



# POLYON\*<sup>®</sup> 42 42-0-0

**DESCRIPTION:** POLYON<sup>®</sup>, POLYMER-COATED UREA (PCU), IS A NEW ADVANCED FERTILIZER COATING TECHNOLOGY WHICH VERY PRECISELY CONTROLS THE RELEASE OF NUTRIENTS TO MEET THE PROLONGED FEEDING REQUIREMENTS OF TURFGRASS AND ORNAMENTALS.

**BENEFITS: POLYON<sup>®</sup> 42:**

- all the nutrients (100%) are controlled-release, no immediate release.
- turf response of 12-16 weeks can be expected. All the nutrients are released during that time period, (no unreleased portions remaining).
- is very tough and durable. Polyon resists breakage during blending, bagging and spreading. No quick premature release of nitrogen to burn foliage from cracked or damaged particles.
- release mechanism by osmosis for a constant gradual diffusion of nutrients through the ultra thin polymer coating. Release is unaffected by varying amounts of soil moisture, microbes or pH levels.
- is environmentally sound technology. Metered release of nutrients closely match plant nutrient uptake capacities.



**APPLICATION RATES:**

	Lbs. of Actual Nitrogen desired per 1,000 sq.ft.	Lbs. of Polyon To apply per 1,000 sq.ft.	Kg. of Polyon To apply per Acre
Turfgrass:	1.0	2.3	104
	1.5	3.6	155
	2	4.8	207

POLYON 42 TEMPERATURE RELEASE RATES	
60°F	= 18-22 weeks
70°F	= 12-16 weeks
80°F	= 8-10 weeks

**NOTE:** POLYON 42 is 100% controlled release, no initial quick green-up should be expected. Allow approximately 5 to 7 days for visible turf response. Adequate phosphorus and potassium should be available for optimum plant growth.

**GROUND COVER:** Broadcast at 4 lbs. per 1,000 sq.ft. (1/2 lb. per 100 sq.ft.).

**SHRUBS & EVERGREENS:** Sprinkle 1/2 cup evenly around dripline of plant and work into top 1 inch of soil.

**TREES:** Apply 1/2 lb. per 1 inch of trunk diameter. Distribute evenly under branches out to dripline.

**TREE & SHRUB NURSERIES:** In early spring, as soon as soil is passible, broadcast at 300 lbs. per acre between rows. Adjust P & K according to soils. For nursery and forestry seed or propagation beds, apply 5 lbs. per 1,000 sq. ft. along with adequate phosphate and potash.

**CONTAINER & GREENHOUSE SOIL MIXES:** Seedlings—1/2 lb. plus 1 lb. superphosphate and 1/2 lbs. sulfate of potash or other low salt index equivalent per cubic yard of mix.

**NOTE:** Liquid measuring cups are very close in estimating the weight of dry granular fertilizers.

*Example:* an 8 oz. (1 cup) measuring cup holds approximately 8 oz. of dry granular fertilizer.

**PRODUCT COVERAGE:**

Based on the Recommended Turfgrass Rate

ONE 40 LB. BAG COVERS 8,300 - 17,300 SQ. FT.  
2 1/2 - 5 1/4 - 40 LB. BAGS COVER 1 ACRE

**SPREADER SETTINGS:**

Listed Settings Will Approximately Apply A 2# Rate/1000

BEST <sup>®</sup> Pro	.....	5 1/4 B	
BEST <sup>®</sup> Model 34, 44, 64	.....	4.8	← — — — —
Cyclone Model B	.....	4.8	
Scotts	.....	L	— — — — →
Lely Type W Wheel-driven	.....	5.7	

**NOTE:** Spreader settings are guidelines only. Spreaders should be checked for accuracy.

**APPLICATION PRECAUTIONS:**

- Keep away from pools, ponds, etc. Do not contaminate potable water.
- Do not apply with a drop type spreader. The grinding action of these spreaders can destroy the coating of Polymer-Coated Urea and can cause burn potential.

**GUARANTEED FERTILIZER ANALYSIS:**

TOTAL NITROGEN (N) ..... 42.0%  
42.0% Coated Slow Release Urea Nitrogen  
Plant nutrients derived from Polymer-Coated Urea.

\*Polyon is a registered trademark of Pursell Industries.

**PACKAGE SIZE: 40 LB. BAGS**

42-0-0 (PM65/PRO/TB 8/99)

**HANDLING PRECAUTIONS:** CAUTION: KEEP OUT OF REACH OF CHILDREN  
**MSDS - See Reverse** HARMFUL IF SWALLOWED — DO NOT INHALE