



**NONIONIC OIL CONCENTRATE/BUFFERING ADJUVANT**

**\*ACTIVE INGREDIENTS:**

Proprietary Blend of Light to Mid-Range Paraffin Oil, Polyol Fatty Acid Esters,  
Polyethoxylated Esters thereof, Ethoxylated Alkyl Aryl Phosphate  
Esters ..... 99.00%

**Components ineffective as adjuvant** ..... 1.00%

**TOTAL** ..... 100.00%

Surfactant Content: ..... 20.00%  
Petroleum Oil Min. Unsulfonated Residue – 92%  
\*Ingredients exempt from the requirements of a tolerance under 40 CFR 180.

waste. Do not store near heat or open flame. Do not store with oxidizing agents or ammonium nitrate.  
**CONTAINER DISPOSAL:** Triple rinse (or equivalent) and add rinsate to spray tank, then offer for recycling or reconditioning, or puncture and dispose of according to state and local authorities. If burned, stay out of smoke.  
For help in chemical emergencies involving spill, leak, fire or exposure call toll-free 1-800-424-9300.

**GENERAL INFORMATION**

**PENETRATOR® PLUS** is a nonionic blend of special surfactants, buffering agents, and a highly refined spray oil and is designed for use with a broad range of pesticides. Subject to the cautionary statements set forth in the Directions For Use, **PENETRATOR® PLUS** may be used with pesticides and/or fertilizer products. The addition of **PENETRATOR® PLUS** to a spray tank improves pesticide application by modifying the wetting and deposition characteristics of the spray solution resulting in a more even and uniform spray deposit and by adjusting the pH of alkaline waters and minimizing hydrolysis of pesticides which tend to decompose in alkaline spray solutions. **PENETRATOR® PLUS** can positively affect pesticide spray application and pesticide efficacy. Optimum application and effects, however, can be influenced by the crop, pest, spray equipment, spray volume, pressure, droplet size, spray mixture, and environmental factors. Consequently, it is recommended that careful observations of the spray deposit be made and adjuvant concentrations be adjusted accordingly.  
Do not apply this product in such a manner as to directly or through drift expose workers or other persons. Do not spray pesticides if conditions of thermal inversion exist, or if wind direction and speed may cause spray drift onto adjacent areas. Drift minimization is the responsibility of the applicator. Consult your local and state agricultural authorities for information regarding avoiding or minimizing spray drift.

**DIRECTIONS FOR USE**

**FOR USE WITH PRODUCTS REGISTERED FOR: AGRICULTURAL, FORESTRY, INDUSTRIAL, MUNICIPAL, NON-CROPLAND, ORNAMENTAL, RIGHTS-OF-WAY, TURF AND OTHER USES.**

For use with any pesticide that recommends the use of an oil concentrate or crop oil concentrate spray adjuvant. The addition of an adjuvant to some pesticides or pesticide tank mix combinations may cause phytotoxicity to the foliage and/or fruit of susceptible crops. Prior to the application of **PENETRATOR® PLUS** in spray tank mixes and/or prior to the application of **PENETRATOR® PLUS** with a pesticide and/or fertilizer where an oil or oil adjuvant is not specifically recommended but not prohibited by the product(s) label(s), the user or application advisor must have experience with the combination under similar environmental and crop cultural conditions and/or have conducted a phytotoxicity trial under similar environmental and crop cultural conditions.

**PENETRATOR® PLUS** may be applied by Ground, CDA, and Aerial spray equipment.

In most cases, use enough **PENETRATOR® PLUS** to allow for uniform wetting and deposition of the spray onto leaf surfaces without undue runoff or to adjust spray pH to the optimum range.

**WHEN USED FOR WETTING, SPREADING, AND PENETRATION:**

**GROUND:** Use 4-8 pints per 100 gallons of spray solution or follow the pesticide(s) label(s) recommendations if higher or lower volumes are required. Do not use less than 0.50% v/v concentration.

**AERIAL, LOW VOLUME, CDA:** Use 6-8 fluid ozs. in 1-5 gallons water per acre or follow the pesticide(s) label(s) recommendations if higher or lower volumes are required.

**MIXING**

Prior to any pesticide application, all spray mixing and application equipment must be cleaned. Carefully observe all cleaning directions on the pesticide(s) label(s). Fill spray tank one-half full with water and begin agitation. Add pesticides and/or fertilizers as directed by labeling or in the following sequence:

1. Dry flowables or water dispersible granules
2. Wettable powders
3. Flowables
4. Solutions
5. Emulsifiable concentrates

And continue filling. Add **PENETRATOR® PLUS** last and continue agitation.

