

# NPK 27-14-16+MgO+TE

## Chemical Composition

Component	Typical Analysis
Total Nitrogen (N)	27%(min)
Nitric Nitrogen (N-NO <sub>3</sub> )	2%(min)
Ureic Nitrogen (N-NH <sub>2</sub> )	25%(min)
Phosphorus Pentoxide (P <sub>2</sub> O <sub>5</sub> )	14%(min)
Potassium Oxide (K <sub>2</sub> O)	16% (min)
Magnesium (Mg)	0.6% (min)
Sulphur (S)	0.8% (min)
Iron (EDTA chelated) (Fe)	0.05%
Copper (EDTA chelated) (Cu)	0.006%
Zinc (EDTA chelated) (Zn)	0.008%
Manganese (EDTA chelated) (Mn)	0.02%
Boron (B)	0.01%
Molybdenum (Mo)	0.004%

## Physical properties

Property	Value
Appearance	White crystalline powder
Density g/cm <sup>3</sup> (±10%)	0.9
Solubility in water (in g/l) (±10%)	496.2
pH (in 0.1% water solution)	5-7
EC (in 0.1% water solution)	3.8

**Available size: 25kg**



## Introduction

WS NPK 27-14-16+MgO+TE is specially formulated with high-Nitrogen levels for use during intensive vegetative growth and protein build-up in grain or fruit. It ensures a healthy green plant which is crucial for adequate photosynthesis and securing high yields.

## Suggested application rates & method

### 1. Greenhouses:

The application rate is based on EC/ppm requirement and stage of the crop.

General application rate – 2-3 kg/ acre

### 2. Vegetables, Fruits, and Orchards:

Fertigation – 2-3 kg/ acre/ application

Foliar application – 2-4 kg/ acre/ application

1-2 applications are recommended.

### 3. Row Crops:

Foliar application – Use 1.5-3 kg/ acre/ application

1-2 applications are recommended.

## Special Notes

1. Always check compatibility before adding other fertilizers.
2. Use fine nozzles for all foliar applications.
3. Use ABSORB (plant-based sticker) as a companion product.
4. Prairie Pride A and Prairie Pride C are highly recommended products for use with this formulation.



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### **Precautionary statements**

Wear protective clothing and equipment when handling the product. Avoid inhalation of spray and dust. This fertilizer contains Iron, Copper, Manganese, Zinc, and Boron and should be used only as recommended. It may prove harmful when misused.

### **Storage and Disposal**

Store in its original package in a cool and dry place, away from the reach of children and animals. Follow directions for fertilizer storage and disposal as per local guidelines, provincial, and federal regulations.

