



## LOGIC MODEL-Support for the 2007 Buffelgrass Summit: Developing a framework for buffelgrass control in Southern Arizona

SITUATION	INPUTS	OUTPUTS		OUTCOMES – IMPACT		
		Activities	Participation	Short	Medium	Long Term
<p><i>What is the problem or need?</i></p> <p>The exponential increase of buffelgrass is having serious negative consequences to the environment and economy in Southern Arizona. Current control &amp; mitigation efforts are not keeping pace with the rapid spread of buffelgrass.</p> <p>Enhancing noxious integrated weed management efforts is an IPM Coordinating Committee Priority.</p>	<p><i>What we invest</i></p> <p>Funding for meals for summit participants, the filming &amp; editing of an educational video, the printing and distribution of a summary report, and the printing and distribution of working-group follow-up reports.</p> <p>Staff time &amp; salaries of numerous individuals from many agencies &amp; governments will be used to match the requested funds.</p>	<p><i>What we do</i></p> <p>Educate policy makers &amp; land managers by holding a summit centered on key obstacles to effective control.</p> <p>These include mapping needs, ordinances, landscape contractor capacity &amp; education, jurisdictional issues and entry permits, supporting grassroots efforts, and long-term funding.</p>	<p><i>Who we reach</i></p> <p>Local, County, State and Federal Land Mgmt Agencies</p> <p>State, County (Pima, Maricopa, Cochise, Pinal, &amp; Santa Cruz), and Local Govts</p> <p>Ultimately, the benefits of the summit will serve all citizens of Arizona by protecting the natural environment and the social &amp; economic benefits derived from it.</p>	<p><i>What the short term results are</i></p> <p>The establishment of a dialogue between all stakeholders on the resolution of specific issues resulting in the establishment of a buffelgrass control &amp; mitigation strategy for 2007.</p> <p>Increased awareness among public &amp; gov't officials of the negative consequences of the buffelgrass invasion.</p>	<p><i>What the medium term results are</i></p> <p>The implementation of the buffelgrass control strategy will prevent ecological and economic losses resulting from the transformation of the Sonoran Desert into a flammable, Africanized savanna.</p>	<p><i>What the ultimate impact(s) is</i></p> <p>A framework for dealing with other invasive species problems and other regional environmental problems that require the cooperation of many agencies and governments.</p> <p>The prevention of the loss of a unique American ecosystem.</p>

**Assumptions:** *(Beliefs, expectations, and principles that guide our work.)*

1. The buffelgrass invasion is the currently most serious threat to the viability of the Sonoran Desert and the economies that depend on it.
2. The costs of control are dwarfed by the costs of inaction.
3. The longer significant, regional action is delayed, the greater the cost and difficulty of achieving successful control becomes
4. This is a regional problem that requires regional solutions consisting of cooperation across jurisdictional boundaries

**Environment:** *(Influential factors)*

1. Buffelgrass populations are doubling every year, and so are costs of control
2. The constraints on the spread of buffelgrass to increasing latitudes and elevations are relaxing as temperatures increase and newer, more cold-tolerant cultivars continue to be developed by the USDA Agriculture Research Service and released just south of the US-Mexico border
3. Abundant fuels not previously present + Virtually unlimited Ignitions + Unadapted ecosystems = Ecosystem transformation + Transformation of existing economic and social structure