



# 5-30-30 DOGGETT'S PROFESSIONAL ROOT PUSHER TREE FOOD

## GUARANTEED ANALYSIS

**Total Nitrogen (N)\* ..... 5.0%**

1.85% Urea Nitrogen

2.50% Water Insoluble Nitrogen (WIN)

0.65% Slow Release Water Soluble Nitrogen (SRN)

**Available Phosphate (P<sub>2</sub>O<sub>5</sub>).....30.0%**

**Soluble Potash (K<sub>2</sub>O)..... 30.0%**

**Sulfur ..... 3.69%**

### Secondary Elements

**Copper (Cu).....0.05%**

**Iron (Fe) ..... 0.10%**

.10% Chelated Iron (Fe)

**Manganese (Mn) .....0.05%**

.05% Water Soluble Manganese (Mn)

**Zinc (Zn) .....0.05%**

### NUTRIENTS DERIVED FROM:

Ureaform, Urea, Monopotassium Phosphate, Potassium Sulfate, Iron EDTA, Manganese Sulphate, Zinc Sulphate, Copper Sulfate

### NON-PLANT FOOD

#### INGREDIENTS:

1% Humates per Total Wt.

**\*THIS PRODUCT CONTAINS 2.5%**

**Water Insoluble Nitrogen from**

**Ureaform.**

*Information regarding the contents and levels of metals in this product is available on the internet at <http://aapfco.org/metals.htm>*

## 5-30-30 ROOT PUSHER

is formulated for the professional arborist. Because of its high Ureaform content it does not dissolve completely, but with strong agitation remains in suspension. THE DOGGETT CORPORATION has suspending agents for rigs with poor agitation. Over half of the Nitrogen is derived from Ureaform. This unique Ureaform fertilizer releases its available Nitrogen over the entire growing season. Any not released during the first season will carry over to the following year. Ureaform is non-leaching. Bacteria converts the more soluble fraction of the Nitrogen so that 1/3 is released in the first three to five weeks, the balance over 6 to 12 months.

### LATE SUMMER AND FALL FEEDING

Early spring and summer are the ideal times to fertilize trees as they have the entire growing season to develop. However, this is also the busy spraying time so that it is not always possible to feed then. Late summer and fall are an excellent time to feed. We know that root growth is most vigorous into late fall and early winter and fertilizer applied during this period is very beneficial to the tree. Any fertilizer not used at this time will be available when growth begins in the spring. Since we do not wish to stimulate soft growth late in the season but wish to feed the tree for a good wintering and a strong start in the spring, low nitrogen formulas are recommended. 5-30-30 ROOT PUSHER is formulated specifically for late summer and fall use.

### Dilution Table

#### ROOT PUSHER

15 lbs.

30 lbs.

#### WATER

100 gallons

200 gallons

## APPLICATION

90% of feeder roots are in the top 12 inches of soil with the majority in the first 6 inches. They start well out from the trunk and extend well beyond the dripline in most cases. This is the area to be injected with DOGGETT ROOT PUSHER. Soil injection should be 4 to 6 inches deep using an injector probe at 150 to 200 PSI.

We recommend that you apply 3 to 4 pounds of actual Phosphate (P<sub>2</sub>O<sub>5</sub>) and Potash (K<sub>2</sub>O) per 1,000 sq. ft. injected into this area.

Injection should begin out from the trunk and be spaced 2½ feet apart, injecting on a grid extending beyond the dripline. Apply 150 gallons to each 2,000 square feet. Following the grid method outlined, you should inject approximately 1/2 gallon of fertilizer solution at each point.

**TO CALIBRATE** your particular rig and its operator, we suggest you find out how long it takes to inject 1/2 gallon of solution into a bucket. This will probably take 2 to 4 seconds. Count off the seconds and use this same count and cadence while injecting the probe at each point in the soil.

### TRUNK RATE OF APPLICATION

Use dilution rate as shown in table (15 lbs. in 100 gallons of water). Apply the solution at the rate of 5 gallons per inch of trunk diameter

### CROWN SPREAD TECHNIQUE

(concentric circles)

Inject 150 gallons over 2,000 square feet. Space injection points at 2 ½ sq. ft. intervals, starting well out from the trunk and extending well beyond the dripline in unencumbered soils.

### FIVE GALLONS OF FERTILIZER SOLUTION PER INCH OF TRUNK DIAMETER

Example: Tree Trunk 12" times 5 gallons = 60 gallons of solution

**NET WT. 30 LB.**

*The manufacturer disclaims all responsibility for damage to plants and equipment through the use of this product whether used in accordance with directions or not.*

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