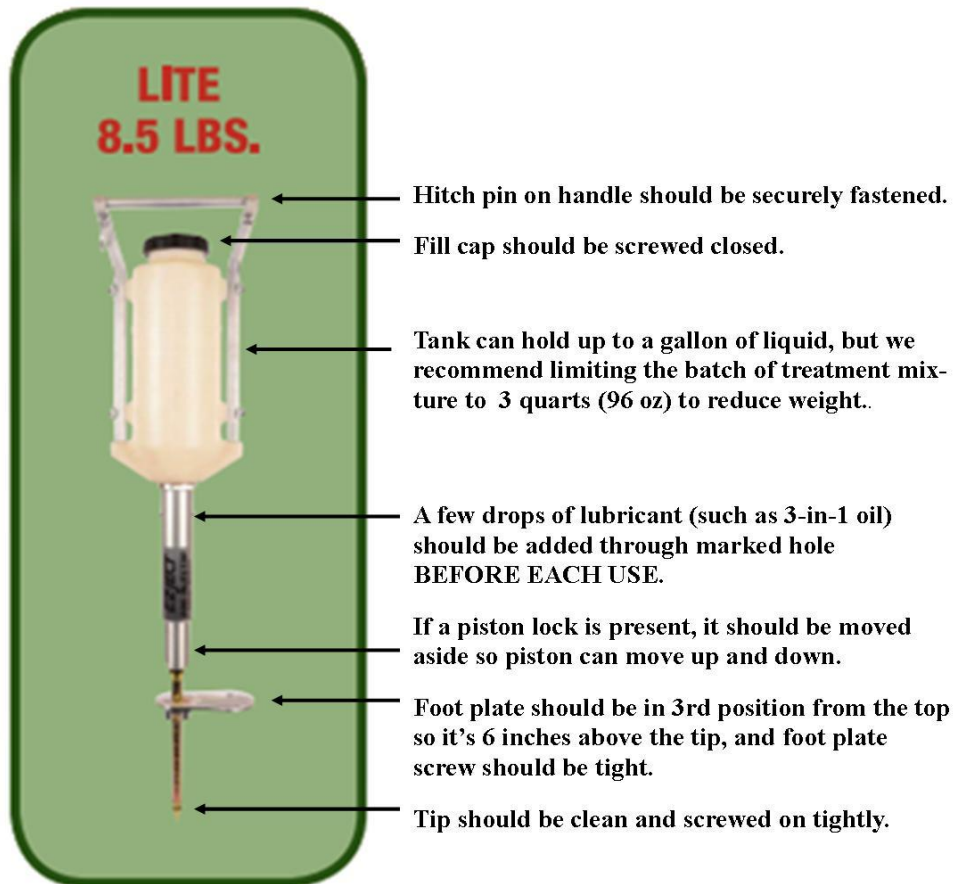


Maintenance & Use, Testing & Adjusting Calibration for SGH EZ-Ject Lite Soil Injector

1. Before using the EZ-Ject Lite soil injector, visually inspect it for proper assembly and damaged or missing parts.



2. Before putting any treatment mixture in the tank, put a quart of plain water into the tank to test it for proper functioning.
3. With the piston lock moved aside, place the injector tip on a solid surface and pump the handle forcefully to ensure water is ejected from the tip 4 – 6 feet in all four directions. If one of the emitter holes is clogged, insert a thin gimlet or metal paperclip all the way through from one side to the other to clear the clog.
4. To test the calibration, place the injector tip into a heavy-duty measuring cup and pump the handle forcefully 12 times and see how many ounces of fluid it dispenses. *Hint: It's a good idea to use a metal bottle cap in the bottom of the measuring cup to prevent the sharp metal tip from puncturing or shattering the cup.*
5. **SGH EZ-Ject injectors dispense a fixed ¼ ounce per pump.**
 - a. If you get **exactly 3 ounces** of liquid from 12 pumps, the injector is working properly.
 - b. If you get **less than 3 ounces**, you will need to adjust the mixing proportions of chemical and water to achieve the correct concentration of active ingredient per ounce of output. See the Alternate Mixing Instructions that begin on the next page.
6. After the test, empty / pump out all the water from the tank before filling it with treatment mixture.



