



Statewide Termite Survey LOGIC MODEL Submitted by Paul Baker

SITUATION	INPUTS	OUTPUTS		OUTCOMES – IMPACT		
		Activities	Participation	Short	Medium	Long Term
<p><i>What is the problem or need?</i></p> <p>Termites are considered by experts and homeowners alike to be our number one urban pest. Back in 2003 Americans spent over \$2.5 billion dollars on control of subterranean termites alone (National Pest Management Association). Nearly 90% of the control focused on the 3 major pest species, one of which resides in Arizona, <i>Heterotermes aureus</i>. To date, neither this termite nor any of the 16 non-pest species of termites within our borders has had its statewide distribution well documented.</p>	<p><i>What we invest</i></p> <p>I am requesting \$2,300 to be used for cooperators who will receive at least \$100 each, materials (collecting devices and supplies), travel in-state all sites, equipment (a GPS unit) and staff time.</p>	<p><i>What we do</i></p> <p>With this statewide termite survey, we will not only increase our knowledge and understanding of our termites biology, ecology and their statewide distribution, but it will lead to better control strategies, reductions to the environmental pesticide load as well as the reduction of termiticide applications in locations that do not have economically important termites. We propose to place several termite-collecting collars in at least 8 counties (listed above). Each cooperator will receive personalized instruction on the setup and maintenance of the collection collars, along with collection procedures for the preservation of the termites. In addition, a Baker lab representative will travel to each location for observational data collection and to determine GPS coordinates.</p>	<p><i>Who we reach</i></p> <p>Our intended audience is the homeowners and citizens of Arizona who have had or will have termites.</p>	<p><i>What the short term results are</i></p> <p>Increase in knowledge and understanding of termite biology, ecology and distribution. This will lead to better control strategies and reduced pesticides to the environment and potential health risks.</p>	<p><i>What the medium term results are</i></p> <p>A distribution map of the termites in Arizona, which will enable pest management professionals and homeowners to anticipate what type of termites they would encounter in their region of the state along with viable information regarding pest identification and control strategies. Primary access will be via a website.</p>	<p><i>What the ultimate impact(s) is</i></p> <p>Samples will be utilized to determine DNA gene flow in termites</p>