

Taxa	Scientific Name	Common Name	NJISST APP Category	NJISST Search Grouping	NJISST Species Status	Current Abundance / Distribution Code	NJISST Threat Code	ED/RR Action Code	January February	March Anril	May	June Julv	August Sentember	October	December
bird	Carpodacus mexicanus	house finch	Bird	Terrestrial	Widespread	Widespread	Mild	None		┢╋┝		┢┝┝		╋╋	
bird bird	Cygnus olor Molothrus ater	mute swan brown-headed cowbird	Bird Bird	Freshwater Terrestrial	Emerging Widespread	Stage 2 Widespread	High High	1 None		┢╋┢		┢┼┝	++	++	
bird	Passer domesticus	house sparrow	Bird	Terrestrial	Widespread	Widespread	Mild	None		┢╋┝			╋╋	╈	
bird	Sturnus vulgaris	European starling	Bird	Terrestrial	Widespread	Widespread	Moderate	None		H					
bird		European stannig	Dird	rencoundi	macopicaa	macoprodu	moderate	None							
fish	Channa argus	Northern snakehead	Fish	Freshwater	Widespread	Widespread	High	2	_	₽	₽				
fish	Ctenopharyngodon idella	grass carp	Fish	Freshwater	Widespread	Widespread	High	None		\square			₽	4	
fish	Culaea inconstans	brook stickleback	Fish	Freshwater	Emerging	Stage 2	High	2							
fish	Cyprinus carpio	common carp	Fish	Freshwater	Widespread	Widespread	High	None						T	
fish	Hypophthalmichthys motitnx	silver carp	Fish	Freshwater	Emerging	Stage 0	High	1		Π	Π		Π	Π	
fish	Hypophthalmichthys nobilis	bighead carp	Fish	Freshwater	Emerging	Stage 0	High	1							
fish	Lepomis cyanellus	green sunfish	Fish	Freshwater	Widespread	Widespread	High	None					Ш		
fish	Lepomis gulosus	warmouth	Fish	Freshwater	Emerging	Stage 2	High	2		Ц		Ш	Ш		
fish	Misgurnus anguillicaudatus	oriental weatherfish	Fish	Freshwater	Emerging	Stage 2	High	2				Ш	Ш		
fish	Monopterus albus	Asian swamp eel	Fish	Freshwater	Emerging	Stage 1	High	1		Ш					
fish	Piaractus brachypomus	red-bellied pacu	Fish	Freshwater	Emerging	Stage 0	Moderate	1		\square					
fish	Pterois volitans	lionfish	Fish	Marine	Emerging	Stage 0	High	1		Ш		Ш	Ш		
fish	Neogobius melanostomus	Round Goby	Fish	Freshwater	Emerging	Stage 0	High	1		Ш		Ш	Ш		
fish	Micropterus henshalli	Alabama Bass	Fish	Freshwater	Emerging	Stage 0	High	1				Ш	Ш		
fish	Micropterus punctulatus	Spotted Bass	Fish	Freshwater	Emerging	Stage 0	High	1		\square		Ш	11	4	
fish	Ictalurus furcatus	Blue Catfish	Fish	Marine	Emerging	Stage 0	High	1					44		
fish	Pylodictis olivaris	flathead catfish	Fish	Freshwater	Emerging	Stage 3	High	2		H			Ш		
insect	Adelges tsugae	hemlock woolly adelgid	Invertebrate - Terrestrial Invertebrate -	Terrestrial	Widespread	Widespread	High	3	<u>1</u> A	A				Ш	1 1
insect	Aedes albopictus	Asian tiger mosquito	Terrestrial	Terrestrial	Widespread	Widespread	Moderate	None		H			╨	44	
insect	Agrilus planipennis	emerald ash borer	Invertebrate - Terrestrial Invertebrate -	Terrestrial	Widespread	Widespread	High	3			A	<u> </u>		Ш	
insect	Agrilus sulcicollis	European oak-boring beetle	Terrestrial	Terrestrial	Emerging	Stage 0	High	1		Ш		Ш	Ш	Ш	
insect	Anoplophora glabripennis	Asian longhorned beetle	Invertebrate - Terrestrial	Terrestrial	Emerging	Stage 0	High	1		Ц	A	A A			
insect	Aproceros leucopoda	Elm Zig-zag Sawfly	Invertebrate - Terrestrial	Terrestrial	Emerging	Stage 0	High	1		\square			\downarrow		
insect	Aradus cinnamomeus	pine flat bug	Invertebrate - Terrestrial	Terrestrial	Emerging	Stage 0	High	1							
insect	Dendroctonus frontalis	southern pine beetle	Invertebrate - Terrestrial	Terrestrial	Emerging	Stage 3	High	4				A A / / S S	A / S		

period of flowering period of flowering and fruiting eriod of ripe fruit availability

