



Sustainable Solutions Ltd.

# PRAIRIE PRIDE COMBO



**Product type:** Liquid NPK Blend

## Chemical composition

Component	Guaranteed Analysis
Total Nitrogen(N)	2%(min)
Total Phosphoric Acid (P <sub>2</sub> O <sub>5</sub> )	8.8%(min)
<b>Available</b> P <sub>2</sub> O <sub>5</sub>	8.7%(min)
Soluble Potash(K <sub>2</sub> O)	2%(min)
Calcium (Ca)	0.1%(min)
Magnesium (Mn)	0.1%(min)
Sulphur(S)	1.6%(min)
Iron (Fe)	0.079%
Copper (Cu)	0.097%
Manganese (Mn)	0.057%
Boron(B)	0.175%
Molybdenum	0.0196%
Zinc (Zn)	0.2428%

## Physical properties

Appearance	Dark liquid
Specific Gravity	1.21
pH	5.1
Conductivity	43.20ms/cm

## Available sizes

1000 L

## Introduction

Prairie Pride Combo is robust antistress formula to address nutrient challenges for the developing crop.

It is specialty combination premix blend of 23.1% Prairie Pride A (PPA), 21.3% Prairie Pride B (PPB) and 4.3% Prairie Pride C (PPC) as total mixture sufficient for spraying 320-400 acres depending on crop stage. It contains all the benefits of kelp extract, amino acids, organic matter (derived from PPA) along with high nutrient (derived from PPB and PPC formula). This formula also contains micronutrients adequate for crop establishment. No wonder it is one formula with all your crop requirements, designed to increase nutrient levels in plant tissue within a very short time, thus enabling the crop to perform its vital physiological functioning with minimum stress and without interruption.

## Suggested application rates & method

Application can be started as soon as there is enough ground coverage. In case of need, repeat application 2-3 weeks after the first one. It provides foliar boost during growth and filling stages. Complete package 1000L is sufficient for spraying 320-400 acres depending on crop stage. Apply 1-2 applications/season.

## Special notes

- If used in nutrient tanks, keep the solution aerated or agitated.
- Run a small rinse cycle after using any organic liquid in drip or spray tanks.
- Check compatibility before mixing with other products, especially with pesticides and water-soluble fertilizers.
- Consult an agronomist or crop consultant for best advice based on product usage based on crop's condition and stage.

## Precautionary statements

Keep out of reach of children and animals. May cause mild skin Irritation. Causes serious eye irritation. Wear personal protective clothing and equipment. Wash thoroughly after handling.

## Conductivity

Conductivity Chart for reference (to verify the accuracy of fertilizer injectors PPM Nitrogen. EC (MilliSiemens mS) variance +/- 10%

Nitrogen ppm	mS	pH
75	0.23	7.02
150	0.48	6.88
300	1.14	6.83
600	2.26	6.59

## Direct from container use

Use Prairie Pride Combo, directly as it maximizes shelf life and ease of use by eliminating the need to create a stock tank solution. See chart for injector settings and corresponding parts per million in this formula.

	75ppm	150ppm	300ppm	600ppm
Injector Ratio	1:320	1:160	1:80	1:40

Using directly from container:

- Eliminates mixing stock solutions
- Maximizes shelf life

## Stock Tank Injector Ratios

Three factors must be known when determining how much formula to be added to the stock tank: Desired application rate (ppm), Injector ratio, Size of the stock tank



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Once determined, refer to the Injector Ratio Chart (given below). The chart shows how many ounces of Prairie Pride Combo formula should be added per gallon of the stock tank at various injector ratio/ppm combinations.

***Multiply the number of ounces per gallon times the gallon size of the stock tank to get the total ounces of formula needed to prepare the stock solution.***

### Injector Ratio's Chart

Fluid Ounces to make 1 Gallon (128 oz) of Stock Solution

Injector Ratio	ppm of N in final solution							
	100	150	200	250	300	400	500	600
1:10	5.3	8.0	10.7	13.3	16.0	21.3	26.7	32.0
1:20	10.7	16.0	21.3	26.7	32.0	42.7	53.3	64.0
1:30	16.0	24.0	32.0	40.0	48.0	64.0	80.0	96.0
1:40	21.3	32.0	42.7	53.3	64.0	85.3	106.7	128.0

### Stock tank tips

- When mixing, add Custom 10-4-3 formula to the tank first, then fill with water to appropriate level.
- The more diluted the stock tank solution, the sooner it should be used to ensure optimal performance.

### Special notes

- If used in nutrient tanks, keep the solution aerated or agitated.
- Do not apply during the "sunlight" hours when air temperature is above 85°F/30°C
- Run a small rinse cycle after using any organic liquid in drip or spray tanks.
- Custom 10-4-3 Formula can be added to other spray applications, e.g., fungicides and insecticides, after first conducting a jar compatibility test.

It is important to know the water source quality before applying any fertilizer. Do the following to better understand the factors.



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- Determine the source of irrigation water.
- Having knowledge of where the water comes from provides insight into possible factors.
- Test water pH Anything above 8.0 lowers the solubility of minerals, increasing their tendency to precipitate.
- Conduct a water analysis test. Tests completed at different times of the year can reveal possible variations of pH and other chemical levels.
- Understanding the water source and water quality will help identify possible factors that cause emitter clogging.



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