

PENMAX[®]

Water Penetrant

Penmax will greatly increase water penetration, flush salts away from the root zone, increase the beneficial microbial base, and reduce clouding and crusting.

Get the Most Out of Your Irrigation Water

Penmax Water Penetrant

- Non-Ionic
- No pH effect on soils
- No compounds formed with hard water
- Less product required
- Penmax enhances the activity of soil organisms
- Improves and balances the soil ecology
- Preserves soil moisture by minimizing water evaporation
- Allows water to move deeper and laterally in soils
- Helps carry excess problem salts away from roots
- Creates an improved root/soil interface

Competitive Products

- Ionic
- pH control may be required
- Amount required depends on the water treated
- Adversely affects the soil ecology
- Waterline contamination
- Detrimental to beneficial microbial populations
- High usage rates

Applications With Sulfuric Acid

- Penmax is most effective when applied to the first irrigation set followed by sulfuric acid in the second irrigation set.
- Penmax will remove Sodium and other salts from the soil profile and move water down 8 to 10 feet and 12 feet across.
- Sulfuric acid can be added with less chance of tie ups with salts to move deeper in the soil profile.



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Product Information

In permanent crops, Penmax will move water 8 feet vertically and 12 feet horizontally, which will bank water for later use.

Directions For Use

GENERAL AG RATES

4-6 quarts per acre

Apply 2 quarts of Penmax at first irrigation, followed by 2 quarts per acre every third irrigation.

Apply Penmax directly into the irrigation water over the entire set. It is very important to treat all of the water during the entire length of the irrigation cycle.

For general use with fertilizer, insecticides, herbicides and fungicides. Apply 1/2 pint per acre.

SEED TREATMENT

Mix 1 pint of Penmax in 25 gallons of water. Soak seeds in mixture for 10 minutes before planting.

TRANSPLANTS

Add 1 quart of Penmax per 500 gallons of transplant water.

WATER DISTRICT PERCOLATION PONDS

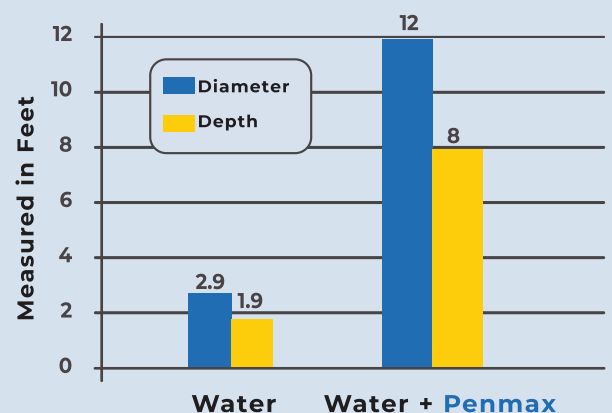
Add 3 gallons of Penmax per acre foot of water. This can triple the rate of percolation and lasts approximately 60 days. Apply Penmax evenly over the surface or treat the incoming water.

Penmax is compatible with most fertilizers, insecticides, herbicides and fungicides. When using Penmax in tank mixes, always perform a jar test.

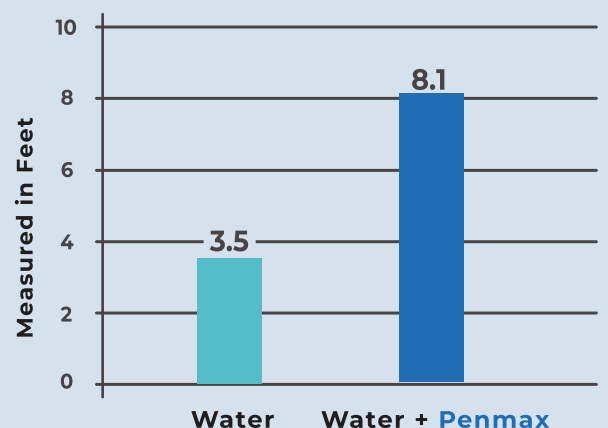
KEEP OUT OF REACH OF CHILDREN

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Penmax Micro-Sprinklers Irrigation Trials on Almonds



Penmax Water Penetration Trials (Depth Using Neutron Probes)



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