



TURF & ORNAMENTAL

# Autumn Care 6-12-12

- Boosts P & K levels for winter prep
- Chelated micronutrients for easy plant absorption
- Easy to use for low volume soil injection
- With slow-release Nitrogen

Net Contents: 2.5 Gallon (9.46 Liter)

Net Weight: 26.2 lbs (12.5 kg)

# Autumn Care 6-12-12

F002873

## Guaranteed Analysis:

Total Nitrogen (N) . . . . .	6%
4.4% Urea Nitrogen	
0.3% Ammoniacal Nitrogen	
1.3% Water Soluble Nitrogen*	
Available Phosphate (P <sub>2</sub> O <sub>5</sub> ) . . . . .	12%
Soluble Potash (K <sub>2</sub> O) . . . . .	12%
Iron (Fe) . . . . .	1%
1% Chelated Iron (Fe)	
Manganese (Mn) . . . . .	0.3%
0.3% Chelated Manganese (Mn)	

Derived From: Manganese EDTA, Urea, Urea-Triazone Solution, Potassium Carbonate, Ammonium Polyphosphate, Iron EDTA.

\*1.3% slowly available Nitrogen from Urea-Triazone Solution.

## Product Specifications:

Weight per gallon . . . . .	10.48 lbs
Weight per Liter . . . . .	1.25 Kg
pH . . . . .	8
1 gallon contains . . . . .	0.62 lbs Nitrogen
1 Liter contains . . . . .	.058 Kg Nitrogen

## Product Description:

Phosphorus and potassium are critical in fall applications of trees, ornamentals and vines. Autumn Care contains 1.5% slow release nitrogen from Urea-Triazone Solution and it is safe and reliable with a low salt index for delicate roots. It also provides excellent residual N release, does not leach and will remain in the soil for spring uptake. Our potassium is a soluble, non-chloride source. Since all Douglas Plant Health fertilizers are TRUE SOLUTIONS they are ideal for spray applications on turf, foliar feeding and soil injection of trees and ornamentals. Autumn Care will not settle out of solution and needs no special agitation. It is non-clogging and non-abrasive to equipment with a near neutral pH. Autumn Care is compatible with most pesticides and can be tank-mixed for application.

## Storage & Handling:

Wash face, hands and any exposed skin thoroughly after handling. Do not eat, drink or smoke when using

Condition of Sale and Warranty: Douglas Plant Health, Inc. warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. Handling, storage and use of the product by Buyer or User are beyond the control of Douglas Plant Health and Seller. Risks such as crop injury or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pests, drift to other crops or property, or failure to follow label directions will be assumed by Buyer or User. IN NO CASE WILL DOUGLAS PLANT HEALTH, INC OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT

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

this product. Wear protective gloves/protective clothing/eye protection/face protection. Harmful to aquatic life with long lasting effects.

**Dilution:** Autumn Care can be diluted by either adding the concentrate to water, or the water to the concentrate. Water should be added prior to adding pesticides.

**Mixing:** High quality buffers allow Autumn Care to be blended with acidic or alkaline materials without detrimental effects. The following mixing procedures should be used after Autumn Care has been diluted with water. Add products to mix in this order: 1. wettable powders, 2. flowables, 3. water solubles, 4. surfactants, 5. emulsifiable concentrates. Be sure to agitate during each addition. It is recommended to apply all of mixture in one day.

**NOTE:** Do not apply near water, storm drains or drainage ditches. Do not apply if heavy rain is expected. Apply this product only to your lawn/garden and sweep any product that lands on the driveway, sidewalk or street back onto your lawn/garden.

Information about the components of this lot of fertilizer may be obtained by writing to Douglas Plant Health, 1550 E. Old 210 Highway, Liberty, MO 64068 and giving the lot number which is printed on the front of the container.