Alternate Mixing Instructions for SGH EZ-Ject Soil Injector

These instructions are for use ONLY with an EZ-Ject soil injector that has a standard output of ¼ ounce per pump but is dispensing less than that. The mixing ratios have been adjusted to achieve the correct concentration of active ingredient per ounce of output. The Dosing instructions remain the same.

If the injector is dispensing **2.75 ounces** of liquid for 12 pumps of the handle, **see page 3.**

If the injector is dispensing **2.5 ounces** of liquid for 12 pumps of the handle, **see page 4.**

If the injector is dispensing **2.25 ounces** of liquid for 12 pumps of the handle, **see page 5.**

If the injector is dispensing **2 ounces** of liquid for 12 pumps of the handle, **see page 6.**

If the injector is dispensing LESS than 3 ounces of liquid for 12 pumps or if you have QUESTIONS, please call the Hemlock Help Line 706-429-8010.

DO NOT ATTEMPT TO TAKE THE INJECTOR APART UNDER ANY CIRCUMSTANCE!!!

For an EZ-Ject Lite injector dispensing 2.75 oz. of liquid for 12 pumps of the handle:



QUICK REFERENCE IMIDACLOPRID CHART

FOR THIS EZ-JECT LITE INJECTOR ONLY – 2.75 oz Output for 12 Pumps

It is the user's responsibility to read and follow the label instructions when using pesticide materials

MIXING		
Product	Imidacloprid 2F or 2L	Imidacloprid 75 WSP
Mixing Ratio	32 fl. oz. water with 14 1/2 fl. oz. product	31 fl. oz. water per 1.6 oz. packet
DOSING		
Inches of Diameter at Breast Height (DBH)	Dosage per Inch DBH Pumps per Inch of Trunk Diameter	Dosage per Inch DBH Pumps per Inch of Trunk Diameter
1-11	1 pump	2 pumps
12-18	1.5* pumps	3 pumps
19-22	2 pumps	4 pumps
>22	3 pumps	6 pumps

NOTE: Trees >22" dbh should be treated 2 years in a row to get the full 5 years of protection.

*To get the equivalent of 1.5 pumps per hole, do 1 pump in half the holes and 2 pumps in the other half, distributing these two levels evenly around the tree.

For more information, please call the Hemlock Help LineSM 706-429-8010 or visit www.savegeorgiashemlocks.org.

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QUICK REFERENCE SAFARI 20 SG CHART

FOR THIS EZ-JECT LITE INJECTOR ONLY – 2.75 oz Output for 12 Strokes

It is the user's responsibility to read and follow the label instructions when using pesticide materials.

MIXING		
Master Batch 10 oz. product with 32 oz. water (1 qt) 20 oz. product with 64 oz. water (2 qts) 29 oz. product with 96 oz. water (3 qts)	Use the special measuring cup that comes with Safari 20 SG to measure the required amount of product and a regular measuring cup to measure the water. If you don't have the special measuring cup, use double the amount of product in a regular measuring cup.	
DOSING		
Inches of Diameter at Breast Height (DBH)	HANDLE PUMPS per Inch DBH	Be sure the calibration ring is set on the red 5.
1 – 15	1.5 pumps	Do 1 pump in half the holes and 2 pumps in the other half.
16 – 19	2 pumps	
20 – 23	2.5 pumps	Do 2 pumps in half the holes and 3 pumps in the other half.
24 - 27	3 pumps	
28 – 31	3.5 pumps	Do 3 pumps in half the holes and 4 pumps in the other half.
32 – 35	4 pumps	
36 – 39	4.5 pumps	Do 4 pumps in half the holes and 5 pumps in the other half.
40 - 43	5 pumps	
44 – 47	5.5 pumps	Do 5 pumps in half the holes and 6 pumps in the other half.
48 +	6 pumps	

Note: Apply Safari® 20SG from Feb 1 to Nov15. For more information, call 706-429-8010 or visit www.savegeorgiashemlocks.org.

