

# Applying Imidacloprid 75 WSP (2.25 oz) by Soil Drench

Each 2.25-ounce packet of Imidacloprid 75 WSP will treat an average of 63 diameter inches.

**Step 1.** To make a master batch of treatment mixture, put the required amount of water in a mixing container first. **Warm water works best.** Then add the corresponding number of packets shown in the Mixing chart below and shake well until all the powder and covering of the packet are dissolved.

MIXING THE MASTER BATCH	
Amount of Product	Amount of Water
Put 1 entire 2.25 oz packet into water; don't open the packet.	32 fl oz
2 packets	64 fl oz
3 packets	96 fl oz
4 packets	128 fl oz (1 gallon)

**Step 2.** Measure the trunk diameter at breast height, referred to as “dbh.” To get the diameter, wrap a regular measuring tape around the trunk at 4 ½ feet above the ground and divide by  $\pi$  3.14. Or you can use a diameter tape and read the diameter at the zero mark, not the metal tip; no math required.

**Step 3.** Rake back any leaf litter, needle duff or debris from the base of the tree so that bare soil is accessible. At a distance of **no more than 12 inches from the base of the tree**, use a piece of rebar to make one hole in the soil for each inch of trunk diameter. The holes should be evenly spaced around the tree and **no deeper than 2-4 inches**. Note: For trees that are smaller than 4 inches in diameter, make a **minimum of 4 shallow holes** around the tree.

**Step 4.** Treatment is done on an **individual tree** basis. Use the Dosing table below to determine how many ounces of treatment mixture the tree needs by multiplying its trunk diameter by the number of ounces shown to the right of the size range.

DOSING EACH TREE	
Inches in Diameter (DBH)	Oz of TREATMENT MIXTURE per Inch DBH
1-11	1/3 fl oz solution
12-18	1/2 fl oz solution
19-22	2/3 fl oz solution
>22 should be treated two consecutive years.	1 fl oz solution

**Step 5.** Use a measuring cup to measure out exactly the required amount of treatment mixture for the tree and put it into a larger pouring container. **Then add more water** to the pouring container to make it easier to distribute the material evenly around the tree. Usually a gallon of water is sufficient for trees up to 12 inches in diameter. Add more water if the tree is larger.

**Step 6.** Pour the entire amount of treatment mixture into the holes and all around the base of the tree slowly to avoid runoff and be sure to use it all up on the intended tree. When you're finished treating each tree, mark it to indicate it's been treated. Give the treatment time to dry before children or pets are allowed in the area.

**CALL THE HEMLOCK HELP LINE 706-429-8010 WITH ANY QUESTIONS.**

