HIGH PRECISION TERMITE CONTROL

BASF Professional & Specialty Solutions


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At BASF, innovation plays an important role and provides Pest Management Professionals (PMPs) with…

…the most advance termite treatment products and tools.
Challenges of termite treatments

Since Termidor® first US registration in 2000 until today, more than six million homes have been successfully treated with our product. However, the efficacy of current control methods relies on a methodology that involves digging trenches to establish continuous treatment zones around the foundation of the structure.
Standard Application Method
Digging trenches to establish continuous treatment zones

Left: Tony Hilskotter, Clark Pest Control technician, performing a volume displacement vs. time calibration (the bucket method).

Center: Tony treating a trench at 2 gal/10 ln.ft.

Preventive Pest Control technician using a flow meter.
Challenges of termite treatments

It is extremely difficult to create and maintain uniform horizontal and vertical treatment zones. Although there are many variables that can affect the efficacy of termite treatments, it is critical to make uniform and precise applications.
Soil properties
Particle size, water, microcapilarity, air, and organic matter content…

<table>
<thead>
<tr>
<th>Soil Content (%)</th>
<th>Soil Types</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Sand</td>
</tr>
<tr>
<td>Sand</td>
<td>80-100</td>
</tr>
<tr>
<td>Silt</td>
<td>0-10</td>
</tr>
<tr>
<td>Clay</td>
<td>0-10</td>
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</tbody>
</table>
Challenges of termite treatments

With our latest innovations, Termidor® H•P High Precision Termiticide Termidor® H•P High Precision Injection System,
PMPs are able to inject Termidor® directly into the soil with unrivaled accuracy, precision, minimum disruption to landscape, and less water consumption.
The Future of Termite Treatment

It is all about precision:

- Cellular data transfer from a mobile device (cell phone, tablet, or Ipad™)
- Controlled from an onboard computer.
- Online and real-time reports
- Bluetooth communication
- Global Positioning (GPS) Coordinates can be plugged into google earth.
An evolving technology…

Base Unit

PID (Precision Injection Device)
An evolving technology…
Termidor® H•P High Precision Injection System

Base Unit
Weight: 265 lbs
L45” x W18.5” x H36”

Treatment hose with electric reel
75-80 lbs
L20” x W26” x H20”

PID
38 lbs
Termidor® H•P High Precision Injection System

Mounting options used by PMPs. 120 units right now in USA… with about 90 different PMPs. Info: changes daily. Intl.: Japan, Australia, & Brazil.
System Components
Standard Application vs. Hydraulic Trenching

PID = Hydraulic Trenching (HT) Mode

Standard Application (SA) Mode
Communication Process

Termidor® H•P Database & Website

Wireless Network

Termidor® H•P Mobile App

Base Unit

PMP

We create chemistry

PID
1. Assigned person (not a technician) must log in from office computer.

2. Create the work orders for the day by entering the information. Home address, work order number, and total linear feet to be treated.
Log in to the mobile app from your android phone or tablet.

**IMPORTANT:**
PID and Base Unit must be turned ON
Android Mobile App.
Sending a new work order to the unit...
Operation
Hydraulic Trenching (HT) Mode

HOME SCREEN

WORK ORDER SCREEN

TERMIDOR HP
BASF PEST CONTROL SOLUTIONS
Caution:
Before operating this equipment you must be trained and certified by a BASF authorized
TERMIDOR HP instructor/trainer.
10:09.12 01/20/2015
VERSION: 2.2
START CLOCK PROD

TERMIDOR HP - SET LOCATION
WORK ORDER

test2 1.19.2015
4032 E. Jojoba Rd.
Phoenix, AZ

OK DATA
Soil Settings
Hydraulic Trenching (HT) Mode

75% less water used
Mode Selection
Hydraulic Trenching (HT) Mode
Operation
Standard Application (SA) Mode

HT MODE SCREEN

SA MODE SCREEN
Android Mobile App.
To complete a work order…

**PID and Base Unit must be ON**

**NOTE:** once a work order has been completed, the data from the base unit is collected by the PID, gathered by the Android Mobile App., and sent to the Termidor® H•P website.

After completing a work order, all information is zeroed out and the unit is ready for a new work order.
Time and Motion Study (Arizona 2014)

Standard vs. Hydraulic Trenching.

<table>
<thead>
<tr>
<th>Treatment</th>
<th>Time saved per linear foot</th>
<th>Time saved per treatment of 200 linear foot home</th>
</tr>
</thead>
<tbody>
<tr>
<td>$H \cdot P$ vs SC</td>
<td>35.8 sec</td>
<td>119 min (~2 hrs)</td>
</tr>
<tr>
<td>$H \cdot P$ vs HE</td>
<td>12.5 sec</td>
<td>41.7 min</td>
</tr>
</tbody>
</table>
ADVANTAGES
The most efficient is also the most precise.

New technology that's revolutionizing the way termites are treated with automated treatment tracking.

Considerable time savings with no trenching, no rodding, and minimal disruption to landscaping.*,**

Precisely applies product where it's needed to protect the structure with reduced exposure.

Provides a more uniform treatment zone around the structure.**

Advanced application technology cuts water usage by 75%.*,**

Stay confident with the time-tested strength of Termidor®.

* Under most conditions. ** As compared to standard liquid applications.