

PRECISION

DELIVERY SYSTEM

Featuring Taurus® Dry - Dry Flowable Termiticide

**Doxem® Precise - Research Summary - Dr. Michael K. Rust –
University of California , Riverside, Riverside, CA**

OBJECTIVES

CSI entomologists had several goals:

1. Determine if Taurus® Dry was repellent to drywood termites
2. Determine the toxicity of Taurus® Dry to drywood termites

AVOIDANCE TEST - LABORATORY STUDY TAURUS DRY

An avoidance and efficacy study were conducted in a choice arena.

METHODS FOR COMPLETING THE TEST

Insect used in the test: Western drywood termites (*Incisitermes minor*)

Disks were cut from pieces of balsawood and a quarter section of each disk was marked with a pen. The disks were placed in the bottom of plastic petri dishes. The quarter sections were treated with one of the treatment dusts. The dusts were spread out with a fine-hair paint brush. Care was taken to keep dust confined to the treated quarter of the disks.

Termites were introduced to the untreated $\frac{3}{4}$ section of the disk.

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EFFICACY RESULTS

Neither the Taurus® Dry nor the Termidor® Dry showed any repellency to the termites.

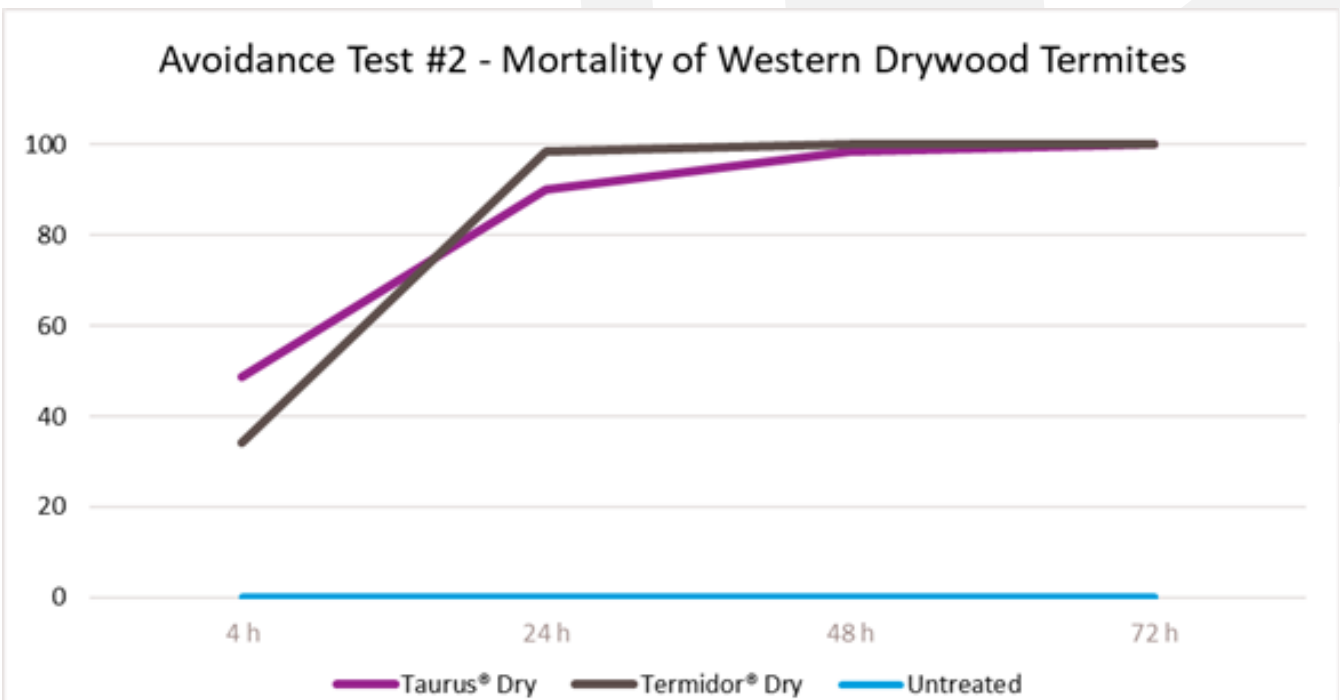
Taurus® Dry provided slightly slower kill, but all termites were dead by 8 days after treatment. Control replications behaved normally and began to feed and construct galleries within 24 hours of introduction into the arenas.

Table 1. Cumulative mortality (%) of drywood termites exposed to a choice test in petri dish arena.

% Mortality at hour				
PRODUCT TESTED	4 h	24 h	48 h	72 h
Taurus® Dry	48.6	90	98.6	100
Termidor® Dry	34.3	98.6	100	100
Untreated	0	0	0	0

Termidor is a registered trademark of BASF Corporation.

Graph 1. Cumulative mortality (%) of drywood termites exposed to a choice test in petri dish arena.



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Figure 1. Construction of the disk arenas. Photos courtesy of Dr. Michael Rust, University of California, Riverside.

