												Utiliz	e pl	neno	logy	for	cor	itrol
Таха	Scientific Name	Common Name	Species Code	NJISST APP Category	NJISST Search Grouping	NJISST Species Status	Current Abundance / Distribution Code	Number of Detections	NJISST Threat Code	ED/RR Action Code	Commercial Availability	January February	_	May		ust ember	ber	mber
bird	Cygnus olor	mute swan	CYOL1	bird	Freshwater	NJISST Target	Stage 2	3	High	1	No			Ħ	Ť	ìï	Ť	ŦŦ.
bird	Carpodacus mexicanus	house finch	CAME1	bird	Terrestrial	Widespread	Widespread	0	Mild	None	No	П	+	Ħ	П	#	Ħ	н
bird	Molothrus ater	brown-headed cowbird	MOAT1	bird	Terrestrial	Widespread	Widespread	0	High	None	No	+	+	Ħ	H	4	H	_
bird	Passer domesticus	house sparrow	PADO1	bird	Terrestrial	Widespread	Widespread	1	Mild	None	No	+	+	Ħ	H	4	H	_
bird	Sturnus vulgaris	European starling	STVU1	bird	Terrestrial	Widespread	Widespread	0	Moderate	None	No	Н	+	Ħ	H	#	H	
crustacean	Eriocheir sinensis	Chinese mitten crab	ERSI1	wildlife	Marine	Widespread	Widespread	0	High	None	No	H	+	Ħ	H	#	H	
crustacean	Hemigrapsus sanguineus	Asian shore crab	HESA1	wildlife	Marine	Widespread	Widespread	0	High	None	No	4	+	Ħ	H	#	H	
fish	Piaractus brachypomus	red-bellied pacu	PIBR1	wildlife	Freshwater	NJISST Target	Stage 0	0	Moderate	1	Yes	+H	+	H	H	#	H	
11511	Flaracius brachyponius	red-bellied pacu	FIDITI	wildlife	riesiiwalei	NJISST Target	Stage 0	U	Woderate	'	162	+H	+	H	H	#	H	
fin h	I han a mhath a leasi a hatha a na a dùtan a	aily an agen	HYMO1	مانا ماناه	Frankwater	N IICCT Toward	Ctoro O	_	Llimb	4	Na							
fish	Hypophthalmichthys motitnx	silver carp	HINOI	wildlife	Freshwater	NJISST Target	Stage 0	0	High	1	No	ш	+	H	$oldsymbol{H}$	4	H	_
fish	Hypophthalmichthys nobilis	bighead carp	HYNO1	wildlife	Freshwater	NJISST Target	Stage 0	1	High	1	No							
fish	Pterois volitans	lionfish	PTVO1	wildlife	Marine	NJISST Target	Stage 0	0	High	1	Yes			П	П		П	
						Ŭ	Ŭ							П	П		П	
fish	Monopterus albus	Asian swamp eel	MOAL1	wildlife	Freshwater	NJISST Target	Stage 1	1	High	1	No							
						3					-		1	Ħ	П		П	
fish	Ctenopharyngodon idella	grass carp	CTID1	wildlife	Freshwater	NJISST Target	Stage 2	0	High	1	No							
	etonopharyngouen ruena	grado da.p	01.5.	Wilding		rioreer ranger	Olago 2		g				+	Ħ	\blacksquare	#	Ħ	_
fish	Culaea inconstans	brook stickleback	CUIN1	wildlife	Freshwater	NJISST Target	Stage 2	0	High	2	No							
11311	Culaea inconstans	DIOOK Stickleback	CONT	Wilding	1 1631Water	1401001 Target	Otage 2	0	riigii		140	H	+	Ħ	H	#	H	-
fish	Lepomis gulosus	warmouth	LEGU1	wildlife	Freshwater	NJISST Target	Stage 2	0	High	2	No							
11511	Lepornis guiosus	waiiiioutii	LLGUI	wildille	i iesiiwatei	NJIJJJ Target	Stage 2	0	riigii		INO	HH	+	H	H	#	H	_
fich	Micaurous anguillicoudatus	ariantal weatherfish	MIAN1	wildlife	Eroobwoter	N IICCT Torget	Stone 2	_	Lliah	2	No							
fish	Misgurnus anguillicaudatus	oriental weatherfish	IVIIAINI	wildlife	Freshwater	NJISST Target	Stage 2	0	High		No	\blacksquare	+	₩	$oldsymbol{H}$	4	₩	_
e 1	B. F. F. F. C.	5 4 4 5	D)/(0) /			NUMBER TO	0. 0											
fish	Pylodictis olivaris	flathead catfish	PYOL1	wildlife	Freshwater	NJISST Target	Stage 3	0	High	2	No	ш	4	#	41	_	₩	4
			. = =				l	_										
fish	Lepomis cyanellus	green sunfish	LECY1	wildlife	Freshwater	NJISST Target	Widespread	0	High	None	No	ш	4	ш	ш	4	ш	
fish	Cyprinus carpio	common carp	CYCA1	wildlife	Freshwater	Widespread	Widespread	0	High	None	Yes	ш	4	ш	ш	4	ш	
fish	Channa argus	Northern snakehead	CHAR1	wildlife	Freshwater	Widespread	Widespread	0	High	2	No	ш	4	ш	ш	4	ш	
insect	Agrilus sulcicollis	European oak-boring beetle	AGSU1	insect	Terrestrial	NJISST Target	Stage 0	0	High	1	No			ш	Ш	4	ш	
insect	Anoplophora glabripennis	Asian longhorned beetle	ANGL1	insect	Terrestrial	NJISST Target	Stage 0	0	High	1	No							
insect	Aradus cinnamomeus	pine flat bug	ARCI1	insect	Terrestrial	NJISST Target	Stage 0	0	High	1	No							
insect	Lymantria dispar asiatica	Asian gypsy moth	LYDI2	insect	Terrestrial	NJISST Target	Stage 0	0	High	1	No			П	П		П	
insect	Lymantria monacha	nun moth	LYMO1	insect	Terrestrial	NJISST Target	Stage 0	0	High	1	No			П	П		П	
insect	Scolytus intricatus	European oak bark beetle	SCIN1	insect	Terrestrial	NJISST Target	Stage 0	0	High	1	No			П	П		П	
insect	Sirex noctilio	Sirex woodwasp	SINO1	insect	Terrestrial	NJISST Target	Stage 0	0	Moderate	1	No			П	П		П	
insect	Solenopsis invicta	red imported fire ant	SOIN1	insect	Terrestrial	NJISST Target	Stage 0	0	High	1	No			П	П		П	
insect	Tetropium fuscum	brown spruce longhorn beetle	TEFU2	insect	Terrestrial	NJISST Target	Stage 0	0	Moderate	1	No			П	П		П	
insect	Xylosandrus crassiusculus	granulate ambrosia beetle	XYCR1	insect	Terrestrial	NJISST Target	Stage 0	0	Mild	1	No			П	П		П	
insect	Xylosandrus mutilatus	camphor shot borer	XYMU1	insect	Terrestrial	NJISST Target	Stage 0	0	Moderate	1	No		1	Ħ	П		П	_
insect	Lycorma delicatula	Spotted lanternfly	LYDE1	insect	Terrestrial	NJISST Target	Stage 1	0	High	1	No	H	+	Ħ	$\boldsymbol{ o}$	7	Ħ	_
insect	Tomicus piniperda	larger pine shoot beetle	TOPI1	insect	Terrestrial	NJISST Target	Stage 2	0	Moderate	1	No		+	Ħ	\blacksquare	#	Ħ	_
insect	Agrilus planipennis	emerald ash borer	AGPL1	insect	Terrestrial	NJISST Target	Stage 3	0	High	1	No		+	Ħ	+	#	Ħ	-
mocot	Agrido piariiperiilo	Cinerala don borer	/(OI EI	mocot	Torrootrial	1101001 Target	Olage 0		riigii		140		+	Ħ	H	4	H	_
insect	Lilioceris lilii	lily leaf beetles	LILI2	insect	Terrestrial	NJISST Watch	Stage 0	N/A	Moderate	None	No							
IIISECI	LINOCETIS IIIII	illy lear beetles	LILIZ	1113601	Terrestriai	NJIJJJ Walcii	Stage 0	IN/A	Woderate	NOHE	INO	HH	+	H	H	H	H	_
innest	Dh. dam. wa a was asta wa	Allium land minor	DUCVA	:	Tavaatrial	N IICCT Watch	Ctoro O	NI/A	Madazata	None	Na							
insect	Phytomyza gymnostoma	Allium leaf miner	PHGY1	insect	Terrestrial	NJISST Watch	Stage 0	N/A	Moderate	None	No	Ш	-	-	H		H	
insect	Pyrrhalta viburni	Viburnum leaf beetle	PYVI1	insect	Terrestrial	Widespread	Widespread	30	High	None	No	ш	4	#	41	_	₩	4
insect	Adelges tsugae	hemlock woolly adelgid	ADTS1	insect	Terrestrial	Widespread	Widespread	0	High	None	No	ш	4	4	ш		41	
insect	Aedes albopictus	Asian tiger mosquito	AEAL1	insect	Terrestrial	Widespread	Widespread	0	Moderate	None	No	ш	4	4	H		ш	
insect	Lymatria dispar dispar	European gypsy moth	LYDI1	insect	Terrestrial	Widespread	Widespread	0	Moderate	None	No	ш	4	44	ш		ш	
				1														
invertebrate	Bipalium adventitium	Asian planarian species	BIAD1	insect	Terrestrial	NJISST Watch	Stage 0	1	Moderate	N/A	No			Ш				
invertebrate	Amynthas agrestis	crazy worms	AMAG1	invertebrate	Forest	NJISST Target	Stage 0	0	High	1	Yes							
invertebrate	Gonionemus vertens	clinging jellyfish	GOVE1	invertebrate	Marine	NJISST Target	Stage 0	0	Moderate	1	No						П	
invertebrate	Orconectes virilis	virile crayfish	ORVI1	invertebrate	Freshwater	NJISST Target	Stage 1	0	Moderate	1	No						П	
invertebrate	Orconectes obscurus	Allegheny crayfish	OROB1	invertebrate	Freshwater	NJISST Target	Stage 2	0	Moderate	1	No				П		П	
invertebrate	Procambarus clarkii	red swamp crawfish	PRCL1	invertebrate	Freshwater	NJISST Target	Stage 3	0	Moderate	2	No	Ш			П		П	