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For an EZ-Ject Lite injector dispensing 2.5 oz. of liquid for 12 pumps of the handle:



QUICK REFERENCE IMIDACLOPRID CHART

FOR THIS EZ-JECT LITE INJECTOR ONLY – 2.5 oz. Output for 12 Pumps

It is the user's responsibility to read and follow the label instructions when using pesticide materials

MIXING		
Product	Imidacloprid 2F or 2L	Imidacloprid 75 WSP
Mixing Ratio	32 fl. oz. water with 16 2/3 fl. oz. product	28 fl. oz. water per 1.6 oz. packet
DOSING		
Inches of Diameter at Breast Height (DBH)	Dosage per Inch DBH Pumps per Inch of Trunk Diameter	Dosage per Inch DBH Pumps per Inch of Trunk Diameter
1-11	1 pump	2 pumps
12-18	1.5* pumps	3 pumps
19-22	2 pumps	4 pumps
>22	3 pumps	6 pumps

NOTE: Trees >22" dbh should be treated 2 years in a row to get the full 5 years of protection.

*To get the equivalent of 1.5 pumps per hole, do 1 pump in half the holes and 2 pumps in the other half, distributing these two levels evenly around the tree.

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QUICK REFERENCE SAFARI 20 SG CHART

FOR THIS EZ-JECT LITE INJECTOR ONLY – 2.5 oz. Output for 12 Pumps

It is the user's responsibility to read and follow the label instructions when using pesticide materials.

MIXING		
Master Batch 11 oz. product with 32 oz. water (1 qt) 22 oz. product with 64 oz. water (2 qts) 32 oz. product with 96 oz. water (3 qts)	Use the special measuring cup that comes with Safari 20 SG to measure the required amount of product and a regular measuring cup to measure the water. If you don't have the special measuring cup, use double the amount of product in a regular measuring cup.	
DOSING		
Inches of Diameter at Breast Height (DBH)	HANDLE PUMPS per Inch DBH	Be sure the calibration ring is set on the red 5.
1 – 15	1.5 pumps	Do 1 pump in half the holes and 2 pumps in the other half.
16 – 19	2 pumps	
20 – 23	2.5 pumps	Do 2 pumps in half the holes and 3 pumps in the other half.
24 - 27	3 pumps	
28 – 31	3.5 pumps	Do 3 pumps in half the holes and 4 pumps in the other half.
32 – 35	4 pumps	
36 – 39	4.5 pumps	Do 4 pumps in half the holes and 5 pumps in the other half.
40 - 43	5 pumps	
44 – 47	5.5 pumps	Do 5 pumps in half the holes and 6 pumps in the other half.
48 +	6 pumps	

Note: Apply Safari® 20SG from Feb 1 to Nov15. For more information, call 706-429-8010 or visit www.savegeorgiashemlocks.org.

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For an EZ-Ject injector Lite dispensing 2.25 oz. of liquid for 12 pumps of the handle:



QUICK REFERENCE IMIDACLOPRID CHART

FOR THIS EZ-JECT LITE INJECTOR ONLY – 2.25 oz. Output for 12 Pumps

It is the user's responsibility to read and follow the label instructions when using pesticide materials

MIXING		
Product	Imidacloprid 2F or 2L	Imidacloprid 75 WSP
Mixing Ratio	32 fl. oz. water with 19 2/3 fl. oz. product	25 1/2 fl. oz. water per 1.6 oz. packet
DOSING		
Inches of Diameter at Breast Height (DBH)	Dosage per Inch DBH Pumps per Inch of Trunk Diameter	Dosage per Inch DBH Pumps per Inch of Trunk Diameter
1-11	1 pump	2 pumps
12-18	1.5* pumps	3 pumps
19-22	2 pumps	4 pumps
>22	3 pumps	6 pumps

NOTE: Trees >22" dbh should be treated 2 years in a row to get the full 5 years of protection.

*To get the equivalent of 1.5 pumps per hole, do 1 pump in half the holes and 2 pumps in the other half, distributing these two levels evenly around the tree.

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QUICK REFERENCE SAFARI 20 SG CHART

FOR THIS EZ-JECT LITE INJECTOR ONLY – 2.25 oz. Output for 12 Pumps

It is the user's responsibility to read and follow the label instructions when using pesticide materials.

