

# AGGRAND®

## Organic Series

*Proven Performance through  
Natural and Organic Ingredients*

AGGRAND Fertilizer Organic Series 4-3-3 (OSF) is a multi-purpose liquid concentrate that promotes vigorous growth, increased root development and improved stress and disease tolerance in vegetables, fruits, nut trees and field crops. It is Listed by the Organic Materials Review Institute (OMRI) for use in organic production. AGGRAND Fertilizer stimulates microbial activity in the soil and provides essential macronutrients nitrogen (N), phosphorus (P) and potassium (K) in a ratio of 4-3-3.

AGGRAND Fertilizer Organic Series 4-3-3 is intended as the alternative to AGGRAND Natural Fertilizer 4-3-3 (NOF) for growers who must use fertilizers certified to NOP standards.

### *All Natural Sea Kelp*

AGGRAND Fertilizer uses kelp from the North Atlantic Ocean to provide potassium for increased plant health and development. Kelp also helps increase plants' resistance to drought and cold temperatures.

### *Organic Nitrogen Source*

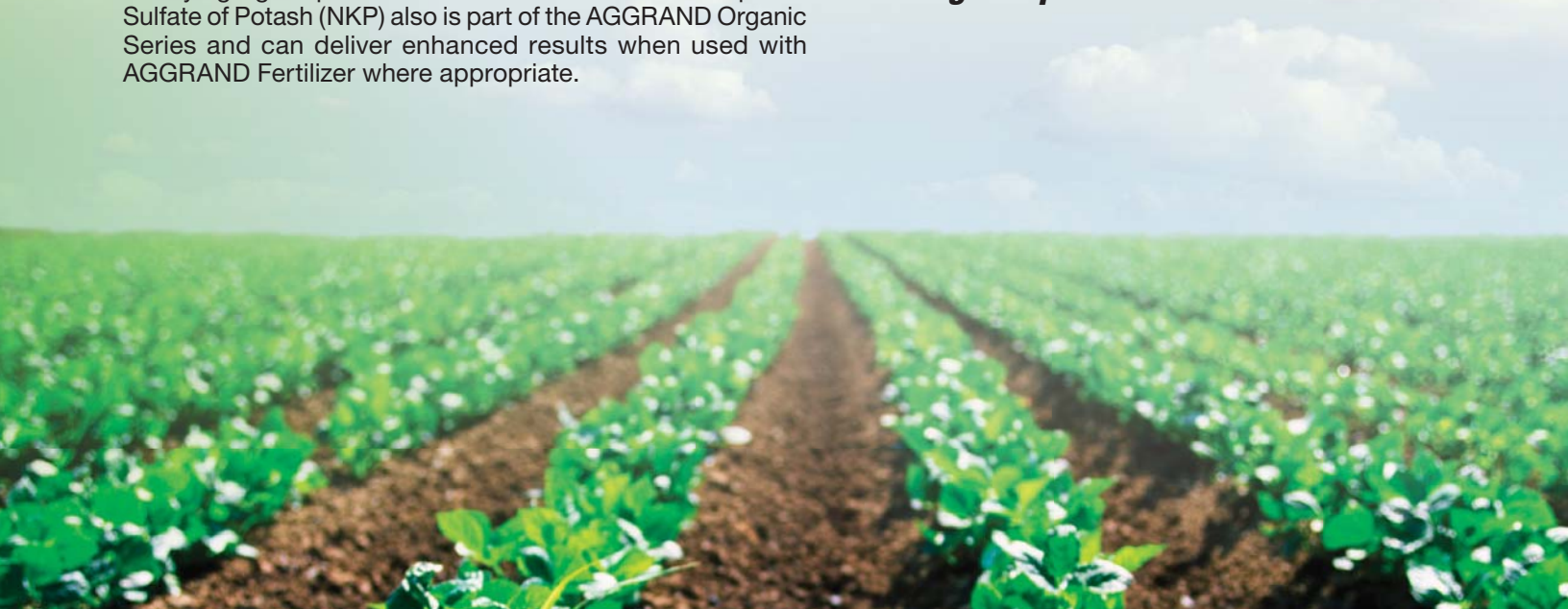
AGGRAND Fertilizer is made from menhaden fish that provides a natural, environmentally friendly source of nitrogen, phosphorus and potassium, to enhance plant growth and development. Menhaden fish emulsions represent the primary source of nitrogen in AGGRAND Fertilizer.

### *Organic*

AGGRAND Fertilizer is OMRI Listed and ideal for use by organic growers certified to National Organic Program (NOP) standards. AGGRAND recommends NOP-certified growers verify approval of their inputs with their NOP-accredited certifying agent prior to use. AGGRAND Natural Kelp and Sulfate of Potash (NKP) also is part of the AGGRAND Organic Series and can deliver enhanced results when used with AGGRAND Fertilizer where appropriate.



- **Multi-purpose — excellent results on flowers, fruits, vegetables, lawns, trees, crops and houseplants**
- **Formulated for foliar feed or soil application**
- **Promotes enhanced plant vigor, contributing to disease and stress resistance**
- **Convenient liquid concentrate**
- **Can be mixed with other AGGRAND Organic Series products for easy application in certified organic production**



## Balanced Formula

**AGGRAND Fertilizer** features a balanced formulation with menhaden fish emulsion and kelp as the basis, and additional natural and organic ingredients for optimum results.

- **Rock phosphate** provides a natural source of phosphorus, calcium, manganese and iron. These elements maximize plant health and encourage plant structure and fruit development
- **Sulfate of potash** an extremely fine-grade natural mineral derived from the Great Salt Lake, increases potassium levels
- **Wintergreen oil** improves the scent of AGGRAND Fertilizer

## Increased Microbial Activity

AGGRAND Fertilizer increases bacterial activity in soil, leading to stronger, healthier plants. Aerobic microorganisms such as bacteria, fungi and protozoa feed on carbon sources, causing a process known as mineralization. Mineralization produces plant-available nitrogen and phosphorus that helps plants grow and develop.

The amount of bacterial activity in soil is determined by measuring the carbon dioxide (CO<sub>2</sub>) produced by microorganisms. Higher levels indicate more bacterial activity, hence more potential nitrogen and phosphorus available to plants.

Although chemical-based fertilizers have high nitrogen, phosphorus and potassium levels, plant-use efficiency can be very low. In addition, they are often high in soluble salts that are toxic to soil bacteria and help create compaction and anaerobic conditions, resulting in plant stress.

Research shows soil treated with AGGRAND Fertilizer demonstrates increased CO<sub>2</sub> levels compared to a leading chemical fertilizer, meaning increased bacterial activity for healthier plants.

## Applications

AGGRAND Fertilizer is recommended for, but not limited to, the following crops:

- Apples
- Beans
- Bedding Plants
- Berries
- Cabbage
- Citrus Fruits
- Corn
- Cotton
- Cucumbers
- Deep-Root Plants
- Field Tomatoes
- Garlic
- Greenhouse Tomatoes
- Hay and Pasture Fields
- Herbs
- Potatoes
- Rice (Wetland)
- Wheat and Small Grains

Application rates vary according to plant/crop type, soil and weather conditions. Consult the AGGRAND Crop Guide (G2793) or [www.aggrand.com](http://www.aggrand.com) for additional application information.

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Contact your AGGRAND Dealer for more information on AGGRAND products or to place an order. You may also order direct by calling AMSOIL INC. at 1-800-956-5695 and providing the referral number listed here. ▼

Referral # \_\_\_\_\_