Infraspecific Taxon: Lantana camara UF-1013A-2A		
Resident Species: Lantana camara		
Requestor Name and Affiliation: Zhanao Deng, Environ Hort., GCREC, UF		
ITP Completed by: Deah Lieurance		
Date ITP started: 8/8/2016	Date ITP completed: 8/8/2016	

INSTRUCTIONS

Either check appropriate response or enter it in the designated space. Attach additional sheets with evidence as necessary using appropriate section numbers.

SUMMARY OF ITP RESULTS		
☐ Use Status Assessment		
 ☐ Resident Species ☐ List independently of resident species ☐ Compare conclusions to resident species and use the most precautionary conclusions from the two assessments 		
Use Predictive Tool		
Infraspecific Taxon Conclusions		
North: Not a problem infraspecific taxon; may be recommended		
Central: Not a problem infraspecific taxon; may be recommended		
South: Not a problem infraspecific taxon; may be recommended		
Resident Species Conclusions (from Status Assessment)		
North: Invasive, not recommended		
Central: Invasive, not recommended		
South: Invasive, not recommended		

Note1: If the infraspecific taxon cannot be distinguished in the field from the resident species but it escapes and turns out to be more invasive than the resident species, it is assumed that the Conclusions for the resident species will become more precautionary over time as invasions of the infraspecific taxon are documented as new sites and impacts of the resident species. Because they must match those of the resident species, the Conclusions for the infraspecific taxon will also become more precautionary.

Note2: If the Conclusion is "Use of a predictive tool is recommended" then apply the predictive tool separately to the infraspecific taxon if possible. However, if this is not possible, apply the outcome of the predictive tool from the resident species to the infraspecific taxon.

Section 1

(Only applies to infraspecific taxa that can be distinguished in the field from the resident species.)			
1.1.	Will botanists / field personnel typically be able to easily distinguish the infraspecific taxon from the resident species or other infraspecific taxa? If no experts are given by requestor, select NO.		
		YES	Provide information below, then Go to question 1.2
	✓	NO	Go to question 1.3
Comn	nents:	Althoug	h the requestor has supplied contact information and supporting evidence that states this
cultiv	ar can l	e easily	distinguished from the resident species and other infraspecific taxa, we presume that a land
stewa	rd (e.g.	field per	rsonnel/land manager) would have difficulty distinguishing this cultivar from other cultivars
in the	field w	ith simil	ar characteristics. This would be especially difficult when the plants are not flowering.
1.2.	Is there evidence that the infraspecific taxon is likely to regress, revert, or produce hybrids that would revert to the characteristics of the resident species? (If there is no evidence, the answer is NO.)		
		YES	Provide information below; Use the Status Assessment and so indicate on Page 1. For each zone, compare these conclusions to those of the resident species and use the most precautionary conclusions from these two assessments for the infraspecific taxon.
		NO	Use the Status Assessment and select List independently of the resident Species on Page 1.
Comme	nts:		
1.3.	Has	the resid	lent species been assessed?
	✓	YES	Go to question 1.4
		NO	Evaluate the resident species with the Status Assessment and indicate so on Page 1, then Go to question 1.4

1.4.	Is the conclusion for the previously assessed, resident species "Not a problem species; may be recommended" or "Use of a predictive tool is recommended" for all three zones?		
		YES	Go to question 1.5
	✓	NO	Go to Section 2, question 2.1
1.5.	Has the infraspecific taxon been in Florida (or in the U.S. if Florida data are not available) for > 10 years for herbaceous species or > 20 years for woody plants (if there is no evidence, then the answer is NO)?		
		YES	Highlight attached distribution records that show presence in Florida before 10 or 20 years ago and enter a conclusion for infraspecific taxon on Page 1 of same per zone as the resident species
		NO	Go to question 1.6
1.6.			us characteristics of the infraspecific taxon that make it likely to spread more quickly ecological impacts than the resident species?
			Provide evidence below; Use Predictive Tool and indicate
	Examp		So on Page 1 YES answer include:
	 Infraspecific taxon produces many more fruit/viable seeds than resident species. Infraspecific taxon hybridizes with Federal or Florida-listed Species of Special Concern, Threatened or Endangered plants or commercially-important species. 		
	•		aspecific taxon has been documented to be a problem elsewhere but the resident ites has not been.
			Enter a conclusion for infraspecific taxon on Page 1 of same per zone as the resident species
Comm	ients:		

Section 2

(Only applies to infraspecific taxa that **cannot** be distinguished in the field from the resident species and for which the previously assessed resident species has a conclusion of "Caution; manage to prevent escape" or "Invasive; not recommended" for at least one zone).

