

# PENTRA-BARK®

## BARK PENETRATING SURFACTANT

### PRINCIPLE FUNCTIONING AGENTS:

Alkylphenol ethoxylate, polysiloxane polyether copolymer, propylene glycol .....	99.8%
CONSTITUENTS INEFFECTIVE AS A SPRAY ADJUVANT .....	0.2%
<b>TOTAL</b> .....	<b>100.0%</b>

All ingredients are exempt from tolerance requirements under 40 CFR, 180.

U. S. EPA 83416

### CAUTION

#### KEEP OUT OF REACH OF CHILDREN

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. Wash thoroughly with soap and water after handling.

**Personal Protective Equipment:** Wear protective eyewear, long-sleeved shirt and long pants, shoes plus socks when mixing or applying **PENTRA-BARK®**.

#### FIRST AID

**If Swallowed:** Call a physician or Poison Control Center immediately. Do not induce vomiting, unless told to do so by a poison control center or doctor. Have person sip a glass of water if able to swallow.

**If on Skin:** Remove contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

**If in Eyes:** Flush with water for at least 15 minutes. Remove contact lenses if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

**If Inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth to mouth if possible.

#### GENERAL INFORMATION

**PENTRA-BARK®** is a superior nonionic wetting agent, designed for improving penetration through bark of water based basal applications. **PENTRA-BARK®** may be used in agriculture, horticulture, industrial, and forestry operations. It is designed for fast spreading, uniform distribution and absorption of spray on leaf and stem surfaces. **PENTRA-BARK®** may be used with most pesticides and fertilizer products (see cautionary statements under directions for use). Optimum application and consequent effects can be influenced by many factors. It is recommended that the spray be observed and adjuvant rates be adjusted accordingly. During application, insure thorough coverage without excessive runoff.

#### DIRECTIONS FOR USE

**PENTRA-BARK®** is a nonionic organosilicone wetting agent designed for use in certain agricultural and horticultural uses where a nonionic surfactant is recommended. Suggested Rates for the use with various categories of chemicals are as follows:

##### Ounces of PENTRA-BARK® to add per 100 gal. of spray mixture

###### Chemical Group

Insecticides, Miticides & Fungicides .....	6 to 32 fl. oz.
Herbicides .....	12 to 64 fl. oz.
Glyphosate formulations without added surfactants .....	12 to 64 fl. oz.
Defoliant & Desiccants .....	12 to 64 fl. oz.
Fertilizers & Micronutrients .....	4 to 32 fl. oz.

**NOTE:** Carefully read and follow the specific directions contained on the label of the chemical used. Before adding **PENTRA-BARK®** to spray tank mixes or before using with a pesticide or fertilizer where a nonionic adjuvant is not specifically recommended but not prohibited by the manufacturer, the user or application advisor must have experience with the combination or must have conducted a phytotoxicity trial of their own. For local recommendations, consult a competent agricultural authority.

**Basal Bark Treatment:** **PENTRA-BARK®** is specially designed to aid penetration of fertilizers, nutrients, insecticides, fungicides, and herbicides through the bark. Use 1 1/2% to 2 1/2% **PENTRA-BARK®** by volume of spray solution. Consult pesticide label for specific use rates and application method, or contact your Quest Representative.

**Aerial Application:** When applying aerially, follow pesticide label directions including minimum water volume per acre. Do not substitute **PENTRA-BARK®** for water required by the pesticide label.

**Irrigation Injection:** Applications of **PENTRA-BARK®** through irrigation systems are possible provided the recommended use rates and dilutions are maintained and local, state, and federal guidelines are followed.

**Water Penetration of Hard-to-Wet Soils:** For most efficient water penetration of hard-to-wet soils and the even distribution of applied moisture, use 1 pint per 100 gallons of water as a spot or area treatment.

**NOTE:** Not for use with aquatic applications in the State of Washington.

#### MIXING

Spray mixing and application equipment must be cleaned according to cleaning directions on prior pesticide label before application.

To minimize and help prevent foaming, fill tank 2/3 to 3/4 full of water. Add pesticides and/or fertilizers as directed by label or in the following sequence: 1) Micronutrients and fertilizer; 2) Dry flowables and dispersible granules; 3) Flowables; 4) Water soluble pesticides; 5) Emulsifiable concentrates.

While agitating, add **PENTRA-BARK®** and mix for 1 to 2 minutes with lower than normal agitation. Continue filling tank maintaining minimal agitation. For most effective results, apply within 36 hours after mixing.

#### STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Do not store near heat or open flame. Store in original container.

**Pesticide:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**Container:** Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration.

#### NOTICE TO BUYER

To the extent permitted by law, all conditions and warranties and statutory or other rights of action which buyer or any other user may have against Quest Products Corp. are hereby excluded. Quest Products Corp. hereby gives notice to buyer and other users that it will not accept responsibility for any indirect or consequential loss arising from reliance on product information provided by Quest Products Corp. or on its behalf unless it is established that such information or advice was provided negligently and that the product has been used strictly as directed. Quest Products Corp's liability shall in all circumstances be limited to replacement of product or a refund of the purchase price thereof.

*Pentra-Bark® is a registered trade mark of Quest Products Corporation.*

*Patent pending.*



Distributed by: AgBio Inc.

9915 Raleigh St., Westminster, CO 80031

303-469-9221; fax 303-469-9598

agbio@agbio-inc.com