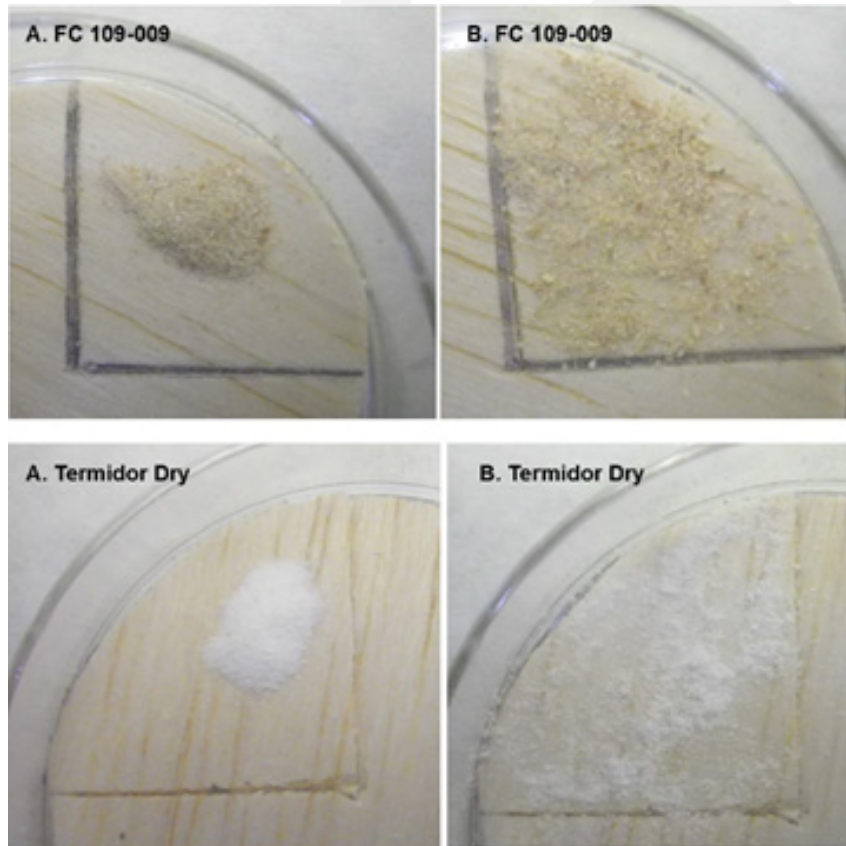


Figure 2. Arenas after introduction of termites. Note the termites interacted with the Taurus[®] Dry and moved it around in the "+" arena. This further indicates non-repellency. Photo courtesy of Dr. Michael Rust, University of California, Riverside.

Precision Delivery System featuring Taurus[®] Dry

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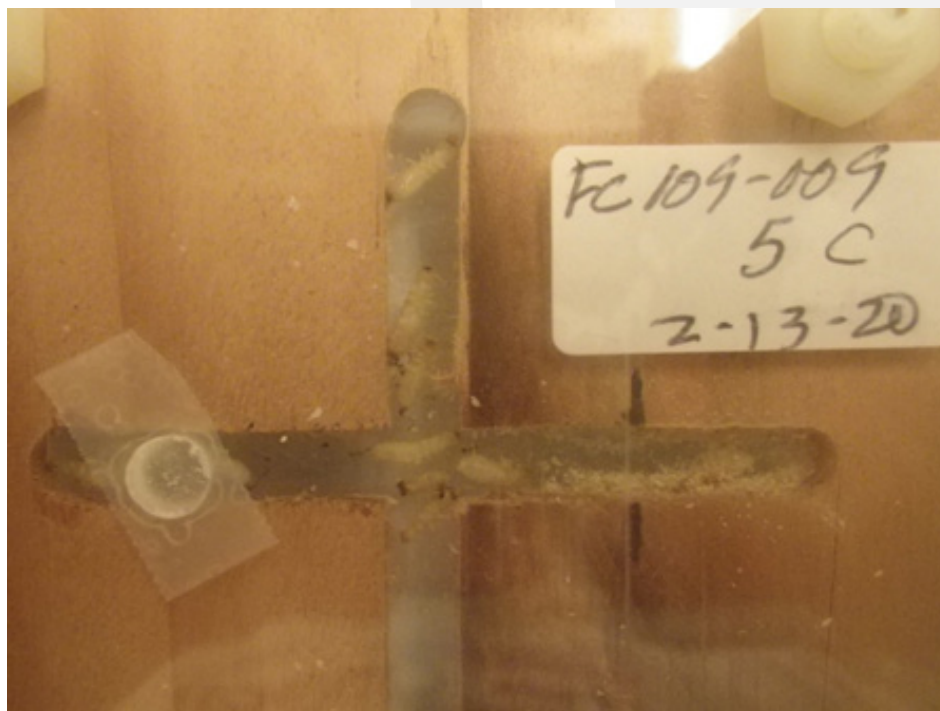
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CONCLUSIONS

1. Taurus® Dry is non-repellent to drywood termites
2. Taurus® Dry is slightly slower than Termidor® Dry at killing drywood termites
3. Significant control (90%) of drywood termites occurred within 24 hours of exposure to Taurus® Dry

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