

# PEN-ULTRA

## AGRICULTURAL SOIL PENETRANT

**“Has No Equal”**

**Banks Water**

**Washes Away Unwanted Salts**

**Increases The Microbial Base**

**Loosens The Soil**

### ACTIVE INGREDIENTS

12.5% polyoxy - Ethanedyl  
Alpha - omega - hydroxyl

### KEEP OUT OF REACH OF CHILDREN

**WARRANTY:** Western Nutrients Corporation makes no warranty, express or implied, including the warranties of merchantability and/or fitness for any particular purpose, concerning this material, except those which are contained on the Western Nutrients Corporation label attached to the product.

**NET CONTENTS 5 GALLONS  
18.93 LITERS**

**8.5 LBS. PER GAL @ 68 ° F  
951 GRAMS PER LITER @ 20 ° C**

### PRODUCT INFORMATION

**PEN-ULTRA** is a very *pure*, very properly formulated material that will lower the surface tension of the water to allow more efficient *penetration* in the diverse soils of the area. The action of this product is to lower the surface tension of the water and allow the water to both *penetrate* the “hard to wet soils” and to act as a “*spreader*” to promote foliar absorption of nutrients.

The results of proper application of **PEN-ULTRA** are: In heavy soils such as expandable clay and adobes, the water will penetrate more readily. *Fertilizer* can be carried into the soils, along with the water, promoting deeper *root systems*. Excess *salts* will be carried away from the root zone as the water continues to penetrate. When used with insecticides and herbicides, the lowering of the surface tension will allow more efficient placement of the materials. Because of less run off, erosion on slopes will be decreased. **PEN-ULTRA** helps loosen *crusted soils*.

When using **PEN-ULTRA** with fertilizers, insecticides, or herbicides, and fungicides, test compatibility by mixing, and agitate the material at the desired concentration level in a 1 pint clear plastic bottle. If no separation is observed, the mixture is compatible and can be mixed in the spray tank. If the ingredients do not mix (form a gel, settle out, or form a creamy layer) the materials are not compatible and should not be used together. **PEN-ULTRA** is compatible with most materials.

**SEED TREATMENT** at planting time, mix 1 pint in 25 gallons of water. Soak bulbs 10 minutes before planting. When germinating seeds and bulbs, spray lightly over seeded area after planting. When treating potted plants, use one drop per cup of water and apply once a month with good drainage.

**TRANSPLANT:** Add **PEN-ULTRA** at 1 qt per 500 gallons of transplant water.

**WATER DISTRICT PERCOLATION PONDS:** Add 3 gallons **PEN-ULTRA** per acre foot of water. This rate can triple the percolation process. Usually this rate will last 60 days. Apply **PEN-ULTRA** evenly over the surface area or treat the incoming water.

### DIRECTIONS FOR USE

#### GENERAL AG RATES

In general **PEN-ULTRA** will greatly increase water penetration, flush salts away from the root zone and reduce clodding and crusting and increase the microbial base in the soil.

A general use rate for **PEN-ULTRA** starts with first irrigation at 1/2 gallon **PEN-ULTRA** per acre. This application will last through 3 irrigation's. Apply 1/2 gallon **PEN-ULTRA** per acre with each third irrigation until harvest.

A general use rate over the growing season is a total of 1 1/2 gallons **PEN-ULTRA** per acre. On tree crops use **PEN-ULTRA** at the rate of 1/2 gallon per acre. This will move water approximately 8 feet vertically and 12 feet horizontally. This is generally what is observed. This will bank water for later use.

**PEN-ULTRA** should be applied by injecting into the irrigation water, and the rate of application should be low and applied over the entire set until 1/2 gallon has been applied per acre.

**It is very important to treat all of the water during the entire irrigation set. PEN-ULTRA can be cut with water or fertilizer to create enough volume to treat the entire set.**

#### General rates:

- For use with herbicides, apply 1/2 pint per acre.
- For use with insecticides and fungicides, apply 1/2 pint per acre.
- For use with fertilizer solutions, add 1 pint per acre.

#### GOLF COURSE

**GENERAL GOLF COURSE RATE--** For injection: 55 gallon per 80 acres applied over a 30 day period.

**FAIRWAYS--** 1 quart - 1 gallon per acre, use enough dilution for maximum coverage.

**GREENS--** 1 - 3 oz. per 1000 sq ft, use enough dilution for maximum coverage.

**TURF--** For problem spots on turf areas, apply 2 - 4 oz. of the **PEN-ULTRA** in 15 - 25 gallons of water to 1000 sq. Ft. in 2 separate applications, 2 to 3 days apart. Irrigate in A.M. daily with minimum run off for 5 days or until soil moisture level has been replenished. Wet turf before applying **PEN-ULTRA** and water in after application.

**PEN-ULTRA** will increase the *MICROBIAL* base in the soil.



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