	Ohio Invasive Plant Assessment Protocol						
	Botanical Name:	Eleutherococcus sieboldianus (Syno	nj				
	Common Name:	Five-leaflet aralia, Aralia Araliaceae	Step I Outcome:	Continue 15	Score	Notes	References
	Family Name: Posted Date:	7/20/16	Step II Score: Step II Outcome:	Not Known to be Invasive	Score	Notes	References
	Initial assessment cor	• •					
	Directions: Place an '	"X" in the Score column next to the sel	ected answer to each o	f the four questions.			
	1. Is this plant known to occur in the state and listed as "noxious" on any federal or Ohio Department of Agriculture plant list?		Yes. Place on invasiv	e plant list, no further investigation needed. STOP			
			No. Continue on to question 2.		X		
	2. Has this plant demonstrated widespread dispersion and establishment (i.e. high numbers of individuals forming dense stands) in natural areas across two or more regions in Ohio? ^a		Yes. Place on invasiv	e plant list, no further investigation needed. STOP			
			No. Continue on to question 3.		X		
<u> </u>		. Does this plant form self-replicating populations outsid					
te	of cultivation in Ohio and is it documented to alter the composition, structure, or normal processes or functions		No		X		
S	of a natural ecosystem?	Unknown					
	4. Is the plant listed as invasive in an adjoining state or a nearby state east of the Mississippi within the USDA Plan		Yes				
			: No		X		
	Hardiness zones 5-6?	b,c	Unknown				
			•	list and no further research is needed. Stop here. If the answer is no fi s warranted. Otherwise, proceed to Step II.	or		
			Step II: Invasion St				
	Directions: Place the 1. Current Invasion in		n the Score column nex	at to the selected answer to each of these 18 questions.			
		in natural areas (0 pts.)					
	- plant is found in natural areas but only because it persist from previous			ng in that location (e.g. old home sites) (0 pts.)			
		nding from sites of previous planting (tural areas away from site of planting	• •		1		1,2,5
	- Information unkn	-	(5 pt5.)				
	2. State Distribution ^a						
		lized in any region of Ohio (0 pts.)					
	- plant is naturalized	d in only one region in Ohio (1 pt.)					
		d in two regions in Ohio (2 pts.) d in three regions in Ohio (3 pts.)			2	Regions 3 and 5	1,2,5
	•	d in four regions in Ohio (4 pts.)			2	Negions 3 and 3	1,2,3
	 plant is naturalized Information unkno 	d in five regions in Ohio (5 pts.) own (U)					
	3. Regional/US Distribution						

	Ohio I	nvasive Plant Asses	sment Protocol			
Botanical Name:	Eleutherococcus sieboldianus	s (Synon)				
Common Name:	Five-leaflet aralia, Aralia	Step I Outcome:	Continue			
Family Name:	Araliaceae	Step II Score:	15	Score	Notes	Reference
Posted Date:	7/20/16	Step II Outcome:	Not Known to be Invasive			
Initial assessment c	conducted by: Ilana and Yulia	Vinnik				
· ·	idered to be a problem in any oth					
•			state within the USDA Plant Hardiness Zones 5-6 (1	pt.)	4: "Has been noted as an	
· ·	eported to be a widespread probl	, ,	• •		escape in Massachusetts,	
•	eported to be a widespread probl	, ,		1	Connecticut, and Pennsylvania."	4,9
	eported to be a widespread probl	lem in similar habitat outside	the US (1 pt.)		9=> considered as invasive plant	
 Information unk 	known (U)				in New Jersey	
		Step II: Biological Ch	proctors			
4. Vegetative Repro	oduction	Step II. Biological Cil	aracters			
	production (0 pts.)					
-	lily within the original site (1 pt.)				7: It is capable of forming new	
·	preading rhizomes that root easily	y (3 pts.)		2	roots when branches touch the	7
- fragments easily	and fragments can be easily disp	ersed (4 pts.)		3	ground. The roots can then	/
- has runners or sp	preading rhizomes that root easily	y AND fragments easily and t	ragments can be easily dispersed (5 pts.)		form new stems.	
- Information unk	nown (U)					
5. Sexual Reproduc	rtion.					
- no sexual reproduc						
	al reproduction (1 pt.)				8: Dioecious and flowers are not	
	reproduction, but high variation a	among vears in seed product	on (3 pts.)	1	usually fertilized (due to	8
•	reproduction (one or more events		(- F)		clones).	
- Information unk		. , , , ,			,	
C. Normala ar af Machi	la Canda au Duanaau laa wan Dlaut					
- few (0-10) (1 pt.	le Seeds or Propagules per Plant					
- moderate (11-1,					Fruits in clusters, producing	
- prolific (>1,000)				3	small black berries; each berry	7
- Information unk					contains 2 to 5 seeds.	
7. Flamming Davids	ı					
 7. Flowering Period - one month or les 						
- two months (1 p						
- three to five mo	•			1	May to June	6,7
- longer than five					,	-,-
- Information unk						
8. Dispersal Ability						
	r long-distance seed/propagule di	ispersal (>1km) (0 pts.)				
•	al for long-distance seed/propagu	' ' ' ' '			No evidence (but possibly bird-	
	or long-distance seed/propagule d			U	dispersed)	
- Information unk		,			· · ·	
9. Generation Time						
	: riod (>5 or more years for trees, 3	or more years for other gro	wth forms) (0 pts.)			
	•		/\= p-=:/	U	No evidence	
 short juvenile pe 	eriod (<5 years for trees, <3 years	for other forms) (3 pts.)		U	INO EVIDENCE	

