

BioGan® 6-7-2

100 % Natural Organic Fertilizer from Fish, Shrimp, Crab

BioGan® 6-7-2 is a natural, organic all-purpose fertilizer composed of fish bone meal, shrimp shell, and crab shell derived from the fresh cuttings of fish and shellfish originally harvested and processed for human consumption. All processing is domestic and shore-based. All facilities are federally inspected. Our fertilizer is registered for use in organic agriculture by the Washington State Department of Agriculture (WSDA) Organic Food Program. It contains no additives for processing or preservation.

BioGan® 6-7-2 is a balanced fertilizer and a concentrated source of water insoluble, slow-release nitrogen. In addition, it supplies a significant amount of phosphorus and calcium, and a complete array of major and secondary soil nutrients. Our fertilizer is ideal for establishing fertile soils and growing healthy plants. It releases nutrients slowly and evenly as it decomposes through natural soil microbial activity.

BioGan® 6-7-2 is a product of the United States of America. It is traceable with documentation showing source and processing of raw material utilized in manufacturing. Our company benefits from vertical integration within a human seafood company, Pacific Seafood Group, through access to their electronic tracking of catch, landings and processing, and the subsequent disposition of fresh fish and shellfish cuttings. Pacific Seafood Group maintains strict quality standards based on scientifically-derived FSMA/HACCP systems at all our locations to ensure that the product you receive is the highest quality.

Customers are always welcome to visit our facilities and review our practices. Our definition of excellence, “*consistently doing your best and always striving to do better*”, demonstrates our commitment to providing a traceable, sustainable and wholesome product to our customers and yours.

Guaranteed Analysis

Total Nitrogen	6.0 %
Ammoniacal Nitrogen	0.0 %
Water Insoluble Nitrogen	5.5 %
Water Soluble Nitrogen	0.5 %
Available Phosphate (P ₂ O ₅)	7.0 %
Soluble Potash (K ₂ O)	2.0 %
Calcium	13.5 %

Major/Secondary Nutrients

Phosphorus	7.0 %
Phosphorus as P ₂ O ₅	12.5 %
Potassium	1.7 %
Potassium as K ₂ O	2.0 %
Sulfur	1.0 %
Calcium	14.0 %
Magnesium	0.4 %
Sodium	0.4 %

Micronutrients (ppm)

Iron	90
Zinc	70
Manganese	25
Copper	3
Boron	15
Chromium	1.5
Arsenic	BDL
Cadmium	BDL
Cobalt	BDL
Lead	BDL
Mercury	BDL
Molybdenum	BDL
Nickel	BDL
Selenium	BDL

Other Nutrient Properties

Moisture	7.0 %
Total Solids	93.0 %
C:N Ratio	4:1
Total Carbon	24.0 %
Chloride	0.2 %
Chitin	3.5 %

Product Characteristics

Color	Light pink to brown
Odor	Mild shrimp to fish
Physical	Free-flowing, through 100 % < 2.5 mm screen
Density	Approximately 30 lb / ft ³

pH 7.0
Storage Store in a cool, dry place in original packaging
Stability 36 months when appropriately stored

Packaging Bulk bags

Certification

This product maintains a Material Registration Certificate from Washington State Department of Agriculture, and is verified to comply with the USDA National Organic Standards (7 CFR Part 205). Registration #: 3153

Processing Statements

Allergen: This product contains fish, shrimp and crab.

This product is not intended for human consumption.

The values for major/secondary nutrients, micronutrients, other nutrient properties, and product characteristics are typical and expected.

Manufacturer

BioOregon Protein, Inc.

P.O. Box 429

1935 NW Warrenton Drive

Warrenton, OR 97146

w: www.biooregonprotein.com

e: biooregonmarketing@pacseafood.com

p: 1-503-861-2256

Technical and Sales Inquiries

Bing Brackeen

Technical Product and Market Specialist

e: bbrackeen@pacseafood.com

p: 503-861-2256 ext. 8808 | c: 971-601-0793

Annette Takko

Technical Product and Quality Assurance Specialist

e: atakko@pacseafood.com

p: 503-861-2256 ext. 8811 | c: 503-440-8998

Sales

Gary Acker

International and Domestic Sales/ Global Logistics Manager

e: gacker@pacseafood.com

p: 503-905-4589 | c. 503-260-4127

August 2, 2019