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Таха	Scientific Name	Common Name	Species Code	NJISST APP Category	NJISST Search Grouping	NJISST Species Status	Current Abundance / Distribution Code	Number of Detections	NJISST Threat Code	ED/RR Action Code	Commercial Availability	ary ıary	,			st ember	November December
											•		П		П		
invertebrate	Haemaphysalis longicornis	East Asian Tick	HALO1	invertebrate	Terrestrial	NJISST Watch	Stage 0	0	Moderate	N/A	No	Ш	Ц	44	ш	41	ш
invertebrate	Aporrectodea limicola	earthworm (Lumbricidae)	APLI1	Not Included	Terrestrial	Widespread	Widespread	0	High	None	No	H	H	41	#	41	411
invertebrate	Dendrobaena octaedra	earthworm (Lumbricidae)	DEOC1 EIRO1	Not Included Not Included	Terrestrial	Widespread	Widespread	0	High	None None	No No	Н	H	+	₩	++	411
invertebrate invertebrate	Eisenia rosea Lumbricus rubellus	earthworm (Lumbricidae) earthworm (Lumbricidae)	LURU1	Not Included	Terrestrial Terrestrial	Widespread Widespread	Widespread Widespread	0	High High	None	Yes	HH	H	+	+	++	+
invertebrate	Lumbricus terrestris	earthworm (Lumbricidae)	LUTE1	Not Included	Terrestrial	Widespread	Widespread	0	High	None	Yes	HH	H	Ħ	Ħ	+	11
invertebrate	Orconectes rusticus	rusty crayfish	ORRU1	wildlife	Freshwater	Widespread	Widespread	0	High	None	Yes	HH	H	Ħ	Ħ	+	11
invertebrate	Carcinus maenas	European green crab	CAMA1	wildlife	Marine	Widespread	Widespread	0	Moderate	None	No	H	Ħ	\mathbf{T}	11	+	1
mammal	Myocastor coypus	nutria	MYCO1	wildlife	Terrestrial	NJISST Target	Stage 0	0	High	1	No	H	Ħ	т	П	11	T
													П	П	П	\mathbf{T}	ш
mammal	Sus scrofa	pig (feral)	SUSC1	wildlife	Terrestrial	NJISST Target	Stage 1	0	High	1	No						4 1
mammal	Felis domesticus	feral cats	FEDO1	wildlife	Terrestrial	Widespread	Widespread	0	High	None	No				П	\mathbf{T}	
mollusk	Anodontoides ferussacianus	cylindrical papershell	ANFE1	wildlife	Freshwater	NJISST Target	Stage 0	0	High	1	No		П	П	П	П	
mollusk	Cipangopaludina chinensis malleata	Chinese mystery snail	CICH1	wildlife	Freshwater	NJISST Target	Stage 0	1	Moderate	1	No						
mollusk	Dreissena bugensis	quagga mussel	DRBU1	wildlife	Freshwater	NJISST Target	Stage 0	0	High	1	No						
mollusk	Dreissena polymorpha	zebra mussel	DRPO1	wildlife	Freshwater	NJISST Target	Stage 0	0	High	1	No		ш	ш	ш	ш	4
mollusk	Potamopyrgus antipodarum	New Zealand mud snail	POAN1	wildlife	Freshwater	NJISST Target	Stage 0	0	Moderate	1	No	Ш	ш	ш	ш	ш	444
mollusk	Sinanodonta woodiana	Chinese pond mussel	SIWO1	wildlife	Freshwater	NJISST Target	Stage 0	1	High	1	No	Ш	ш	ш	ш	ш	444
mollusk	Corbicula fulminea	Asian clam	COFU1	wildlife	Freshwater	Widespread	Widespread	0	High	None	No	ш	ш	ш	41	ш	44
mollusk	Utterbackia imbecillis	Paper pondshell	UTIM1	wildlife	Freshwater	Widespread	Widespread	0	High	None	No	ш	ш	ш	41	ш	44
mollusk	Littorina littorea	European periwinkle	LILI1	wildlife	Marine	Widespread	Widespread	0	High	None	No	Ш	Н	44	41	44	44
mollusk	Rangia cuneata	Wedge rangia	RACU1	wildlife	Marine	Widespread	Widespread	0	High	None	No	ш	Н	44	41	44	411
mollusk	Cepaea nemoralis	Brown-lipped snail	CENE1	wildlife	Terrestrial	Widespread	Widespread	0	Moderate	None	No	Н	H	#	-	4	411
mollusk	Limax maximus	Leopard slug	LIMA1	wildlife animal	Terrestrial	Widespread	Widespread	0	High	None	No	Н	H	#	-	4	411
pathogen	Batrachochytrium dendrobatidis	chytrid pathogen of frogs	BADE1	pathogen	Terrestrial	NJISST Watch	Stage 0	0	High	N/A	No		Ш	П	Ш	Ш	Ш
pathogen	Batrachochytrium salamandrivorans	chytrid pathogen of salamanders	BASA1	animal pathogen	Terrestrial	NJISST Watch	Stage 0	0	High	N/A	No	Ш	Ц	Ш	Ш	Ш	Ш
pathogen	Ophidiomyces ophiodiicola	snake fungal disease	OPOP1	animal pathogen	Terrestrial	Widespread	Widespread	0	High	N/A	No		Ш	Ш	Ш	Ш	
				animal				_									
pathogen	Pseudogymnoascus destructans	White nose syndrome	PSDE1	pathogen	Terrestrial	Widespread	Widespread	0	High	N/A	No	Ш	Н	44	41	44	444
pathogen	UNKNOWN	Beech leaf disease	XXXX1	plant pathogen	Terrestrial	NJISST Target	Stage 0	0	High	1	No	Ш	Ш	Ш	Ш	Ш	Ш
pathogen	Ceratocystis fagacearum	oak wilt	CEFA1	plant pathogen	Terrestrial	NJISST Target	Stage 0	0	High	1	No		Ш	Ш			
pathogen	Ophiostoma novo-ulmi	Dutch elm disease (novi-ulmi)	OPNU1	plant pathogen	Terrestrial	NJISST Target	Stage 0	0	High	1	No		П	П	П	П	
		, , ,		plant		Ŭ	Ü		Ŭ				П	П	П	T	
pathogen	Phytophthora cinnamomi	Phytophthora root rot	PHCI1	pathogen plant	Terrestrial	NJISST Target	Stage 0	0	High	1	No	H	H	\mathbf{H}	\mathbf{H}	\mathbf{H}	\mathbf{H}
pathogen	Phytophthora ramorum	sudden oak death	PHRA1	pathogen plant	Terrestrial	NJISST Target	Stage 0	0	Moderate	1	No	Н	Н	41	\mathbf{H}	4	
pathogen	Xylella fastidiosa	bacterial leaf scorch	XYFA1	pathogen	Terrestrial	NJISST Target	Stage 1	0	High	1	No	Ш	Ц	П	Ш	41	Ш
pathogen	Cronartium ribicola	white pine blister rust	CRRI1	plant pathogen	Terrestrial	NJISST Target	Stage 2	0	Moderate	1	No	Ш	Ц	П	Ш	Ш	Ш
pathogen	Haplosporidium nelsonii	MSX of Oysters	HANE1	plant pathogen	Marine	Widespread	Widespread	0	High	None	No		Ц	Ш	Ш	Ш	Ш
pathogen	Perkinsus marinus	Dermo disease	PEMA1	plant pathogen	Marine	Widespread	Widespread	0	High	None	No		Ц	Ш	Ш	Ш	Ш
pathogen	Cryphonectria parasitica	chestnut blight or canker	CYPA1	plant pathogen	Terrestrial	Widespread	Widespread	0	High	None	No						
nothogon	Discula destructiva	degraped anthropped	DIDE1	plant	Torrostrial	Widoonroad	Widooprosd	0	Moderate	None	No		П	H	H		
pathogen	Discula destructiva	dogwood anthracnose	DIDE1	pathogen plant	Terrestrial	Widespread	Widespread	U	Moderate	None	No	Н	H	H	H	H	Н
pathogen	Neonectria coccinea var. faginata	beech bark canker	NECO1	pathogen plant	Terrestrial	Widespread	Widespread	0	High	None	No	H	H	\mathbf{H}	H	\mathbf{H}	H
pathogen	Ophiostoma ulmi	Dutch elm disease	OPUL1	pathogen	Terrestrial	Widespread	Widespread	0	Moderate	None	No			Ш			

												Utiliz	ze pl	neno	logy	for cor	ntrol
Taxa	Scientific Name	Common Name	Species Code	NJISST APP Category	NJISST Search Grouping	NJISST Species Status	Current Abundance / Distribution Code	Number of Detections	NJISST Threat Code	ED/RR Action Code	Commercial Availability	January February	March	May	July	August September October	November December
pathogen	Sirococcus clavigignentii-juglandacearum	butternut canker	SICL1	plant pathogen	Terrestrial	Widespread	Widespread	0	Moderate	None	No						
plant	Callitriche stagnalis	European waterstarwort	CAST	aquatic plants	Open Water	NJISST Target	Stage 0	0	Moderate	1	No			Ш			
plant	Didymosphenia geminata	rock snot	DIGE	aquatic plants	Open Water	NJISST Target	Stage 0	0	High	1	No			Ш	Ц	Ш	Ш
plant	Egeria densa	Brazilian waterweed	EGDE	aquatic plants	Open Water	NJISST Target	Stage 0	0	High	1	No				Ш		Ш
plant	Eichhornia crassipes	common water hyacinth	EICR	aquatic plants	Open Water	NJISST Target	Stage 0	1	High	1	No	Ш		Ш	Ш		Ш
plant	Glossostigma cleistanthum	mudmat	GLCL	aquatic plants	Open Water	NJISST Target	Stage 0	2	Mild	1	No	Ш		Ц	Ш	Ш	
plant	Hydrocharis morsus-ranae	European frog-bit	НҮМО	aquatic plants	Open Water	NJISST Target	Stage 0	0	High	1	Yes	Ш		Ш	Ш	<u> </u>	Ш
															П		
plant	Marsilea quadrifolia	European waterclover	MAQU	aquatic plants	Open Water	NJISST Target	Stage 0	8	Mild	1	Yes	H	+	H	Ħ		Н
plant	Nitellopsus obtusa	starry stonewort	NIOB	aquatic plants	Open Water	NJISST Target	Stage 0	0	High	1	No	Н	+	H	H	H	Н
plant	Nymphoides peltata	yellow floating heart	NYPE	aquatic plants	Open Water	NJISST Target	Stage 0	0	High	1	Yes	Н	+	╫	Ħ		Н
plant	Pistia stratiotes	water lettuce	PIST	aquatic plants	Open Water	NJISST Target	Stage 0	0	Mild	1	Yes	H	+	${\sf H}$	H	P	H
plant	Stratiotes aloides	water soldier	STWA	aquatic plants	Open Water	NJISST Target	Stage 0	0	High	1	Yes	H	+	H	H		H
plant	Cabomba caroliniana	Carolina fanwort	CACA	aquatic plants	Open Water	NJISST Target	Stage 1	1	High	1	No	Н	+	╫	Ħ		Н
plant	Hydrilla verticillata	hydrilla	HYVE	aquatic plants	Open Water	NJISST Target	Stage 1	5	High	1	Yes	Ш		Ш	Ц		Ш
plant	Myriophyllum aquaticum	parrotfeather	MYAQ	aquatic plants	Open Water	NJISST Target	Stage 1	12	High	1	Yes	Ш		Ш	Ц	Ш	Ш
plant	Najas minor	brittleleaf naiad	NAMI	aquatic plants	Open Water	NJISST Target	Stage 1	0	Moderate	1	Yes	Ш		Ш	Ш		Ш
plant	Ludwigia peploides	creeping waterprimrose	LUPE	aquatic plants	Open Water	NJISST Target	Stage 2	2	High	1	Yes	Ш		Ц	Ш		Ш
plant	Myosoton aquaticum	giant chickweed	MYAU	aquatic plants	Open Water	NJISST Target	Stage 2	8	High	1	Yes	Ш			Ш		Ш
					O W-1	N HOOT Towns	010	00	I Cl.		V				Ш	П	
plant	Trapa natans	European water chestnut	TRNA	aquatic plants	Open Water Open Water	NJISST Target Widespread	Stage 3 Widespread	63	High	2 None	Yes		t	Ħ	П	Ħ	H
plant	Myriophyllum spicatum	Eurasian water-milfoil	MYSP	aquatic plants					High		Yes	Н	t	Ħ	Ħ	Ш	Н
plant	Nasturtium officinale	watercress	NAOF	aquatic plants	Open Water	Widespread	Widespread	0	High	None	Yes		\dagger	Ħ	H	H	H
plant	Potamogeton crispus	curly-leaved pondweed	POCR	aquatic plants	Open Water	Widespread	Widespread	0	High	None	Yes		\dagger	Ħ	Ħ		Н
plant	Oplismenus hirtellus	wavyleaf basketgrass	OPHI	grass	Forest Open Upland	NJISST Target	Stage 0	0	High	1	Yes	H	t	H	Ħ		H
plant	Eragrostis curvula	weeping lovegrass	ERCU	grass	Habitat Open Upland	NJISST Target	Stage 2	99	High	1	Yes	HH	t	H	Ħ		H
plant	Miscanthus sinensis	Chinese silvergrass	MISI	grass	Habitat	NJISST Target	Stage 2	154	High	1	Yes	╁┼┼	+	╁	H		H
plant	Phalaris canariensis	canarygrass	PHCA	grass	Open Wetland Habitat	NJISST Target	Stage 2	9	High	1	Yes	Ш		Ш	Ц		Ш
plant	Pennisteum alopecuriodes	black fountain grass	PEAL	grass	Open Upland Habitat	NJISST Watch	Stage 0	0	None	None	Yes	Ш		Ц	Ц	Ш	
plant	Pennisetum setaceus	black fountain grass	PESE	grass	Open Upland Habitat	NJISST Watch	Stage 0	0	None	None	Yes			Ш			

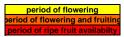
												Utili	ze p	henc	logy	for cor	ntrol
Таха	Scientific Name	Common Name	Species Code	NJISST APP Category	NJISST Search Grouping	NJISST Species Status	Current Abundance / Distribution Code	Number of Detections	NJISST Threat Code	ED/RR Action Code	Commercial Availability					August September October	e.
plant	Ripidium ravennae	hardy pampas grass	RIRA	grass	Open Upland Habitat	NJISST Watch	Stage 0	0	None	None	Yes	ΙÏ	ĪΤ	Ħ	Π		
plant	Cyperus difformis	variable flatsedge	CYDI	grass	Open Wetland Habitat	NJISST Watch	Stage 0	1	None	None	No					П	
plant	Microstegium vimineum	Japanese stiltgrass	MIVI	grass	Forest	Widespread	Widespread	30	High	None	No		Ш	Ш			
plant	Phalaris arundinacea	reed canarygrass	PHAR	grass	Open Wetland Habitat	Widespread	Widespread	1	High	None	Yes	Ц	Ц	Ц			Ш
plant	Arthraxon hispidus	small carpetgrass	ARHI	grass	Open Wetland Habitat	Widespread	Widespread	0	Moderate	None	No		Ц	Ц	Ц	Ш	Ш
plant	Phragmites australis	common reed	PHAU	grass	Open Wetland Habitat Open Upland	Widespread	Widespread	25	High	None	Yes		Ц	Ц	Ш	Щ	Ш
plant	Artemisia annua	annual wormwood	ARAN	herb/forbs	Habitat	NJISST Target	Stage 1	0	Mild	2	Yes	Ш	Ц	Ц	Ц		Ш
plant	Corydalis incisa	purple keman	COIN	herbs/forbs	Forest	NJISST Target	Stage 0	0	Moderate	1	Yes		Ц	Ц	Ш	Ш	
plant	Ambrosia psilostachya	Cuman ragweed	AMPS	herbs/forbs	Open Upland Habitat	NJISST Target	Stage 0	0	Mild	1	No						
plant	Artemisia stelleriana	oldwoman	ARST	herbs/forbs	Open Upland Habitat	NJISST Target	Stage 0	1	Moderate	1	Yes		Ц	Ц	Ц		
plant	Heracleum mantegazzianum	giant hogweed	HEMA	herbs/forbs	Open Upland Habitat	NJISST Target	Stage 0	2	Moderate	1	Yes		Ш		Ш	Ш	
plant	Lychnis flos-cuculi	ragged robin	LYFL	herbs/forbs	Open Upland Habitat	NJISST Target	Stage 0	0	Moderate	1	Yes	Ш	Ц	Ш	Ц		Ш
plant	Fallopia sachalinensis	giant knotweed	FASA	herbs/forbs	Open Wetland Habitat	NJISST Target	Stage 0	3	High	1	Yes	Ш	Ц	\coprod	Ц	Ш	Ш
plant	Persicaria orientalis	kiss me over the garden gate	PEOR	herbs/forbs	Vine	NJISST Target	Stage 0	0	Moderate	1	Yes	Ш	Ц	Щ	Щ		Ш
plant	Hosta ventricosa	blue plantain lily	HOVE	herbs/forbs	Forest Open Upland	NJISST Target	Stage 1	4	Moderate	1	Yes	H	H	Ħ	Н		
plant	Carex kobomugi	Japanese sedge	CAKO	herbs/forbs	Habitat	NJISST Target	Stage 1	1	High	1	No	H	H	╫	Ħ		H
plant	Dipsacus laciniatus	cutleaf teasel	DILA	herbs/forbs	Open Wetland Habitat	NJISST Target	Stage 1	2	Moderate	1	No		Ц	Ц			Ш
plant	Carex macrocephala	largehead sedge	CAMA	herbs/forbs	Open Upland Habitat	NJISST Target	Stage 2	29	High	1	No		Ш	Ш			
plant	Conium maculatum	poison-hemlock	COMA	herbs/forbs	Open Wetland Habitat	NJISST Target	Stage 2	11	Moderate	1	No						
plant	Perilla frutescens	beefsteakplant	PEFR	herbs/forbs	Open Wetland Habitat	NJISST Target	Stage 2	7	Mild	1	Yes						
plant	Iris pseudacorus	yellow iris	IRPS	herbs/forbs	Open Wetland Habitat	NJISST Target	Stage 3	54	High	2	Yes	Щ	Ц				Ш
plant	Anthriscus sylvestris	wild chervil	ANSY	herbs/forbs	Open Wetland Habitat	NJISST Target	Stage 3	5	Moderate	2	Yes						
plant	Scilla siberica	squill	SCSI	herbs/forbs	Forest	NJISST Watch	Stage 0	0	Mild	None	Yes						
plant	Carex flacca	blue-green sedge	CAFL	herbs/forbs	Forest	NJISST Watch	Stage 0	N/A	Moderate	None	Yes		F	F			
plant	Achyranthes japonica	Japanese chaff flower	ACJA	herbs/forbs	Forest	NJISST Watch	Stage 0	0	None	None	Yes						