	Ohio	Invasive Plant Asses	sment Protocol			
Botanical Name: Common Name: Family Name: Posted Date: Initial assessment o	Eleutherococcus sieboldianu Five-leaflet aralia, Aralia Araliaceae 7/20/16	s (Synon) Step Outcome: Step Score: Step Outcome:	Continue 15 Not Known to be Invasive	Score	Notes	References
- can only colonize - aggressively colo	natural areas (0 pts.) e certain habitat stages (e.g. ear inizes and establishes in edge ha nizes and establishes in intact a nown (U)	bitats (3 pts.)		1	6: "Extremely adaptable shrub that will grow well in a wide range of soils in full sun to shade conditions. Good tolerance for drought, poor soils, urban pollution and shearing." 7=>used in urban sites, where conditions do not allow other plants to grow.	6,7
		Step II: Ecological Imp	portance			
- moderate effects	on ecosystem-level processes (Coson ecosystem-level processes (Coson ecosystem-level processes (Coson ecosystem)	e.g., changes in nutrient cycli	ng)(3 pts.) regime of an area, changing hydrology of wetlands) (6 pts.)	0	No evidence	
	Organisms ve impact on Ohio State-listed o tts listed species, such as throug			0	No evidence	
	re Animals ve impact on animals (0 pts.) ect or indirect negative effects o	n animal taxa (3 pts.)		0	No evidence	
- negatively impac	re Plants ve effects on native plants (0 pt tts some native plants (increasin lants to such an extent that com	g their mortality and/or recru		0	7: Can quickly displace native plants; can hinder the growth of native trees and shrubs (but this is just a generic statement with no empirical evidence).	7
- can hybridize wit	ces of hybridization with other p th native Ohio plants or commer th native Ohio plants or commer	cially-available species, but se	` • ,	0	No evidence	
- typically forms si - is a dominant pla	sity nall, sporadic populations or ind mall, monospecific patches (3 pt ant in area where population occue, monospecific stand (absolut	s.) curs (absolute cover 15-50%) (4 pts.)	1	Occur in clusters.	7
	on in Natural Areas rmation is unknown (0 pts.)					

Ohio Invasive Plant Assessment Protocol

Botanical Name: Eleutherococcus sieboldianus (Synon)

Common Name: Five-leaflet aralia, Aralia Step I Outcome: **Continue**

Family Name: Araliaceae Step II Score: 15 Score Notes

Posted Date: 7/20/16 Step II Outcome: Not Known to be Invasive

Initial assessment conducted by: Ilana and Yulia Vinnik

- is an early successional species that temporarily invades a disturbed site but does not persist as the site matures (0 pts.)

- readily invades disturbed sites and persists, but does not interfere with succession (1 pt.)

- readily invades disturbed sites, persists and interferes with succession of native plants (4 pts.)

18. Number of Habitats Invaded

Forestlands: Floodplain forest, hemlock-hardwood forest, mixed mesophytic forest, beech-maple forest, oak-maple forest, oak-hickory forest.

<u>Grasslands</u>: Alvar*, beach-dune community*, bur oak savanna*, slough-grass-bluejoint prairie*, sand barren*, big bluestem prairie, little bluestem prairie (xeric limestone prairie*+), post oak opening*+

<u>Wetlands:</u> Bog*, fen*, twigrush-wiregrass wet prairie*, marsh, buttonbush swamp, mixed shrub swamp, hemlock-hardwood swamp*, maple-ash-oak swamp, white pine-red maple swamp*

* Considered a rare plant community in Ohio by ODW's Biodiversity Database Program.

+ = xeric limestone prairies or cedar glades and post oak openings are unique to the Interior Low Plateau Region of Adams, Highland and Pike counties, and are not included in Schneider and Cochrane (1997).

- not found in any natural habitats in Ohio (0 pts.)
- only found in 1 broad category (1 pt.)
- found in 2 broad categories or 2 rare habitat types (3 pts.)
- found in 3 broad categories or 3 rare habitat types (4 pts.)
- found in 4 or more rare habitat types (5 pts.)

6: Naturalize in woodland areas.
7: This plant is most likely found in open forests and forest

No evidence

6,7

References

edges.

0

Total Score: 15
Number of Unknowns: 2

Outcome: Not Known to be Invasive

Total Points	Assessment Decision
4 or more U	Insufficient Data
0-34 35-44 45-80	Not Known to be Invasive
35-44	Pending Further Review
45-80	Invasive