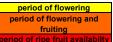
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Taxa Scherubirtic Name Code Code <thcode< th=""> <thcode< th=""> <thcode< th=""></thcode<></thcode<></thcode<>					NJISST	NJISST	Abundance /	NJISST	ED/RR	ary	3 2				ust a	pel	ĔĔ
bind Carpotators medicanus house find Terrestrial Widespread Midia None I <thi< th=""> I<!--</th--><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th>n r</th><th>arc</th><th>ii i</th><th>aγ</th><th>. ≥</th><th>ng</th><th>: 8</th><th>500</th></thi<>										n r	arc	ii i	aγ	. ≥	ng	: 8	500
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insect Lymantria dispar asiatica Asian gypsy moth invertebrate - Terrestrial Emerging Stage 0 High 1 e e e e e e e e e e				Invertebrate -										1/		î	77
insect Lymantria dispar asiatica Asian gypsy moth Terrestrial Emerging Slage 0 High 1 I	insect	Lycorma delicatula	Spotted lanternfly	Terrestrial	Terrestrial	Widespread	Widespread	High	3	EE	ΞE	E	1	Α	AA	ΔE	EE
insect Lymantria dispar asiatica Asian gypsy moth Terrestrial Emerging Slage 0 High 1 I				Invertebrate									Т				
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insect Lymatria dispar ((dispar)) European gypsy moth Terrestrial Terrestrial Widespread Stage 3 High 3 EEE E I I I A A A E EE Phytomyza gymnostoma Allum leaf miner Terrestrial Terrestrial Widespread Widespread High None I I I I I I I I I I I I I I I I I I I	insect	Lymantria monacha	nun moth		Terrestrial	Emerging	Stage 0	Hiah	1	1 .							
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insect Phytomyza gymnostoma Milum leaf miner Terrestrial Terrestrial Widespread Midespread Midespread <th< td=""><td>insect</td><td>Lymatria dispar ((dispar))</td><td>European gypsy moth</td><td>Terrestrial</td><td>Terrestrial</td><td>Widespread</td><td>Stage 3</td><td>High</td><td>3</td><td>EE</td><td>ΕE</td><td>E</td><td>1</td><td>Α</td><td>AA</td><td>ΛE</td><td>ΕΕ</td></th<>	insect	Lymatria dispar ((dispar))	European gypsy moth	Terrestrial	Terrestrial	Widespread	Stage 3	High	3	EE	ΕE	E	1	Α	AA	ΛE	ΕΕ
insect Pyrrhalta viburni Viburnum leaf beetle Terrestrial Terrestrial Terrestrial Ferrestrial European oak bark beetle Terrestrial Emerging Stage 0 High 1 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>T</td><td></td><td></td><td></td><td></td></td<>													T				
insect Pyrhalta viburni Uburnum leaf beetle Terrestrial Terrestrial Widespread High None I <td>insect</td> <td>Phytomyza gymnostoma</td> <td>Allium leaf miner</td> <td></td> <td>Terrestrial</td> <td>Watch</td> <td>Stage 0</td> <td>Moderate</td> <td>None</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	insect	Phytomyza gymnostoma	Allium leaf miner		Terrestrial	Watch	Stage 0	Moderate	None								
insect Scolytus intricatus European oak bark beetle Terrestrial Terrestrial Terrestrial Moderale S.										1 .							
insect Scolytus intricatus European oak bark beetle Terrestrial Emerging Stage 0 High 1 <td>insect</td> <td>Pyrrhalta viburni</td> <td>Viburnum leaf beetle</td> <td></td> <td>Terrestrial</td> <td>Widespread</td> <td>Widespread</td> <td>High</td> <td>None</td> <td>⊢⊢</td> <td>4</td> <td>\square</td> <td>4</td> <td></td> <td></td> <td>4</td> <td></td>	insect	Pyrrhalta viburni	Viburnum leaf beetle		Terrestrial	Widespread	Widespread	High	None	⊢⊢	4	\square	4			4	
insect Sirex noctilio Sirex woodwasp Terrestrial Terrestrial Watch Stage 0 Moderate 3 A A A A A A A A A A A A A A A A A A	incost	Sachtua intriactua	European oak bark beetle		Torrostrial	Emorging	Store 0	High	1	1 .							
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insect Sirex modulio Sirex modulasp Terrestrial Terrestrial Stage 0 Moderate 3 1 <				Invertebrata													
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insect Solenopsis invicta red imported fire ant Terrestrial Terrestrial Emerging Stage 0 High 1 <th< td=""><td>Insect</td><td></td><td>Silex woodwasp</td><td></td><td>Tenesulai</td><td>watch</td><td>Stage 0</td><td>wouerate</td><td>5</td><td></td><td></td><td></td><td>f</td><td></td><td>Â</td><td></td><td></td></th<>	Insect		Silex woodwasp		Tenesulai	watch	Stage 0	wouerate	5				f		Â		
InsectTetropium fuscumbrown spruce longhorn beetleTerrestrialTerrestrialEmergingStage 0Moderate111 </td <td>insect</td> <td>Solenopsis invicta</td> <td>red imported fire ant</td> <td></td> <td>Terrestrial</td> <td>Emerging</td> <td>Stage 0</td> <td>Hiah</td> <td>1</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	insect	Solenopsis invicta	red imported fire ant		Terrestrial	Emerging	Stage 0	Hiah	1								
Insect Tomicus piniperda larger pine shoot beetle Terrestrial Terrestrial Emerging Stage 2 Moderate 1									-		T		T				
Insect Tomicus piniperda larger pine shoot beetle Terrestrial Terrestrial Emerging Stage 2 Moderate 1	insect	Tetropium fuscum	brown spruce longhorn beetle	Terrestrial	Terrestrial	Emerging	Stage 0	Moderate	1								
insect Vespa crabro European hornet Terrestrial Terres				Invertebrate -							П						
insect Vespa crabro European homet Terrestrial Terrestrial Widespread Widespread Moderate None I	insect	Tomicus piniperda	larger pine shoot beetle	Terrestrial	Terrestrial	Emerging	Stage 2	Moderate	1								
InsectVespa mandariniaAsian giant hornetInvertebrate - TerrestrialTerrestrialEmergingStage 0High11 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>1 .</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>										1 .							
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InsectInvertebrate - TerrestrialTerrestrialEmergingStage 0Moderate111	insect	Xylosandrus germanus	black stem borer		Terrestrial	Watch	Stage 1	Mild	none	1 .							
Invertebrate Anodontoides ferussacianus cylindrical papershell Invertebrate - Freshwater Freshwater Emerging Stage 0 High 1 <td></td> <td>ž ž</td> <td></td> <td>Invertebrate -</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>П</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		ž ž		Invertebrate -							П						
invertebrate Anodontoides ferussacianus cylindrical papershell Freshwater Invertebrate Anodontoides ferussacianus cylindrical papershell Freshwater Preshwater Preshwater Emerging Stage 0 High 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	insect	Cnestus mutilatus	camphor shoot borer	Terrestrial	Terrestrial	Emerging	Stage 0	Moderate	1								
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invertebrate Asian planarian species Terrestrial Terrestrial Widespread High None Invertebrate Invertebrate invertebrate Biplium adventitium Asian planarian species Terrestrial Terrestrial Emerging Stage 2 Moderate None Invertebrate Invertebrate invertebrate Carcinus maenas European green crab Invertebrate - Marine Widespread Widespread Moderate None Invertebrate Invertebrate invertebrate Carcinus maenas European green crab Invertebrate - Terrestrial Widespread Widespread Moderate None Invertebrate Invertebrate invertebrate Dendrobaena octaedra earthworm (Lumbricidae) Terrestrial Terrestrial Widespread Widespread High None Invertebrate Invertebrat																	
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Invertebrate Invertebrate - Terrestrial Terrestrial Emerging Stage 2 Moderate None Invertebrate Invertebrate invertebrate Bipalium adventitium Asian planarian species Invertebrate - Terrestrial Terrestrial Emerging Stage 2 Moderate None Invertebrate Invertebrate Invertebrate - Marine Widespread Widespread Moderate None Invertebrate	in controls note	An anna stada a linnia a la	e enthruseren (Lunchrisisten)		Townstrial	Mideensed	Mideensed	Llink	Nama	1 .							
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Invertebrate - Invert	invertebrate	Dendrobaena octaedra	earthworm (Lumbricidae)		Terrestrial	Widespread	Widespread	High	None								
linvertebrate Eisenia rosea earthworm (Lumbricidae) Terrestrial Widespread Widespread High None High None				Invertebrate -			•	-		П	П	П	T	П		П	
	invertebrate	Eisenia rosea	earthworm (Lumbricidae)	Terrestrial	Terrestrial	Widespread	Widespread	High	None								

period of flowering period of flowering and fruiting eriod of ripe fruit availability

				NJISST	NJISST	Current Abundance /	NJISST	ED/RR	nuary bruary	, L	Τ	Π	Ist	ember ber mber	mber
			NJISST APP	Search	Species	Distribution	Threat	Action	anu	Marc	۳	June	uly	ept ove	ece
Taxa	Scientific Name	Common Name	Category	Grouping	Status	Code	Code	Code	Jar Fe	<u> </u>	∢≥	5	זֿ∢	ñOŻ	à
bird	Carpodacus mexicanus	house finch	Bird	Terrestrial	Widespread	Widespread	Mild	None		╇	+	╇			-
invertebrate	Eriocheir sinensis	Chinese mitten crab	Invertebrate - Marine	Marine	Widespread	Widespread	High	2							
							5			T	T	П	П		
invertebrate	Gonionemus vertens	clinging jellyfish	Invertebrate - Marine	Marine	Emerging	Stage 2	Moderate	None							
			Invertebrate -												
	Haemaphysalis longicornis	East Asian Tick	Terrestrial	Terrestrial	Emerging	Widespread	Moderate			╇	4	+			
Invertebrate	Hemigrapsus sanguineus	Asian shore crab	Invertebrate - Marine Invertebrate -	Marine	Widespread	Widespread	High	None		╇	+	+		+++	-
invertebrate	Lumbricus rubellus	earthworm (Lumbricidae)	Terrestrial	Terrestrial	Widespread	Widespread	High	None							
Inventebrate		earthworn (Edinbricidae)	Invertebrate -	Tenesulai	Widespiead	Widespread	riigii	None		++				+++	
invertebrate	Lumbricus terrestris	earthworm (Lumbricidae)	Terrestrial	Terrestrial	Widespread	Widespread	High	None							
Invertebrate		curumonn (Eunipholado)	Invertebrate -	rencoundi	Wideopredd	Macoprodu	riigii	Home		11			-		
invertebrate	Orconectes obscurus	Allegheny crayfish	Freshwater	Freshwater	Emerging	Stage 2	Moderate	1							
			Invertebrate -							T	T	T	П		
invertebrate	Faxonius rusticus	rusty crayfish	Freshwater	Freshwater	Widespread	Widespread	High	None							
			Invertebrate -												
invertebrate	Faxonius virilis	virile crayfish	Freshwater	Freshwater	Emerging	Stage 1	Moderate	1							
			Invertebrate -			a : 1									
invertebrate	Platydemus manokwari	New Guinea flatworm	Terrestrial	Terrestrial	Emerging	Stage 1	Moderate	None		╇	4	+			
investebrate	Dresemberus slarkii	red augure aroufich	Invertebrate -	Freeburgter	Emonation	Change 2	Madarata	2							
invertebrate mammal	Procambarus clarkii Felis catus	red swamp crawfish feral cats	Freshwater Mammal	Freshwater Terrestrial	Emerging Widespread	Stage 3 Widespread	Moderate High	Z None		┿	+	┿			-
mammal	Myocastor coypus	nutria	Mammal	Terrestrial	Emerging	Stage 0	High	1		++				+++	
manimai		nana	Warnina	renestitai	Emerging	Otage 0	riigii			tt				+++	
mammal	Sus scrofa	pig (feral)	Mammal	Terrestrial	Emerging	Stage 0	High	1							
		p-3 ()	Invertebrate -		<u></u>		, ngri			T	T		T		
mollusk	Cepaea nemoralis	Brown-lipped snail	Freshwater	Terrestrial	Widespread	Widespread	Moderate	None							
			Invertebrate -								T				
mollusk	Cipangopaludina chinensis	Chinese mystery snail	Freshwater	Freshwater	Emerging	Widespread	Moderate	1							
			Invertebrate -												
mollusk	Corbicula fulminea	Asian clam	Freshwater	Freshwater	Widespread	Widespread	High	None		44	4	44		+++	
	Desistante humania		Invertebrate -	E	E	010	1.12 1-								
mollusk	Dreissena bugensis	quagga mussel	Freshwater Invertebrate -	Freshwater	Emerging	Stage 0	High	1		╇	+	+		+++	-
mollusk	Dreissena polymorpha	zebra mussel	Freshwater	Freshwater	Emerging	Stage 0	High	1							
monusk			Invertebrate -	Treshwater	Linerging	Otage 0	riigii			tt	t				-
mollusk	Limax maximus	Leopard slug	Terrestrial	Terrestrial	Widespread	Widespread	High	None							
mollusk	Littorina littorea	European periwinkle	Invertebrate - Marine	Marine	Widespread	Widespread	High	None		T			T		
		· · ·	Invertebrate -									П			
mollusk	Potamopyrgus antipodarum	New Zealand mud snail	Freshwater	Freshwater	Emerging	Stage 1	Moderate	1							
mollusk	Rangia cuneata	Wedge rangia	Invertebrate - Marine	Marine	Widespread	Widespread	High	None							
			Invertebrate -												
mollusk	Sinanodonta woodiana	Chinese pond mussel	Freshwater	Freshwater	Emerging	Stage 0	High	1		44	4	+	+	+ + +	
mollusk	l Ittorbackia imbacillia	Banar pandaha!	Invertebrate -	Freeburgter	Widocress	Widocrass	Link	News							
mollusk pathogen	Utterbackia imbecillis Batrachochytrium dendrobatidis	Paper pondshell chytrid pathogen of frogs	Freshwater Pathogen - Animal	Freshwater Terrestrial	Widespread Watch	Widespread Stage 0	High High	None None		++	+	+	+	+++	
pathogen	Batrachochytrium salamandrivorans	chytrid pathogen of salamanders	Pathogen - Animal Pathogen - Animal	Terrestrial	Watch	Stage 0 Stage 0	High	None		++	+	++	++	╉╋	
patriogen	Baaashoonyaham Salamahanan Volans	onythe pathogen of salahaliders	r aanogon - Animar	renesula	Waton	Clage U	riigii	None			÷				
pathogen	Bretziella fagacearum	oak wilt	Pathogen - Plant	Terrestrial	Watch	Stage 0	High	1					S S	S	
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pathogen	Cronartium ribicola	white pine blister rust	Pathogen - Plant	Terrestrial	Widespread	Widespread	High	3							