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Taxa	Scientific Name	Common Name	Species Code	NJISST APP Category	NJISST Search Grouping	NJISST Species Status	Current Abundance / Distribution Code	Number of Detections	NJISST Threat Code	ED/RR Action Code	Commercial Availability						October November December
plant	Arum italicum	Italian arum	ARIT	herbs/forbs	Forest	NJISST Watch	Stage 0	0	None	None	Yes						
plant	Belamcanda chinensis	blackberry lily	BECH	herbs/forbs	Forest	NJISST Watch	Stage 0	0	None	None	Yes						
plant	Cyrtomium falcatum	Japanese net-veined holly fern	CYFA	herbs/forbs	Forest	NJISST Watch	Stage 0	0	None	None	Yes		Ш	Ш	Ш	Ш	Ш
plant	Fatoua villosa	hairy crabweed	FAVI	herbs/forbs	Forest	NJISST Watch	Stage 0	0	None	None	No	Ш	Ш	Ц	Ш	Ш	Ш
plant	Houttuynia cordata	chameleon-plant	носо	herbs/forbs	Forest	NJISST Watch	Stage 0	1	None	None	Yes	Ш	Ш	Ц	Ш		Ш
plant	Hyacinthoides hispanica	Hispanic hyacinthoides	HYHI	herbs/forbs	Forest	NJISST Watch	Stage 0	0	None	None	Yes	Ш	Ш	Ш		Ш	Ш
plant	Lamiastrum galeobdolon	yellow archangel	LAGA	herbs/forbs	Forest	NJISST Watch	Stage 0	0	None	None	Yes		Ш	Ц	U		Щ
plant	Leucojum aestivum	snowbell	LEAE	herbs/forbs	Forest	NJISST Watch	Stage 0	0	None	None	Yes	Ш	Ш	Ц		Ш	Ш
plant	Salvia glutinosa	Jupiter's distaff	SAGL	herbs/forbs	Forest	NJISST Watch	Stage 0	0	None	None	Yes		Ш	Ц	Ц		Ш
plant	Cuscuta japonica	purple stemmed dodder	CUJA	herbs/forbs	Open Upland Habitat	NJISST Watch	Stage 0	0	None	None	No	Ш	Ш	Ц	Ш	Ш	
plant	Cytisus scoparius	Scotch broom	CYSC	herbs/forbs	Open Upland Habitat	NJISST Watch	Stage 0	0	None	None	Yes	Ш	Ш	Ц	Ш		Ш
plant	Falcaria vulgaris	Sickleweed	FAVU	herbs/forbs	Open Upland Habitat	NJISST Watch	Stage 0	0	None	1	No	Ш	Ш	4	Ш		Ш
plant	Kummerowia stipulacea	Korean clover	KUST	herbs/forbs	Open Upland Habitat	NJISST Watch	Stage 0	0	Low	None	Yes	Ш	Ш	Ц	Ш		Ш
plant	Oenanthe javanica	Java dropwort	OEJA	herbs/forbs	Open Water	NJISST Watch	Stage 0	0	None	None	Yes	Ш	Ш	4	Ш		Ш
-11	Alderson de consiste de co	tarada ad alam	ALVE	la a ula a 16 a ula a	Open Wetland		040		Nama	Name	V						
plant	Aldrovanda vesiculosa	water wheel plant	ALVE	herbs/forbs	Habitat	NJISST Watch	Stage 0	0	None	None	Yes	Ħ	H	$\dagger \dagger$	H		
plant	Impatiens glandulifera	Himalayan balsam	IMGL	herbs/forbs	Open Wetland Habitat	NJISST Watch	Stage 0	0	None	None	Yes	Ш	Ш	Ц	Ц		Щ
plant	Murdannia keisak	marsh dayflower	MUKE	herbs/forbs	Open Wetland Habitat	NJISST Watch	Stage 0	0	Moderate	None	Yes			Ц	Ш		Щ
plant	Alliaria petiolata	garlic mustard	ALPE	herbs/forbs	Forest	Widespread	Widespread	50	High	None	No		Ш	Ш	Ш	Ш	Ш
plant	Cardamine impatiens	narrowleaf bittercress	CAIM	herbs/forbs	Forest	Widespread	Widespread	0	High	None	No	Ш	Щ	Щ	Ш	Ш	Ш
plant	Ficaria verna	lesser celandine	FIVE	herbs/forbs	Forest	Widespread	Widespread	3	High	None	Yes	Ш	Ц	Ш	Ц	Ш	Ш
plant	Lespedeza cuneata	sericea lespedeza	LECU	herbs/forbs	Open Upland Habitat	Widespread	Widespread	1038	High	None	Yes	Ш	Ш	Ц	Ш	Ш	Щ
plant	Artemisia vulgaris	mugwort	ARVU	herbs/forbs	Open Upland Habitat	Widespread	Widespread	24	High	None	Yes	Щ	Ц	\coprod			Ш
plant	Centaurea stoebe ssp. micranthos	spotted knapweed	CEBI	herbs/forbs	Open Upland Habitat	Widespread	Widespread	5	Moderate	None	No	Щ	Ц	\coprod	Ш		
plant	Cirsium arvense	Canada thistle	CIAR	herbs/forbs	Open Upland Habitat	Widespread	Widespread	0	High	None	No	Ш	Ц	\coprod	Ш		Щ
plant	Acorus calamus	American sweetflag	ACCA	herbs/forbs	Open Wetland Habitat	Widespread	Widespread	1	High	None	Yes						Ш
plant	Lythrum salicaria	purple loosestrife	LYSA	herbs/forbs	Open Wetland Habitat	Widespread	Widespread	3	Moderate	None	Yes			\coprod			
plant	Dipsacus fullonum	common teasel	DIFU	herbs/forbs	Open Wetland Habitat	Widespread	Widespread	1	High	None	Yes						

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					O \ \ \ \ - \ \ \ - \ \ \ - \ \ \ \									П			Ш
plant	Fallopia japonica	Japanese knotweed	FAJA	herbs/forbs	Open Wetland Habitat	Widespread	Widespread	35	High	None	Yes						
plant	Lonicera fragrantissima	sweet breath of spring	LOFR	shrub	Forest	NJISST Target	Stage 0	4	Moderate	1	Yes						ш
nlant	Dhomas dounties	Dahusian hunkthara	RHDA	a b 111 b	Farrant	NUICOT Target	Ctomo O	0	Llimb	1	Vaa						
plant plant	Rhamnus davurica Styrax japonicus	Dahurian buckthorn Japanese snowbell	STJA	shrub shrub	Forest Forest	NJISST Target NJISST Target	Stage 0 Stage 0	4	High Moderate	1	Yes Yes	H	H	Ħ			
												Ш	Ħ	11			ш
plant	Viburnum lantana	wayfaringtree	VILA	shrub	Forest	NJISST Target	Stage 0	0	High	1	Yes	H	H	₩		#	┵
plant	Viburnum plicatum	Japanese snowball	VIPL	shrub	Forest	NJISST Target	Stage 0	6	High	1	Yes			Ш		.	
	·				Open Upland									П	П		
plant	Elaeagnus angustifolia	Russian olive	ELAN	shrub	Habitat Open Upland	NJISST Target	Stage 0	5	High	1	No	H	H	Н	44	_	44
plant	Robinia hispida	bristly locust	ROHI	shrub	Habitat	NJISST Target	Stage 0	11	Moderate	1	Yes						
					Open Upland							Ш	Ħ	11	П		Ш
plant	Rubus armeniacus	Himalaya blackberry	RUAR	shrub	Habitat	NJISST Target	Stage 0	0	Moderate	1	Yes	Ш	H	щ	╜		+
plant	Rubus parvifolius	Western thimbleberry	RUPA	shrub	Open Upland Habitat	NJISST Target	Stage 0	0	Moderate	1	Yes						
plant	Berberis vulgaris	common barberry	BEVU	shrub	Forest	NJISST Target		8	Moderate	1	No	Ш			П		
1			F1 01	- 1 1-	F	NUICOT Tarres	011	40	I Code		.,						
plant plant	Eleutherococcus sieboldianus Euonymus europaeus	five-leaf aralia European spindletree	ELSI EUEU	shrub shrub	Forest Forest	NJISST Target NJISST Target	Stage 1 Stage 1	10 3	High Moderate	1	Yes No	Н	H	H	Н		
plant	Ligustrum ovalifolium	California privet	LIOV	shrub	Forest	NJISST Target	Stage 1	0	Moderate	1	Yes	Ш		ш			
plant	Ribes rubrum	garden red current	RIRU	shrub	Forest	NJISST Target	Stage 1	0	Moderate	1	Yes	Ш		П		Ш	Ш
plant	Viburnum setigerum	tea viburnum	VISE	shrub	Forest	NJISST Target	Stage 1	10	High	1	Yes				Ш		Ш
plant	Buddleja davidii	butterflybush	BUDA	shrub	Open Upland Habitat	NJISST Target	Stage 1	17	High	1	No			H	П		
	,	,			Open Upland			_			.,	m	Ħ	П	П		
plant	Rosa canina	dog rose	ROCA	shrub	Habitat Open Upland	NJISST Target	Stage 1	0	Moderate	1	Yes	H	H	₩	Н		#
plant	Rosa rugosa	seaside rose	RORU	shrub	Habitat	NJISST Target	Stage 1	2	High	1	Yes	Ш	Ц	44	4	44	\mathbf{H}
plant	Rubus laciniatus	cutleaf blackberry	RULA	shrub	Open Upland Habitat	NJISST Target	Stage 1	11	Moderate	1	Yes			Ш			
plant	Viburnum opulus	Guelder-rose	VIOP	shrub	Open Upland Habitat	NJISST Target	Stage 1	0	High	1	Yes				П		
piarit	Viburium opulus	Gueidei-iose	VIOI	Silido	Habitat	1401001 Target	Olage 1	0	riigii		163	H	H	Ħ			777
plant	Rhamnus cathartica	European buckthorn	RHCA	shrub	Forest	NJISST Target		194	High	1	Yes	Ш	Ш			ш	\perp
plant	Rhodotypos scandens	jetbead	RHSC	shrub	Forest	NJISST Target	Stage 2	86	High	1	Yes	Н	H	H	41		4
plant	Viburnum sieboldii	Siebold's arrowwood	VISI	shrub	Forest	NJISST Target	Stage 2	342	High	1	Yes				Ш		
plant	Salix cinerea	gray willow	SACI	shrub	Open Wetland Habitat	NJISST Target	Stage 2	0	High	1	No						
plant	Salix atrocinerea	large gray willow	SAAT	shrub	Open Wetland Habitat	NJISST Target	Stage 2	0	High	1	No						
plant	Amorpha fruticosa	indigobush	AMFR	shrub	Open Wetland Habitat	NJISST Target	Stage 2	216	High	1	Yes						\prod
plant	Frangula alnus	glossy buckthorn	FRAL	shrub	Open Wetland Habitat	NJISST Target	Stage 2	120	High	1	Yes						
												П	П	П	П		
plant	Photinia villosa	Oriental photinia	PHVI	shrub	Forest	NJISST Target	Stage 3	922	High	2	Yes		Ц				
plant	Kolkwitzia amabilis	beautybush	KOAM	shrub	Forest	NJISST Watch	Stage 0	N/A	Moderate	None	Yes		Ā	F	Ŧ		
plant	Berberis julianae	wintergreen barberry	BEJU	shrub	Forest	NJISST Watch	Stage 0	0	None	None	Yes				11		

