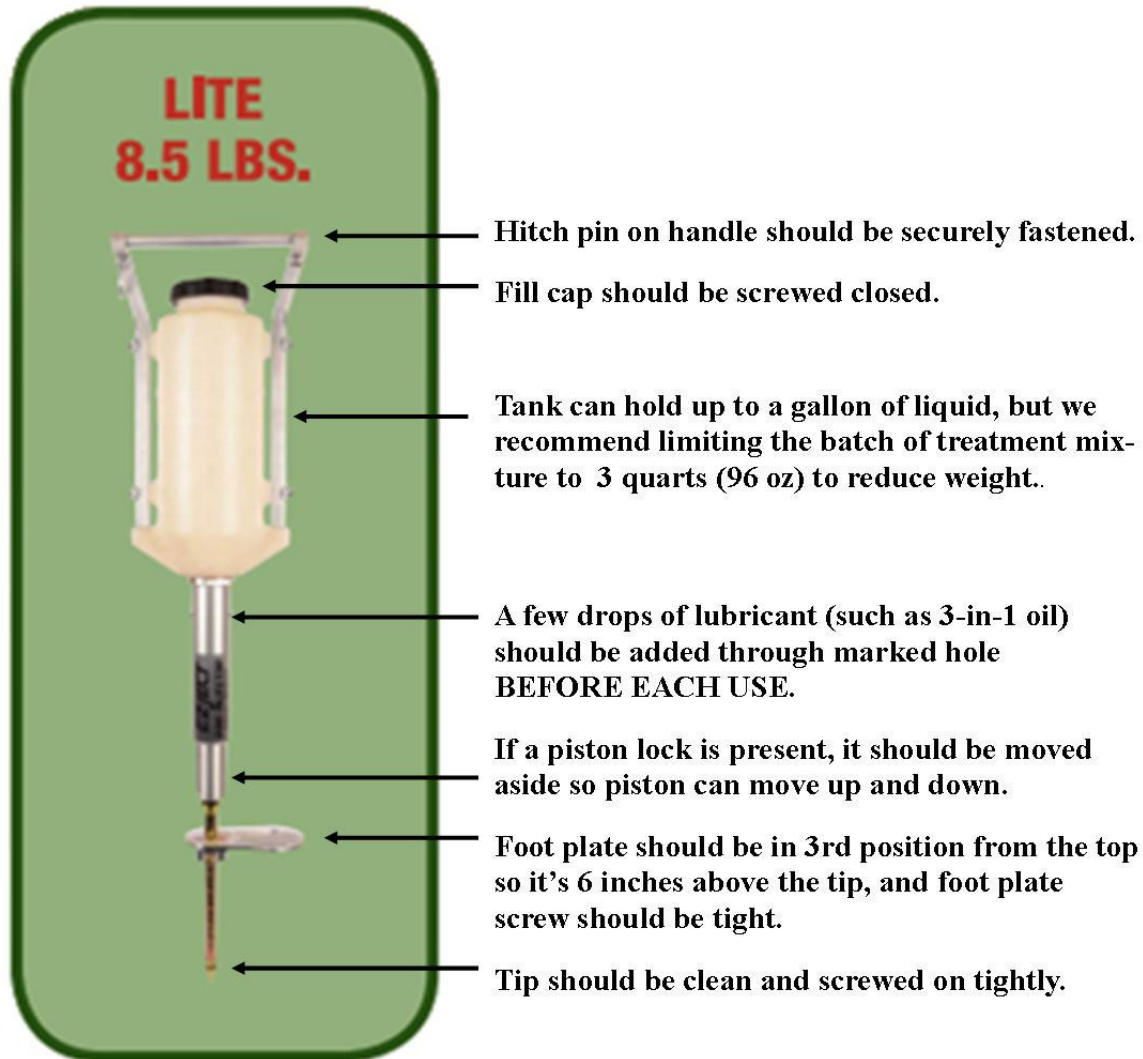


Maintenance & Use, Testing & Adjusting Calibration for EZ-Ject Lite Soil Injector

Inspection Before Each Use

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 (if there is one), 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. If there's leakage around the piston, rotate the piston counter-clockwise against the tank to tighten it.