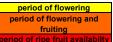
period of flowering period of flowering and fruiting eriod of ripe fruit availability

TaxaScientific NameCommon NameNJISST Abundance / SearchNJISST SearchNJISST SearchNJISST SearchNJISST Abundance / DistributionNJISST Threat Acti CodeCode CodeCode CodeCodeCode Code<			March	April	May			August	September	October	
TaxaScientific NameCommon NameSearch CategorySpecies GroupingDistributionThreat CodeActi CodeDidCarpodacus mexicanushouse finchBirdTerrestrialWidespreadHighNonpathogenNeonectria faginatabeech bark diseasePathogen - PlantTerrestrialWidespreadWidespreadHighNonpathogenOphiostoma ulmiDutch elm diseasePathogen - AnimalTerrestrialWidespreadHighNonpathogenPerkinsus maninusDermo diseasePathogen - AnimalTerrestrialWidespreadHighNonpathogenPhytophthora cinnamomiPhytophthora root rotPathogen - AnimalTerrestrialWidespreadWidespreadHighNonpathogenPseudogymnoascus destructansWhite nose syndromePathogen - PlantTerrestrialWidespreadWidespreadHighNonpathogenPhytophthora cinnamomiPhytophthora root rotPathogen - PlantTerrestrialWidespreadHighNonpathogenPseudogymnoascus destructansWhite nose syndromePathogen - PlantTerrestrialWidespreadH			March	April	May	June			Septem	Octobe	
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plant Acorus calamus American sweetflag Plant - Herb Habitat Widespread Widespread High Non	ne										
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plant Actinidia arguta hardy kiwi Plant - Vine Vine Emerging Stage 0 Mild 1			Ц	Ц	_		L	L	L		╇
plant Aegopodium podagraria goutweed Plant - Herb Forest Emerging Stage 0 Moderate Non	ne			Ц							
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plant Agastache rugosa Korean Hyssop Plant - Herb Habitat Watch Stage 0 Moderate Non	ne			\square	_						
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plant Ailanthus altissima tree-of-heaven Plant - Tree Forest Widespread Widespread High Non	ne		Ц	Ц	4						╇
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plant Akebia quinata chocolate vine Plant - Tree Vine Emerging Stage 2 High 1					<u> </u>					Ш	
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plant Aldrovanda vesiculosa water wheel plant Plant - Herb Habitat Watch Stage 0 Moderate Non	ne		Ц	Ц	┛		L	₽	μ		╇
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plant Alnus glutinosa European black alder Plant - Tree Habitat Emerging Stage 2 High 1							L				
Open Upland			μ	4	-			-	-		
plant Ambrosia psilostachya Western ragweed Plant - Herb Habitat Emerging Stage 0 Mild 1			H	H	T					H	



Pests & Pathogen Phenology: A=adult stage, I=Immature Stage, E=Egg Stage, S=Symptoms Visible

Таха	Scientific Name	Common Name	NJISST APP Category	NJISST Search Grouping	NJISST Species Status	Current Abundance / Distribution Code	NJISST Threat Code	ED/RR Action Code	January	rebruary March	April	May	July	August September	October November	December
bird	Carpodacus mexicanus	house finch	Bird	Terrestrial	Widespread	Widespread	Mild	None								
plant	Ampelopsis glandulosa var. brevipedunculata	porcelain-berry	Plant - Vine	Vine	Widespread	Widespread	High	None	Ш		Ш					
plant	Anthriscus sylvestris	wild chervil	Plant - Herb	Open Wetland Habitat	Widespread	Widespread	High	None								
plant	Aralia elata	Japanese angelica tree	Plant - Tree	Open Upland Habitat	Widespread	Widespread	High	None	Ц		Ц					
				Open Wetland												
plant	Arundo donax	giant reed	Plant - Grass	Habitat	Watch	Stage 0	Moderate	None	H	_	Н	_	⊢	┶┶	╘	
plant	Butomus umbellatus	Flowering Rush	Plant - Grass	Open Wetland Habitat	Watch	Stage 0	High	None								
plant	Elsholtzia ciliata	Vietnamese Balm	Plant - Herb	Open Upland Habitat	Watch	Stage 0	Moderate	None								
plant	Artemisia annua	annual wormwood	Plant - Herb	Open Upland Habitat		Stage 1	Mild	2		Γ			Π			Π
plant	Artemisia stelleriana	oldwoman	Plant - Herb	Open Upland Habitat	Emerging	Stage 0	Moderate	1								
plant	Artemisia vulgaris	mugwort	Plant - Herb	Open Upland Habitat			High	None		Γ		T				П
plant	Arthraxon hispidus	small carpetgrass	Plant - Grass	Open Wetland Habitat	Widespread	Widespread	Moderate						Π			
plant	Arum italicum	Italian arum	Plant - Herb	Forest	Watch	Stage 0	Moderate	None							Π	Π
plant	Belamcanda chinensis	blackberry lily	Plant - Herb	Forest	Watch	Stage 0	Moderate	None	П	Т	П					Т
plant	Berberis julianae	wintergreen barberry	Plant - Shrub	Forest	Watch	Stage 0	Moderate	None	Ц	4	Ц	_	Щ	_		
plant plant	Berberis thunbergii Berberis vulgaris	Japanese barberry common barberry	Plant - Shrub Plant - Shrub	Forest Forest	Widespread Emerging	Widespread Stage 1	High Moderate	None 1	\vdash	_	⊢⊦	4	⊢	_		
piant			Flant - Shirub	Torest	Linerging	Stage 1	Moderate		Ħ	Т	Ħ	T	Π	ľ		F
plant	Broussonetia papyrifera	paper mulberry	Plant - Tree	Forest	Emerging	Stage 0	Moderate	1								
plant	Buddleja davidii	butterflybush	Plant - Shrub	Open Upland Habitat	Emerging	Stage 1	High	1	Π	Γ	I					П
plant	Cabomba caroliniana	Carolina fanwort	Plant - Aquatic	Open Water	Emerging	Stage 2	High	1								
plant	Callitriche stagnalis	European waterstarwort	Plant - Aquatic	Open Water	Emerging	Stage 0	Moderate	1	Ш	Ļ	LL.	┶			Ц	
plant	Cardamine impatiens	narrowleaf bittercress	Plant - Herb	Forest	Widespread	Widespread	High	None								
plant	Carex flacca	blue-green sedge	Plant - Grass	Forest	Watch	Stage 0	Moderate	None	ГŤ	T		T				T
plant	Carex kobomugi	Japanese sedge	Plant - Grass	Open Upland Habitat	Emerging	Stage 1	High	1	Ш		Π					
plant	Carex macrocephala	largehead sedge	Plant - Grass	Open Upland Habitat	Emerging	Stage 2	High	1								
plant	Celastrus orbiculatus	Oriental bittersweet	Plant - Vine	Forest	Widespread	Widespread	High	None	Д	Γ	П	ſ	Ω			
plant	Centaurea stoebe ssp. micranthos	spotted knapweed	Plant - Herb	Open Upland Habitat	Widespread	Widespread	Moderate	None	Ш		Ш			₽		Ш
plant	Cirsium arvense	Canada thistle	Plant - Herb	Open Upland Habitat	Widespread	Widespread	High	None								



Pests & Pathogen Phenology: A=adult stage, I=Immature Stage, E=Egg Stage, S=Symptoms Visible