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plant	Deutzia scabra	duetzia	DUSC	shrub	Forest	NJISST Watch	Stage 0	6	None	None	Yes		Ш				
plant	Ligustrum amurense	amur privet	LIAM	shrub	Forest	NJISST Watch	Stage 0	0	None	None	Yes		Ц	Ц			
plant	Mahonia bealei	Beale's barberry	MABE	shrub	Forest	NJISST Watch	Stage 0	0	None	None	Yes					Ш	Ш
plant	Poncirus trifoliata	hardy orange	POTR	shrub	Forest	NJISST Watch	Stage 0	3	None	None	Yes	Ш	Ц	Ц	┸	Ш	
plant	Rhamnus utilis	Chinese buckthorn	RHUT	shrub	Forest	NJISST Watch	Stage 0	0	None	None	Yes	Н	4	┦	4	H	
plant	Spiraea japonica	Japanese spiraea	SPJA	shrub	Forest Open Upland	NJISST Watch	Stage 0	0	None	None	Yes	Н	$oldsymbol{+}$	H	╀	H	
plant	Elaeagnus pungens	thorny elaeagnus	ELPU	shrub	Habitat Open Upland	NJISST Watch	Stage 0	0	None	None	Yes	Н	H	H	4	Н	
plant	Hippophae rhamnoides	seaberry	HIRH	shrub	Habitat Open Upland	NJISST Watch	Stage 0	0	None	None	Yes	Н	H	H	+	H	
plant	Osmanthus heterophyllus	holly osmanthus	OSHE	shrub	Habitat Open Upland	NJISST Watch	Stage 0	0	None	None	Yes	Н	H	${\mathbb H}$	╁	H	ш
plant plant	Rosa wichuraiana Berberis thunbergii	memorial rose Japanese barberry	ROWI BETH	shrub shrub	Habitat Forest	NJISST Watch Widespread	Stage 0 Widespread	0 51	Moderate High	None None	Yes Yes	Н	H	H	╄	H	Ш
plant	Euonymus alatus	winged burning bush	EUAL	shrub	Forest	Widespread	Widespread	18	High	None	Yes			П			
plant	Ligustrum obtusifolium	border privet	LIOB	shrub	Forest	Widespread	Widespread	73	High	None	Yes		Л	$\mathbf{\Pi}$		П	
plant	Ligustrum vulgare	European privet	LIVU	shrub	Forest	Widespread	Widespread	7	High	None	Yes		П	\mathbf{T}			пп
plant	Lonicera maackii	Amur honeysuckle	LOMA	shrub	Forest	Widespread	Widespread	2	High	None	Yes	П	П	П	1		
plant	Lonicera morrowii	Morrow's honeysuckle	LOMO	shrub	Forest	Widespread	Widespread	1	High	None	Yes	H	ΛŤ	П		T	пп
plant	Lonicera tatarica	Tatarian honeysuckle	LOTA	shrub	Forest	Widespread	Widespread	0	High	None	Yes	H	+	Ħ		H	HH
plant	Rosa multiflora	multiflora rose	ROMU	shrub	Forest	Widespread	Widespread	68	High	None	Yes	H	+	Ħ			
plant	Rubus phoenicolasius	wine raspberry	RUPH	shrub	Forest	Widespread	Widespread	8	High	None	Yes	H	H	++		H	П
plant	Viburnum dilatatum	linden viburnum	VIDI	shrub	Forest	Widespread	Widespread	1396	High	None	Yes	Ħ	П	П	Г		
plant	Elaeagnus umbellata	autumn olive	ELUM	shrub	Open Upland Habitat	Widespread	Widespread	23	High	None	Yes		Ш				
plant	Acer ginnala	Amur maple	ACGI	tree	Forest	NJISST Target	Stage 0	7	Moderate	1	Yes		ய			Ш'	
plant	Broussonetia papyrifera	paper mulberry	BRPA	tree	Forest	NJISST Target	Stage 0	5	Moderate	1	Yes		Ц	Ш	Ţ		
plant	Ulmus parvifolia	Chinese elm	ULPA	tree	Forest	NJISST Target	Stage 0	0	High	1	Yes	Ш	Ц	Ш	╪	Ш	Щ
plant	Ulmus procera	English elm	ULPR	tree	Forest	NJISST Target	Stage 0	2	High	1	Yes	Н	4	H	\downarrow	H	┷╫
plant	Zelkova serrata	Japanese zelkova	ZESE	tree	Forest Open Upland	NJISST Target	Stage 0	3	High	1	Yes	Н	H	44	╄	Н	$\blacksquare \Box$
plant	Kalopanax septemlobus	castor aralia	KASE	tree	Habitat Open Upland	NJISST Target	Stage 0	0	Moderate	1	Yes	Н	H	╽	╄	Н	$\blacksquare \Box$
plant	Populus alba	white poplar	POAL	tree	Habitat	NJISST Target	Stage 0	1	Moderate	1	Yes		ı I			/ I '	
plant	Acer pseudoplatanus	sycamore maple	ACPS	tree	Forest	NJISST Target	Stage 1	46	High	1	Yes	H	H		+	Н	<u>/ </u>
plant	Cornus kousa	Kousa dogwood	COKO	tree	Forest	NJISST Target	Stage 1	26	High	1	No	Н	+	Ħ	+		
plant	Phellodendron amurense	Amur corktree	PHAM	tree	Forest	NJISST Target	Stage 1	13	Moderate	1	Yes	Н	+	++	_		
plant	Prunus subhirtella var. pendula		PRSU	tree	Forest			56		1	Yes	Н	+	╁┼	4		
plant	Prunus subnirtella var. pendula Populus x canescens	weeping Higan cherry gray poplar	POCA	tree	Open Upland Habitat	NJISST Target NJISST Target	Stage 1 Stage 1	0	High Moderate	1	Yes	H	T		Ť	H	Ш
Pialit	1 opulus A caliescens	ίδιαλ δοδιαι	FOCA	псс	Open Wetland	140/001 Target	Stage 1		เขาบนธาสเช		163	H	Ħ	f	T	ΙT	
plant	Alnus glutinosa	European black alder	ALGL	tree	Habitat	NJISST Target	Stage 1	17	High	1	Yes					11'	
plant	Acer palmatum	Japanese maple	ACPA	tree	Forest	NJISST Target	Stage 2	94	Moderate	1	Yes	Н	H	#	+		
Piant	noor paimatum	очранове таріе	AUFA	1100	101691	1401001 Target	Glage Z	J4	woderate	<u> </u>	100	Н	_	4	+	H	HH
plant	Ulmus pumila	Siberian elm	ULPU	tree	Forest	NJISST Target	Stage 2	0	High	1	Yes				丄	Ш	Ш

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Таха	Scientific Name	Common Name	Species Code	NJISST APP Category	NJISST Search Grouping	NJISST Species Status	Current Abundance / Distribution Code	Number of Detections	NJISST Threat Code	ED/RR Action Code	Commercial Availability	ary Iary				st mber	November December
plant	Albizia julibrissin	mimosa	ALJU	tree	Open Upland Habitat	NJISST Target	Stage 2	329	Moderate	1	Yes						
plant	Malus toringo	Japanese crabapple	MATO	tree	Forest	NJISST Target	Stage 3	36	High	2	Yes						
plant	Aralia elata	Japanese angelica tree	AREL	tree	Open Upland Habitat	NJISST Target	Stage 3	719	High	2	Yes		Ш	Ц			Ш
plant	Pyrus calleryana	Callery pear (Bradford pear)	PYCA	tree	Open Upland Habitat	NJISST Target	Stage 3	764	High	2	Yes		Ш				Ш
plant	Magnolia kobus	Kobus magnolia	MAKO	tree	Forest	NJISST Watch	Stage 0	0	Moderate	None	Yes						
plant	Koelreuteria elegans	golden raintree	KOEL	tree	Forest	NJISST Watch	Stage 0	0	None	None	Yes		Ш	L			
plant	Salix matsudana	Chinese willow	SAMA	tree	Forest	NJISST Watch	Stage 0	0	None	None	Yes		Ш		Ш	Ш	Ш
plant	Morus australis	Chinese mulberry	MOAU	tree	Open Upland Habitat	NJISST Watch	Stage 0	0	Moderate	None	Yes		Ш				Ш
plant	Pyrus betulifolia	birchleaf pear	PYBE	tree	Open Upland Habitat	NJISST Watch	Stage 0	0	None	None	Yes		Ш	Ш	Ш	Ш	Ш
plant	Acer platanoides	Norway maple	ACPL	tree	Forest	Widespread	Widespread	6	High	None	Yes	Н	F	H	Ш	Н	H
plant	Ailanthus altissima	tree-of-heaven	AIAL	tree	Forest Open Upland	Widespread	Widespread	25	High	None	Yes	Ш	4	Ш	4	Щ	Ш
plant	Robinia pseudoacacia	black locust	ROPS	tree	Habitat	Widespread	Widespread	7	High	None	Yes	Ш	4	Ц		Щ	Ш
plant	Lonicera caprifolium	Italian woodbine	LOCA	vine	Open Upland Habitat	NJISST Target	Stage 0	0	Moderate	1	Yes	Ш	4	Ц	Ц	Щ	Ш
plant	Polygonum baldschuanicum	Bukhara fleeceflower	POBA	vine	Open Upland Habitat	NJISST Target	Stage 0	0	High	1	Yes	Ш	4	Ц	Ц	4	Ш
plant	Actinidia arguta	hardy kiwi	ACAR	vine	Vine	NJISST Target	Stage 0	7	Mild	1	Yes	Ш	Ц	Ц	Ш	╨	Ш
plant	Clematis flammula	fragrant clematis	CLFL	vine	Vine	NJISST Target	Stage 0	1	High	1	No		\bot	Ц	Ш	Щ	
plant	Dioscorea polysacha	Chinese yam	DIPO	vine	Vine	NJISST Target	Stage 0	4	Moderate	1	No		Щ	Ш	Ш	Ш	
plant	Akebia quinata	chocolate vine	AKQU	vine	Vine	NJISST Target	Stage 1	36	High	1	Yes		Ш	Ц	Ц		Ш
plant	Cynanchum Iouiseae	black swallowwort	CYLO	vine	Vine	NJISST Target	Stage 1	36	High	1	No		Ц	Ц	Ц	Ш	
plant	Cynanchum rossicum	pale swallowwort	CYRO	vine	Vine	NJISST Target	Stage 1	0	High	1	No	Ш	Ц	Ц	Ш		
plant	Parthenocissus tricuspidata	Boston ivy	PATR	vine	Vine	NJISST Target	Stage 1	17	High	1	Yes	Ш	Щ	Ш	Щ		Ш
			DUMO		\ C	N HOOT Towns	014	0.7	I Pada		Ma		1				
plant	Pueraria montana var. lobata	kudzu 	PUMO	vine	Vine	NJISST Target	Stage 1	27	High	1	No	Н	rt	Ħ	H	17	
plant	Euonymus fortunei	winter creeper	EUFO	vine	Vine	NJISST Target	Stage 2	131	High	1	Yes	H	十	Ħ	Ħ	╁	Ħ
plant	Wisteria floribunda	Japanese wisteria	WIFL	vine	Vine	NJISST Target	Stage 2	228	High	1	Yes	Н	+	H	╫		H
plant	Ampelopsis brevipedunculata	porcelain-berry	AMBR	vine	Vine	NJISST Target	Stage 3	746	High	2	Yes	Н	+	H	$oldsymbol{H}$		Н
plant	Clematis terniflora	Japanese clematis	CLTE	vine	Vine	NJISST Target	Stage 3	241	High	2	Yes	Н	+	${f H}$	H	44	\mathbb{H}
plant	Hedera helix	English ivy	HEHE	vine	Vine	NJISST Target	Stage 3	855	High	2	Yes	Ш	+	${f H}$	┧		
plant	Humulus japonicus	Japanese hop	HUJA	vine	Vine	NJISST Target	Stage 3	147	High	2	Yes	Ш	+	⇊	\blacksquare	4	H
plant	Wisteria sinensis	Chinese wisteria	WISI	vine	Vine	NJISST Target	Stage 3	28	High	2	Yes		1				



												Utili	ze p	hen	olog	y fo	r co	ntr	ıد
Таха	Scientific Name	Common Name	Species Code	NJISST APP Category	NJISST Search Grouping	NJISST Species Status	Current Abundance / Distribution Code	Number of Detections	NJISST Threat Code		Commercial Availability	January February	March	May	June	August	September October	November	December
plant	Celastrus orbiculatus	Oriental bittersweet	CEOR	vine	Forest	Widespread	Widespread	95	High	None	Yes			П	П	П			
plant	Lonicera japonica	Japanese honeysuckle	LOJA	vine	Forest	Widespread	Widespread	59	High	None	Yes	Ħ	H	т	H	17	47	Г	П
plant	Persicaria perfoliata	mile-a-minute vine	PEPE	vine	Vine	·	Widespread	513	High	None	No			Ħ					
reptile	Podarcis sicula	Italian Wall Lizard	POSI1	wildlife	Terrestrial	NJISST Target	Stage 0	1	Moderate	1	Yes								
reptile	Trachemys scripta	red-eared slider	TRSC1	wildlife	Freshwater	Widespread	Widespread	0	Mild	None	Yes			П		П			

