new weeds growing from seed and re-growth from bi-annual and perennial weeds. Avoid spraying desirable plants. Thoroughly wash equipment after use.

Tank Mixes

Finalsan Total Vegetation Killer may be combined with other pesticides to broaden the target spectrum, improve the level of control, 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. Do not mix this product with any other product that prohibits such mixing. Always predetermine the compatibility of labeled tank mixtures of this product with other products in advance of application by mixing proportional quantities of all products and water in a container and watching for adverse reactions. When tank mixing, add formulations in the following sequence: (1) wettable powders; (2) flowable liquids; (3) emulsifiable liquids; (4) Finalsan Total Vegetation Killer herbicide; (5) water soluble liquids; and (6) adjuvants.

Finalsan Total Vegetation Killer plus Glyphosate Herbicides:

Finalsan Total Vegetation Killer is synergistic with certain postemergence herbicides. A mixture of this product and glyphosate has shown enhanced speed of top kill and improved control of numerous weed species.

To enhance the activity of glyphosate-containing herbicides, and accelerate burndown of target weeds, use the necessary amount of Finalsan Total Vegetation Killer to reach a final concentration of 5-16.7% v/v spray solution plus the labeled rate of the registered glyphosate product. Lower rates in the rate range will provide less visible burndown effect.

RATE TABLE Desired Final Volume of Spray Solution (gallons)	Amount of Finalsan Total Vegetation Killer in Spray Solution for Following Dilution Rate		
	1:19 (5% v/v)	1:9 (10% v/v)	1:5 (16.7% v/v)
1	6.4 ozs.	12.8 ozs.	21 ozs.
2.5	16 ozs.	32 ozs.	51 ozs.
5	32 ozs.	64 ozs.	102 ozs.
7.5	48 ozs.	96 ozs.	1.25 gal
10	64 ozs.	1 gal	1.6 gal

Product Information:

Finalsan Total Vegetation Killer is a fast-acting, non-selective weed, grass, algae and moss killer. This product is not translocated. It will burn only those plant parts that are coated with spray solution. The best results are obtained with young, actively growing weeds, less than 5 inches high. Finalsan Total Vegetation Killer can be used any time during the year and works best during warm and dry conditions. Application during cold weather may delay appearance of plant damage. If rain falls within 3 hours of treatment, an additional spray may be required. Finalsan Total Vegetation Killer controls many common annual weeds and suppresses the growth of some bi-annual and perennial weeds. It can be used in cultivated areas prior to planting grass, flowers and vegetables. Areas can be re-sown five days after treatment. Inadvertent overspray of Finalsan Total Vegetation Killer does not stain concrete, pavement, stucco or wood.

Use Sites: Outdoors and Greenhouses

Terrestrial Food and Feed Crops: Grapes, cereal grains, vegetable crops, orchards, fruit and nut trees, vines, field crops (e.g.: artichokes, beans, corn, cotton, ginseng, herbs, hops, peas, peanuts, potatoes, small fruits, sugarbeets, sunflowers, sweet potatoes, tobacco, tomatoes and yams), seeded or site preparations, cultivated areas prior to the emergence of susceptible plant parts or as a directed spray avoiding desirable plants, fields after the crop has been harvested, and grass or non-grass forage/ fodder/hay.

Terrestrial Non-Food Crops: Ornamental herbaceous plants, ornamental lawns and turf, ornamental woody shrubs, vines, and ornamental shade trees.

Terrestrial Non-Crop Sites: Around and on buildings, sidewalks, fences, trees, bark mulch, driveways and other right-of-ways, patios, gravel, on structures holding flowers, trees, shrubs, vines and vegetables, landscaped areas, lawns, and on and around buildings and structures, such as benches, walls, floors, and roofs.

Use Methods

Vegetation Burndown: General control of weeds, grass, algae and moss for site preparation and non-crop areas. Spot treatments may be used in crop and pasture situations. Applications may be made in and around desirable plants when contact of foliage and green bark is avoided.

Directed and Shielded Sprays: Applications may be made around desirable plants when contact of foliage and green bark is avoided.

Prior to Emergence of Plants from Seed, Perennial Rootstocks, and Bulbs: Ensure applications are made before new growth or crop emerges from soil or damage will occur. Areas can be re-sown five days after treatment.

Sucker Control, Pruning and Trimming: To burn back and control epicormic shoots, sucker growth, and other unwanted growth on woody trees, foliage growth on vines, excessive cane growth in brambles, or other listed use sites. Apply only to unwanted vegetative parts. Apply before suckers become woody.

Harvest Aid and Desiccation: To remove leaves of plants prior to harvest and/or burndown of weeds to facilitate harvest. Harvest aid and desiccation uses include applications to root and tuber vegetables, bulb vegetables and cotton only. Applications must be made no later than 24 hours prior to harvest.

Post-Harvest Spray: To control weeds, grass, moss and algae growing in fields after the commodity has been harvested.

Structural and Building Applications: To control weeds, grass, moss and algae in and around buildings and structures such as benches, walls, floors, and roofs.

Over-seeding Burndown: Apply a 10% v/v solution of Finalsan Total Vegetation Killer at 1.8 gallons/1000 ft² to burn down grass before over-seeding, facilitate grass removal and disposal, and allow a more timely re-seeding process with labor, fuel and equipment savings.

Pests:

Weeds controlled or suppressed by Finalsan Total Vegetation Killer include the following:			
chickweed	<i>Stellaria media</i>	stinkweed	<i>Thlaspi arvense</i>
corn spurry	<i>Spergularia arvensis</i>	thistle	<i>Cirsium</i> spp.
dandelion	<i>Taraxacum</i> spp.	annual bluegrass	<i>Poa annua</i>
groundsel	<i>Senecio</i> spp.	large crabgrass	<i>Digitaria sanguinalis</i>
lamb's-quarters	<i>Chenopodium album</i>	perennial ryegrass	<i>Lolium perenne</i>
moss-eared chickweed	<i>Cerastium vulgatum</i>	creeping red fescue	<i>Festuca rubra</i>
mustards	<i>Brassica</i> spp.	hard fescue	<i>Festuca ovina</i>
plantain	<i>Plantago</i> spp.	colonial bentgrass	<i>Agrostis tenuis</i>
redroot pigweed	<i>Amaranthus retroflexus</i>	moss, algae, and lichens	
round leaved mallow	<i>Malva</i> spp.		
sheep sorrel	<i>Rumex acetosella</i>		
shepherd's-purse	<i>Capsella bursa-pastoris</i>		

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal.
STORAGE: Store in a secure place, away from open fire or flame. Keep container closed and resealed after use. Product may be damaged by freezing. Do not store at temperatures below 39°F. If spilled, use absorbent materials and dispose of in an approved manner.
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: Nonrefillable container. Do not reuse or refill this container. Triple rinse 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. Offer for recycling, if available.

NOTICE TO BUYER

To the extent consistent with applicable law, 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. To the extent consistent with applicable law, seller makes no other warranties, either expressed or implied.