

BioGan[®] 5-2-1

Natural Organic Liquid Fish Fertilizer

BioGan[®] 5-2-1 is a natural, organic liquid fertilizer derived from the fresh cuttings of Pacific Whiting (*Merluccius productus*) originally harvested and processed for human consumption. All processing is domestic and shore-based. All facilities are federally inspected.

BioGan[®] 5-2-1 is a natural source of water soluble, fast-release nitrogen. It is an all-purpose fertilizer and easy to handle, pour and mix.

BioGan[®] 5-2-1 is a product of the United States of America. Our company benefits from vertical integration within a human seafood company, Pacific Seafood Group, through access to their electronic tracking of fish catch, landings and processing, and the subsequent disposition of fresh fish 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 | 5.0 % |
| Ammoniacal Nitrogen | 0.0 % |
| Water Insoluble Nitrogen | 1.0 % |
| Water Soluble Nitrogen | 4.0 % |
| Available Phosphate (P ₂ O ₅) | 2.0 % |
| Soluble Potash (K ₂ O) | 1.0 % |

Major/Secondary Nutrients (%)

| | |
|---|-----|
| Phosphorus | 1.1 |
| Phosphorus as P ₂ O ₅ | 2.4 |
| Potassium | 1.2 |
| Potassium as K ₂ O | 1.3 |
| Sulfur | 0.4 |
| Calcium | 0.0 |
| Magnesium | 0.1 |
| Sodium | 1.6 |

| Micronutrients | (ppm) |
|-----------------------|--------------|
| Iron | 50.0 |
| Zinc | 5.0 |
| Boron | n.d. |
| Manganese | n.d. |
| Copper | 4.0 |
| Barium | n.d. |
| Chromium | 5.0 |
| Arsenic | n.d. |
| Cadmium | n.d. |
| Cobalt | n.d. |
| Lead | n.d. |
| Mercury | n.d. |
| Molybdenum | n.d. |
| Nickel | n.d. |
| Selenium | n.d. |
| Silver | n.d. |

Other Nutrient Properties

| | |
|--------------|--------|
| Moisture | 55.0 % |
| Total Solids | 45.0 % |
| C:N Ratio | 3:1 |
| Total Carbon | 16.0 % |
| Chloride | 2.5 % |

Product Characteristics

| | |
|-----------|--|
| Color | Light brown |
| Odor | Mild fish |
| Physical | Pourable liquid |
| Density | NA |
| pH | 3.8 – 4.2 |
| Storage | Store in a cool, dry place in original packaging |
| Stability | 6 months when appropriately stored |

Packaging

Liquid totes or
Bulk tankers

Certification

Pending

Processing Statements

Allergen: This product contains fish and is processed in a facility that processes crustacean shellfish. 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

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