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Taxa	Scientific Name	Common Name	Treatment Options - See NJISST Herbicide Use Suggestions and Mixing Guide for details
bird	Cvanus olor	mute swan	Requires coordination with NJ Division of Fish & Wildlife
bird	Carpodacus mexicanus	house finch	None recommended
bird	Molothrus ater	brown-headed cowbird	None recommended
bird	Passer domesticus	house sparrow	None recommended
bird	Sturnus vulgaris	European starling	None recommended
crustacean	Eriocheir sinensis	Chinese mitten crab	None recommended
crustacean	Hemigrapsus sanguineus	Asian shore crab	None recommended
fish	Piaractus brachypomus	red-bellied pacu	If detected, please contact the NJ Division of Fish & Wildlife
fish	Hypophthalmichthys motitnx	silver carp	Considered "Potentially Dangerous Fish" by NJ Division of Fish & Wildlife. Anglers required to destroy and report any captured individuals to the Fish and Wildlife Bureau of Freshwater Fisheries.
11511	Hypophinalinichinys mounts	silver carp	
			Considered "Potentially Dangerous Fish" by NJ Division of Fish & Wildlife. Anglers required to destroy and report any captured individuals to the Fish and Wildlife Bureau of Freshwater
fish	Hypophthalmichthys nobilis	bighead carp	Fisheries.
fish	Pterois volitans	lionfish	Requires coordination with NJ Division of Fish & Wildlife
fish	Monopterus albus	Asian swamp eel	Considered "Potentially Dangerous Fish" by NJ Division of Fish & Wildlife. Anglers required to destroy and report any captured individuals to the Fish and Wildlife Bureau of Freshwater Fisheries.
11511	Monopterus albus	Asian swamp eer	Fisiteries. Considered "Potentially Dangerous Fish" by NJ Division of Fish & Wildlife. Anglers required to destroy and report any captured individuals to the Fish and Wildlife Bureau of Freshwater
fish	Ctenopharyngodon idella	grass carp	Cristolered Proteintary Cangerous Fish by No Division of Fish & Wildlife. Anglets required to desiroy and report any captured individuals to the Fish and Wildlife Bureau of Freshwater Fisheries.
11311	Oteriopharyrigodorridena	grass carp	Considered "Potentially Dangerous Fish" by NJ Division of Fish & Wildlife. Anglers required to destroy and report any captured individuals to the Fish and Wildlife Bureau of Freshwater
fish	Culaea inconstans	brook stickleback	Fisheries.
			Considered "Potentially Dangerous Fish" by NJ Division of Fish & Wildlife. Anglers required to destroy and report any captured individuals to the Fish and Wildlife Bureau of Freshwater
fish	Lepomis gulosus	warmouth	Fisheries.
			Considered "Potentially Dangerous Fish" by NJ Division of Fish & Wildlife. Anglers required to destroy and report any captured individuals to the Fish and Wildlife Bureau of Freshwater
fish	Misgurnus anguillicaudatus	oriental weatherfish	Fisheries.
			Considered "Potentially Dangerous Fish" by NJ Division of Fish & Wildlife. Anglers required to destroy and report any captured individuals to the Fish and Wildlife Bureau of Freshwater
fish	Pylodictis olivaris	flathead catfish	Fisheries.
			Considered "Potentially Dangerous Fish" by NJ Division of Fish & Wildlife. Anglers required to destroy and report any captured individuals to the Fish and Wildlife Bureau of Freshwater
fish	Lepomis cyanellus	green sunfish	Fisheries.
fish	Cyprinus carpio	common carp	If detected, please contact the NJ Division of Fish & Wildlife Considered "Detection" Description of Fish & Wildlife Applies on the Considered of the Constant of the Constan
fish	Channa argus	Northern snakehead	Considered "Potentially Dangerous Fish" by NJ Division of Fish & Wildlife. Anglers required to destroy and report any captured individuals to the Fish and Wildlife Bureau of Freshwater Fisheries.
insect	Agrilus sulcicollis	European oak-boring beetle	Fisiteries. If detected, please inform NJDA.
insect	Anoplophora glabripennis	Asian longhorned beetle	If detected, please inform NJDA.
insect	Aradus cinnamomeus	pine flat bug	If detected, please inform NJDA.
insect	Lymantria dispar asiatica	Asian gypsy moth	If detected, please inform NJDA.
insect	Lymantria monacha	nun moth	If detected, please inform NJDA.
insect	Scolytus intricatus	European oak bark beetle	If detected, please inform NJDA.
insect	Sirex noctilio	Sirex woodwasp	If detected, please inform NJDA.
insect	Solenopsis invicta	red imported fire ant	If detected, please inform NJDA.
insect	Tetropium fuscum	brown spruce longhorn beetle	If detected, please inform NJDA.
insect	Xylosandrus crassiusculus	granulate ambrosia beetle	If detected, please inform NJDA.
insect	Xylosandrus mutilatus	camphor shot borer	If detected, please inform NJDA.
insect	Lycorma delicatula	Spotted lanternfly	If detected, please inform NJDA.
insect	Tomicus piniperda	larger pine shoot beetle	If detected, please inform NJDA.
insect	Agrilus planipennis	emerald ash borer	If detected, please inform NJDA.
insect	Lilioceris lilii	lily leaf beetles	If detected, please inform NJDA.
irisect	Lilloceris IIIII	illy lear beeties	il detected, please illioni NJDA.
insect	Phytomyza gymnostoma	Allium leaf miner	If detected, please inform NJDA.
insect	Pyrrhalta viburni	Viburnum leaf beetle	None recommended for natural areas.
insect	Adelges tsugae	hemlock woolly adelgid	NJDA currently evaluating effectiveness of recent biocontrol agent release (Laricobius nigrinus), which may provide effective control.
insect	Aedes albopictus	Asian tiger mosquito	Requires coordination with county Mosquito Control Commissions.
insect	Lymatria dispar dispar	European gypsy moth	NJDA and NJDEP currently conduct control activities.
invertebrate	Bipalium adventitium	Asian planarian species	
invertebrate	Amynthas agrestis	crazy worms	If detected, please inform NJ Forest Service.
invertebrate	Gonionemus vertens	clinging jellyfish	If detected, contact NJ Division of Fish & Wildlife.
invertebrate	Orconectes virilis	virile crayfish	If detected, contact NJ Division of Fish & Wildlife.
invertebrate	Orconectes obscurus	Allegheny crayfish	If detected, contact NJ Division of Fish & Wildlife.
invertebrate	Procambarus clarkii	red swamp crawfish	If detected, contact NJ Division of Fish & Wildlife.

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Taxa	Scientific Name	Common Name	Treatment Options - See NJISST Herbicide Use Suggestions and Mixing Guide for details
invertebrate	Haemaphysalis longicornis	East Asian Tick	If detected, contact NJ Division of Fish & Wildlife.
invertebrate	Aporrectodea limicola	earthworm (Lumbricidae)	None recommended
invertebrate	Dendrobaena octaedra	earthworm (Lumbricidae)	None recommended
invertebrate	Eisenia rosea	earthworm (Lumbricidae)	None recommended
invertebrate	Lumbricus rubellus	earthworm (Lumbricidae)	None recommended
invertebrate	Lumbricus terrestris	earthworm (Lumbricidae)	None recommended
invertebrate	Orconectes rusticus	rusty crayfish	None recommended
invertebrate	Carcinus maenas	European green crab	None recommended
mammal	Myocastor coypus	nutria	Requires coordination with NJ Division of Fish & Wildlife
			Unrestricted harvesting allowed during deer hunting seasons in Deer Management Zones 25 & 65. Harvested individuals must be checked by appointment with the Division's Southern
mammal	Sus scrofa	pig (feral)	Regional Office.
mammal	Felis domesticus	feral cats	Requires coordination with NJ Division of Fish & Wildlife
mollusk	Anodontoides ferussacianus	cylindrical papershell	Requires coordination with NJ Division of Fish & Wildlife Requires coordination with NJ Division of Fish & Wildlife
mollusk mollusk	Cipangopaludina chinensis malleata Dreissena bugensis	Chinese mystery snail quagga mussel	Requires coordination with NJ Division of Fish & Wildlife Requires coordination with NJ Division of Fish & Wildlife. Zeguanox is highly selective for Dreissena species
mollusk	Dreissena bugerisis Dreissena polymorpha	zebra mussel	Requires coordination with NJ Division of Fish & Wildlife. Zequanox is highly selective for Dreissena species Requires coordination with NJ Division of Fish & Wildlife. Zequanox is highly selective for Dreissena species
mollusk	Potamopyrgus antipodarum	New Zealand mud snail	Requires coordination with NJ Division of Fish & Wildlife. Zequanox is nightly selective for Dreissena species Requires coordination with NJ Division of Fish & Wildlife.
mollusk	Sinanodonta woodiana	Chinese pond mussel	Requires coordination with NJ Division of Fish & Wildlife Requires coordination with NJ Division of Fish & Wildlife
mollusk	Corbicula fulminea	Asian clam	None recommended
mollusk	Utterbackia imbecillis	Paper pondshell	None recommended
mollusk	Littorina littorea	European periwinkle	None recommended
mollusk	Rangia cuneata	Wedge rangia	None recommended
mollusk	Cepaea nemoralis	Brown-lipped snail	None recommended
mollusk	Limax maximus	Leopard slug	None recommended
pathogen	Batrachochytrium dendrobatidis	chytrid pathogen of frogs	If detected, please inform Endangered and Nongame Species Program
pathogen	Batrachochytrium salamandrivorans	chytrid pathogen of salamanders	If detected, please inform Endangered and Nongame Species Program
pathogen	Ophidiomyces ophiodiicola	snake fungal disease	If detected, please inform Endangered and Nongame Species Program
pathogen	Pseudogymnoascus destructans	White nose syndrome	If detected, please inform Endangered and Nongame Species Program
pathogen	UNKNOWN	Beech leaf disease	If detected, please inform Endangered and Nongame Species Program
pathogen	Ceratocystis fagacearum	oak wilt	If detected, contact NJ Department of Agriculture.
pathogen	Ophiostoma novo-ulmi	Dutch elm disease (novi-ulmi)	None available. NJDA does not need to be informed of detected occurrences.
pathogen	Phytophthora cinnamomi	Phytophthora root rot	None available. NJDA does not need to be informed of detected occurrences.
pathogen	Phytophthora ramorum	sudden oak death	Requires coordination with NJ Department of Agriculture
pathogen	Xylella fastidiosa	bacterial leaf scorch	None available. NJDA does not need to be informed of detected occurrences.
pathogen	Cronartium ribicola	white pine blister rust	Requires coordination with NJ Department of Agriculture
pathogen	Haplosporidium nelsonii	MSX of Oysters	Requires coordination with NJ Division of Fish & Wildlife
pathogen	Perkinsus marinus	Dermo disease	Requires coordination with NJ Division of Fish & Wildlife
pathogen	Cryphonectria parasitica	chestnut blight or canker	None recommended
pathogen	Discula destructiva	dogwood anthracnose	None recommended
pathogen	Neonectria coccinea var. faginata	beech bark canker	None recommended
pathogen	Ophiostoma ulmi	Dutch elm disease	None recommended

