

roots®

PHC® 3-4-4 For Azaleas and Rhododendrons

ROOTS® PHC® 3-4-4 is specially formulated fertilizer for acid-loving plants like azaleas, rhododendrons, camellias, hydrangeas and evergreen trees. Use before or during The bloom period to encourage flowering, and again in the fall. Formulated with organic ingredients and elemental sulfur to help maintain soil acidity, Roots® PHC® 3-4-4 also contains beneficial rhizosphere bacteria to assist in mineral release and promote soil fertility.

DIRECTIONS FOR USE:

For New Planting: Mix product thoroughly into the backfill soil around the root ball when planting. Follow the rate chart below, based on plant size.

APPLICATION RATES		
1 Gallon plant	1 cup or 1/4 pound	100 plants per 25-Lb bag
5 gallon plant	2 cups or 1/2 pound	50 plants per 25-Lb bag
15 gallon plant	4 cups or 1 pound	25 plants per 25-Lb bag
24 inch root ball	6 cups or 1 1/2 pounds	16 plants per 25-Lb bag
36 inch root ball	10 cups or 2 1/2 pounds	10 plants per 25-Lb bag
42 inch root ball	12 cups or 3 pounds	8 plants per 25-Lb bag
54 inch root ball	16 cups or 4 pounds	6 plants per 25-Lb bag
72 inch root ball	20 cups or 5 pounds	5 plants per 25-Lb bag
Larger sizes	1/2 pound	per inch of trunk diameter

For Established Shrubs and Trees: Broadcast the product over the soil or surface mulch from the trunk to the drip line, at a rate of about 2-Lbs (8 cups) per 100 sq. ft. Apply before or during spring bloom, and again in the early fall. In cool fall weather, apply at half rate.

Gardens and Flower Bed Installation: Apply as a topdressing at a rate of 25 pounds per 1,000 sq. ft. Application may be repeated every 2 months during the growing seasons, or at least twice per year. Apply at half rate in cooler fall weather.

Bulbs or Sprigs: Add 1 rounded teaspoon per plant and mix with soil in planting hole.

Potted Plants: Use 1 cup per 1 gallon container and mix thoroughly with soil.

HEALTH AND SAFETY: In case of skin allergic reaction(s), treat symptoms and contact physician. Avoid breathing dust. In case of ingestion, seek medical attention. Wash hands after handling.

Keep out of reach of children.

Caution to individuals with nut allergies, this product contains peanut skins.

STORAGE: This product is stable in cool, dry conditions.

Not labeled for use on food crop sites.



Expiration Date: _____

Net Wt 25 Lbs. (11.34 Kg.)

For technical assistance and information about our products visit www.LebanonTurf.com

Manufactured by: Lebanon Seaboard Corporation . 1600 E. Cumberland St. Lebanon, PA 17042 . Made in the USA . www.LebanonTurf.com

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Formulated for Acid Loving Plants

- With elemental sulfur to support soil acidity
- For planting and top dressing

Fertilizer may cause irritation of eyes, nose, throat, and skin. In case of contact with skin or eyes, flush with plenty of water; for eyes get medical attention.

Use in accordance with recommendations of a qualified individual or institution, such as, but not limited to a certified crop advisor, agronomist, university crop extension publication, or apply according to recommendations in your approved nutrient management plan.

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, gardens or trees/shrubs and sweep any product that lands on the driveway, sidewalk, or street back on to your garden, lawn, or tree/shrub beds.

WARRANTY

NOTE To the extent consistent with applicable law, Buyer assumes all responsibility for safety and performance if this product is not used according to the directions.

GUARANTEED ANALYSIS

Total Nitrogen (N)	3%
3.0% Water Insoluble Nitrogen	
Available Phosphate (P₂O₅)	4%
Soluble Potash (K₂O)	4%
Calcium (Ca)	4%
Magnesium (Mg)	0.5%
0.5% Water Soluble Magnesium (Mg)	
Sulfur (S)	3%
2.2% Combined Sulfur (S)	
Iron (Fe)	0.1%
0.1% Water Soluble Iron (Fe)	

Derived from: Meat and Bone Meal, Feather Meal, Peanut Skin Meal, Kelp Meal, Soft Rock Phosphate, Sulfur, Sulfate of Potash, Magnesium Sulfate, and Ferrous Sulfate.

ALSO CONTAINS NON PLANT FOOD INGREDIENTS

SOIL AMENDING INGREDIENTS

Rhizosphere Bacteria	400,000 cfu/g
95,000 cfu/g <i>Bacillus licheniformis</i>	
95,000 cfu/g <i>Bacillus megaterium</i>	
10,000 cfu/g <i>Bacillus polymyxa</i>	
95,000 cfu/g <i>Bacillus pumilus</i>	
95,000 cfu/g <i>Bacillus subtilis</i>	
10,000 cfu/g <i>Paenibacillus azotofixans</i>	
Humic acids (derived from Leonardite).....	0.5%
INERT INGREDIENTS	99.5%
98.8% Fertilizer Ingredients	
0.6% Leonardite (other than humic acids)	
0.1% Maltodextrin	F699

Not for organic crop and food production.

Information regarding the contents and levels of metals in this product is available on the internet at <http://www.regulatory-info-lebsea.com>

