



# Feeding with 10-4-5

## Direct from Container

It is recommended to pull directly from the container. Most injectors will adjust to 1:500 which feeds at 250 ppm N for stock tank solution. Refer to the Injector Ratio chart.

250 ppm	Injector at 1:500
300 ppm	Injector at 1:400
400 ppm	Injector at 1:300
500 ppm	Injector at 1:250
600 ppm	Injector at 1:200

## Injector Ratio Chart

Fluid Ounces of Nature's Source To make 1 Gallon Stock Solution

Injector Ratio	100 ppm	150 ppm	200 ppm	250 ppm	300 ppm	400 ppm
<b>1:16</b>	1.8	2.6	3.4	4.3	5.1	6.9
<b>1:100</b>	10.7	16.0	21.3	26.7	32.0	42.7
<b>1:128</b>	13.4	20.0	26.6	33.4	40.0	53.4
<b>1:200</b>	21.4	32.0	42.6	53.4	64.0	85.4
<b>1:300</b>	32.1	48.0	63.9	80.1	96.0	128.0
<b>1:400</b>	42.8	64.0	85.2	106.8	128.0	
<b>1:500</b>	53.5	80.0	106.5	128.0		
<b>1:600</b>	64.2	96.0	128.0			

## Tank Direct Chart

Tank Size	Desired ppm	Total oz. Nature's Source	Sq. Ft. Coverage at 0.10 lbs. per 1,000 Sq. Ft.
<b>1 Gal</b>	200 ppm	0.21 oz.	16
	300 ppm	0.32 oz.	24
	600 ppm	0.64 oz.	48
	800 ppm	0.84 oz.	64
<b>50 Gal</b>	200 ppm	11 oz.	800
	300 ppm	16 oz.	1,200
	600 ppm	32 oz.	2,400
	800 ppm	44 oz.	3,200
<b>100 Gal</b>	200 ppm	21 oz.	1,600
	300 ppm	32 oz.	2,400
	600 ppm	64 oz.	4,800
	800 ppm	84 oz.	6,400

## Conductivity Chart

This chart is provided as a reference to verify the accuracy of fertilizer injectors.

Nature's Source Formula 10-4-3	PPM Nitrogen Concentration—Conductivity in Millimhos (mmhos) or Millisiemens (mS)						
	50	100	150	250	300	400	500
	0.19	0.38	0.57	0.95	1.14	1.52	1.9

This chart is designed to be used as described below:

- Determine the conductivity of your clear irrigation water
- Determine the conductivity of your fertilizer solution after it has been proportioned (as it comes from the emitter and is applied to the plants).
- Subtract the value of the clear water from the value of the fertilizer solution.
- Compare the equated value with the values on the above chart to determine the parts per million of nitrogen being

Laboratory conditions, Nature's Source Professional Plant Food and distilled water were used to develop this chart. The values obtained by a grower under field conditions could vary ( $\pm 10\%$ ) from the above values.

To convert Millimhos (mmhos) to micromhos ( $\mu\text{mho/cm}$ ), or millisiemens (mS) to microsiemens ( $\mu\text{S}$ ), multiply by 1000.

**IMPORTANT:** Nature's Source 10-4-5 is organic in nature. These EC's reflect a guideline for checking your feed rate since it is not an exact science like salt-based fertilizers. It also requires proper preparation and protocol. Flush your lines with a sanitizing solution or an industry recommended product manufactured for cleaning greenhouse irrigation lines.

**To request additional information call: 888 839-8722 or visit [NaturesSourcePlantFood.com](http://NaturesSourcePlantFood.com)**