

# Avenger Organics® 4-2-3 Organic Granular Fertilizer



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- Avenger Organics® 4-2-3 Organic Granular Fertilizer is a 73% slow release organic fertilizer that improves soil structure and water holding capacity over long term use
- Prevents nutrient leaching and violations. Made entirely of recycled processed and pasteurized poultry litter, it has a very low odor emission compared to other organic fertilizers
- Helps plants become resistant to diseases, insects, and other environmental stresses
- Pathogen and bacteria free, it is safe for use around humans and animals
- The results are healthier roots, greener lawns and plants, and flavorful fruits
- Great for: Lawns, Gardens, Trees, Shrubs, Plants, Potting, Fruits, Vegetables and more



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- Organic Manufacturers Research Institute (OMRI) listed
- Will not burn plants and turf
- Can be safely applied near wells and water sources
- Slow nutrient release from natural microbial breakdown
- Increases root strength
- Improves plant cell structure ; Shifts soil ph to neutral
- Assists in amending soil to an organic state
- Less watering required
- Inhibit soil pathogens through stimulation of soil microorganisms
- Supports thatch degradation and soil biological processes
- Less frequent application than synthetics
- Processed from organic fed and bred poultry farms
- Pasteurized, pathogen and weed seed free
- No run-off into waterways and lakes
- No chemical additives or contaminants
- Easy to apply with a spreader
- Cost-efficiency – compared to synthetic nutrient sources
- Made in the USA



TOTAL NITROGEN (N)	3.0%
3.0% Organic Nitrogen (N)	
AVAILABLE PHOSPHATE (P <sub>2</sub> O <sub>5</sub> )	2.0%
SOLUBLE POTASH (K <sub>2</sub> O)	3.0%
CALCIUM (Ca)	2.5%
MAGNESIUM (Mg)	.50%
.03% W.S. Magnesium (Mg)	
COPPER (Cu)	.05%
IRON (Fe)	.13%
MANGANESE (Mn)	.05%
.02% W.S. Manganese (Mn)	
ZINC (Zn)	.05%



# Rates and Directions for Use

**Application:** Apply as needed throughout the growing season with a spreader or apply by hand. Water thoroughly after each application.

- **Soil Conditioning/Pre-Sod/New Lawns:** Apply 40 lbs. per 1000 sq. ft. and mix into soil. Six weeks after sodding or seeding, apply an additional application
- **Mature Lawns:** Apply 40 lbs. per 1000 sq. ft. in early spring or prior to green up. Apply 60 lbs. per 1000 sq. ft. on poor soil lawns. Apply every 6-8 weeks
- **Fertilizer Sensitive Turf (e.g. Centipede):** 5-10 lbs/1000sq.ft
- **New Sod:** 20-30 lbs. per 1000 sq. ft.
- **Flower Beds/Vegetable Gardens:** Apply 5-10 pounds per 100 sq. ft. of planting area and mix into soil prior to seeding or transplanting.
- **Pastures:** 700-800 lbs. per acre
- **Potting:** 1.5 lbs per 40lb. bag of soil or 15 to 40 lbs. per cubic yard of soil
- **Gardens:** 30-40 lbs. per 800 sq. ft.
- **Tree Installation:** 2 cups per caliper inch
- **Shrub Installation:** 1/3 cup per gallon size



# Avenger Organics® 4-2-3 Organic Granular Fertilizer is available in:



- 6 lb. shaker jug
- 20 lb. bag
- 40 lb. bag



For a complete organic program, use with Avenger® Weed Killer, Avenger Organics® 2-3-1 Liquid Fish Fertilizer and Avenger Organics® Ecklonia Kelp Organic Liquid Fertilizer.