Calibration Testing Before Each Use

1. To test the calibration, place the injector tip into a heavy-duty measuring cup and pump the handle forcefully either 6 or 12 times (depending on the model) 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.
Hint: If you don't know which model an EZ-Ject is, you can ask the owner. OR you can do 12 pumps in a measuring cup and see if you get 3 ounces (the 1/4 ounce output model) or 6 ounces (1/2 ounce output model).
2. **The EZ-Ject injectors that SGH uses and recommends dispense a fixed 1/4 ounce per pump.**
 - a. If you get exactly 3 ounces of liquid from 12 pumps, the injector is working properly. Use the standard mixing-dosing instructions for an [EZ-Ject with 1/4 ounce output](#) on the Resources page of our web site.
 - 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 "Alternate Mixing Instructions for EZ-Ject with 1/4 Ounce Output" beginning on page 5 of this document.

There is also a model of the EZ-Ject that dispenses a fixed 1/2 ounce per pump. Some (but not all) of the ones the U. S. Forest Service and the Georgia Forestry Commission have are this model.

 - a. If you get exactly 3 ounces of liquid from 6 pumps, the injector is working properly. Use the standard mixing-dosing instructions for an [EZ-Ject with 1/2 ounce output](#) on the Resources page of our web site.
 - 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 "Alternate Mixing Instructions for EZ-Ject with 1/2 Ounce Output" beginning on page 9 of this document.
3. After the test, empty / pump out all the water from the tank before filling it with treatment mixture.

Using the Injector Properly

1. Mix the treatment product in a clean container according to instructions on the [Resources](#) page of our web site. Liquid treatment products may be mixed with cold water, but powdered or granular products dissolve better in warm water. Be sure the treatment material is completely dissolved before pouring it into the injector.
2. To fill the tank, release the hitch pin above the fill cap and push the injector probe into the ground under a hemlock tree so the injector is standing straight up. Unscrew the fill cap, and insert a funnel and medium grid, cone-shaped paper paint filter. Pour the liquid slowly into the tank. It can hold up to 128 ounces (1 gallon) of fluid, but we recommend filling it with just 96 ounces (3 quarts) for weight control.
3. When finished filling, screw the fill cap on and refasten the hitch pin. Begin application process immediately.
4. If the injector has a piston lock, disengage it carefully to allow the piston to move up and down.
5. To dispense the treatment mixture, use the foot pedal to push the probe into the ground. Avoid roots and rocks. Place both hands on the handle and pump firmly and quickly. The whole piston assembly will move up and down.
6. Keep using the injector continuously until the tank is empty. If the injector remains motionless for more than about 10 minutes while there is treatment material in the tank, particulate matter may fall out of suspension and clog the injector, especially if you're using a powdered or granular formulation.
7. If fluid begins to run freely from the tip when you're not pumping the handle, it may be because debris has gotten into one of the ball valves. Try to correct the problem by placing the injector tip on a firm surface (like a rock) and pumping the handle smartly one or two times to try to dislodge the debris. If that doesn't work, call the Hemlock Help Line.
8. Except when in use, keep the piston lock in place (if there is one). When transporting the injector, keep the fill cap upward and the probe downward to avoid leakage or accidental discharge.

Cleaning and Storing the Injector

1. Clean the injector *immediately* after each use.
 - a. If there is treatment solution left in the tank when you pause for a break during the day, pour it into a mixing jug and cover the jug with a dark towel to protect it from sunlight. You can use this mixture to reload the injector when you're ready to resume treating.
 - b. Try to use all the mixture in the tank before you're finished for the day, but if there's a small amount left, you can pour it or inject it under a hemlock. Don't pour it into a stream or down a drain. Mixed solution doesn't store well.
2. To clean the injector, put a couple cups of plain water into the tank, shake the injector vigorously in all directions to wash the treatment mixture from all parts of the device, and pump the water through until the emission runs clear. You should do this at least three times. Be sure that water is shooting out from the emission jets equally in all four directions when you're finished rinsing the tank.
3. Remove any dirt or debris from the injector (especially the probe), dry it, and store it upside down in a clean dry place where it will not freeze in the winter.

