

Operating Instructions for Large Foam Herbicide Dispenser from Green Shoots®

If you have questions, comments, or suggestions, please contact us!

email: john@greenshootsonline.com

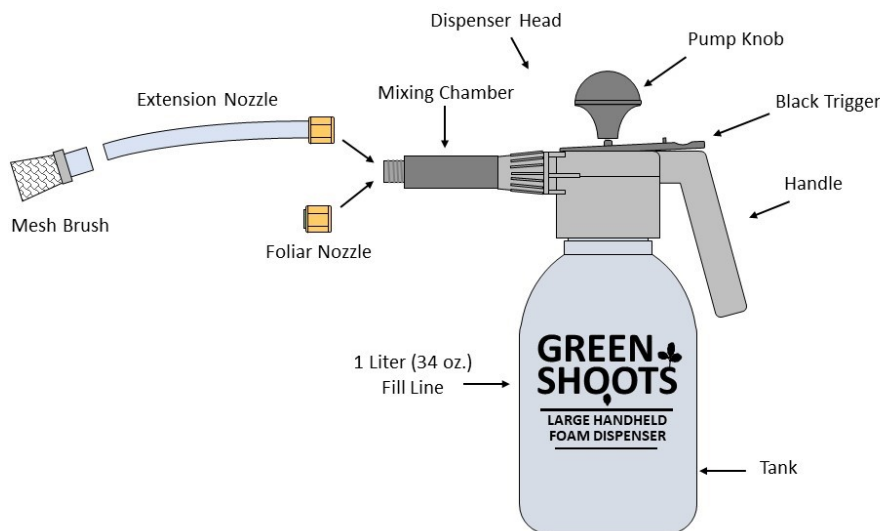
website: www.greenshootsonline.com

General Safety Precautions

1. Use only an appropriate amine (water-based) herbicide such as a glyphosate.
2. Read and follow the herbicide label.
3. Wear protective clothing (goggles, gloves, etc.) when mixing and using.

Operating the Foam Dispenser

STEP 1: Familiarize yourself with the Large Handheld Dispenser.



STEP 2: Fill the tank with the mixed herbicide solution. (Mixing instructions below.)

For the best foam, don't fill above the 1 liter mark.

STEP 3: Tightly screw on the dispenser head to ensure an airtight seal.

STEP 4: Attach the appropriate nozzle (see above diagram).

- **Foliar nozzle** for foliar applications.
- **Extension nozzle** for cut-surface applications.
- **Foam Brush** for wiping applications.

STEP 5: Write name of herbicide solution on tape and place on tank.



STEP 6: Pump about 10 to 15 strokes. Don't over-pressurize. **Lower pressure = better foam.**



STEP 7: To dispense, press the black trigger with thumb. Remember, only point the dispenser at the target; need we say: **NEVER AT HUMANS!**



STEP 8: Always depressurize when not actively dispensing. Slowly unscrew dispenser head until hissing heard; re-tighten to avoid spillage.



Note: The mixing instructions below are a little conservative on amounts of Green Shoots® Blue Foaming Agent. Remember, you can always add more foaming agent if the mixture is not foamy enough. **As always, read and follow the herbicide label!**

Cut Stump and Frill Treatments

Below are some typical herbicide formulations and mix rates.

1. Glyphosate herbicides with 41% active ingredient – Example Killzall® Super Concentrate or Roundup Pro®. For these herbicides, we recommend:

Desired Volume	Green Shoots Blue Foaming Agent	Water	Roundup Pro® (41% active ingredient)
1000 ml	20 ml	480 ml	500 ml
32 oz.	0.7 oz.	15.3 oz.	16.0 oz.



This creates a solution with about 20% active ingredient. We do not recommend a glyphosate-based solution with more than 32% active ingredient; it will foam poorly.

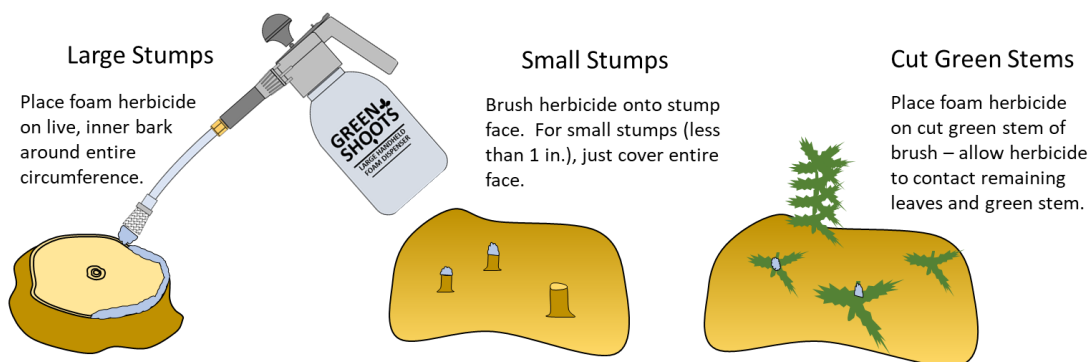
2. Glyphosate herbicides with 54% active ingredient – Example Killzall Aquatic® or Rodeo®.
For these herbicides (typically used near water bodies), we recommend:

Desired Volume	Green Shoots Non-ionic Foaming Agent	Water	Rodeo® (54% active ingredient)
1000 ml	30 ml	600 ml	370 ml
32 oz.	1.4 oz.	18.1 oz.	12.5 oz.

