



**JHB** Biotech, Inc.  
Innovation for a Greener Earth

Email: biotech@jhbtech.com  
Email: jhtexas@jhbtech.com  
Email: jhflorida@jhbtech.com

Fax: (805)650-8942  
Fax: (830)577-4225  
Fax: (863)537-1836

Phone: (805)650-8933  
Phone: (830)557-4220  
Phone: (863)537-1200

Corporate Office  
Texas Operation  
Florida Operation

# PENEX®

Wetting Agent & Soil Conditioner

**PENEX** is a soil conditioner which aids in water penetration, helps reduce runoff, promotes deeper root systems and increases water efficiency.

**PENEX** is specifically designed to improve soils with a history of poor water penetration. Problem areas in lawns, greens, fairways, sporting fields, agricultural fields and potting soils can be corrected by using **PENEX**. It is an excellent wetting agent for growing media, such as mulch, sawdust, peat moss or manure.

**PENEX** increases water penetration by breaking up soil particles which may have become locked together through compaction or poor soil structure. By unlocking these particles **PENEX** increases water penetration, reduces runoff, increases aeration, allows root systems to move down the soil profile, and allows salt to wash out.

Potatoes: Use 1-2 quarts/acre to break clods. **PENEX** can be used with desiccants to loosen soil for easier potato harvest.

Golf courses and athletic fields: Use 2-3 oz per 1,000 square feet.

## Advantages of PENEX

- Increases Water Penetration
- Clod Buster
- Improves Drainage
- Increases Efficiency of Water Use
- Reduces Water Runoff
- Promotes Root Development



## ACTIVE INGREDIENTS

Ammonium Laureth Sulfate	15%
Amino Acid	5%

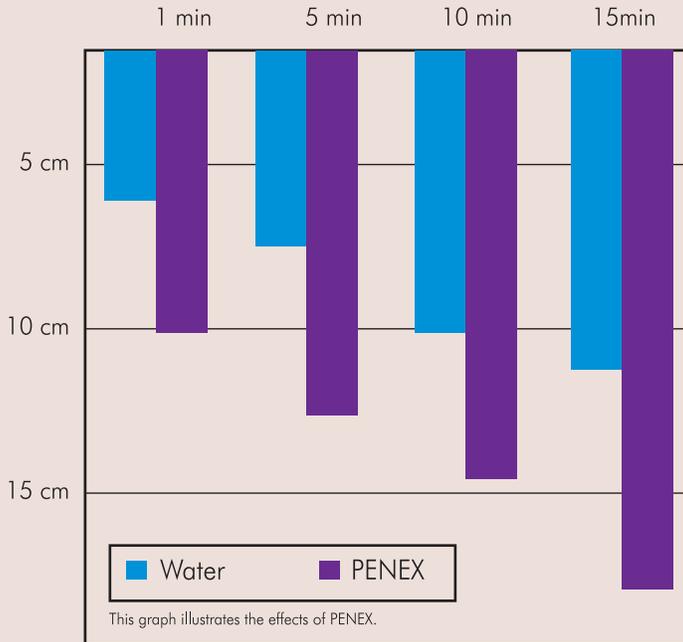
**INERT INGREDIENTS** 80%

**TOTAL** 100%



\* This flyer is not valid in Oregon.

## WATER PENETRATION INTO SOIL



Time	Water (cm)	PENEX (cm)	Improvement (%)
1 min.	6.5	10.2	57%
5 min.	7.0	12.4	77%
10 min.	10.2	14.6	43%
15 min.	11.3	18.0	59%

## PENEX DEMONSTRATION:

**PENEX** was mixed with water at the rate of 16 oz. per 30 gallons of water per acre. Soil with a bulk density of 1.2 g/cm<sup>3</sup> was added to a cylinder. Deionized water was used as the control. The liquid was poured into the cylinders and the rate of infiltration was measured in centimeters. Measurements were taken at 1 minute, 5 minute, 10 minute and 15 minute intervals. The **PENEX** treatment had greater infiltration in all four measurements.



**Corporate Office**  
4951 Olivas Park Dr.  
Ventura, CA 93003 USA

**Texas Operation**  
360 Koepsel Road.,  
McQueeney, TX 78123 USA

**Florida Operation**  
1390 80 Foot Road,  
Bartow, FL 33830 USA

For labels and SDS, visit our website at [jhbiotech.com](http://jhbiotech.com) or call us at 805.650.8933

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