



TECHNICAL DATA SHEET

Harvest-to-Harvest™ Organic 3-2-1

Harvest-to-Harvest™ (H2H™) is a stabilized food hydrolysate that is derived from recycled supermarket organics. The term “food hydrolysate” simply indicates that it is the product of the digestion of food with enzymes into a liquid bio-stimulant & fertilizer. During this process, the recycled food is heated, mechanically ground, and subsequently broken down by enzymes into its base compounds in solution. The resulting liquid is centrifuged, emulsified, and stabilized into our final product Harvest-to-Harvest™.

Harvest-to-Harvest™ Organic 3-2-1 is a liquid fertilizer made from hydrolyzed recycled supermarket food, hydrolyzed fish solubles, and sulfate of potash. This enhanced amino acid version of Harvest-to-Harvest Organic is designed to provide Kjeldhal Nitrogen in the form of amino acids, along with available phosphorous and potassium. Harvest-to-Harvest Organic 3-2-1 also contains nutrients derived from food to feed soil organisms and improve soil fertility.

Physical Data

Appearance	Brown liquid
Odor	Slight vinegar, musty odor
Density (Specific Gravity)	1.12 – 1.18
pH	3.5 – 3.8

Typical Analysis

Moisture Content	55 - 65 %
Organic Matter	25 - 35 %
Protein (Primarily amino acid form)	14 – 20 %
Fat (Oils)	1.0 - 2.0 %
Total Carbohydrates	10 -20 %
C:N Ratio	6-7:1
Salt Index	10
Total Nitrogen (N)	2.75 - 3.0 %
Available Phosphoric Acid (P ₂ O ₅)	1.8 – 2.2 %
Soluble Potash (K ₂ O)	1.3 – 1.5 %

Secondary Nutrients & Micronutrients:

Calcium (Ca)	0.1 - 0.2 %	Copper (Cu)	0 - 10 ppm
Magnesium (Mg)	0.2 - 0.3 %	Manganese (Mn)	20 - 40 ppm
Sulphur (S)	0.3 - 0.9 %	Iron (Fe)	50 - 100 ppm
Chloride (Cl)	0.2 - 0.4 %	Zinc (Zn)	20 - 40 ppm
Sodium (Na)	0.2 - 0.3 %		



California Safe Soil, LLC
4700 Lang Avenue, Bay C
McClellan, CA 95652
www.calsafesoil.com