



JHBiotech

Innovation for a Greener Earth

Like Us On  **JH Biotech, Inc.** Phone: (805)650-8933 Fax: (805)650-8942 E-mail: biotech@jhbiotech.com <http://www.jhbiotech.com>
JH Biotech, Inc. Florida. Phone: (863)537-1200 Fax: (863)537-1836 E-mail: jbflorida@jhbiotech.com
JH Biotech, Inc. Texas. Phone: (830)557-4220 Fax: (830)557-4225 E-Mail: jbtxas@jhbiotech.com

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%

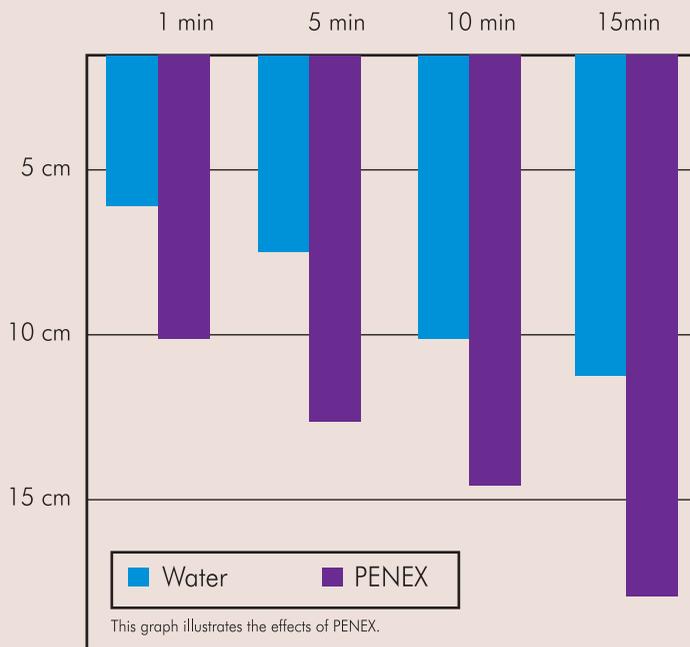
TOTAL

100%



* This flyer is not valid in Oregon.

WATER PENETRATION INTO SOIL



PENEX DEMONSTRATION:

PENEX was mixed with water at the rate of 16 ounces of **PENEX** per 30 gallons of water per acre. Soil with a bulk density of 1.2 g/cm³ 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 at all four measurements.



JH Biotech, Inc.
Corporate Office
 4951 Olivas Park Dr.
 Ventura, CA 93003 USA

JH Biotech, Inc.
Texas Operation
 360 Koepsel Road
 McQueeney, TX 78123 USA

JH Biotech, Inc.
Florida Operation
 1390 80 Foot Road
 Bartow, FL 33830-8765 USA

For labels and MSDS, visit our website at www.jhbiotech.com or call us at 805.650.8933

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