Таха	Scientific Name	Common Name	Treatment Options - See NJISST Herbicide Use Suggestions and Mixing Guide for details
pathogen	Sirococcus clavigignentii-juglandacearum	butternut canker	None recommended
plant	Callitriche stagnalis	European waterstarwort	AQUATIC SPECIES; Requires special permiting for herbicide application; Use wetland appropriate herbicide applied by professional lake managers; Treatment options may include hand-pulling and cutting.
piarit	Califficite stagnalis	Luiopean waterstarwort	AQUATIC SPECIES; Hand pulling only; Species is an algae (diatom) that spreads rapidly and begins to dissipate in warmer months; Flower and fruiting times are not applicable; Species
plant	Didymosphenia geminata	rock snot	occupies flowing waters and herbicide treatment is not feasible
			AQUATIC SPECIES; Requires special permiting for herbicide application; Use wetland appropriate herbicide applied by professional lake managers; Species does not produce fruit, but
plant	Egeria densa	Brazilian waterweed	spreads rapidly through fragmentation; Treatment options may include herbicide, benthic barriers and hand-pulling. AQUATIC SPECIES; Requires special permiting for herbicide application; Use wetland appropriate herbicide applied by professional lake managers; Fruit rarely produced; Treatment
plant	Eichhornia crassipes	common water hyacinth	AQUATION FECTION, requires special permitting for neutrous application, use welfail appropriate herbicide applied by professional rake managers, i full rately produced, freatment options may include herbicide and hand-bulling.
piant		John Mater Hydelman	AQUATIC SPECIES; Requires special permiting for herbicide application; Use wetland appropriate herbicide applied by professional lake managers; Treatment options may include
plant	Glossostigma cleistanthum	mudmat	herbicide and hand-pulling.
	Ukuda ahasi ana ana a		AQUATIC SPECIES; Requires special permiting for herbicide application; Use wetland appropriate herbicide applied by professional lake managers; Treatment options may include
plant	Hydrocharis morsus-ranae	European frog-bit	herbicide and hand-pulling. AQUATIC SPECIES; Requires special permiting for herbicide application; Use wetland appropriate herbicide applied by professional lake managers; Non-flowering; non-fruiting -
			highlighted red period indicates presense of reproductive spores; ANUAL SPECIES - Must treat before fruit/seed maturation (See phenology quidelines); Treatment options may
plant	Marsilea quadrifolia	European waterclover	include herbicide and hand-pulling.
			AQUATIC SPECIES; Requires special permiting for herbicide application; Use wetland appropriate herbicide applied by professional lake managers; Treatment options may include
plant	Nitellopsus obtusa	starry stonewort	herbicide, hand-pulling and shading.
plant	Nymphoides peltata	yellow floating heart	AQUATIC SPECIES; Requires special permiting for herbicide application; Use wetland appropriate herbicide applied by professional lake managers; Treatment options may include herbicide and hand-pulling.
piarit	Inympholdes peliala	yellow lloating fleart	nerolicide and handsplanning. AQUATIC SPECIES: Requires special permitting for herbicide application; Use wetland appropriate herbicide applied by professional lake managers; Species not yet considered winter
plant	Pistia stratiotes	water lettuce	hardy in NJ; Species spreads rapidly through fragmentation; Treatment options may include herbicide and hand-pulling.
			AQUATIC SPECIES; Requires special permitting for herbicide application; Use wetland appropriate herbicide applied by professional lake managers. Treatment with herbicide
plant	Stratiotes aloides	water soldier	recommended.
-11	Oak and be a see Britan	One lie of the second	AQUATIC SPECIES; Requires special permiting for herbicide application; Use wetland appropriate herbicide applied by professional lake managers; Species spreads via fragmentation;
plant	Cabomba caroliniana	Carolina fanwort	Treatment options may include herbicide, benthic barriers and hand-pulling. AQUATIC SPECIES; Requires special permiting for herbicide application; Use wetland appropriate herbicide applied by professional lake managers; Species does not produce viable
			seeds in North, but may produce tubers and turions; Spreads via fragmentation; Treatment options may include herbicide (before tuber production and may require repeated over several
plant	Hydrilla verticillata	hydrilla	consecutive years) and benthic barriers.
			AQUATIC SPECIES; Requires special permiting for herbicide application; Use wetland appropriate herbicide applied by professional lake managers; Species does not produce viable
plant	Myriophyllum aquaticum	parrotfeather	fruit; Species spreads rapidly through fragmentation
plant	Najas minor	brittleleaf naiad	AQUATIC SPECIES; Requires special permiting for herbicide application; Use wetland appropriate herbicide applied by professional lake managers; Species spreads rapidly through fragmentation; Treatment options may include heribicide and hand-pulling.
piarit	Ivajas minoi	brittlelear rialau	AQUATIC SPECIES: Requires special permiting for herbicide application; Use wetland appropriate herbicide applied by professional lake managers; ANNUAL SPECIES - Must treat
plant	Ludwigia peploides	creeping waterprimrose	before fruit/seed maturation (See phenology guidelines); Treatment options may include herbicide and hand-pulling.
	•		AQUATIC SPECIES; Requires special permiting for herbicide application; Use wetland appropriate herbicide applied by professional lake managers; Species spreads rapidly through
plant	Myosoton aquaticum	giant chickweed	fragmentation; ANNUAL SPECIES - Must treat before fruit/seed maturation (See phenology guidelines); Treatment options include herbicide application.
			AQUATIC SPECIES; Requires special permiting for herbicide application; Use wetland appropriate herbicide applied by professional lake managers; ANNUAL SPECIES - Must treat
plant	Trapa natans	European water chestnut	AQUATO PECIES, Nequires special permiting for herbicular appropriation, use welland appropriate herbicular appried by professional rake managers, NANOAL SPECIES - which treat before fruit/seed maturation (See phenology quidelines); Treatment options may include herbicide (often for several consecutive years), hand-pulling, mechanical raking and dredging.
pian.	Trapa natario	Zuropouri water erreetrat	AQUATIC SPECIES; Requires special permitting for herbicide application; Use wetland appropriate herbicide applied by professional lake managers; Species spreads rapidly through
plant	Myriophyllum spicatum	Eurasian water-milfoil	fragmentation; Treatment options may include heribicide, hand-pulling and benthic barriers.
			AQUATIC SPECIES; Requires special permiting for herbicide application; Use wetland appropriate herbicide applied by professional lake managers; Treatment options may include
plant	Nasturtium officinale	watercress	herbicide, hand-pulling and shading. AQUATIC SPECIES; Requires special permiting for herbicide application; Use wetland appropriate herbicide applied by professional lake managers. Treatment with herbicide
plant	Potamogeton crispus	curly-leaved pondweed	AQUATIC SPECIES; Requires special permitting for nerolicide application; use wettand appropriate nerolicide applied by professional take managers. Treatment with nerolicide recommended.
piant	1 damogeton drispad	ouny leaved politiveed	Foliar Spray: F5-2 (Glyphosate 3.00%); Foliar Spray: FS-8 (Quizalofop 0.38%); Pre-Emergent Spray: PE-1 (Prodiamine - See Label Instructions); ANNUAL SPECIES - Must treat before
plant	Oplismenus hirtellus	wavyleaf basketgrass	fruit/seed maturation (See phenology guidelines).
plant	Eragrostis curvula	weeping lovegrass	Foliar Spray: FS-2 (Glyphosate 3.00%); Conduct in late August through September to enhance effectiveness
plant	Miscanthus sinensis	Chinese silvergrass	Foliar Spray: FS-3 (Glyphosate 5.00%); Conduct in late August through September to enhance effectiveness
F-3.11			Final Epiger Vergent
plant	Phalaris canariensis	canarygrass	Foliar Spray: FS-2 (Glyphosate 3.00%); Seek aquatic application permit and use wetlands appropriate herbicides and surfactants
plant	Pennisteum alopecuriodes	black fountain grass	Foliar Spray: FS-2 (Glyphosate 3.00%); Species has a long-term seed bank
piafit	rennisteum alopecunodes	Diack fountain grass	i oliai opray. 1 5-2 (Gryphiosale 5.00 /n), openies fias a lunig-term seed batik
plant	Pennisetum setaceus	black fountain grass	Foliar Spray: FS-2 (Glyphosate 3.00%); Species has a long-term seed bank

Taxa	Scientific Name	Common Name	Treatment Options - See NJISST Herbicide Use Suggestions and Mixing Guide for details	
Taxa	Ocientine Name	Common Name	Treatment Options - See Notion Helibidite Ose Suggestions and mixing Guide for details	
plant	Ripidium ravennae	hardy pampas grass	Foliar Spray: FS-3 (Glyphosate 5.00%); Conduct in late August through September to enhance effectiveness	
			Foliar Spray: FS-2 (Glyphosate 3.00%); Pre-Emergent Spray: PE-1 (Prodiamine - See Label Instructions); ANNUAL SPECIES - Must treat before fruit/seed maturation (See phenology	
plant	Cyperus difformis	variable flatsedge	guidelines).	
plant	Microstogium viminoum	lananasa stiltarasa	Foliar Spray: FS-2 (Glyphosate 3.00%); Foliar Spray: FS-8 (Quizalofop 0.38%); Pre-Emergent Spray: PE-1 (Prodiamine - See Label Instructions); ANNUAL SPECIES - Must treat before	
piarit	Microstegium vimineum	Japanese stiltgrass	fruit/seed maturation (See phenology guidelines).	
			Foliar Spray: FS-2 (Glyphosate 3.00%); Seek aquatic application permit and use wetlands appropriate herbicides and surfactants; mowing or grazing may be considered as a pre-	
plant	Phalaris arundinacea	reed canarygrass	treatment	
			Foliar Spray: FS-2 (Glyphosate 3.00%); Foliar Spray: FS-8 (Quizalofop 0.38%); Pre-Emergent Spray: PE-1 (Prodiamine - See Label Instructions); ANNUAL SPECIES - Must treat before	
plant	Arthraxon hispidus	small carpetgrass	fruit/seed maturation (See phenology guidelines).	
plant	Phragmites australis	common reed	Foliar Spray: FS-3 (Glyphosate 5.00%); Seek aquatic application permit and use wetlands appropriate herbicides and surfactants.	
	T V		Foliar Spray: FS-2 (Glyphosate 3.00%); Foliar Spray: FS-8 (Quizalofop 0.38%); Pre-Emergent Spray: PE-1 (Prodiamine - See Label Instructions); ANNUAL SPECIES - Must treat before	
plant	Artemisia annua	annual wormwood	fruit/seed maturation (See phenology guidelines). Foliar Spray: FS-2 (Glyphosate 3.00%); BIENNIAL SPECIES - Must treat before fruit/seed maturation (See phenology guidelines); Treatment recommended from Mid Fall through Late	
plant	Corydalis incisa	purple keman	Winter to avoid damaging most native species	
plant	Ambrosia psilostachya	Cuman ragweed		
plant	Artemisia stelleriana	oldwoman	Foliar Spray: FS-2 (Glyphosate 3.00%); Species has thick/waxy leaves, utilitize Clean Cut surfactant or equivalent	
			Foliar Spray: FS-2 (Glyphosate 3.00%); WARNING! CAUSES SEVERE CONTACT DERMITITUS; Recommended treatment early in season before stems reach full height and become	
plant	Heracleum mantegazzianum	giant hogweed	difficult to spray. Please inform NJDA upon detection - NJDA is currently performing control activities on detected populations.	
plant	Lychnis flos-cuculi	ragged robin	Foliar Spray: FS-2 (Glyphosate 3.00%)	
		1997 1 1	Foliar Spray: FS-2 (Glyphosate 3.00%); Mowing recommneded only as pre-treatment to weaken root system (Perform in June followed by FS in September); September FS applications	
-11	E-Haria anakalia anais	ni- at large to a sel	recommended; Stem injection using glyphosate is highly effective but very time consuming for moderate to large populations (see http://stopknotweednj.com/knotweed_eradication.htm).	
plant	Fallopia sachalinensis	giant knotweed	As necessary, seek aquatic application permit and use wetlands appropriate herbicides and surfactants. Foliar Spray: FS-2 (Glyphosate 3.00%); Pre-Emergent Spray: PE-1 (Prodiamine - See Label Instructions); ANNUAL SPECIES - Must treat before fruit/seed maturation (See phenology	
plant	Persicaria orientalis	kiss me over the garden gate	guidelines).	
plant	Hosta ventricosa	blue plantain lily	Foliar Spray: FS-2 (Glyphosate 3.00%)	
plant	Carex kobomuqi	Japanese sedge	Foliar Spray: FS-2 (Glyphosate 3.00%); Species has thick/waxy leaves, utilitze Clean Cut surfactant or equivalent; Hand pulling on dunes may require special permission under CAFRA rules - Contact NJDEP.	
piani	Carox Rosemagi	oapaneee eeage		
	Disassas Issinistas		Foliar Spray: FS-2 (Glyphosate 3.00%); BIENNIAL SPECIES - Must treat before fruit/seed maturation (See phenology guidelines); Treatment recommended from Mid Fall through Late	
plant	Dipsacus laciniatus	cutleaf teasel	Winter to avoid damaging most native species Foliar Spray: FS-2 (Glyphosate 3.00%); Species has thick/waxy leaves, utilize Clean Cut surfactant or equivalent; Hand pulling on dunes may require special permission under CAFRA	
plant	Carex macrocephala	largehead sedge	rules - Contact NJDEP.	
			Foliar Spray: FS-2 (Glyphosate 3.00%); BIENNIAL SPECIES - Must treat before fruit/seed maturation (See phenology guidelines); Treatment recommended from Mid Fall through Late	
			Winter to avoid damaging most native species; Seek aquatic application permit and use wetlands appropriate herbicides and surfactants. WARNING! Poison hemlock contains piperidine alkaloids, and ALL plants parts are highly toxic to humans and animals when ingested. Poison hemlock can cause coma or death from respiratory paralysis after ingestion. It	
plant	Conium maculatum	poison-hemlock	can cause dermatitis, nausea, and headaches if touched or inhaled after continuous handling, cutting, or mowing.	
			Fallow Carry FC 2 (Charlespate 2 000/). Dra Francesca Carry DF 4 (Dradiomina Cara) shall leady satisface). ANNI IAI CDFOIFC. Must know the form the first control of the co	
plant	Perilla frutescens	beefsteakplant	Foliar Spray: FS-2 (Glyphosate 3.00%); Pre-Emergent Spray: PE-1 (Prodiamine - See Label Instructions); ANNUAL SPECIES - Must treat before fruit/seed maturation (See phenology quidelines).	
plant	Irie peoudocorue	vallow iris	Foliar Spray: ES 2 (Chyphocata 5 00%). Plante are starile and do not produce viable spade: Social equatio application permit and use wellends expressions be the initial and a surfactorial	
plant	Iris pseudacorus	yellow iris	Foliar Spray: FS-3 (Glyphosate 5.00%); Plants are sterile and do not produce viable seeds; Seek aquatic application permit and use wetlands appropriate herbicides and surfactants	
			Foliar Spray: FS-2 (Glyphosate 3.00%); BIENNIAL SPECIES - Must treat before fruit/seed maturation (See phenology guidelines); Treatment recommended from Mid Fall through Late	
plant	Anthriscus sylvestris	wild chervil	Winter to avoid damaging most native species	
plant	Scilla siberica	squill		
plant	Carex flacca	blue-green sedge		
plant	Achyranthes japonica	Japanese chaff flower	Foliar Spray: FS-2 (Glyphosate 3.00%)	
p	. y Jele	paparioco criari norro:	1 · · · · · 1 · N · · · · · · · · · · ·	