Taxa	Scientific Name	Common Name	NJISST APP Category	NJISST Search Grouping	NJISST Species Status	Current Abundance / Distribution Code	NJISST Threat Code	ED/RR Action Code	January February	March	May	June	July August	September October	November December
bird	Carpodacus mexicanus	house finch	Bird	Terrestrial	Widespread	Widespread	Mild	None	_		_		_	╙	
plant	Citrus trifoliata	hardy orange	Plant - Shrub	Forest	Emerging	Stage 1	High	1		+				┢	
plant	Clematis flammula	fragrant clematis	Plant - Vine	Vine	Emerging	Stage 0	High	1						Ц	
plant	Clematis terniflora	Japanese clematis	Plant - Vine	Vine	Widespread	Widespread	High	None							
plant	Conium maculatum	poison-hemlock	Plant - Herb	Open Wetland Habitat	Widespread	Widespread	Moderate	None							
plant	Cornus kousa	Kousa dogwood	Plant - Tree	Forest	Emerging	Stage 1	High	1		\mathbf{T}				li i r	
plant	Corydalis incisa	purple keman	Plant - Herb	Forest	Emerging	Stage 0	Moderate	1			T				Ш
plant	Corydalis solida	spring fumewort	Plant - Herb	Forest	Emerging	Stage 0	Moderate	1						H	
plant	Cuscuta japonica	purple stemmed dodder	Plant - Herb	Open Upland Habitat	Watch	Stage 0	Moderate	None							
	0			Open Wetland											
plant	Cyperus difformis Cyrtomium falcatum	variable flatsedge Japanese net-veined holly fern	Plant - Grass Plant - Herb	Habitat Forest	Watch Watch	Stage 0	Moderate Moderate	None None			-		_	╘	
plant	Cynomium laicatum	Japanese net-verned hony tern	Plant - Herb	Open Upland		Stage 0	woderate	None							EE.
plant	Cytisus scoparius	Scotch broom	Plant - Shrub	Habitat	Emerging	Stage 0	High	1							
plant	Deutzia scabra	fuzzy pride-of-Rochester	Plant - Shrub	Forest	Emerging	Stage 1	Moderate	1		11		П			
plant	Didymosphenia geminata	rock snot	Plant - Aquatic	Open Water	Emerging	Stage 0	High	1							
plant	Dioscorea polystachya	Chinese yam	Plant - Vine	Vine	Emerging	Stage 0	Moderate	1	Т	П	Т	Π			
•				Open Wetland							I	Π			Π
plant	Dipsacus fullonum	common teasel	Plant - Herb	Habitat	Widespread	Widespread	High	None							
plant	Dipsacus laciniatus	cutleaf teasel	Plant - Herb	Open Wetland Habitat	Emerging	Stage 1	Moderate	1							
											I	Π		Г	Ш
plant	Egeria densa	Brazilian waterweed	Plant - Aquatic	Open Water	Emerging	Stage 0	High	1	_	⊢		⊢	_	₽	+++
plant	Eichhornia crassipes	common water hyacinth	Plant - Aquatic	Open Water	Emerging	Stage 0	High	1							
				Open Upland								Π			П
plant	Elaeagnus angustifolia	Russian olive	Plant - Shrub	Habitat	Emerging	Stage 0	High	1		$\left \right $		⊢			
plant	Elaeagnus pungens	thorny elaeagnus	Plant - Shrub	Open Upland Habitat	Watch	Stage 0	High	None							Ш
plant	Elaeagnus umbellata	autumn olive	Plant - Shrub	Open Upland Habitat	Widespread	Widespread	High	None							
										IT					
plant	Eleutherococcus sieboldianus	five-leaf aralia	Plant - Shrub	Forest	Emerging	Stage 1	High	1		Ц		Ц			ш
plant	Eragrostis curvula	weeping lovegrass	Plant - Grass	Open Upland Habitat	Emerging	Stage 2	High	1							

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			NJISST APP	NJISST Search	NJISST Species	Current Abundance / Distribution	NJISST Threat	ED/RR Action	January February	ch ch	T	a	ust	tember ober	ember ember
Таха	Scientific Name	Common Name	Category	Grouping	Status	Code	Code	Code	Jan	Marc	1 d V	un,	<u>July</u> Aug	Sept	Vo Ce C
bird	Carpodacus mexicanus	house finch	Bird	Terrestrial	Widespread	Widespread	Mild	None	ΗŤ		Ť	ť	÷	ΪŤ	
	·			Open Upland					П	П	T	Π			
plant	Eriochloa villosa	hairy cup-grass	Plant - Grass	Habitat	Watch	Stage 0	Moderate	None	Ц						
plant	Euonymus alatus	winged burning bush	Plant - Shrub	Forest	Widespread	Widespread	High	None	⊢⊢	++	_				
plant	Euonymus europaeus	European spindletree	Plant - Shrub	Forest	Emerging	Stage 1	Moderate	1	⊢⊢	╉╋	_	╇	-	-	
plant	Euonymus fortunei	winter creeper	Plant - Vine	Vine Open Upland	Emerging	Stage 3	High	1	\square	Ш	_	Ц			
plant	Falcaria vulgaris	Sickleweed	Plant - Herb	Habitat	Emerging	Stage 0	Moderate	1	11						
plant	Fatoua villosa	hairy crabweed	Plant - Herb	Forest	Watch	Stage 0	Moderate		H	++	-	+	H		
June							mouorato		F T				T		
plant	Ficaria verna	lesser celandine	Plant - Herb	Forest	Widespread	Widespread	High	None	11						
				Open Wetland					Π	Π		Π			
plant	Frangula alnus	glossy buckthorn	Plant - Shrub	Habitat	Emerging	Stage 2	High	1	\vdash	++	_	44		┝╋╋	
plant	Hedera helix	English ivy	Plant - Vine	Vine	Widespread	Widespread	High	None	11		1				
piant		Ligistity	Fidilit - Ville	VIIIe	widespread	widespiead	riigii	None	⊢⊢	++	-	+			
				Open Upland					11						
plant	Heracleum mantegazzianum	giant hogweed	Plant - Herb	Habitat	Emerging	Stage 0	Moderate	1	11						
									П	П		П		П	
									11						
plant	Hesperis matronalis	Dame's rocket	Plant - Herb	Forest	Watch	Stage 3	Moderate	None	⊢⊢	+	╇	-			++1
plant	Hippophae rhamnoides	seaberry	Plant - Shrub	Open Upland Habitat	Watch	Stage 0	Moderate	None	11						
plant	Hosta ventricosa	blue plantain lily	Plant - Herb	Forest	Emerging	Stage 1	Moderate		H	++	-	╋			
plant	Houttuynia cordata	chameleon-plant	Plant - Herb	Forest	Watch	Stage 0	Moderate		H	++	-	H			
plant	Humulus japonicus	Japanese hop	Plant - Vine	Vine	Widespread	Widespread	High	None	FT		1	11			
plant	Hyacinthoides hispanica	Hispanic hyacinthoides	Plant - Herb	Forest	Watch	Stage 0	Moderate	None							
				Open Upland							Т				
plant	Hydrangea paniculata	panicled hydrangea	Plant - Shrub	Habitat	Watch	Stage 0	Moderate	None	\square	++		+			
plant	Hydrilla verticillata	hydrilla	Plant - Aquatic	Open Water	Emerging	Stage 1	High	1							
plant		nyumu	Tiant Aquato	open water	Emorging	olugo i	riigii		H	++	-	+			
									11						
plant	Hydrocharis morsus-ranae	European frog-bit	Plant - Aquatic	Open Water	Emerging	Stage 0	High	1	ш						
				Open					11						
				Wetland					11						
plant	Iris pseudacorus	yellow iris	Plant - Herb	Habitat	Widespread	Widespread	High	2	⊢⊢	++	-	+		╞┼┣┛	++
				Open Upland					11						
plant	Kalopanax septemlobus	castor aralia	Plant - Tree	Habitat	Emerging	Stage 0	Moderate	1	11						
June	italopanak ooptomiosao	outor arana	Thank Troo	Open Upland	Lineiging	etage e	moderate		t t	++	-	11	-1-		
plant	Kochia scoparia	bassia scoperia	Plant - Herb	Habitat	Watch	Stage 0	Moderate	None	11				.		
plant	Koelreuteria elegans	golden raintree	Plant - Tree	Forest	Watch	Stage 0	Moderate	None							
				Open Upland					11						
plant	Kolkwitzia amabilis	beautybush	Plant - Shrub	Habitat	Watch	Stage 0	Moderate	None	⊢⊢	┿	4	┛		╘┻┸┦	
plant	Lamiam galeobdolon	yellow archangel	Plant - Herb	Forest	Watch	Stage 0	Moderate	None	\vdash	++	╋	┦	44	┍╇┶	
plant	Lespedeza cuneata	sericea lespedeza	Plant - Herb	Open Upland Habitat	Widespread	Widespread	High	None							
plant	Leucojum aestivum	snowbell	Plant - Herb	Forest	Watch	Stage 0	Moderate		H	++	t	┢		┍╶╢╸┫	
plant	Ligustrum amurense	amur privet	Plant - Shrub	Forest	Watch	Stage 0	Moderate	None	ſŤ	11	Т	П			
plant	Ligustrum obtusifolium	border privet	Plant - Shrub	Forest	Widespread	Widespread	High	None	\Box	П	1	Π			
plant	Ligustrum ovalifolium	California privet	Plant - Shrub	Forest	Emerging	Stage 1	Moderate	1	II.						