This creates a solution with about 20% active ingredient. We do not recommend a glyphosate-based solution with more than 32% active ingredient; it will foam poorly.

3. Other Herbicides. Other herbicides can also be used with the foam dispenser. Some herbicides (e.g., triclopyr) may take more foaming agent. Contact Green Shoots about using ester herbicides (typically mixed with hydrocarbon carriers such as kerosene or oils) with the foam dispenser.

Cut Stump Application Techniques



Tips:

- Cut the stump low to the ground – about 1 to 3 inches above the ground.
- Avoid getting dirt on the stump face. Dirt can neutralize herbicides such as glyphosate.
- Apply foam herbicide **immediately after cutting, i.e., within about 5 minutes**, so herbicide moves to plant roots.



Frill Application Techniques



Tips:

- Use this for larger trees. Make shallow cuts in the trunk of tree with a hatchet or similar tool to expose live, inner bark. Make cuts on trunk as close to ground level as possible (For example, 5 inches above the ground).
- Space cuts about 1 inch apart.
- Apply foam herbicide ***immediately after cutting***, so herbicide moves to the plant roots.

Foliar Treatments

The foliar nozzle should be attached for foliar treatments (i.e., treatments to leaves and green stems).

1. Glyphosate herbicides with 41% active ingredient – Example Killzall Concentrate® or Roundup Pro®.
For these herbicides, we recommend:

Desired Volume	Green Shoots Blue Foaming Agent	Water	Roundup Pro® (41% active ingred.)
1000 ml	10 ml	890.0 ml	100.0 ml
32 oz.	0.3 oz.	28.5 oz.	3.2 oz.

This creates a 10% herbicide solution with about 4.1 % active ingredient.

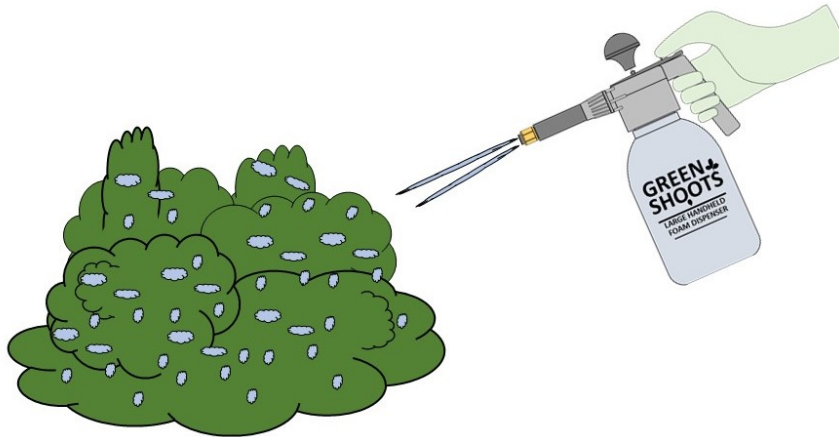
2. Glyphosate herbicides with 54% active ingredient – Example Killzall Aquatic®.
For these herbicides (typically used near water bodies), we recommend:

Desired Volume	Green Shoots Non-ionic Foaming Agent	Water	Rodeo® (54% active ingred.)
1000 ml	20 ml	890.0 ml	80.0 ml
32 oz.	0.7 oz.	28.0 oz.	2.6 oz.

This creates an 8% herbicide solution with about 4.3% active ingredient.



Foliar Application Techniques



Tips for foliar applications:

- Consult the label first.
- Cover about 20 to 30% of the foliage.
- Direct foam spray into thickest part of foliage.
- Cover all sides of the plant.
- Cover new growth if possible; it generally absorbs herbicide better.

Cleaning and Maintaining the Dispenser

See video or PDF on Green Shoots website for complete maintenance instructions.

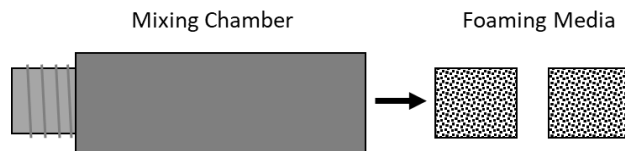
1. Read the label of the herbicide for:
 - a. Personal protective equipment needed;
 - b. Special cleaning instructions; and
 - c. Storage or disposal instructions.
2. Rinse the dispenser:
 - a. Rinse the dispenser by circulating approximately 100 ml water through the dispenser.
 - b. Dispose of rinsate as directed by the label. For example, most labels direct rinsate be applied to a site permitted by the herbicide label.
 - c. Repeat rinse one or more times.



- d. Do not allow dispensed rinsate to accumulate in standing puddles for example or in any place that could be a hazard.
3. Drain the dispenser; disassemble parts and allow to dry.
4. Apply a **light** coating of silicone grease to all the seals.

Cleaning the Foaming Media

1. Unscrew mixing chamber.
2. Push foaming media out back end with a dull stick such as eraser end of pencil.
3. Foaming media can be soaked.
4. When reinserting foaming media, push in gently and don't compact inside mixing chamber.



Assembly of the Foliar Nozzle