2.1.	would revert to the characteristics of the resident species (if there is no evidence, the ans NO)?		
		YES	Provide evidence below, enter a conclusion for infraspecific taxon on Page 1 of same per zone as the resident species
	✓	NO	Go to question 2.2
Comm	ents: <u>T</u>	his is a t	riploid cultivar and has high levels of male and female sterility (>85% reduction in pollen
stainal	oility)Th	ese new	triploid cultivars did not cause fruit set or produce viable progeny when used as a male or
female	parent	in hand-	pollination with L. depressa. Fruit production of these triploids has been reduced by greater
99% a	nd typic	ally they	did not produce viable seeds. The male and female sterility was stable when evaluated
in Balı	n and F	t. Pierce.	
2.2.	the res specie Consid	sident sp s that th der seed	nce that the combined characteristics that differ between the infraspecific taxon and becies will result in such <u>decreased</u> dispersal and spread compared to the resident the infraspecific taxon would be unlikely to become abundant in natural areas? For vegetative propagules, spores, vegetative growth, etc. and the mechanism(s) by dent species has likely spread (including landscape waste material). Provide evidence below then Go to question 2.3
		NO	Go to question 2.4
Comm	ents: <u>U</u>	JF-1013 <i>A</i>	A-2A displays moderate vigor, mounding growth habit, round form. Extremely low or no
fruit se	et and pl	ants pro	duce pollen that are misshaped, aborted; much fewer pollen grains; the great majority of
pollen	grains c	lo not sta	nin or stain very lightly.
The re	sident ta	axa is a v	rigorous shrub that can grow up to 2-4m in height and produce abundant amounts of fruit
year-ro	ound wi	th adequa	ate environmental conditions.

2.3.	hybridization with natives or commercially important species, or another characteristic of pest/pathogen) that allows negative impacts in natural areas despite no or low spreacharacteristic is present in the infraspecific taxon?		
		YES	Go to Section 3, question 3.1
	✓	NO	Provide evidence below then enter a conclusion of "Not a problem infraspecific taxon; may be recommended"
Comm	ents (If	f NO, pr	rovide evidence by listing the characteristics identified in questions 2.2 and 2.3):
<u>UF-10</u>	13A-2 <i>A</i>	A produce	es essentially no fruit on seed heads and aborted/misshapened pollen grains.
Fruit _J	oroducti	ion of the	ese triploids has been reduced by greater than 99% and typically they
did no	t produc	e viable	seeds. Conversely, the resident species produces abundant fruit year-round (when
enviro	nmental	l condition	ons are adequate), are dispersed by birds with a germination rate approximating 64%.
The re	sident L	antana c	camara is highly male fertile and can hybridize with native L. depressa.
2.4.	the respected natural species	sident spes that that areas areas cause es), then	nce that the combined characteristics that differ between the infraspecific taxon and pecies will result in such <u>decreased</u> ecological impacts compared to the resident ne infraspecific taxon would be unlikely to have negative ecological impacts in in any zones? If there is insufficient information about which traits in the resident ecological impacts (see the IFAS Assessment of ecological impacts for the resident answer NO.
		YES	Provide evidence below, then enter a conclusion of "Caution; may be recommended but manage to prevent escape"
		NO	Go to Section 3, question 3.1
Comm	ents: _		

Section 3

3.1.	Does the infraspecific taxon have any characteristics that would shift its response per zone (e.g., changed tolerance to temperature)?		
		YES	Provide evidence below then Go to question 3.2
		NO	Enter a conclusion for infraspecific taxon on Page 1 of same per zone as the resident species
Comr	nents: _		
3.2.	Does the shift in response per zone make the infraspecific taxon <u>more</u> likely to survive and cause ecological impacts in zones in which the resident species does not survive?		
		YES	Evaluate in which additional zones the infraspecific taxon would be able to survive compared to the resident species. For these zones, give the infraspecific taxon the most precautionary conclusion that was assigned to any zone of the resident species. For all other zones, the conclusions for the infraspecific taxon must be the same as for the resident species.
		NO	Evaluate in which zones the infraspecific taxon would not be able to survive compared to the resident species. For those zones, the conclusion can be "Caution; manage to prevent escape". For all other zones, the conclusions for the infraspecific taxon must be the same as for the resident species.

COMMENTS