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Таха	Scientific Name	Common Name	Treatment Options - See NJISST Herbicide Use Suggestions and Mixing Guide for details
plant	Arum italicum	Italian arum	Foliar Spray: FS-2 (Glyphosate 3.00%); Species has thick/waxy leaves, utilize Clean Cut surfactant or equivalent
plant	Belamcanda chinensis	blackberry lily	Foliar Spray: FS-2 (Glyphosate 3.00%); Species has thick/waxy leaves, utililize Clean Cut surfactant or equivalent
plant	Cyrtomium falcatum	Japanese net-veined holly fern	Foliar Spray: FS-2 (Glyphosate 3.00%)
plant	Fatoua villosa	hairy crabweed	Foliar Spray: FS-2 (Glyphosate 3.00%); Pre-Emergent Spray: PE-1 (Prodiamine - See Label Instructions); ANNUAL SPECIES - Must treat before fruit/seed maturation (See phenology quidelines).
plant	Houttuynia cordata	chameleon-plant	Foliar Spray: FS-2 (Glyphosate 3.00%)
plant	Hyacinthoides hispanica	Hispanic hyacinthoides	Foliar Spray: FS-2 (Glyphosate 3.00%)
plant	Lamiastrum galeobdolon	yellow archangel	Foliar Spray: FS-2 (Glyphosate 3.00%)
plant	Leucojum aestivum	snowbell	Foliar Spray: FS-2 (Glyphosate 3.00%)
plant	Salvia glutinosa	Jupiter's distaff	Foliar Spray: FS-2 (Glyphosate 3.00%)
			Foliar Spray: FS-2 (Glyphosate 3.00%); Pre-Emergent Spray: PE-1 (Prodiamine - See Label Instructions); ANNUAL SPECIES - Must treat before fruit/seed maturation (See phenology
plant	Cuscuta japonica	purple stemmed dodder	guidelines).
plant	Cytisus scoparius	Scotch broom	Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture)
plant	Falcaria vulgaris	Sickleweed	Foliar Spray: FS-2 (Glyphosate 3.00%); Species may act as a biennial or perennial.
plant	Kummerowia stipulacea	Korean clover	Foliar Spray: FS-2 (Glyphosate 3.00%); Pre-Emergent Spray: PE-1 (Prodiamine - See Label Instructions); ANNUAL SPECIES - Must treat before fruit/seed maturation (See phenology quidelines). Species is planted (USDA Fact Sheet). It is annual. Listed as invasive in south-central states.
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plant	Oenanthe javanica	Java dropwort	Foliar Spray: FS-2 (Glyphosate 3.00%)
nlant	Aldrovanda vesiculosa	water wheel plant	AQUATIC SPECIES; Requires special permiting for herbicide application; Use wetland appropriate herbicide applied by professional lake managers. Treatment options may include herbicide and hand-pulling.
plant	Aldrovanda vesiculosa	water wheel plant	neroicide and narid-pulling.
plant	Impatiens glandulifera	Himalayan balsam	Foliar Spray: FS-2 (Glyphosate 3.00%); Pre-Emergent Spray: PE-1 (Prodiamine - See Label Instructions); ANNUAL SPECIES - Must treat before fruit/seed maturation (See phenology quidelines).
ріапі	impatiens gianduliera	Hillidiayan balsam	guidelines).
plant	Murdannia keisak	marsh dayflower	Foliar Spray: FS-2 (Glyphosate 3.00%); ANNUAL SPECIES - Must treat before fruit/seed maturation (See phenology guidelines).
			Foliar Spray: FS-2 (Glyphosate 3.00%); BIENNIAL SPECIES - Must treat before fruit/seed maturation (See phenology guidelines); Treatment recommended from Mid Fall through Late
plant	Alliaria petiolata	garlic mustard	Winter to avoid damaging most native species Foliar Spray: FS-2 (Glyphosate 3.00%); BIENNIAL SPECIES - Must treat before fruit/seed maturation (See phenology guidelines); Treatment recommended from Mid Fall through Late
plant	Cardamine impatiens	narrowleaf bittercress	Winter to avoid damaging most native species
plant	Ficaria verna	lesser celandine	Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); As necessary, seek aquatic application permit and use wetlands appropriate herbicides and surfactants; Control not often recommended due to high probability of reinfestation from upstream sources
plant	Lespedeza cuneata	sericea lespedeza	Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Metsulfuron (0.25%) should be considered an alternate method that is effective on species of the bean family.
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plant	Artemisia vulgaris	mugwort	Foliar Spray: FS-7 (Aminopyralid 0.27%); Apply in early summer; mowing may be utilized as a pre-treatment, but allow 4-8 weeks for re-growth before utilizing FS
plant	Centaurea stoebe ssp. micranthos	spotted knapweed	Foliar Spray: FS-6 (Clopyralid 0.63%). Biological control agents are commercially available, but requires PPQ 526 Permit - Requires coordination with NJDA.
plant	Cirsium arvense	Canada thistle	Foliar Spray: FS-6 (Clopyralid 0.63%)
plant	Acorus calamus	American sweetflag	Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Plants are sterile and do not produce viable seeds; Seek aquatic application permit and use wetlands appropriate herbicides and surfactants
plant	Lythrum salicaria	purple loosestrife	Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Presence of biological control beetles often preclude need for herbicide treatments
plant	Dipsacus fullonum	common teasel	Foliar Spray: FS-2 (Glyphosate 3.00%); BIENNIAL SPECIES - Must treat before fruit/seed maturation (See phenology guidelines); Treatment recommended from Mid Fall through Late Winter to avoid damaging most native species

Toyo	Scientific Name	Common Name	Treatment Options - See NJISST Herbicide Use Suggestions and Mixing Guide for details
Taxa	Scientific Name	Common Name	Foliar Spray: FS-2 (Glyphosate 3.00%); Mowing recommneded only as pre-treatment to weaken root system (Perform in June followed by FS in September); September FS applications
			recommended; Stem injection using glyphosate is highly effective but very time consuming for moderate to large populations (see http://stopknotweed.pi.com/knotweed_eradication.htm).
plant	Fallopia japonica	Japanese knotweed	As necessary, seek aquatic application permit and use wetlands appropriate herbicides and surfactants.
plant	Lonicera fragrantissima	sweet breath of spring	Foliar Spray: FS-2 (Glyphosate 3.00%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); Cut Stump: CS-1 (Glyphosate 50%)
			Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); STRONGLY RE-SPROUTING SPECIES
plant	Rhamnus davurica	Dahurian buckthorn	(CUTTING NOT RECOMMENDED); For BB, apply from July through September to enhance effectiveness
plant	Styrax japonicus	Japanese snowbell	Foliar Spray: FS-2 (Glyphosate 3.00%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); Cut Stump: CS-1 (Glyphosate 50%)
mlam4	Vibrary and londons	a. faria atra a	Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); STRONGLY RE-SPROUTING SPECIES
plant	Viburnum lantana	wayfaringtree	(CUTTING NOT RECOMMENDED); For BB, apply from July through September to enhance effectiveness Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); STRONGLY RE-SPROUTING SPECIES
plant	Viburnum plicatum	Japanese snowball	(CUTTING NOT RECOMMENDED); For BB, apply from July through September to enhance effectiveness
piant	Viburium piloatum	Dapanese snowball	Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); STRONGLY RE-SPROUTING SPECIES
plant	Elaeagnus angustifolia	Russian olive	(CUTTING NOT RECOMMENDED); For BB, apply from July through September to enhance effectiveness
j			Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); STRONGLY RE-SPROUTING SPECIES
plant	Robinia hispida	bristly locust	(CUTTING NOT RECOMMENDED); For BB, apply from July through September to enhance effectiveness
	·	·	
plant	Rubus armeniacus	Himalaya blackberry	Foliar Spray: FS-3 (Glyphosate 5.00%)
plant	Rubus parvifolius	Western thimbleberry	Foliar Spray: FS-3 (Glyphosate 5.00%)
plant	Berberis vulgaris	common barberry	Foliar Spray: FS-2 (Glyphosate 3.00%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); Cut Stump: CS-1 (Glyphosate 50%)
			Foliar Spray: FS-1 (Blyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); STRONGLY RE-SPROUTING SPECIES
plant	Eleutherococcus sieboldianus	five-leaf aralia	(CUTTING NOT RECOMMENDED); For BB, apply from July through September to enhance effectiveness
plant	Euonymus europaeus	European spindletree	Foliar Spray: FS-2 (Blyphosate 3.00%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); Cut Stump: CS-1 (Glyphosate 50%)
plant plant	Ligustrum ovalifolium Ribes rubrum	California privet garden red current	Foliar Spray: FS-2 (Glyphosate 3.00%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); Cut Stump: CS-1 (Glyphosate 50%) Foliar Spray: FS-3 (Glyphosate 5.00%)
piani	Ribes rubrum	garden red current	Foliar Spray: F5-3 (Glyphosate 3.05%) Foliar Spray: F5-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); STRONGLY RE-SPROUTING SPECIES
plant	Viburnum setigerum	tea viburnum	Old Springs
piant	Vibarriam Setigeram	tea vibarriam	(COTTING NOT NECOMMENDED), TOTAL, apply from only unough deplement to enhance electiveness
plant	Buddleja davidii	butterflybush	Foliar Spray: FS-2 (Glyphosate 3.00%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); Cut Stump: CS-1 (Glyphosate 50%)
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plant	Rosa canina	dog rose	Foliar Spray: FS-2 (Glyphosate 3.00%), Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); Cut Stump: CS-1 (Glyphosate 50%)
			Foliar Spray: FS-2 (Glyphosate 3.00%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); Cut Stump: CS-1 (Glyphosate 50%); Species has thick/waxy
plant	Rosa rugosa	seaside rose	leaves, utilize Clean Cut surfactant or equivalent
plant	Rubus laciniatus	cutleaf blackberry	Foliar Spray: FS-3 (Glyphosate 5.00%)
	Vib., marina antilica	Overlides area	Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); STRONGLY RE-SPROUTING SPECIES
plant	Viburnum opulus	Guelder-rose	(CUTTING NOT RECOMMENDED); For BB, apply from July through September to enhance effectiveness Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); STRONGLY RE-SPROUTING SPECIES
plant	Rhamnus cathartica	European buckthorn	(CUTTING NOT RECOMMENDED); For BB, apply from July through September to enhance effectiveness
plant	Rhodotypos scandens	ietbead	(COTTING NOT INCOMINED B), TO BD, apply from duly through deptember to enhance electiveness Foliar Spray: FS-3 (Glyphosate 5.00%)
piant	Tribuotypos scarideris	jeibeau	Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); STRONGLY RE-SPROUTING SPECIES
plant	Viburnum sieboldii	Siebold's arrowwood	(CUTTING NOT RECOMMENDED); For BB, apply from July through September to enhance effectiveness
piani	Vibarriam cicboran	Closseld & direttineed	Too the the the table of table o
plant	Salix cinerea	gray willow	
plant	Salix atrocinerea	large gray willow	
			Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); STRONGLY RE-SPROUTING SPECIES
			(CUTTING NOT RECOMMENDED); For BB, apply from July through September to enhance effectiveness; Species often occurs as dense profusion of thin stems, which may require
plant	Amorpha fruticosa	indigobush	mowing as a pre-treatment
			File Court FO A (Obstant O TEXT Title on Action O FOW) Part Fold (Title O TEXT
-11	For a surface large	ata a su tru 100	Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); STRONGLY RE-SPROUTING SPECIES
plant	Frangula alnus	glossy buckthorn	(CUTTING NOT RECOMMENDED); For BB, apply from July through September to enhance effectiveness Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); STRONGLY RE-SPROUTING SPECIES
plant	Photinia villaga	Oriental photinia	
plant	Photinia villosa	Oriental photinia	(CUTTING NOT RECOMMENDED); For BB, apply from July through September to enhance effectiveness
plant	Kolkwitzia amabilis	beautybush	
plant	TOTALIA ATTADAD	Doddiybdoii	
plant	Berberis julianae	wintergreen barberry	Foliar Spray: FS-2 (Glyphosate 3.00%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); Cut Stump: CS-1 (Glyphosate 50%)