DO NOT ATTEMPT TO TAKE AN EZ-JECT INJECTOR APART UNDER ANY CIRCUMSTANCE!!!

**If you have any questions about the testing, adjusting, use, cleaning, or storage procedures,
or if you need help in diagnosing an injector malfunction,
call the Hemlock Help Line 706-429-8010.**

Alternate Mixing Instructions for EZ-Ject Soil Injector

For an EZ-Ject soil injector with a standard output of 1/4 ounce per pump but is dispensing less:

If the injector is dispensing **2.75 ounces** of liquid for **12 pumps** of the handle, see page 5.

If the injector is dispensing **2.5 ounces** of liquid for **12 pumps** of the handle, see page 6.

If the injector is dispensing **2.25 ounces** of liquid for **12 pumps** of the handle, see page 7.

If the injector is dispensing **2 ounces** of liquid for **12 pumps** of the handle, see page 8.

For an EZ-Ject soil injector with a standard output of 1/2 ounce per pump but is dispensing less:

If the injector is dispensing **2.75 ounces** of liquid for **6 pumps** of the handle, see page 9.

If the injector is dispensing **2.5 ounces** of liquid for **6 pumps** of the handle, see page 10.

If the injector is dispensing **2.25 ounces** of liquid for **6 pumps** of the handle, see page 11.

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

For a 1/4-oz. EZ-Ject dispensing 2.75 oz. of liquid for 12 pumps:



QUICK REFERENCE IMIDACLOPRID CHART

FOR THIS 1/4 Oz. 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 1/4 Oz. EZ-JECT 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 for EZ-Ject Injector	
Mix in a ratio of 5 oz. of product per quart (32 oz.) of water.	
DOSING	
Inches DBH	Soil Injection (EZ-Ject): HANDLE PUMPS per Inch DBH
1 – 15	3 pumps
16 – 19	4 pumps
20 – 23	5 pumps
24 – 27	6 pumps
28 – 31	7 pumps
32 – 35	8 pumps
36 – 39	9 pumps
40 – 43	10 pumps
44 – 47	11 pumps
48 +	12 pumps

Use the specially marked measuring cup that comes with your purchase of Safari to measure the required amount of product and a regular measuring cup to measure the amount of water. Note that the numbers printed on the special measuring cup refer to ounces of Safari 20 SG *by weight* and are *not* the same as *fluid ounces of volume* in a regular measuring cup.

If you don't have the special measuring cup, you can use a regular measuring cup with the following conversion factor for Safari 20 SG:

5 oz. of Safari by weight =
10 fl. oz. by volume in a regular measuring cup.

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 a 1/4–oz. EZ-Ject dispensing 2.5 oz. of liquid for 12 pumps:



QUICK REFERENCE IMIDACLOPRID CHART

FOR THIS 1/4 Oz. 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.

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 1/4 Oz. EZ-JECT INJECTOR ONLY – 2.5 oz Output for 12 Strokes

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

MIXING	
<p>Master Batch for EZ-Ject Injector</p> <p>Mix in a ratio of 5.5 oz. of product per quart (32 oz.) of water.</p>	
DOSING	
Inches DBH	Soil Injection (EZ-Ject): PUMPS per Inch DBH
1 – 15	3 pumps
16 – 19	4 pumps
20 – 23	5 pumps
24 - 27	6 pumps
28 – 31	7 pumps
32 – 35	8 pumps
36 – 39	9 pumps
40 - 43	10 pumps
44 – 47	11 pumps
48 +	12 pumps

Use the specially marked measuring cup that comes with your purchase of Safari to measure the required amount of product and a regular measuring cup to measure the amount of water. Note that the numbers printed on the special measuring cup refer to ounces of Safari 20 SG *by weight* and are *not* the same as *fluid ounces of volume* in a regular measuring cup.

If you don't have the special measuring cup, you can use a regular measuring cup with the following conversion factor for Safari 20 SG:

5.5 oz. of Safari by weight =
11 fl. oz. by volume in a regular measuring cup.

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 a 1/4–oz. EZ-Ject dispensing 2.25 oz. of liquid for 12 pumps:



QUICK REFERENCE IMIDACLOPRID CHART

FOR THIS 1/4 Oz. 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.