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Таха	Scientific Name	Common Name	NJISST APP Category	NJISST Search Grouping	NJISST Species Status	Current Abundance / Distribution Code	NJISST Threat Code	Action Code	February	March April	May	July	August September	October November	December
bird	Carpodacus mexicanus	house finch	Bird	Terrestrial	Widespread	Widespread	Mild	None							
plant	Ligustrum vulgare	European privet	Plant - Shrub	Forest	Widespread	Widespread	High	None							
				Open Upland											11
plant	Lonicera caprifolium	Italian woodbine	Plant - Vine	Habitat	Emerging	Stage 0	Moderate	1					⊢⊢		
plant	Lonicera fragrantissima	sweet breath of spring	Plant - Shrub	Forest	Emerging	Stage 0	Moderate	1		_			⊢⊢	┢┙┝╵	Н
plant	Lonicera japonica	Japanese honeysuckle	Plant - Vine	Forest	Widespread	Widespread	High	None							
plant	Lonicera maackii	Amur honeysuckle	Plant - Shrub	Forest	Widespread	Widespread	High	None							
plant	Lonicera morrowii	Morrow's honeysuckle	Plant - Shrub	Forest	Widespread	Widespread	High	None					L		
plant	Lonicera standishii	Standish's honeysuckle	Plant - Shrub	Forest	Emerging	Stage 1	High	1							
plant	Lonicera tatarica	Tatarian honeysuckle	Plant - Shrub	Forest	Widespread	Widespread	High	None		_			LL		
plant	Ludwigia peploides ((ssp. glabrescens))	creeping waterprimrose	Plant - Aquatic	Open Water Open Upland	Emerging	Stage 3	High	2				╝			
plant	Silene flos-cuculi	ragged robin	Plant - Herb	Habitat	Emerging	Stage 0	Moderate	1							11
plant	Lysimachia nummularia	creeping yellow loosestrife	Plant - Herb	Open Wetland Habitat Open	Widespread		High	None				Į			
				Wetland											
plant	Lythrum salicaria	purple loosestrife	Plant - Herb	Habitat	Widespread		Moderate	None		_		_			–
plant	Magnolia kobus	Kobus magnolia	Plant - Tree	Forest	Watch	Stage 0	Moderate	None				┶┶┙		4	H
plant	Mahonia bealei	Beale's barberry	Plant - Shrub	Forest	Emerging	Stage 0	Moderate	1			Г				Н
plant	Malus toringo	Japanese crabapple	Plant - Tree	Forest	Emerging	Stage 3	High	2	+			┢			Н
plant	Marsilea quadrifolia	European waterclover	Plant - Aquatic	Open Water	Emerging	Stage 1	Mild	1							
plant	Microstegium vimineum	Japanese stiltgrass	Plant - Grass	Forest	Widespread	Widespread	High	None				╜	┟┨┛		Ц
plant	Miscanthus sinensis	Chinese silvergrass	Plant - Grass	Open Upland Habitat	Emerging	Stage 2	High	1					Ш		Ш
plant	Morus australis	Chinese mulberry	Plant - Tree	Open Upland Habitat Open	Watch	Stage 0	Moderate	None							
plant	Murdannia keisak	marsh dayflower	Plant - Herb	Wetland Habitat	Emerging	Stage 2	Moderate	None							
plant	Pachysandra terminalis	Japanese pachysandra	Plant - Herb	Forest	Watch	Stage 0	Moderate	None	T		Π				
plant	Myosoton aquaticum	giant chickweed	Plant - Aquatic	Open Water	Emerging	Stage 2	High	1							
plant	Myriophyllum aquaticum	parrotfeather	Plant - Aquatic	Open Water	Emerging	Stage 1	High	1	\parallel	╞		┦	╟╟		
plant	Myriophyllum spicatum	Eurasian water-milfoil	Plant - Aquatic	Open Water	Widespread	Widespread	High	None			Ц		Ш	Ш	Ш
plant	Najas minor	brittleleaf naiad	Plant - Aquatic	Open Water	Emerging	Stage 3	High	2							

period of flowering period of flowering and fruiting eriod of ripe fruit availability

Taxa bird	Scientific Name	Common Name	NJISST APP Category Bird	NJISST Search Grouping Terrestrial	NJISST Species Status Widespread	Current Abundance / Distribution Code Widespread	NJISST Threat Code Mild	ED/RR Action Code None	January February	March	May	June	August	October	December
bird			Dira	Terresulai	widespiead	widespiead	Wild	None	T	T	Т		Ħ		
plant	Nasturtium officinale	watercress	Plant - Aquatic	Open Water	Widespread	Widespread	High	None		₽			Ц		Ц
plant	Nitellopsis obtusa	starry stonewort	Plant - Aquatic	Open Water	Emerging	Stage 0	High	1		∐			Ц		Ц
plant	Nymphoides peltata	vellow floating heart	Plant - Aquatic	Open Water	Emerging	Stage 0	High	1					Π		
plant	Oenanthe javanica	Java dropwort	Plant - Herb	Open Water	Emerging	Stage 0	Moderate	1					D		
plant	Oplismenus undulatifolius	wavyleaf basketgrass	Plant - Grass	Forest	Emerging	Stage 0	High	1		Ш			П		
plant	Osmanthus heterophyllus	holly osmanthus	Plant - Shrub	Open Upland Habitat	Watch	Stage 0	Moderate	None		Ш	\downarrow	┛	Ш		
plant	Parthenocissus tricuspidata	Boston ivy	Plant - Vine	Vine	Emerging	Stage 1	High	1							
plant	Paulownia tomentosa	princesstree	Plant - Tree	Open Upland Habitat	Widespread	Widespread	Moderate	None		Π					
plant	Cenchrus setaceus	black fountain grass	Plant - Grass	Open Upland Habitat	Watch	Stage 0	Moderate	None		Ш			Ц	Ц	
plant	Cenchrus purpurescens	black fountain grass	Plant - Grass	Open Upland Habitat Open	Watch	Stage 0	Moderate	None		Ш	\downarrow	┛	Ц	Ц	
				Wetland									П		
plant	Perilla frutescens	beefsteakplant	Plant - Herb	Habitat	Emerging	Stage 2	Mild	1		₩	╄		4	_	44
plant	Persicaria orientalis	kiss me over the garden gate	Plant - Herb	Vine	Emerging	Stage 0	Moderate	1	-	┢┼	+	+	H		-
plant	Persicaria perfoliata	mile-a-minute vine	Plant - Vine	Vine Open	Widespread	Widespread	High	None	_	⊢⊢	┶	┸		4	
plant	Phalaris arundinacea	reed canarygrass	Plant - Grass	Wetland Habitat	Widespread	Widespread	High	None							
				Open Wetland						Π	Π			Т	
plant	Phalaris canariensis	canarygrass	Plant - Grass	Habitat	Emerging	Stage 2	High	1		Ш			Ц	Ш	Ш
plant	Phellodendron amurense	Amur corktree	Plant - Tree	Forest	Emerging	Stage 1	Moderate	1							
plant	Photinia villosa	Oriental photinia	Plant - Shrub	Forest	Widespread	Widespread	High	None							
				Open Wetland						П	П	Т			П
plant	Phragmites australis	common reed	Plant - Grass	Habitat	Widespread	Widespread	High	None		₽	╢	+	4	╉	+
plant	Pistia stratiotes	water lettuce	Plant - Aquatic	Open Water	Emerging	Stage 0	Mild	1		Ш			Ц		
plant	Fallopia baldschuanica	Chinese fleeceflower	Plant - Vine	Open Upland Habitat	Emerging	Stage 0	High	1		Щ	Ш	⊥			Ш
plant	Populus alba	white poplar	Plant - Tree	Open Upland Habitat	Emerging	Stage 0	Moderate	1					$\ $		
plant	Populus x canescens	gray poplar	Plant - Tree	Open Upland Habitat		Stage 1	Moderate	1					Π		\prod