Таха	Scientific Name	Common Name	Treatment Options - See NJISST Herbicide Use Suggestions and Mixing Guide for details	
plant	Deutzia scabra	duetzia	Foliar Spray: FS-2 (Glyphosate 3.00%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); Cut Stump: CS-1 (Glyphosate 50%)	
plant	Ligustrum amurense	amur privet	Foliar Spray: FS-2 (Glyphosate 3.00%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); Cut Stump: CS-1 (Glyphosate 50%)	
			Foliar Spray: FS-2 (Glyphosate 3.00%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); Cut Stump: CS-1 (Glyphosate 50%); Species has thick/waxy	
plant	Mahonia bealei	Beale's barberry	leaves, utilize Clean Cut surfactant or equivalent	
	Developed to the line to	hands are a	Esta Como ES O (Obelo de O O Obelo de De A (Estaba e Esta OE) O Destificado Haracteria do O O Obelo de ESON	
plant	Poncirus trifoliata	hardy orange	Foliar Spray: FS-2 (Glyphosate 3.00%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); Cut Stump: CS-1 (Glyphosate 50%) Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); STRONGLY RE-SPROUTING SPECIES	
plant	Rhamnus utilis	Chinese buckthorn	Old Spins, 1-37 (Gypriosale 3-736, Hoody) Alimie 2-30-36, Base Bark, Bar (Hoody) Este 23-80 Familiate in ready-to-use historie, STROMER RESORTING SPECIES (CUTTING NOT RECOMMENDED); For BB, apply from July through September to enhance effectiveness	
piani			(
plant	Spiraea japonica	Japanese spiraea	Foliar Spray: FS-2 (Glyphosate 3.00%)	
			Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); STRONGLY RE-SPROUTING SPECIES	
plant	Elaeagnus pungens	thorny elaeagnus	(CUTTING NOT RECOMMENDED); For BB, apply from July through September to enhance effectiveness	
plant	Hippophae rhamnoides	seaberry	Foliar Spray: FS-2 (Glyphosate 3.00%)	
piant	The popular manifestation	ocasey	· sinal opinity · · · · · · Loyprisonal order by	
plant	Osmanthus heterophyllus	holly osmanthus	Foliar Spray: FS-2 (Glyphosate 3.00%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); Cut Stump: CS-1 (Glyphosate 50%)	
plant	Rosa wichuraiana	memorial rose	Foliar Spray: FS-2 (Glyphosate 3.00%), Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); Cut Stump: CS-1 (Glyphosate 50%)	
plant	Berberis thunbergii	Japanese barberry	Foliar Spray: FS-2 (Glyphosate 3.00%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); Cut Stump: CS-1 (Glyphosate 50%)	
plant	Euonymus alatus	winged burning bush	Foliar Spray: FS-2 (Glyphosate 3.00%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); Cut Stump: CS-1 (Glyphosate 50%)	
plant	Ligustrum obtusifolium	border privet	Foliar Spray: FS-2 (Glyphosate 3.00%); Basal Bark: BB-1 (Triciopyr Ester 25% OR Pathfinder II ready-to-use mixture); Cut Stump: CS-1 (Glyphosate 50%) Foliar Spray: FS-2 (Glyphosate 3.00%); Basal Bark: BB-1 (Triciopyr Ester 25% OR Pathfinder II ready-to-use mixture); Cut Stump: CS-1 (Glyphosate 50%)	
plant	Ligustrum vulgare	European privet	Foliar Spray: FS-2 (Glyphosate 3.00%); Basal Bark: BB-1 (Triciopyr Ester 25% OR Pathfinder II ready-to-use mixture); Cut Stump: CS-1 (Glyphosate 50%)	
plant	Lonicera maackii	Amur honeysuckle	Foliar Spray: FS-2 (Glyphosate 3.00%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); Cut Stump: CS-1 (Glyphosate 50%)	
plant	Lonicera morrowii	Morrow's honevsuckle	Foliar Spray: FS-2 (Glyphosate 3.00%): Basal Bark: BB-1 (Triciopyr Ester 25% OR Pathfinder II ready-to-use mixture): Cut Stump: CS-1 (Glyphosate 50%)	
	Lonicera tatarica	- -	Foliar Spray: F5-2 (Glyphosate 3.00%); Basal Bark: BB-1 (Triciopyr Ester 25% OR Pathfinder II ready-to-use mixture); Cut Stump: C5-1 (Glyphosate 50%) Foliar Spray: F5-2 (Glyphosate 3.00%); Basal Bark: BB-1 (Triciopyr Ester 25% OR Pathfinder II ready-to-use mixture); Cut Stump: C5-1 (Glyphosate 50%)	
plant		Tatarian honeysuckle		
plant	Rosa multiflora	multiflora rose	Foliar Spray: FS-2 (Glyphosate 3.00%), Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); Cut Stump: CS-1 (Glyphosate 50%)	
plant	Rubus phoenicolasius	wine raspberry	Foliar Spray: FS-3 (Glyphosate 5.00%)	
			Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); STRONGLY RE-SPROUTING SPECIES	
plant	Viburnum dilatatum	linden viburnum	(CUTTING NOT RECOMMENDED): For BB, apply from July through September to enhance effectiveness	
nlant	Floorance conhollate	autuman alius	Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); STRONGLY RE-SPROUTING SPECIES (CUTTING NOT RECOMMENDED); For BB, apply from July through September to enhance effectiveness	
plant	Elaeagnus umbellata	autumn olive		
plant	Acer ginnala	Amur maple	Foliar Spray: FS-2 (Glyphosate 3.00%); Cut Stump: CS-1 (Glyphosate 50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture)	
			Foliar Spray: FS-1 (Blyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); STRONGLY RE-SPROUTING SPECIES	
plant	Broussonetia papyrifera	paper mulberry	(CUTTING NOT RECOMMENDED); For BB, apply from July through September to enhance effectiveness. Found in Cape May.	
plant	Ulmus parvifolia	Chinese elm	Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); STRONGLY RE-SPROUTING SPECIES (CUTTING NOT RECOMMENDED); For BB, apply from July through September to enhance effectiveness	
piani	Olifius parviiolia	Chinese eini	Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); STRONGLY RE-SPROUTING SPECIES	
plant	Ulmus procera	English elm	(CUTTING NOT RECOMMENDED); For BB, apply from July through September to enhance effectiveness	
			Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); STRONGLY RE-SPROUTING SPECIES	
plant	Zelkova serrata	Japanese zelkova	(CUTTING NOT RECOMMENDED); For BB, apply from July through September to enhance effectiveness	
			Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); STRONGLY RE-SPROUTING SPECIES	
plant	Kalopanax septemlobus	castor aralia	(CUTTING NOT RECOMMENDED); For BB, apply from July through September to enhance effectiveness	
	B	1.00	Foliar Spray: FS-1 (Blyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); STRONGLY RE-SPROUTING SPECIES	
plant	Populus alba	white poplar	(CUTTING NOT RECOMMENDED): For BB, apply from July through September to enhance effectiveness	
plant plant	Acer pseudoplatanus Cornus kousa	sycamore maple Kousa dogwood	Foliar Spray: FS-2 (Glyphosate 3.00%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture) Foliar Spray: FS-2 (Glyphosate 3.00%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); Cut Stump: CS-1 (Glyphosate 50%)	
•	Phellodendron amurense	Amur corktree	Foliar Spray: F5-1 (Glyphosate 3.0%), basal bari. Bei (Triclopyr Ester 2.3% OR Pathinder II ready-to-use mixture), Cut Sturip. C3-1 (Glyphosate 3.0%) Foliar Spray: F5-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%), Basal Baris: B8-1 (Triclopyr Ester 25% OR Pathinder II ready-to-use mixture)	
plant				
plant	Prunus subhirtella var. pendula	weeping Higan cherry	Foliar Spray: FS-2 (Glyphosate 3.00%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); Cut Stump: CS-1 (Glyphosate 50%) Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); STRONGLY RE-SPROUTING SPECIES	
plant	Populus x canescens	gray poplar	(CUTTING NOT RECOMMENDED); For BB, apply from July through September to enhance effectiveness	
p.an.	- Sparad A dariodociid	gray popiai	(Co	
			Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); STRONGLY RE-SPROUTING SPECIES	
plant	Alnus glutinosa	European black alder	(CUTTING NOT RECOMMENDED); For BB, apply from July through September to enhance effectiveness	
	Acer palmatum	Japanese maple	Foliar Spray: FS-2 (Glyphosate 3.00%); Cut Stump: CS-1 (Glyphosate 50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture)	
plant	Acei paimatum			
plant	Acer paimatum	oapanoo mapio	Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); STRONGLY RE-SPROUTING SPECIES	

Таха	Scientific Name	Common Name	Treatment Options - See NJISST Herbicide Use Suggestions and Mixing Guide for details		
plant	Albizia julibrissin	mimosa	Foliar Spray: FS-2 (Glyphosate 3.00%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture)		
plant	Malus toringo	Japanese crabapple	Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); STRONGLY RE-SPROUTING SPECIES (CUTTING NOT RECOMMENDED); For BB, apply from July through September to enhance effectiveness		
plant	Aralia elata	Japanese angelica tree	Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); STRONGLY RE-SPROUTING SPECIES (CUTTING NOT RECOMMENDED); For BB, apply from July through September to enhance effectiveness		
			Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); STRONGLY RE-SPROUTING SPECIES		
plant	Pyrus calleryana	Callery pear (Bradford pear)	(CUTTING NOT RECOMMENDED); For BB, apply from July through September to enhance effectiveness		
plant	Magnolia kobus	Kobus magnolia			
plant	Koelreuteria elegans	golden raintree	Foliar Spray: FS-2 (Glyphosate 3.00%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); Cut Stump: CS-1 (Glyphosate 50%) Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); STRONGLY RE-SPROUTING SPECIES		
plant	Salix matsudana	Chinese willow	(CUTTING NOT RECOMMENDED); For BB, apply from July through September to enhance effectiveness		
plant	Morus australis	Chinese mulberry	Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); STRONGLY RE-SPROUTING SPECIES (CUTTING NOT RECOMMENDED); For BB, apply from July through September to enhance effectiveness		
plant	Pvrus betulifolia	birchleaf pear	Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); STRONGLY RE-SPROUTING SPECIES (CUTTING NOT RECOMMENDED); For BB, apply from July through September to enhance effectiveness		
plant	Acer platanoides	Norway maple	Foliar Spray: FS-2 (Glyphosate 3.00%); Basal Bark: BB-1 (Trictopyr Ester 25% OR Pathfinder II ready-to-use mixture)		
	·		Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); STRONGLY RE-SPROUTING SPECIES		
plant	Ailanthus altissima	tree-of-heaven	(CUTTING NOT RECOMMENDED); For BB, apply from July through September to enhance effectiveness Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); STRONGLY RE-SPROUTING SPECIES		
plant	Robinia pseudoacacia	black locust	(CUTTING NOT RECOMMENDED); For BB, apply from July through September to enhance effectiveness		
plant	Lonicera caprifolium	Italian woodbine	Foliar Spray: FS-2 (Glyphosate 3.00%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); Cut Stump: CS-1 (Glyphosate 50%)		
plant	Polygonum baldschuanicum	Bukhara fleeceflower	Foliar Spray: FS-2 (Glyphosate 3.00%)		
plant	Actinidia arguta	hardy kiwi	Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); Pre-treatment cutting recommended when tall/dense/multi-stem tangles prohibit safe application via FS.		
plant	Clematis flammula	fragrant clematis	Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); VINE SPECIES; Pre-treatment cutting recommended when tall/dense/multi-stem tangles prohibit safe application via FS; Species has thick/waxy leaves, utilize Clean Cut surfactant or equivalent		
piani	Clematis naminula	nagrani demaiis	Species has unknown preventional properties and provided in the provided provided in the provided prov		
plant	Dioscorea polysacha	Chinese yam	Species has thick/waxy leaves, utilize Clean Cut surfactant or equivalent		
			Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); VINE SPECIES; Pre-treatment cutting		
plant	Akebia quinata	chocolate vine	recommended when tall/dense/multi-stem tangles prohibit safe application via FS; Species has thick/waxy leaves, utilize Clean Cut surfactant or equivalent Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); VINE SPECIES; Pre-treatment cutting recommended when tall/dense/multi-stem tangles prohibit safe application via FS;		
plant	Cynanchum Iouiseae	black swallowwort	Species has thick/waxy leaves, utilize Clean Cut surfactant or equivalent Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); VINE SPECIES; Pre-treatment cutting recommended when tall/dense/multi-stem tangles prohibit safe application via FS;		
plant	Cynanchum rossicum	pale swallowwort	Species has thick/waxy leaves, utilize Clean Cut surfactant or equivalent		
-11	Death and all and delicated and all all and all all and all and all and all all and all all and all all all all all and all all all all all all all all all al	Parter in	Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); VINE SPECIES; Pre-treatment cutting		
plant	Parthenocissus tricuspidata	Boston ivy	recommended when tall/dense/multi-stem tangles prohibit safe application via FS.		
plant	Pueraria montana var. lobata	kudzu	Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); VINE SPECIES; Pre-treatment cutting recommended when tall/dense/multi-stem tangles prohibit safe application via FS; Species has thick/waxy leaves, utilize Clean Cut surfactant or equivalent		
piani	Puerana montana var. lobata	kudzu	Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); Pre-treatment cutting recommended when		
plant	Euonymus fortunei	winter creeper	tall/dense/multi-stem tangles prohibit safe application via FS; Species has thick/waxy leaves, utilize Clean Cut surfactant or equivalent		
plant	Wisteria floribunda	Japanese wisteria	Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); VINE SPECIES; Pre-treatment cutting recommended when tall/dense/multi-stem tangles prohibit safe application via FS; Species has thick/waxy leaves, utilize Clean Cut surfactant or equivalent		
plant	Ampelopsis brevipedunculata	porcelain-berry	Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); VINE SPECIES; Pre-treatment cutting recommended when tall/dense/multi-stem tangles prohibit safe application via FS.		
	Clematis terniflora		Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); VINE SPECIES; Pre-treatment cutting recommended when tall/dense/multi-stem tangles prohibit safe application via FS; Species has thick/waxy leaves, utilize Clean Cut surfactant or equivalent		
plant		Japanese clematis	Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); Pre-treatment cutting recommended when		
plant	Hedera helix	English ivy	tall/dense/multi-stem tangles prohibit safe application via FS; Species has thick/waxy leaves, utilitize Clean Cut surfactant or equivalent Foliar Spray: FS-2 (Glyphosate 3.00%); Pre-Emergent Spray: PE-1 (Prodiamine - See Label Instructions); ANNUAL SPECIES - Must treat before fruit/seed maturation (See phenology		
plant	Humulus japonicus	Japanese hop	guidelines).		
			Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); VINE SPECIES; Pre-treatment cutting		
plant	Wisteria sinensis	Chinese wisteria	recommended when tall/dense/multi-stem tangles prohibit safe application via FS; Species has thick/waxy leaves, utilize Clean Cut surfactant or equivalent		

Taxa	Scientific Name	Common Name	Treatment Options - See NJISST Herbicide Use Suggestions and Mixing Guide for details
			Foliar Spray: FS-1 (Glyphosate 3.75%, Triclopyr Amine 2.50%); Basal Bark: BB-1 (Triclopyr Ester 25% OR Pathfinder II ready-to-use mixture); VINE SPECIES; Pre-treatment cutting
plant	Celastrus orbiculatus	Oriental bittersweet	recommended when tall/dense/multi-stem tangles prohibit safe application via FS.
plant	Lonicera japonica	Japanese honeysuckle	Foliar Spray: FS-2 (Glyphosate 3.00%); Cut Stump: CS-1 (Glyphosate 50%)
plant	Persicaria perfoliata		Foliar Spray: FS-2 (Glyphosate 3.00%); Pre-Emergent Spray: PE-1 (Prodiamine - See Label Instructions); NJDA has released biological control agents that may ultimately provide effective control - additional control measures recommended for new, small populations only; ANNUAL SPECIES - Must treat before fruit/seed maturation (See phenology guidelines).
reptile	Podarcis sicula	Italian Wall Lizard	Requires coordination with NJ Division of Fish & Wildlife
reptile	Trachemys scripta	red-eared slider	Requires coordination with NJ Division of Fish & Wildlife