**CONDITIONS OF SALE-LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES**

**Read the Conditions of Sale-Warranty and Limitations of Liability and Remedies before using this product. If the terms are not acceptable, return the product, unopened, and the full purchase price will be refunded.**

The directions on this label are believed to be reliable and must be followed carefully. Insufficient control of pests and/or injury to the crop to which the product is applied may result from the occurrence of extraordinary or unusual weather conditions or the failure to follow the label directions or good application practices, all of which are beyond the control of Helena Agri-Enterprises, LLC (the "Company") or seller. In

<p><b>KEEP OUT OF REACH OF CHILDREN</b></p> <p><b>WARNING</b></p> <p>May be harmful if swallowed May be harmful in contact with skin Causes eye irritation Causes skin irritation May be harmful if inhaled</p>	
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NET CONTENTS:  2.5 Gallons (9.46 Liters) SN 0315/0418HAE  
 30 Gallons (113.55 Liters)  
 55 Gallons (208.18 Liters)  
 250 Gallons (946.25 Liters)

**MANUFACTURED FOR**  
**HELENA AGRI-ENTERPRISES, LLC**  
**225 SCHILLING BOULEVARD, SUITE 300**  
**COLLIERVILLE, TN 38017**  
**901-761-0050**

**PRECAUTIONARY STATEMENTS**

**HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

**WARNING**

**BEFORE USING THIS PRODUCT, READ ALL PRECAUTIONS, DIRECTIONS FOR USE, CONDITIONS OF SALE-LIMITED WARRANTY AND LIMITATIONS OF LIABILITY AND REMEDIES.** May be harmful if swallowed. May be harmful in contact with skin. Causes eye irritation. Causes skin irritation. May be harmful if inhaled. Keep product locked up and out of the reach of children. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum or smoking tobacco. Remove and wash contaminated clothing before reuse. Do not take internally. Avoid contact with or inhalation of spray application mist if present. Do not apply this product in such a manner as to directly expose workers or other persons. If product is being mixed with pesticides and/or spray adjuvants, follow all precautionary statements on the accompanying product(s) labeling. Not for human or animal consumption.

**Personal Protective Equipment (PPE):** Wear protective eyewear (goggles or face shield), chemical-resistant gloves, long-sleeved shirt and long pants, and shoes plus socks.

<b>FIRST AID</b>	
<b>IF IN EYES:</b>	<ul style="list-style-type: none"> <li>• Remove contact lenses if possible and flush eyes with clean water for 15 minutes.</li> <li>• Seek medical attention if irritation persists.</li> </ul>
<b>IF SWALLOWED:</b>	<ul style="list-style-type: none"> <li>• Do not induce vomiting.</li> <li>• Immediately call a physician.</li> </ul>
<b>IF ON SKIN:</b>	<ul style="list-style-type: none"> <li>• Remove contaminated clothing and wash skin with soap and water.</li> <li>• Call a physician if irritation persists.</li> </ul>
<b>IF INHALED:</b>	<ul style="list-style-type: none"> <li>• Move to fresh air and call a physician if irritation develops or persists.</li> </ul>

If contact is made with the spray solution containing pesticide, follow the "Statement of Practical Treatment/First Aid" on the pesticide(s) label(s). Do not smoke, drink, or eat while using this product. Take off any contaminated clothing and wash before reuse.

**STORAGE AND DISPOSAL**

Store in original container only. Keep container tightly closed, do not allow water to be introduced into the contents of this container. Do not contaminate water sources by runoff from cleaning of equipment, disposal of equipment washwaters or spray

**Disclaimer:** Always refer to the label on the product before using Helena or any other product.

addition, failure to follow label directions may cause injury to crops, animals, man or the environment. The Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purpose referred to in the directions for use subject to the factors noted above which are beyond the control of the Company. The Company makes no other warranties or representations of any kind, express or implied, concerning the product, including no implied warranty of merchantability or fitness for any particular purpose, and no such warranty shall be implied by law.

The exclusive remedy against the Company for any cause of action relating to the handling or use of this product shall be limited to, at Helena Agri-Enterprises, LLC's election, one of the following:

1. Refund of the purchase price paid by buyer or user for product bought, or
2. Replacement of the product used

To the extent allowed by law, the Company shall not be liable and any and all claims against the Company are waived for special, indirect, incidental, or consequential damages or expense of any nature, including, but not limited to, loss of profits or income. The Company and the seller offer this product and the buyer and user accept it, subject to the foregoing conditions of sale and limitation of warranty, liability and remedies.

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SPECIMEN LABEL