

ESPARTAN

Juvenile fish may not consume enough feed daily to maximize plant production in your system. Similarly, during a fish-less startup the absence of fish feed input creates an environment void of nutrients required for plant growth. In these cases, it's recommended to use [Espartan](#) as a supplemental nutrient source.

This liquid fertilizer is formulated from organic matter obtained from selected vegetables, sugar beet molasses, water, and saccharomyces. Espartan is allowed in organic agriculture and has a shelf life of around 3 years.

Espartan is available in 1, 5, and 20 liter sizes. The recommended dosage for Espartan in **80 mL per 100 gallons**. The solution should be used every 7-10 days during the entirety of the grow season or until adequate fish feeding rates are established.

The Composition is as follows.

Ingredient	% Composition
Organic Matter	33.50 %
Nitrogen (N)	2.70 %
Phosphate (P ₂ O ₅)	3.03 %
Potash (K ₂ O)	2.60 %
Fulvic Acid (C ₁₄ H ₁₂ O ₈)	19.00 %