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 1/4 Oz. EZ-JECT INJECTOR ONLY – 2.5 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 for EZ-Ject Injector	
Mix in a ratio of 5.5 oz. of product per quart (32 oz.) of water.	
DOSING	
Inches DBH	Soil Injection (EZ-Ject): PUMPS per Inch DBH
1 – 15	3 pumps
16 – 19	4 pumps
20 – 23	5 pumps
24 - 27	6 pumps
28 – 31	7 pumps
32 – 35	8 pumps
36 – 39	9 pumps
40 - 43	10 pumps
44 – 47	11 pumps
48 +	12 pumps

Use the specially marked measuring cup that comes with your purchase of Safari to measure the required amount of product and a regular measuring cup to measure the amount of water. Note that the numbers printed on the special measuring cup refer to ounces of Safari 20 SG *by weight* and are *not* the same as *fluid ounces of volume* in a regular measuring cup.

If you don't have the special measuring cup, you can use a regular measuring cup with the following conversion factor for Safari 20 SG:

5.5 oz. of Safari by weight =
11 fl. oz. by volume in a regular measuring cup.

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 a 1/4-oz. EZ-Ject dispensing 2.0 oz. of liquid for 12 pumps:



QUICK REFERENCE IMIDACLOPRID CHART

FOR THIS 1/4 Oz. 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 1/4 Oz. EZ-JECT INJECTOR ONLY – 2.0 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 for EZ-Ject Injector	
Mix in a ratio of 6.75 oz. of product per quart (32 oz.) of water.	
DOSING	
Inches DBH	Soil Injection (EZ-Ject): PUMPS per Inch DBH
1 – 15	3 pumps
16 – 19	4 pumps
20 – 23	5 pumps
24 - 27	6 pumps
28 – 31	7 pumps
32 – 35	8 pumps
36 – 39	9 pumps
40 - 43	10 pumps
44 – 47	11 pumps
48 +	12 pumps

Use the specially marked measuring cup that comes with your purchase of Safari to measure the required amount of product and a regular measuring cup to measure the amount of water. Note that the numbers printed on the special measuring cup refer to ounces of Safari 20 SG *by weight* and are *not* the same as *fluid ounces of volume* in a regular measuring cup.

If you don't have the special measuring cup, you can use a regular measuring cup with the following conversion factor for Safari 20 SG:

6.75 oz. of Safari by weight =
13.5 fl. oz. by volume in a regular measuring cup.

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 a 1/2–oz. EZ-Ject dispensing 2.75 oz. of liquid for 6 pumps:



QUICK REFERENCE IMIDACLOPRID CHART

FOR THIS 1/2 Oz. EZ-JECT LITE INJECTOR ONLY – 2.75 oz Output for 6 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 6 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 1/2 Oz. EZ-JECT INJECTOR ONLY – 2.75 oz Output for 6 Strokes

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

MIXING	
Master Batch for EZ-Ject Injector	
Mix in a ratio of 2.5 oz. of product per quart (32 oz.) of water.	
DOSING	
Inches DBH	Soil Injection (EZ-Ject): HANDLE PUMPS per Inch DBH
1 – 15	3 pumps
16 – 19	4 pumps
20 – 23	5 pumps
24 - 27	6 pumps
28 – 31	7 pumps
32 – 35	8 pumps
36 – 39	9 pumps
40 - 43	10 pumps
44 – 47	11 pumps
48 +	12 pumps

Use the specially marked measuring cup that comes with your purchase of Safari to measure the required amount of product and a regular measuring cup to measure the amount of water. Note that the numbers printed on the special measuring cup refer to ounces of Safari 20 SG *by weight* and are *not* the same as *fluid ounces of volume* in a regular measuring cup.

If you don't have the special measuring cup, you can use a regular measuring cup with the following conversion factor for Safari 20 SG:

2.5 oz. of Safari by weight =
5 fl. oz. by volume in a regular measuring cup.

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 a 1/2–oz. EZ-Ject dispensing 2.5 oz. of liquid for 6 pumps:



QUICK REFERENCE IMIDACLOPRID CHART

FOR THIS 1/2 Oz. EZ-JECT LITE INJECTOR ONLY – 2.5 oz. Output for 6 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 6 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.