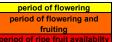


Taxa	Scientific Name	Common Name	NJISST APP Category	NJISST Search Grouping	NJISST Species Status	Current Abundance / Distribution Code	NJISST Threat Code	ED/RR Action Code	January Fehriiary	March	April	May June	July	September	October November December	
bird	Carpodacus mexicanus	house finch	Bird	Terrestrial	Widespread	Widespread	Mild	None		П		۲	۲	н		
plant	Potamogeton crispus	curly-leaved pondweed	Plant - Aquatic	Open Water	Widespread	Widespread	High	None	_	┦┦	H	╇	╘	H	┩┼┦┦	
plant	Prunus avium	sweet cherry	Plant - Tree	Forest	Widespread	Widespread	Moderate	None								
											1					
plant	Prunus subhirtella var. pendula	weeping Higan cherry	Plant - Tree	Forest	Emerging	Stage 2	High	1		Ш	Ц	╇	╨	┶	┛╢	
plant	Pueraria montana var. lobata	kudzu	Plant - Vine	Vine	Emerging	Stage 1	High	1			Ш					
plant	Pyrus betulifolia	birchleaf pear	Plant - Tree	Open Upland Habitat	Watch	Stage 0	High	None								
				Onen Unland						T	Π		Π			
plant	Pyrus calleryana	Callery pear (Bradford pear)	Plant - Tree	Open Upland Habitat	Widespread	Widespread	High	None			i					
plant	Ranunculus repens	creeping buttercup	Plant - Herb	Forest	Watch	Stage 3	Moderate									
plant	Reynoutria japonica	Japanese knotweed	Plant - Herb	Open Wetland Habitat	Widespread	Widespread	High	None								
plant	Reynoutria sachalinensis	giant knotweed	Plant - Herb	Open Wetland Habitat	Widespread	Widespread	High	None								
plant	Reynoutria x bohemica	Bohemian knotwed	Plant - Herb	Open Wetland Habitat	Widespread	Widespread	High	None								
											i I					
plant	Rhamnus cathartica	European buckthorn	Plant - Shrub	Forest	Emerging	Stage 3	High	2		\square			Ц			
plant	Rhamnus davurica	Dahurian buckthorn	Plant - Shrub	Forest	Emerging	Stage 0	High	1			Ц					
plant	Rhamnus utilis	Chinese buckthorn	Plant - Shrub	Forest	Emerging	Stage 0	High	None			Ц					
plant plant	Rhodotypos scandens Ribes rubrum	jetbead garden red current	Plant - Shrub Plant - Shrub	Forest Forest	Emerging Emerging	Stage 3 Stage 1	High Moderate	1		+	⊢⊦	+	╘┷			
plant	Saccharum ravennae	hardy pampas grass	Plant - Grass	Open Upland Habitat	Watch	Stage 0	Moderate				ſ					
plant	Rosa canina	dog rose	Plant - Shrub	Open Upland Habitat	Emerging	Stage 1	Moderate	1								
plant	Rosa multiflora	multiflora rose	Plant - Shrub	Forest	Widespread	Widespread	High	None			\square	T				
plant	Rosa rugosa	seaside rose	Plant - Shrub	Open Upland Habitat Open Upland	Emerging	Stage 2	High	1			μ	╇	Ц	Ц	┶┷┙	
plant	Rosa lucieae	memorial rose	Plant - Shrub	Habitat	Watch	Stage 0	Moderate	None			\square					
plant	Rubus armeniacus	Himalaya blackberry	Plant - Shrub	Open Upland Habitat Open Upland	Emerging	Stage 0	Moderate	1		\square	Д	F				
plant	Rubus laciniatus	cutleaf blackberry	Plant - Shrub	Habitat	Emerging	Stage 2	High	1		\square	Ц					
plant	Rubus parvifolius	Western thimbleberry	Plant - Shrub	Open Upland Habitat	Emerging	Stage 0	Moderate	1			Ш					

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				NUIDOT	NUCOT	Current	NUR	50/00		2		Π	Π.	ber	ber	Der
			NJISST APP	NJISST Search	NJISST Species	Abundance / Distribution	NJISST Threat	ED/RR Action	January	February March			SI I	ten	eme	ett
Таха	Scientific Name	Common Name	Category	Grouping	Status	Code	Code	Code	an	lar	-pr	<u>June</u>	ln oil	Septe		e
bird	Carpodacus mexicanus	house finch	Bird	Terrestrial	Widespread	Widespread	Mild	None	P	╧╋╧	Ĥ	<u> </u>	PP		44	4
plant	Rubus phoenicolasius	wine raspberry	Plant - Shrub	Forest	Widespread	Widespread	High	None		-	t t			TT	TT	-
piant		inter accounty		Open	macoprodu	macoprodu	g.		Ħ	T			m	++	++	
				Wetland									11			
plant	Salix atrocinerea	large gray willow	Plant - Shrub	Habitat	Emerging	Stage 2	High	1								
				Open									í T			
				Wetland									11			
plant	Salix cinerea	gray willow	Plant - Shrub	Habitat	Emerging	Stage 2	High	1		_			\vdash	┿	++	_
													11			
plant	Salix matsudana	Chinese willow	Plant - Tree	Forest	Watch	Stage 0	Moderate	None					11			
plant	Salvia glutinosa	Jupiter's distaff	Plant - Herb	Forest	Watch	Stage 0	Moderate			_		-	H			-
P				Open Upland						-	11	+	H			
plant	Salsola tragus	tumbleweed	Plant - Herb	Habitat	Watch	Stage 0	Moderate	None					11			
plant	Scilla siberica	squill	Plant - Herb	Forest	Watch	Stage 0	Mild	None								
plant	Spiraea japonica	Japanese spiraea	Plant - Shrub	Forest	Emerging	Stage 0	High	1								
													11			
plant	Stratiotes aloides	water soldier	Plant - Aquatic	Open Water	Emerging	Stage 0	High	1					Ц.		┶┷	_
plant	Styrax japonicus	Japanese snowbell	Plant - Shrub	Forest	Emerging	Stage 0	Moderate	1			┝		μ			_
plant	Symplocos paniculata	sapphire berry	Plant - Shrub	Forest	Emerging	Stage 1	High	1		_	┢╋		⊢⊢	-	44	
plant	Tanacetum vulgare	common tansy	Plant - Herb	Open Upland Habitat	Watch	Stage 0	Moderate	None					11			
μιαπ		Continion tansy	Flaint - Helb	Παριται	watch	Stage 0	wouerate	None		-			H			٩.
													i I.			
													i I.			
plant	Trapa natans	European water chestnut	Plant - Aquatic	Open Water	Widespread	Widespread	High	None					i I.			
		·									T T		f T			
													1			
plant	Ulmus parvifolia	Chinese elm	Plant - Tree	Forest	Emerging	Stage 0	High	1				┛	\bot			_
													11			
nlant		En aliah alm	Diant Tree	Faraat	Emoratina	Stars 0	Lline	1					11			
plant	Ulmus procera	English elm	Plant - Tree	Forest	Emerging	Stage 0	High	1		-	┢╋	┛	┢┼┝	++	++	-
													11			
plant	Ulmus pumila	Siberian elm	Plant - Tree	Forest	Emerging	Stage 2	High	1					11			
					5 5	J J				Т	П		t tr	رزول		
													1			
plant	Viburnum dilatatum	linden viburnum	Plant - Shrub	Forest	Widespread	Widespread	High	None					ப			
plant	Viburnum lantana	wayfaringtree	Plant - Shrub	Forest	Emerging	Stage 0	High	1		_	⊢₽			.	╺┹╼┹┢	_
				Open Upland												
plant	Viburnum opulus	Guelder-rose	Plant - Shrub	Habitat	Emerging	Stage 1	High	1								
Plan						etage /	.	· ·	H	╇	┢╋	╺╋┛	H	-		4
				1					11				11			
plant	Viburnum plicatum	Japanese snowball	Plant - Shrub	Forest	Emerging	Stage 1	High	1					11			
									Π	Т	Π		П		TT	1
				1					11				11			
plant	Viburnum setigerum	tea viburnum	Plant - Shrub	Forest	Emerging	Stage 1	High	1	Ц	T	Ц	┛┚	\square		╨	
i i	1								11		Π		11			
) (ib	Qiahadalla amanana d	Diant Ohi I	Errord	F arrier	01	1.12		11				11			
plant	Viburnum sieboldii	Siebold's arrowwood	Plant - Shrub	Forest	Emerging	Stage 3	High	2	11				11		11	

2023 Invasive Species List [Sorted by Taxa, followed by Scientific Name] Includes Strike Team Target & Watch Species along with all Widespread Invasive Species in New Jersey



Таха	Scientific Name	Common Name	NJISST APP Category	NJISST Search Grouping	NJISST Species Status	Current Abundance / Distribution Code	NJISST Threat Code	ED/RR Action Code	January February	March	May	June	July August	September	October November December
bird	Carpodacus mexicanus	house finch	Bird	Terrestrial	Widespread	Widespread	Mild	None							
plant	Vincetoxicum nigrum	black swallowwort	Plant - Vine	Vine	Emerging	Stage 1	High	1							
plant	Vincetoxicum rossicum	pale swallowwort	Plant - Vine	Vine	Emerging	Stage 1	High	1							
plant	Wisteria floribunda	Japanese wisteria	Plant - Vine	Vine	Emerging	Stage 2	High	1							
plant	Wisteria sinensis	Chinese wisteria	Plant - Vine	Vine	Emerging	Stage 3	High	2							
plant	Zelkova serrata	Japanese zelkova	Plant - Tree	Forest	Emerging	Stage 0	High	1							
reptile	Podarcis siculus	Italian Wall Lizard	Reptile	Terrestrial	Emerging		Moderate	1							
reptile	Trachemys scripta elegans	red-eared slider	Reptile	Freshwater	Widespread	Widespread	Mild	None							

