

HOMEGROWN - OFF-THE-FIELD IN NORTHWEST MINNESOTA—SOYBEAN MEAL FERTILIZER BLENDS FOR LAWN AND GARDEN



AURI.org

How did this project start?

- > Minnesota Soybean Research and Promotion Council (MSRPC) contracted with AURI to explore fertilizer uses for soybean meal in lawn and garden markets.
- > Three different versions of soybean meal fertilizers were formulated with AminOrganix out of Bloomington, MN.
- > Two of the formulations include 50 percent soybean meal, a third contains 25 percent soybean meal but was delayed in formulation.

Proven, Highly Effective and Safe

- > AminOrganix products have been available since the early 1990s in Minnesota.
- > AminOrganix products are presently used by six of the top ten golf courses and polo fields in the Southeast, including Pelican Course, Old Dominion, Old Florida, Old Colliers, the National Polo Center and others.
- > AminOrganix products have been successfully used in the Southeast on peanuts, strawberries, corn, squash and cucumbers.
- > All AminOrganix products are made with natural feed-grade ingredients in a feed-grade certified manufacturing facility.
- > People and animals can work and play immediately after application.

Soybean meal as a soil amendment and fertilizer for lawn & garden applications*

- > Soybean meal (SBM) is used by home gardeners as both a soil amendment and fertilizer
- > SBM is available for purchase at Lowe's, Home Depot, Walmart, Amazon and other retailers in varying bag sizes. The specific formulations for this project are being targeted for rural supply cooperatives and home garden centers initially.
- > SBM is considered a natural fertilizer because it contains no synthetic nitrogen, phosphorus or potassium.
- > A benefit of soybean meal is that it is very high in nitrogen (7% vs. 3%) for a natural fertilizer and doesn't typically burn plants.
- > SBM contains a variety of amino acids which act as growth stimulants for both roots and leaves.

AMINORGANIX
SUSTAINABLE SOLUTIONS FOR GROWTH

7-1-7

Organic Fertilizer
No manures, made to FDA feed grade standards
Soybean Meal content 50%

Guaranteed Analysis	Derived from:
Total Nitrogen(N)	7.00%
7.00% Water Insoluble Nitrogen*	Soybean meal, hydrolyzed poultry feather meal,
Available Phosphate (P ₂ O ₅)	1.00%
1.00%	sulfate of potash, potassium chloride,
Soluble Potash (K ₂ O)	2.00%
2.00%	calcium carbonate, calcium carbonate, elemental sulfur,
Calcium (Ca)	0.30%
0.30%	sulfate, iron sulfate, cobalt sulfate, iron sulfate,
Magnesium (Mg)	0.30%
0.30%	magnesium oxide, manganese sulfate, zinc sulfate, sodium molybdate.
Sulfur (S)	1.90%
1.90%	Combined Sulfur(S)
0.30% Free Sulfur(S)	0.30%
Cobalt (Co)	0.0005%
0.0005%	
Magnesium (Mg)	0.30%
0.30%	
Iron (Fe)	0.70%
0.70%	*7.00% slowly available nitrogen from soybean meal, hydrolyzed poultry feather meal, and molasses.
2.70% Water Soluble Iron	
Manganese (Mn)	0.25%
0.25%	
0.08% Water Soluble Manganese	
Molybdenum (Mo)	0.0005%
0.0005%	
Zinc (Zn)	0.10%
0.10%	
0.10% Water Soluble Zinc	

SATISFACTION GUARANTEED
Manufactured for AminOrganix®
3800 American Blvd W Ste 1500
Bloomington, MN 55431

76371473
25 Pounds 11.34 kg
Experimental product, not for resale
Garden and Lawn Starter Fertilizer
Project supported by:
MINNESOTA SOYBEAN PROMOTION AND RESEARCH COUNCIL CHECKOFF

AMINORGANIX
SUSTAINABLE SOLUTIONS FOR GROWTH

16-0-8

Natural Based Fertilizer
No manures, made to FDA feed grade standards
Soybean Meal content 50%

Guaranteed Analysis	Derived from:
Total Nitrogen(N)	16.00%
12.00% Urea Nitrogen	hydrolyzed poultry feather meal, sulfate of potash,
4.00% Water Insoluble Nitrogen*	potassium chloride, calcium carbonate, elemental sulfur,
Available Phosphate (P ₂ O ₅)	0.00%
0.00%	cobalt sulfate, iron sulfate, magnesium oxide,
Soluble Potash (K ₂ O)	8.00%
8.00%	manganese sulfate, zinc sulfate, sodium molybdate.
Calcium (Ca)	0.30%
0.30%	
Magnesium (Mg)	0.30%
0.30%	
Sulfur (S)	1.90%
1.90%	Combined Sulfur(S)
0.30% Free Sulfur(S)	0.30%
Cobalt (Co)	0.0005%
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Iron (Fe)	0.70%
0.70%	*4.00% slowly available nitrogen from soybean meal, hydrolyzed poultry feather meal, and molasses.
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MN grown, MN manufactured and MN benefits to the lawn and garden sectors

Funded by the Minnesota Research & Promotion Council (MSRPC) in Cooperation with the Agricultural Utilization Research Institute



*This is a competitive product with other products in the same class.