

Invasive Plant Grant Program
2014 Grant Application-ASFD

FOR OFFICIAL USE ONLY	
Dollar Amount Requested:	\$20,000
Matching Share:	\$20,000
Percent (%) Matching	50%%

Applicant Information	
Applicant:	Tucson Botanical Gardens
Contact Person:	Michelle Conklin, Executive Director
Address:	2150 N. Alvernon Way
City/Zip Code:	Tucson, AZ 85712
Phone (Work/Cell):	520-326-9686, x15
Email:	execdirector@tucsonbotanical.org
Fax:	520-324-0166

Project Information			
Name of Project:	"Alien Invasion: Of the Plant Kind" Extension		
Community Name:	Tucson		
County:	Pima	Congressional District:	8
Latitude (decimal degrees):	32.12	Longitude (decimal degrees):	110.93

Grant Contributors (Matching Share)							
(Federal dollars DO NOT qualify)							
Please specify each match contributor and the dollar amount of each contribution.							
Please DO NOT show grant requested funds in this table. This is for matching share only.							
Contributors: (Please specify)	Wallace & Stonewall Fnds.	Tucson Botanical Gardens					TOTAL
Dollars (Hard Match):	\$15,000	\$0	\$0	\$0	\$0	\$0	\$15,000
In-Kind (Soft Match):	\$0	\$5,000	\$0	\$0	\$0	\$0	\$5,000
TOTAL:	\$15,000	\$5,000	\$ 0	\$ 0	\$ 0	\$ 0	\$20,000

Total Project Expense (break down matching share totals from block three)				
	Grant Share (\$ Amount Requested)	Match (from block three)		TOTAL
		Dollars	In-Kind	
Personnel / Labor:	\$18,000	\$15,000	\$4,000	\$37,000
Operating / Supplies:	\$2,000	\$0	\$1,000	\$3,000
Travel:	\$0	\$0	\$0	\$ 0
Contractual Services:	\$0	\$0	\$0	\$ 0
Equipment:	\$0	\$0	\$0	\$ 0
Indirect Costs:	\$0	\$0	\$0	\$ 0
TOTAL:	\$20,000	\$15,000	\$5,000	\$40,000

Project Summary (check all that apply and answer related questions in appropriate box)			
5	Is this a new project? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
	What is the duration of this project? (24 month maximum) 12 months		
	Number of acres to be treated:	NA	Estimated cost per acre: NA
	Are the acres to be treated contiguous (adjacent to each other)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If no, please describe their layout in block six (6).		
	Does this project have a current invasive/noxious plant management plan? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, please attach the plan to this application.		
	Is this project managed by a professional land manager? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Please provide qualifications in block six (6).		
	Number of communities directly affected by this project:	2+	
	Number of citizens to be reached:	900+	
	Number of residences affected:	0	

Project Area Description	
All information for the project should fit into the allotted character space provided below. Addendum may be submitted if more space is needed.	
6	<p>Provide an overview of the project and the project area. 2500 characters</p> <p>The Tucson Botanical Gardens "Alien Invasion: Of the Plant Kind," installed in 2013 uses fun, interpretive materials to educate the public about the threat of invasive species to our local ecosystem. The exhibit, located on the TBG grounds, is accessible to both independent visitors to the Gardens, and to groups.</p> <p>Employing pop culture seen in Sci-Fi movies, literature and on movie posters, "Alien Invasion: Of the Plant Kind" illustrates and teaches how these plants are often allies, but can also be enemies or invaders that may threaten our celluloid heroes, planet, or community. Topics in the exhibit include: The science fiction of invasive plants (obvious, the world is at risk!), Alien plants in our gardens today (carnivorous plants, bizarre trees, giants, mutants and clones, etc.), The identification of the enemy and the fight to save planet Earth (not just bufflegrass).</p> <p>Feedback has indicated the exhibit's unique approach toward education has successfully created many 'new environmentalists.' We are now requesting funds to extend the reach of this popular exhibit to support those actively engaged in eradication of invasive species.</p> <p>Funding will allow us to complement the training offered by organizations such as Tucson Clean and Beautiful and other members of the Southern Arizona Buffelgrass Coordination Center by providing free, interpreter led exhibit tours to their groups. These tours will be specially developed to help recruit and train the public in active eradication. Additionally, we will work with these local eradication organizations to develop new and supplemental outreach training programs utilizing our exhibit educational materials.</p> <p>We will also support eradication efforts by developing and incorporating special training about invasive species into our Urban Forestry Certificate Program curriculum, including information about the integrated weed management approach. Our urban forester cadre will also be required to participate in eradication efforts as part of their training.</p>
	<p>Briefly describe the qualifications of the person(s) managing this project. 500 characters</p> <p>Ashley Pederson, the Gardens' Director of Education, will manage this project. Ms. Pederson holds a B.A. degree in Environmental Studies and worked with a variety of different environmental education programs for the Udall Foundation prior to coming to the Gardens. She currently manages the educational programming with our Alien Plants exhibit and oversees the Gardens' Urban Forestry Certificate Program.</p>

