DOGGETT'S PROFESSIONAL
12-24-24
FALL TREE FERTILIZER

GUARANTEED ANALYSIS:

Total Nitrogen (N) * 12.00%
5.04% Urea Nitrogen
1.96% Slowly Available Water Soluble Nitrogen
5.0% Water Insoluble Nitrogen*
Available Phosphate (P_2O_5) 24.00%
Soluble Potash (K_2O) 24.00%

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, Potassium Phosphate, Sulfate of Potash, Iron Chelate EDTA, Copper Sulfate, Manganese Sulfate, Zinc Sulfate.

***THIS PRODUCT CONTAINS 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

12-24-24 FALL TREE FERTILIZER 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. FALL TREE FERTILIZER 12-24-24 is formulated specifically for late summer and fall use.

LOW SALT INDEX: The lower the salt index per unit of plant nutrient in each ingredient of the fertilizer, the less risk of crop injury in periods of drought or with localized placement of concentrated fertilizer. DOGGETT TREE FERTILIZER has a low salt index.

DILUTION TABLE	
FALL FERTILIZER	**WATER**
15 LBS.	**100 GALLONS**
30 LBS.	**200 GALLONS**
75 LBS.	**500 GALLONS**

APPLICATION 90% of tree feeder roots are in the top two feet of soil with most in the first 12 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 TREE FERTILIZER. Soil injection should be 8 to 12 inches deep using an injector probe at 150 to 200 pounds pressure.

We recommend that you apply 2 to 3 pounds of actual Phosphate (P_2O_5) and Potash (K_2O) 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. Based on the 2 ½ ft. spacing, this will apply 150 gallons of solution over 2,000 square feet which provides 1.35 lbs. of Nitrogen, 2.7 lbs. of Phosphate and 2.7 lbs. of Potash per 1,000 square feet.

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 5gallons = 60 gallons of solution.*

NON-WARRANTY: 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.

Net Wt. 30 Lbs. (13.6 kg)

UREA NITRATE; CAS NO.	#124-47-0
UREAFORM; CAS NO.	#9011-05-6
POTASSIUM SULFATE; CAS NO.	#7778-80-5
POTASSIUM PHOSPHATE; CAS NO.	#7778-77-0