



# TECHNICAL DATA SHEET

## Harvest-to-Harvest™ - Liquid Food Hydrolysate

**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 fertilizer. During this process, the recycled food is heated and mechanically ground, and subsequently broken down by enzymes into its base compounds in solution. Harvest-to-Harvest™ contains complex forms of nutrients, including: carbohydrates, amino acids (proteins), and fats. The complex sources of nutrition are a great source of nutrients and energy for soil organisms and plants. Harvest-to-Harvest™ is also a great source of Organic Matter, and is 100% pathogen free and safe for use on all crops.

### Physical Data

Appearance	Brown Liquid
Odor	Slight vinegar, musty odor
Density (Specific Gravity)	1.03 – 1.05
pH	2.9 – 3.1

### Typical Analysis

Moisture Content	72 - 75%
Organic Matter	20 – 25%
Protein (90+% Amino Acid Form)	5 – 7%
Fat (Oils)	6 - 8%
Total Carbohydrates	8 – 10%
C:N Ratio	12:1
	<u>lbs/ ton (227GAL)</u>
Total Nitrogen (N)	.9 - 1%      18 - 20
Available Phosphoric Acid (P <sub>2</sub> O <sub>5</sub> )	1 – 2%      20 - 40
Soluble Potash (K <sub>2</sub> O)	.3 - .5%      6 - 10

### Secondary Nutrients & Micronutrients:

		lbs /ton			lbs/ton
Calcium (Ca)	.1 - .2%	2 - 4	Zinc (Zn)	19 – 22ppm	<.1
Magnesium (Mg)	290 – 310ppm	.6	Manganese (Mn)	2 – 5ppm	<.1
Sulphur (S)	700 – 780ppm	1.5	Copper (Cu)	8 – 10ppm	<.1
Iron (Fe)	130 – 150ppm	.3	Aluminum (Al)	80 – 90ppm	.2
Sodium (Na)	950 – 1050ppm	2			



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