7	<p style="text-align: center;">Project Goals and Objectives All information for the project should fit into the allotted character space provided below. Addendum may be submitted if more space is needed.</p>
	<p>Provide a brief description of how this project meets the grant objectives and goals. 1500 characters</p> <p>While many local agencies provide quality educational and hands-on opportunities for the public to learn about and eradicate noxious and invasive species, Alien Invasion seeks to reach a new and different audience—those who normally don't consider themselves environmentalists.</p> <p>The Gardens post-exhibit comments indicated that prior to viewing the exhibit, visitors had little or no interest in learning about invasive plant species. After touring the exhibit, visitors were better able to identify invasive plant species, understood the dangers, were surprised at the global effect of invasive plant species, and were willing to become active participants</p> <p>This project will extend the exhibit's educational potential to support the efforts of local organizations involved in weed eradication by: 1) offering 20 free tours to volunteers from Tucson Clean and Beautiful and other local eradication focused groups; 2) working with local eradication groups to develop outreach trainings; 3) developing a component on invasive plants for the Gardens' urban forestry certificate program, which will include weed eradication participation by the urban forestry students. Information about integrated weed management practices will be incorporated into the tours and information provided.</p>

8	<p style="text-align: center;">Scope of Work / Project Timeline All information for the project should fit into the allotted character space provided below. Addendum may be submitted if more space is needed.</p>
	<p>Provide a brief scope of work which clearly describes how grant funds will be spent: Types of treatments proposed, invasive/noxious plant of concern and any information and education activities. (This should be more specific than the project description) 1500 characters</p> <p>This project will extend the exhibit's educational potential to support the efforts of local organizations involved in weed eradication by: 1) offering 20 free tours to volunteers from Tucson Clean & Beautiful and other local eradication focused groups; 2) working with local eradication groups to develop and enhance outreach trainings for youth (such as the Tucson Clean & Beautiful's new "Buffel Busters"; 3) developing a component on invasive plants for the Gardens' urban forestry certificate program, which will include weed eradication participation . Information about integrated weed management practices will be incorporated into the tours and into the Gardens' Signature Classes which target new residents of Tucson and Pima county.</p> <p>Funds will be used to:</p> <ul style="list-style-type: none"> --extend the work of our Director of Education and the Alien Plants' exhibit interpreter to include the development of new curricula in support of eradication organization goals and activities --underwrite free tours to volunteers and staff of local eradication groups --develop new curricula on invasive plants for the Gardens' urban forestry program and provide honoraria for special speakers for the 2015 training program --revise the Gardens' Signature Classes for the public to include information on invasive plants and how to become involved in their control.
	<p>Provide a timeline for the project. 1000 characters</p> <p>Fall 2014-- Outreach to local organizations to identify training needs and consider new curricula for tours and trainings.</p> <p>Winter 2014-- Tours begin and run through September 2015; New outreach trainings developed Preparation/Inclusion of new materials in Urban Forestry curriculum</p> <p>Spring 2015-- Urban Forestry classes participate in community service project on buffelgrass removal Preparation/Inclusion of new materials in the Gardens' Signature Classes. New community trainings implemented.</p> <p>Summer 2015-- Tours continue; Evaluation of future programming needs.</p>

Collaborative Elements and Partners

All information for the project should fit into the allotted character space provided below.
Addendum may be submitted if more space is needed.

- 9 **Specify the CWMA, private, local, tribal, county, state, federal, and non-governmental 501(c) 3 organizations that will contribute to or participate in the completion of this project. Describe briefly the contributions each partner will make (i.e. – donating time/equipment, funding, etc.).** **2000 characters**

The Gardens will partner with Tucson Clean and Beautiful staff to integrate the exhibit and its learning contents with TCB's new youth-oriented buffelgrass awareness program, "Buffel Busters." We will also work with The Southern Arizona Buffelgrass Coordination Center staff to identify and develop trainings that address the learning/service needs of adults. Partners will also include those we currently work with in our Urban Forestry Certificate Program, including the City Landscape department of the City of Tucson, Pima County Parks and Recreation, and others. Staff from these organizations will provide advice and networking for the development of new programming and consult with regard to eradication service opportunities for our Urban Forestry students.

Project Longevity / Maintenance

All information for the project should fit into the allotted character space provided below.
Addendum may be submitted if more space is needed.

- 10 **Clearly demonstrate how this project will remain effective over time.** **2000 characters**
- The trainings/classes that are developed through this project will become permanent components of the Gardens' Urban Forestry Certificate Program and our Signature Classes for adults. The Gardens is committed to maintaining continued relationships forged with community eradication groups that develop as a result of this project. It is the Gardens' long term plan to travel all or pieces of the exhibits to other botanical gardens, and the information about using the exhibit to help recruit and train volunteers for eradication organizations will travel along with the contents of the exhibit. (The following organizations have expressed interest in hosting this exhibit: Lauritzen Gardens: Omaha's Botanical Gardens, the Arizona Sonoran Desert Museum and Kokoro Exhibits.)