			Plant Treatment Options - See Strike Team Herbicide Use Suggestions and Mixing Guide for details.
			Utilize phenology for control guidance timelines - this is particularly critical for annual and biennial
			plants. For pests and pathogens - Contact a Licensed Pesticide Applicator and follow the label for
Гаха	Scientific Name	Common Name	timing of application, rates, and restrictions.
ird	Carpodacus mexicanus	house finch	None recommended
ird	Cygnus olor	mute swan	Requires coordination with NJ Division of Fish & Wildlife
ird	Molothrus ater	brown-headed cowbird	None recommended
ird	Passer domesticus	house sparrow	None recommended
ird	Sturnus vulgaris	European starling	None recommended
sh	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.
sh	Ctenopharyngodon idella	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 Fisheries.
			Considered "Potentially Dangerous Fish" by NJ Division of Fish & Wildlife. Anglers required to destroy and
sh	Culaea inconstans	brook stickleback	report any captured individuals to the Fish and Wildlife Bureau of Freshwater Fisheries.
sh	Cyprinus carpio	common carp	If detected, please contact the NJ Division of Fish & Wildlife
			Considered "Potentially Dangerous Fish" by NJ Division of Fish & Wildlife. Anglers required to destroy and
sh	Hypophthalmichthys motitnx	silver carp	report any captured individuals to the Fish and Wildlife Bureau of Freshwater Fisheries.
			Considered "Potentially Dangerous Fish" by NJ Division of Fish & Wildlife. Anglers required to destroy and
sh	Hypophthalmichthys nobilis	bighead carp	report any captured individuals to the Fish and Wildlife Bureau of Freshwater Fisheries.
			Considered "Potentially Dangerous Fish" by NJ Division of Fish & Wildlife. Anglers required to destroy and
sh	Lepomis cyanellus	green sunfish	report any captured individuals to the Fish and Wildlife Bureau of Freshwater Fisheries.
			Considered "Potentially Dangerous Fish" by NJ Division of Fish & Wildlife. Anglers required to destroy and
sh	Lepomis gulosus	warmouth	report any captured individuals to the Fish and Wildlife Bureau of Freshwater Fisheries.
			Considered "Potentially Dangerous Fish" by NJ Division of Fish & Wildlife. Anglers required to destroy and
sh	Misgurnus anguillicaudatus	oriental weatherfish	report any captured individuals to the Fish and Wildlife Bureau of Freshwater Fisheries.
	·····g-·····g-·····		Considered "Potentially Dangerous Fish" by NJ Division of Fish & Wildlife. Anglers required to destroy and
sh	Monopterus albus	Asian swamp eel	report any captured individuals to the Fish and Wildlife Bureau of Freshwater Fisheries.
sh	Piaractus brachypomus	red-bellied pacu	If detected, contact NJ Division of Fish & Wildlife
011	Thataotas Braonyponias		If detected, contact NJ Division of Fish & Wildlife. WARNING: Avoid touching this species because it has a
sh	Pterois volitans	lionfish	venomous spines.
011		lioniion	Considered "Potentially Dangerous Fish" by NJ Division of Fish & Wildlife. Anglers required to destroy and
sh	Neogobius melanostomus	Round Goby	report any captured individuals to the Fish and Wildlife Bureau of Freshwater Fisheries.
011	Neogobius meianostomus	Round Coby	Considered "Potentially Dangerous Fish" by NJ Division of Fish & Wildlife. Anglers required to destroy and
sh	Micropterus henshalli	Alabama Bass	report any captured individuals to the Fish and Wildlife Bureau of Freshwater Fisheries.
311	Micropierus riensnam	Alabama bass	Considered "Potentially Dangerous Fish" by NJ Division of Fish & Wildlife. Anglers required to destroy and
sh	Micropterus punctulatus	Spotted Bass	report any captured individuals to the Fish and Wildlife Bureau of Freshwater Fisheries.
511	Micropterus purictulatus	Opolled Bass	Considered "Potentially Dangerous Fish" by NJ Division of Fish & Wildlife. Anglers required to destroy and
sh	latelurue furgetue	Blue Catfish	report any captured individuals to the Fish and Wildlife Bureau of Freshwater Fisheries.
511	Ictalurus furcatus	Blue Callisii	Considered "Potentially Dangerous Fish" by NJ Division of Fish & Wildlife. Anglers required to destroy and
sh	Pylodictis olivaris	flathead catfish	report any captured individuals to the Fish and Wildlife Bureau of Freshwater Fisheries.
311		natilead eatilish	Pesticide treatments are available to protect trees from HWA infestations, however, HWA populations have
			been so low the last few years that pesticide treatments have not been necessary. Biological controls have
sect	Adelges tsugae	hemlock woolly adelgid	been released and are currently being monitored for establishment and efficacy.
13001	Adeiges isugae	Termoek woony adeigid	been receased and are currently being monitored for establishment and emeacy.
nsect	Aedes albopictus	Asian tiger mosquito	Requires coordination with county Mosquito Control Commissions
13601	Aedes albopicius	Asian tiger mosquito	Pesticide treatments to protect trees from EAB infestation available. Contact a licensed pesticide applicator.
			Biological control releases administered by NJ Department of Agriculture. Visit www.emeraldashborer.nj.gov
nsect	Agrilus planipennis	emerald ash borer	for more information on EAB in NJ.
15001	Agrilus planipennis	emerald ash borei	
	Agrilue euleisellie	European cels hering heatle	If detected, contact NL Dependences of Assisulture
nsect	Agrilus sulcicollis	European oak-boring beetle	If detected, contact NJ Department of Agriculture
nant	Anonlonhoro glabrinonnia	Asian langharmod bastle	If detected, contact NL Department of Agriculture
nsect	Anoplophora glabripennis	Asian longhorned beetle	If detected, contact NJ Department of Agriculture
agent	Aproceros leucopoda	Elm Zig-zag Sawfly	If detected, contact NJ Department of Agriculture
nsect		EIIII ZIY-ZAY SAWIIY	
nsect	Aradus cinnamomeus	pipe flat bug	If detected, contact NJ Department of Agriculture
isect		pine flat bug	During times of SPB outbreak populations, infested trees and a buffer of uninfested trees should be felled. To
			prevent SPB outbreak populations, pine stands should be managed to reduce overcrowding and removing
	Dendrostenus frt-!!-	antikana nin - III-	stressed or suppressed pine trees, which can harbor SPB. SPB is a native insect and is most commonly found
isect	Dendroctonus frontalis	southern pine beetle	in the southern part of the state.

			Plant Treatment Options - See Strike Team Herbicide Use Suggestions and Mixing Guide for details.
			Utilize phenology for control guidance timelines - this is particularly critical for annual and biennial
			plants. For pests and pathogens - Contact a Licensed Pesticide Applicator and follow the label for
Таха	Scientific Name	Common Name	timing of application, rates, and restrictions.
bird	Carpodacus mexicanus	house finch	None recommended
insect	Lilioceris lilii	lily leaf beetles	If detected, contact NJ Department of Agriculture
insect	Lipoptena cervi	deer keds	If detected, contact NJ Department of Agriculture
Insect		deer keus	Prevent the movement of all SLF lifestages by inspecting vehicles and items that are stored outdoors, and
			removing and destroying SLF. NJDA and USDA are conducting Ailanthus treatments and removals in high
insect	Lycorma delicatula	Spotted lanternfly	priority areas.
insect	Lymantria dispar asiatica	Asian gypsy moth	If detected, contact NJ Department of Agriculture
insect	Lymantria monacha	nun moth	If detected, contact NJ Department of Agriculture
moool	Lymanina monacha		Populations monitored annually. Biological controls help maintain low populations, but when populations reach
insect	Lymatria dispar ((dispar))	European gypsy moth	high levels, suppression program is implemented. Low gypsy moth egg mass counts in 2019 suggest low gypsy moth populations in 2020.
insect	Phytomyza gymnostoma	Allium leaf miner	If detected, contact NJ Department of Agriculture
insect	Pvrrhalta viburni	Viburnum leaf beetle	If detected, contact NJ Department of Agriculture
insect	Scolytus intricatus	European oak bark beetle	If detected, contact NJ Department of Agriculture Not yet detected in NJ. Biological controls and infested host material removal are implemented where
			populations are found. Sirex prefers stressed or suppressed pine trees, so maintaining healthy, vigorous pine
insect	Sirex noctilio	Sirex woodwasp	stands can prevent Sirex population outbreaks. If detected, email NJFS at foresthealth@dep.nj.gov
insect	Solenopsis invicta	red imported fire ant	If detected, contact NJ Department of Agriculture
insect	Tetropium fuscum	brown spruce longhorn beetle	If detected, contact NJ Department of Agriculture
insect	Tomicus piniperda	larger pine shoot beetle	If detected, contact NJ Department of Agriculture
insect	Vespa crabro	European hornet	None recommended
insect	Vespa mandarinia	Asian giant hornet	If detected, contact NJ Department of Agriculture
	Voopumanaanna	/ local glant normet	If detected, contact NJ Department of Agriculture. Populations most commonly found among lanscape and
insect	Xylosandrus crassiusculus	granulate ambrosia beetle	nursery trees, but can be found to a lesser extent in forested areas. Treatment options limited because the insect primarily feeds on a fungus within the heartwood of the host tree.
IIISECI		granulate ambrosia beette	Populations most commonly found among lanscape and nursery trees, but can be found to a lesser extent in
			forested areas. Treatment options limited because the insect primarily feeds on a fungus within the heartwood
insect	Xylosandrus germanus	black stem borer	of the host tree.
insect	Cnestus mutilatus	camphor shoot borer	If detected, contact NJ Department of Agriculture
invertebra	te Anodontoides ferussacianus	cylindrical papershell	If detected, contact NJ Division of Fish & Wildlife
			Do not move soil from areas with crazy worm populations to prevent the spread to new areas. No effective
invertebra	te Amynthas agrestis	crazy worms	treatments available at this time.
invertebra	te Aporrectodea limicola	earthworm (Lumbricidae)	None recommended
invertebra	te Bipalium adventitium	Asian planarian species	None recommended
invertebra	te Carcinus maenas	European green crab	None recommended
invertebra	te Dendrobaena octaedra	earthworm (Lumbricidae)	None recommended
invertek	to Financia reaso	e enthuigener (Lungheiside -)	None recommended
invertebra	te Eisenia rosea	earthworm (Lumbricidae)	None recommended

