



ALL PURPOSE ORGANIC FERTILIZER

# CRAB SHELL

4-4-0 18Ca

**NUTRIENTS:** Biogreaux Crab Shell is an all-natural fertilizer and soil amendment made from the byproduct of blue crab processing. Besides being eco-friendly, Crab Shell is naturally time released and is rich in organic nitrogen, phosphorus, calcium and also contains numerous other macro and micro-nutrients critical for plant growth and reproduction. Nitrogen is required for the formation of amino acids, proteins, nucleotides and essential building blocks for plant biomass. Nitrogen enables plants to form robust buds, good-sized fruit and defensive compounds. Phosphorus provides energy during enzymatic activities, helps form cell membranes and is a primary component of nucleotides that carry genetic information. Calcium is a necessary element for cell wall integrity, regulation of enzyme activity and in the elongation of pollen tubes—one of the initial stages of fruit formation.

**SOIL & BIOACTIVITY:** Biogreaux Crab Shell also has substantial benefits for building soil tilth. Its addition provides essential organic matter to the soil resulting in improved soil structure, better aeration and porosity, and increased moisture and nutrient retention. One of the biggest benefits of Biogreaux Crab Shell is that it is naturally high in Chitin (Kite-en.) Chitin is a biological compound found in huge quantities throughout nature and in the cellular structure of most garden pests such as nematodes, grubs, beetles, algae, fungi and soil pathogens. Chitin is a perfect food for beneficial soil microbes and when added to the soil it encourages the growth of chitin eating bacteria. In turn, these bacteria secrete enzymes called chitinases which feed on the chitin laden pests all while freeing up nutrients locked in the Crab Shell.

**DIRECTIONS:**

For new plantings, mix thoroughly with soil or growing media before planting. For established plants, apply directly as a top dressing and rake in. For annuals, apply once before planting. For perennials, apply twice yearly. For best results mix with soil before planting. Can be used as a seed starter. Water regularly.

Store this product in a dry location. Keep out of the reach of children and pets. Not for human consumption. Timing, method of application, weather, crop conditions, and other factors affecting the use of this product are beyond the control of the manufacturer. The buyer assumes all risks of use, storage, and handling of this product.

Meets the National Organic Program Requirements for organic production.  
Allergen Warning: Contains Shellfish

**APPLICATION RATES:**

- Gardens ..... 3 lbs. per 50 sq. ft.
- Row Crops ..... 1.5 to 3 lbs. per 50 sq. ft.
- Trees & Shrubs ..... 1 lb. per foot of height
- Compost ..... 6 to 9 oz. per cubic foot
- Lawns ..... 3 lbs. per 300 sq. ft.
- Potting Soils ..... 2% volume by weight
- Bedding Plants ..... 2 oz. per tray
- Seed Beds ..... 1 lb. per 50 sq. ft.
- Bulbs ..... 2 tbsp. mixed in soil
- Potted Plants ..... 1 tsp. 4" pot

Please visit our website for crop specific application rates.

**GUARANTEED ANALYSIS:**

Total Nitrogen (N).....4.43%	Calcium (Ca) ..... 17.6%	Manganese (Mn) .....431 ppm	<i>Derived From: Crab Shell</i>
Water Insoluble Nitrogen..... 4.09%	Magnesium (Mg)..... 0.81%	Sodium (Na).....0.70%	<i>Guarantee for Beneficial Substances:</i>
Water Soluble Nitrogen ..... 0.34%	Sulfur (S) .....0.25%	Zinc (Zn) .....57.3 mg/kg	<i>Contains Beneficial Substances</i>
Available Phosphate (P2O5) .... 3.69%	Copper (Cu) .....22.6 mg/kg	Carbon (C).....23.26%	Chitin ..... 13.1%
Soluble Potash (K2O) .....0.34%	Iron (Fe).....900 ppm	pH .....8.54 S.U.	<i>Purpose: Natural Nematicide</i>

Information regarding the contents and levels of metals in this product is available at [www.aapfco.org/metals.html](http://www.aapfco.org/metals.html).