

6 x 8  
Reflex Blue



# DANIELS®

## Professional Plant Food®

*The New Standard of Excellence*

### 10-4-3

*For Continuous Liquid Feed*

### Guaranteed Analysis

<b>Total Nitrogen (N)</b>	<b>10%</b>
<b>3.70% Ammoniacal Nitrogen</b>	
<b>1.90% Nitrate Nitrogen</b>	
<b>3.65% Urea Nitrogen</b>	
<b>0.75% Other Water Soluble Nitrogen</b>	
<b>Available Phosphate (P<sub>2</sub>O<sub>5</sub>)</b>	<b>4%</b>
<b>Soluble Potash (K<sub>2</sub>O)</b>	<b>3%</b>
<b>Calcium (Ca)</b>	<b>0.01%</b>
<b>Magnesium (Mg)</b>	<b>0.05%</b>
<b>0.05% Water Soluble Magnesium (Mg)</b>	
<b>Sulfur (S)</b>	<b>1.0%</b>
<b>1.0% Combined Sulfur (S)</b>	
<b>Boron (B)</b>	<b>0.002%</b>
<b>Copper (Cu)</b>	<b>0.001%</b>
<b>0.001% Water Soluble Copper (Cu)</b>	
<b>Iron (Fe)</b>	<b>0.01%</b>
<b>0.01% Water Soluble Iron (Fe)</b>	
<b>Manganese (Mn)</b>	<b>0.005%</b>
<b>0.005% Water Soluble Manganese (Mn)</b>	
<b>Molybdenum (Mo)</b>	<b>0.0003%</b>
<b>Zinc (Zn)</b>	<b>0.004%</b>
<b>0.004% Water Soluble Zinc (Zn)</b>	

Derived From: Oilseed Extract, Monopotassium Phosphate, Potassium Sulfate, Ammonium Phosphate, Sulfate of Ammonia, Ammonium Nitrate, Urea.  
Potential Acidity: 361 lbs. Calcium carbonate equivalent per ton.

### F1901 FOR COMMERCIAL USE ONLY

When applied as directed, this product meets guidelines for metals adopted by the AAPFCO (1999). Information regarding the contents and levels of metals in this product is available on the Internet at <http://www.aapfc.org/metals.htm>

*It All Begins With A Seed®*

Guaranteed by Ball DPF, LLC  
401 N. Walnut Street • Sherman, Texas 75090  
Under License from Daniels® AgroSciences, LLC

Volume	Net Wt.
<input type="checkbox"/> 4.7 Gallons (17.8L)	47 Lbs. (21.3 KG)
<input type="checkbox"/> 5 Gallons (18.92 L)	50 Lbs. (22.68 KG)
<input type="checkbox"/> 55 Gallons (208.2 L)	550 Lbs. (249.5 KG)
<input type="checkbox"/> 275 Gallons (1040.8 L)	2750 Lbs. (1361.25 KG)

10 lbs. per gallon at 68°F

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## Direct From Container

Pulling directly from the Daniels container is a convenient method of application for the 10-4-3 formula, as it maximizes shelf life and ease of use by eliminating the need to create a stock tank solution.

\*To determine how much Daniels® to add to the stock tank, these three factors must be determined:

- Desired application rate (ppm)
- Injector ratio
- Size of the stock tank

Refer to the Injector Ratio chart below.

This chart shows how many ounces of Daniels® should be added per gallon of the stock tank at various injector ratios/ppm combinations.

## Injecting Directly From The Daniels® Container

PPM OFN	300 ppm	400 ppm	480 ppm	600 ppm
Injector Ratio	1:400	1:300	1:250	1:200

## Injector Ratio Chart

Dilution for making injector stock solutions of DANIELS® Professional Plant Food®.  
Fluid ounces of DANIELS® to make 1 gallon of stock solution.

Injector Ratio	ppm of N in final solution					
	100 ppm	150 ppm	200 ppm	250 ppm	300 ppm	400 ppm
1:15	1.6	2.4	3.2	4.0	4.8	6.4
1:100	10.7	16.0	21.3	26.7	32.0	42.7
1:128	13.7	20.5	27.3	34.2	41.0	54.6
1:200	21.3	32.0	42.7	53.4	64.1	85.4
1:300	32.0	48.1	64.1	80.0	96.0	
1:400	42.7	64.1	85.4	106.5		
1:500	53.4	80.0	106.5			
1:600	64.1	96.0				

## Conductivity Chart

This chart provided as a reference to verify the accuracy of irrigation water from our fertilizer injector.

DANIELS® Formula 10-4-3	PPM Nitrogen Concentration Conductivity in Millimhos (mmho/cm)						
	50	100	150	200	300	400	500
	0.19	0.38	0.57	0.76	1.14	1.52	1.55

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 plant).
- Subtract the value of the clear water from the value of the fertilizer solution.
- Compare this equated value with the values on the above chart to determine the parts per million of nitrogen being injected.
- Laboratory conditions, Daniels® Professional Plant Food® and distilled water were used to develop this chart. The values obtained by a grower underfield condition could vary slightly (+10%) from the above values.

To convert millimhos (mmhos) to microhos (mmho/cm) multiply by 1000.  
millimhos (mmho/cm)=deciSiemens (dS/m)=milliSiemens (mS/cm)

### Storage Information:

Daniels® should be stored in a climate controlled area. For optimum results storage temperature should not drop below 35°F or rise above 90°F. Freezing and/or overheating the product will tend to form crystals due to salting out. Although this does not dramatically change the efficacy of the product, it could cause clogs in nozzles or emitters.

### NOTICE TO BUYER

This product is intended for use as a professional plant food. Users must always follow the product literature and exercise professional judgement and caution when using the product under their particular growing conditions. In particular, the following information, notices and warnings must be kept in mind: **HARMFUL IF SWALLOWED! KEEP OUT OF REACH OF CHILDREN AND PETS!**

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If the product is not accepted under these terms and conditions, it must be returned at once in the original unopened container. The purchase price will be refunded. Users of the product are deemed to have accepted the terms of this notice. This notice to buyer may not be orally modified.

To request additional information call: 888-839-8722.



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