FIRST AID	
IF SWALLOWED:	Call a poison center or doctor. Rinse mouth.
IF IN EYES:	Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to accomplish. Continue rinsing. If eye irritation persists, seek medical advice/attention.
IF ON SKIN:	Wash with plenty of water and soap. Take off contaminated clothing and wash before reuse. If skin irritation occurs: Get medical advice/attention..
You may also contact 1-352-323-3500 day or night for emergency treatment information. If medical advice is needed, have product container or label at hand (P101), Keep out of reach of children (P102), Read label before use (P103).	
STORAGE: Keep container tightly closed. May be stored in unheated area, but keep from freezing. Store in areas inaccessible to children and pets.	
DISPOSAL: Dispose of contents/container to an approved waste disposal plant and in accordance with local, regional, national and international regulations. Do not reuse container.	

The following precautionary statements and pictograms are based on the Globally Harmonized System of classification and labeling of chemicals (GHS) and are mandated by the Occupational Safety and Health Administration (OSHA).

## Warning

H303 May be Harmful if Swallowed  
H316 Causes Skin Irritation  
H320 Causes Serious Eye Irritation



## Douglas Plant Health

1550 E. Old 210 Highway  
Liberty, MO 64068

(800) 648-7626

[www.DouglasPlantHealth.com](http://www.DouglasPlantHealth.com)



### Tree Care DBH Method

Lb. Nitrogen per Inch DBH	6-12-12 per 100 Gal of Water
1/18 (0.05 lb)	2.5 Gallons
1/28 (0.035 lb)	1.75 Gallons

Apply 2 gallons of tank mix per inch diameter. Always measure diameter at 4 1/2 feet above ground level

### Application Rate for Soil Injection or Soil Drench 30 gallons Tank Mix per 1,000 sq. ft. or 2 gallons per DBH

Tank Size in Gallons	Quantity of 6-12-12	
	1/3 lb N 2/3 lb P 2/3 lb K	1/2 lb N 1 lb P 1 lb K
100	1.75 gal	2.5 gal
150	2.63 gal	3.75 gal
300	5.25 gal	7.5 gal
600	10.5 gal	15 gal
1,000	17.5 gal	25 gal

For ground area method, measure below drip line of tree. Rates of 1/2 -2 lbs of nitrogen are recommended. Do not apply more than 1/2 lb of Nitrogen per 1,000 sq. ft. if applied to turf.  
Evergreens usually require slightly higher nitrogen than deciduous trees.

### Total Solution Needed per Inch DPH for Soil Injection Sites

DBH Inches (Diameter Breast High) at 4 1/2 feet High	Gallons Total Solution Needed per 2 Gallons per Inch DBH	Injection Sites Based on 1/2 Gallon per Hole at 4 ft. Spacing	Total sq. ft. Covered at 4 ft. Spacing
2	4	8	128
4	8	16	256
6	12	24	384
8	16	32	512
10	20	40	640
12	24	48	768

### 6-12-12 Nitrogen per Liquid Ounce (ml)

Apply at Desired Nitrogen Rate per 1,000 sq. ft. (100 sq. m.)

6-12-12	Nitrogen Rate	Application Timing
20 oz 295 ml	1/10 lb. N 46 g N	Apply every 7-14 days.
25.5 oz 754 ml	1/8 lb. N 56 g N	Apply every 7-14 days.
51 oz 1.5 L	1/4 lb. N 117 g N	Apply every 21-28 days.
102 oz 3 L	1/2 lb. N 235 g N	Apply every 42-56 days.

### Trees, Shrubs and Other Ornamentals in Landscapes, Containers and Field Nurseries (Including All Vine, Bine and Vegetable Crops)

Applications	Rate per acre (Ha)/100 gal	Frequency/Notes
Foliar Sprays	32-64 oz 2.5-5 liter per Ha	Apply monthly to runoff during the growing season or as needed.
Soil Drench	64-128 oz. 2.5-5 liter per Ha	Thoroughly drench soil at rate of 4-6 gal total solution per 1,000 sq. ft.
Soil Injection	64-128 oz. per 100 gal 2.5-5 liter per 387 liters	Inject into soil at a rate of 2 gal per DBH in a pattern of 4-ft. increments

### Nursery Injection Systems - NOT Meant for High Peat Moss Media in Low Sunlight Areas

Injector Ratio	PPM Desired	Rate per Gallon Stock Tank to Deliver Desired PPM
1:100	100 PPM Nitrogen	16 oz per gallon stock tank 473 ml per 3.79 liters