

# Nature's Source Organic® Plant Food 3-1-1 Grower's Guide

## Sustainable. Effective. Easy.

### 3-1-1 GUARANTEED ANALYSIS

**Total Nitrogen (N)**..... **3%**  
 2.55% Water Soluble Nitrogen  
 0.45% Water Insoluble Nitrogen  
**Available Phosphate (P<sub>2</sub>O<sub>5</sub>)**..... **1%**  
**Soluble Potash (K<sub>2</sub>O)** ..... **1%**

*Derived From: Fermented Oilseed Extract, Corn Steep Liquor*

### Feeding with Nature's Source Organic® 3-1-1

Proper preparation and protocol is required due to its organic nature. Agitate/mix product prior to each use. Flush your lines with a sanitizing solution that is approved for this purpose in certified organic greenhouses. As with any organic solution, airborne organisms may colonize on the surface of the stock tank solution. Note below the preventative options we recommend:

- Mix only enough stock solution as can be used in a few days or Direct Inject

### Injector Ratio Chart

Dilution rates for making injector stock tank solutions of Nature's Source Organic® Plant Food 3-1-1

Chart indicates fluid ounces of Nature's Source Organic® Plant Food 3-1-1 to make 1 gallon of stock solution

Injector Ratio	100 ppm N	150 ppm N	250 ppm N	400 ppm N
1:15	5.3	8.0	13.3	21.3
1:100	35.6	53.3	88.9	
1:128	45.5	68.3	113.8	
1:200	71.1	106.7		
1:300	106.7			

### Direct Inject Chart

3-1-1 ppm N	Setting	3-1-1 ppm N	Setting
560	1:64	250	1:150
500	1:75	180	1:200
360	1:100	125	1:300
280	1:128	90	1:400

## Organic Production Nutrition



### Delivering Organic Nutrients

Oilseed extract provides Nitrogen (water soluble & insoluble), Phosphoric Acid and Potash, and essential micronutrients including calcium and magnesium, plus beneficial organic compounds found in nutrient-rich seeds. This is a sustainable alternative to synthetic plant food.

### Pathogen Free - Heavy Metals Free

Available Sizes:	Container	55 GAL. Drum	275 GAL. Tote	BULK DELIVERY Truck & Rail
	4.7 GAL. Box			

### Tank Mix Chart

Nature's Source can be used without an injector by tank mixing. The Tank Mix Chart (below) shows the ounces of Nature's Source needed for desired ppm rates and tank sizes.

Desired ppm of N	oz. of 3-1-1 per gallon	oz. of 3-1-1 per 50 gallons
100	0.36	18
150	0.54	27
200	0.72	36
300	1.08	54
500	1.80	90

### 50/50 Concentration Injector Chart

ppm N	Setting	ppm N	Setting
280	1:64	125	1:150
250	1:75	90	1:200
180	1:100	62.5	1:300
140	1:128	45	1:400

Available in CA only.

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