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 1/2 Oz. EZ-JECT INJECTOR ONLY – 2.5 oz Output for 6 Strokes

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

MIXING	
<p>Master Batch for EZ-Ject Injector</p> <p>Mix in a ratio of 2.75 oz. of product per quart (32 oz.) of water.</p>	
DOSING	
Inches DBH	Soil Injection (EZ-Ject): PUMPS per Inch DBH
1 – 15	3 pumps
16 – 19	4 pumps
20 – 23	5 pumps
24 - 27	6 pumps
28 – 31	7 pumps
32 – 35	8 pumps
36 – 39	9 pumps
40 - 43	10 pumps
44 – 47	11 pumps
48 +	12 pumps

Use the specially marked measuring cup that comes with your purchase of Safari to measure the required amount of product and a regular measuring cup to measure the amount of water. Note that the numbers printed on the special measuring cup refer to ounces of Safari 20 SG by *weight* and are *not* the same as *fluid ounces of volume* in a regular measuring cup.

If you don't have the special measuring cup, you can use a regular measuring cup with the following conversion factor for Safari 20 SG:

2.75 oz. of Safari by weight =
5.5 fl. oz. by volume in a regular measuring cup.

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 a 1/2–oz. EZ-Ject dispensing 2.25 oz. of liquid for 6 pumps:



QUICK REFERENCE IMIDACLOPRID CHART

FOR THIS 1/2 Oz. EZ-JECT LITE INJECTOR ONLY – 2.25 oz. Output for 6 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 7.5 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 1/2 Oz. EZ-JECT INJECTOR ONLY – 2.25 oz Output for 6 Strokes

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

MIXING	
Master Batch for EZ-Ject Injector Mix in a ratio of 3 oz. of product per quart (32 oz.) of water.	
DOSING	
Inches DBH	Soil Injection (EZ-Ject): HANDLE PUMPS per Inch DBH
1 – 15	3 pumps
16 – 19	4 pumps
20 – 23	5 pumps
24 - 27	6 pumps
28 – 31	7 pumps
32 – 35	8 pumps
36 – 39	9 pumps
40 - 43	10 pumps
44 – 47	11 pumps
48 +	12 pumps

Use the specially marked measuring cup that comes with your purchase of Safari to measure the required amount of product and a regular measuring cup to measure the amount of water. Note that the numbers printed on the special measuring cup refer to ounces of Safari 20 SG by *weight* and are *not* the same as *fluid ounces of volume* in a regular measuring cup.

If you don't have the special measuring cup, you can use a regular measuring cup with the following conversion factor for Safari 20 SG:

3 oz. of Safari by weight =
6 fl. oz. by volume in a regular measuring cup.

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 a 1/2–oz. EZ-Ject dispensing 2 oz. of liquid for 6 pumps:



QUICK REFERENCE IMIDACLOPRID CHART

FOR THIS 1/2 Oz. EZ-JECT LITE INJECTOR ONLY – 2.0 oz. Output for 6 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 8.7 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 1/2 Oz. EZ-JECT INJECTOR ONLY – 2.0 oz Output for 6 Strokes

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

MIXING	
Master Batch for EZ-Ject Injector	
Mix in a ratio of 3 1/3 oz. of product per quart (32 oz.) of water.	
DOSING	
Inches DBH	Soil Injection (EZ-Ject): PUMPS per Inch DBH
1 – 15	3 pumps
16 – 19	4 pumps
20 – 23	5 pumps
24 – 27	6 pumps
28 – 31	7 pumps
32 – 35	8 pumps
36 – 39	9 pumps
40 – 43	10 pumps
44 – 47	11 pumps
48 +	12 pumps

Use the specially marked measuring cup that comes with your purchase of Safari to measure the required amount of product and a regular measuring cup to measure the amount of water. Note that the numbers printed on the special measuring cup refer to ounces of Safari 20 SG by *weight* and are *not* the same as *fluid ounces of volume* in a regular measuring cup.

If you don't have the special measuring cup, you can use a regular measuring cup with the following conversion factor for Safari 20 SG:

3 1/3 oz. of Safari by weight =
6 2/3 fl. oz. by volume in a regular measuring cup.

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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