MIXING		
Master Batch 12 oz. product with 32 oz. water (1 qt) 24 oz. product with 64 oz. water (2 qts) 36 oz. product with 96 oz. water (3 qts)	Use the special measuring cup that comes with Safari 20 SG to measure the required amount of product and a regular measuring cup to measure the water. If you don't have the special measuring cup, use double the amount of product in a regular measuring cup.	
DOSING		
Inches of Diameter at Breast Height (DBH)	HANDLE PUMPS per Inch DBH	Be sure the calibration ring is set on the red 5.
1 – 15	1.5 pumps	Do 1 pump in half the holes and 2 pumps in the other half.
16 – 19	2 pumps	
20 – 23	2.5 pumps	Do 2 pumps in half the holes and 3 pumps in the other half.
24 - 27	3 pumps	
28 – 31	3.5 pumps	Do 3 pumps in half the holes and 4 pumps in the other half.
32 – 35	4 pumps	
36 – 39	4.5 pumps	Do 4 pumps in half the holes and 5 pumps in the other half.
40 - 43	5 pumps	
44 – 47	5.5 pumps	Do 5 pumps in half the holes and 6 pumps in the other half.
48 +	6 pumps	

Note: Apply Safari® 20SG from Feb 1 to Nov15. For more information, call 706-429-8010 or visit www.savegeorgiashemlocks.org.

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For an EZ-Ject injector Lite dispensing 2.0 oz. of liquid for 12 pumps of the handle:



QUICK REFERENCE IMIDACLOPRID CHART

FOR THIS EZ-JECT LITE INJECTOR ONLY – 2.0 oz. Output for 12 Pumps

It is the user's responsibility to read and follow the label instructions when using pesticide materials

MIXING		
Product	Imidacloprid 2F or 2L	Imidacloprid 75 WSP
Mixing Ratio	32 fl. oz. water with 24 fl. oz. product	22 2/3 fl. oz. water per 1.6 oz. packet
DOSING		
Inches of Diameter at Breast Height (DBH)	Dosage per Inch DBH Pumps per Inch of Trunk Diameter	Dosage per Inch DBH Pumps per Inch of Trunk Diameter
1-11	1 pump	2 pumps
12-18	1.5* pumps	3 pumps
19-22	2 pumps	4 pumps
>22	3 pumps	6 pumps

NOTE: Trees >22" dbh should be treated 2 years in a row to get the full 5 years of protection.

*To get the equivalent of 1.5 pumps per hole, do 1 pump in half the holes and 2 pumps in the other half, distributing these two levels evenly around the tree.

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QUICK REFERENCE SAFARI 20 SG CHART

FOR THIS EZ-JECT LITE INJECTOR ONLY – 2.0 oz. Output for 12 Pumps

It is the user's responsibility to read and follow the label instructions when using pesticide materials.

MIXING		
Master Batch 13.5 oz. product with 32 oz. water (1 qt) 27 oz. product with 64 oz. water (2 qts) 41.5 oz. product with 96 oz. water (3 qts)	Use the special measuring cup that comes with Safari 20 SG to measure the required amount of product and a regular measuring cup to measure the water. If you don't have the special measuring cup, use double the amount of product in a regular measuring cup.	
DOSING		
Inches of Diameter at Breast Height (DBH)	HANDLE PUMPS per Inch DBH	Be sure the calibration ring is set on the red 5.
1 – 15	1.5 pumps	Do 1 pump in half the holes and 2 pumps in the other half.
16 – 19	2 pumps	
20 – 23	2.5 pumps	Do 2 pumps in half the holes and 3 pumps in the other half.
24 - 27	3 pumps	
28 – 31	3.5 pumps	Do 3 pumps in half the holes and 4 pumps in the other half.
32 – 35	4 pumps	
36 – 39	4.5 pumps	Do 4 pumps in half the holes and 5 pumps in the other half.
40 - 43	5 pumps	
44 – 47	5.5 pumps	Do 5 pumps in half the holes and 6 pumps in the other half.
48 +	6 pumps	

Note: Apply Safari® 20SG from Feb 1 to Nov15. For more information, call 706-429-8010 or visit www.savegeorgiashemlocks.org.

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