

Tree Termite (*Nasutitermes costalis*) Eradication Effort

Supplement to the May 14, 2003 Progress Report **September 26, 2003**

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Introduction

The May 14, 2003 Progress Report provided information on the April 23, 2003 eradication effort. Two aspects of the effort were not included in that report, the results of analyses of the soil and water samples taken before and after the application of the pesticides, and a report on the fumigation of the two boats and two trailers that occurred the same day.

This Supplement provides the sample analyses and a report by Dr. Ellen Thoms of Dow AgroSciences on the fumigation effort.

Water and Soil Samples

The tables below provide the sample information and analytical results for the samples collected pre- and post application. The pre-application samples consisted of one soil and two water samples collected in the application area. No fipronil or imidacloprid was detected in these samples at a minimum detection level of 0.04 ppb for fipronil and 0.5 ppb for imidacloprid in the water samples, and 0.71 ppb and 11 ppb respectively in the soil sample.

Samples collected on the day of application consisted of two formulation samples, two tank mix samples, and post-application samples of water and soil from the same locations as the pre-application samples. Formulation and tank mix samples showed fipronil and imidacloprid present at the concentrations expected based on the label guarantees and mixing directions.

Water samples showed no detections at the same minimum detection levels observed for the pre-application samples. The soil sample collected from Section 3 showed detections of both imidacloprid and fipronil. This occurred due to the treatment of this area with both products. Initially, this area was an imidacloprid treatment area, but after discovering additional nests in the area, a treatment team using fipronil also treated nests in this block.

Pre-Application Samples

SAMPLE NUMBER	DATE COLLECTED	SAMPLE TYPE	ANALYTES	RESULTS
042203-4073-0101	4/22/03	Water - pond in section 4	Firpronil, imidacloprid	Non-detect
042203-4073-0102	4/22/03	Soil - Section 3	Firpronil, imidacloprid	Non-detect
042203-4073-0103	4/22/03	Water - canal in Section 6	Firpronil, imidacloprid	Non-detect

Post-Application Samples

SAMPLE NUMBER	DATE COLLECTED	SAMPLE TYPE	ANALYTES	RESULTS
042303-4073-0101	4/23/03	Formulation	Fipronil	9.3%
042303-4073-0102	4/23/03	Formulation	Imidacloprid	21.1%
042303-4073-0103	4/23/03	Tank mix	Fipronil	0.11%
042303-4073-0104	4/23/03	Tank mix	Imidacloprid	0.10%
042303-4073-0105	4/23/03	Water- Pond in Section 4	Fipronil Imidacloprid	Non-detect
042303-4073-0106	4/23/03	Soil - Section 3	Fipronil Imidacloprid	5.5 ppb 580 ppb
042303-4073-0107	4/23/03	Water - canal in Section 6	Fipronil Imidacloprid	Non-detect

Fumigation Effort

Dr. Ellen Thoms of Dow Agrosiences provided a report on September 5, 2003 that provided details of the fumigation portion of the April 23, 2003 eradication effort. That report is attached as Appendix A to this document. A total of 40.2 pounds of Vikane was used to fumigate the two trailers and two boats.