			Plant Treatment Options - See Strike Team Herbicide Use Suggestions and Mixing Guide for details.
			Utilize phenology for control guidance timelines - this is particularly critical for annual and biennial
			plants. For pests and pathogens - Contact a Licensed Pesticide Applicator and follow the label for
Таха	Scientific Name	Common Name	timing of application, rates, and restrictions.
bird	Carpodacus mexicanus	house finch	None recommended
bird			If detected, contact NJ Division of Fish & Wildlife. The Smithsonian Environmental Research Center advocates
			not releasing it alive, photographing it, preserving it (frozen or in alcohol), and reporting it to them at
invortobrata	Eriocheir sinensis	Chinese mitten crab	https://mittencrab.nisbase.org
Invertebrate	Enocheir sinensis	Chinese millen crab	
	O	a the action of the United States	If detected, contact NJ Division of Fish & Wildlife. WARNING: Avoid touching this species because it has a
Invertebrate	Gonionemus vertens	clinging jellyfish	potent sting.
	Haemaphysalis longicornis	East Asian Tick	If detected, contact NJ Division of Fish & Wildlife
invertebrate	Hemigrapsus sanguineus	Asian shore crab	None recommended
invertebrate	Lumbricus rubellus	earthworm (Lumbricidae)	None recommended
invertebrate	Lumbricus terrestris	earthworm (Lumbricidae)	None recommended
invertebrate	Orconectes obscurus	Allegheny crayfish	If detected, contact NJ Division of Fish & Wildlife
invertebrate	Faxonius rusticus	rusty crayfish	None recommended
invertebrate	Faxonius virilis	virile crayfish	If detected, contact NJ Division of Fish & Wildlife
invertebrate	Platydemus manokwari	New Guinea flatworm	None recommended
intertestate			
invertebrate	Procambarus clarkii	red swamp crawfish	If detected, contact NJ Division of Fish & Wildlife
mammal	Felis catus	feral cats	Requires coordination with NJ Division of Fish & Wildlife
mammal	Myocastor coypus	nutria	If detected, contact NJ Division of Fish & Wildlife
mariinai	Myocastor coypus	nutha	Change? Unrestricted harvesting allowed during deer hunting seasons in Deer Management Zones 25 & 65.
mannal	Cue estate	nin (faral)	Harvested individuals must be checked by appointment with the Division's Southern Regional Office.
mammal	Sus scrofa	pig (feral)	harvested individuals must be checked by appointment, with the Division's Southern Regional Onice.
	0	Descending and an ail	News measured at
mollusk	Cepaea nemoralis	Brown-lipped snail	None recommended
mollusk	Cipangopaludina chinensis	Chinese mystery snail	If detected, contact NJ Division of Fish & Wildlife
mollusk	Corbicula fulminea	Asian clam	None recommended
mollusk	Dreissena bugensis	quagga mussel	If detected, contact NJ Division of Fish & Wildlife; Zequanox is highly selective for Dreissena species
mollusk	Dreissena polymorpha	zebra mussel	If detected, contact NJ Division of Fish & Wildlife; Zequanox is highly selective for Dreissena species
mollusk	Limax maximus	Leopard slug	None recommended
mollusk	Littorina littorea	European periwinkle	None recommended
mollusk	Potamopyrgus antipodarum	New Zealand mud snail	If detected, contact NJ Division of Fish & Wildlife
mollusk	Rangia cuneata	Wedge rangia	None recommended
mollusk	Sinanodonta woodiana	Chinese pond mussel	If detected, contact NJ Division of Fish & Wildlife
		'	
mollusk	Utterbackia imbecillis	Paper pondshell	None recommended
pathogen	Batrachochytrium dendrobatidis	chytrid pathogen of frogs	If detected, contact NJ Division of Fish & Wildlife
pathogen	Batrachochytrium salamandrivorans	chytrid pathogen of salamanders	If detected, contact NJ Division of Fish & Wildlife
			Oak wilt symptoms usually start in July. Common look-a-like is BLS. Diagnostic testing necessary to confirm oak
			wilt. Oak wilt is spread by picnic beetles and through underground root grafts. Oak wilt treatments include
			removal of infected trees and adjacent oak trees. Root cutting may also be necessary to prevent the movement
			of oak wilt via root grafts. If detected, email NJFS at foresthealth@dep.ni.gov, or contact the NJ Department of
nothorse	Protzielle fegeogerum	ook wilt	
pathogen	Bretziella fagacearum	oak wilt	Agriculture
n ath a cross	Crenertium ribieste	udaita aina bliatat	Removal of the alternate host Ribes species can prevent the establishement of WPBR in white pine trees.
pathogen	Cronartium ribicola	white pine blister rust	Permits from the NJ Department of Agriculture are required prior to the planting of Ribes species.

			Plant Treatment Options - See Strike Team Herbicide Use Suggestions and Mixing Guide for details.
			Utilize phenology for control guidance timelines - this is particularly critical for annual and biennial
			plants. For pests and pathogens - Contact a Licensed Pesticide Applicator and follow the label for
Таха	Scientific Name	Common Name	timing of application, rates, and restrictions.
bird	Carpodacus mexicanus	house finch	None recommended
bird	Carpodacus mexicanus	nouse linch	
	Crymbon actric neresities	abaatsut blight as aankas	None recommended. Very few American chestnut trees remain in the state, most are stump sprouts. Efforts to
pathogen	Cryphonectria parasitica	chestnut blight or canker	develop chestnut blight resistant American chestnut trees continue.
pathogen	Discula destructiva	dogwood anthracnose	Increase sunlight and air flow, as the fungus thrives in wet, moist conditions
pathogen	Haplosporidium nelsonii	MSX of Oysters	None recommended
			None recommended. BBD has not been detected south of Hunterdon County, but is widespread in the northern
	Nie en estrie ferrin etc	la a sela la seda d'a a se a	counties where American beech are found. It is a complex involving a scale insect and a fungus. The scale
pathogen	Neonectria faginata	beech bark disease	insects are active in June - September, and the fungus is active late summer through fall.
pathogen	Ophidiomyces ophiodiicola	snake fungal disease	If detected, contact NJ Division of Fish & Wildlife
pathogen	Ophiostoma ulmi	Dutch elm disease	None recommended
pathogen	Perkinsus marinus	Dermo disease	None recommended
			Trees and plants under stress or in decline are most succeptable to Phytophthora root rot, so maintaining
pathogen	Phytophthora cinnamomi	Phytophthora root rot	healthy, vigorous trees and plants can prevent infection.
pathogen	Phytophthora ramorum	sudden oak death	If detected, contact NJ Department of Agriculture
pathogen	Pseudogymnoascus destructans	White nose syndrome	If detected, contact NJ Division of Fish & Wildlife
			No effective treatment options available. Very few pure butternut trees (Juglans cinera) exist in the state today
			as nearly all have been impacted by butternut canker. Butternut readily crosses with Japanese heartnut, which
	Ophiognomonia clavigignentii-		results in a hybrid that is more resistant to butternut canker than pure butternut trees. Email the NJFS to report
pathogen	juglandacearum	butternut canker	butternut, butternut hybrids, or butternut canker at foresthealth@dep.nj.gov
			If detected, contact NJ Forest Service at foresthealth@dep.nj.gov. Symptomatic leaf striping is most easily seen
			when leaves are held up against light, and can be seen on green or brown leaves. American, European, and
pathogen	Litylenchus crenatae mccannii	Beech leaf disease	Oriental beech are susceptible.
			Pesticide treatments are available to protect high value oak trees, but is not feasible in natural areas. Although
pathogen	Xylella fastidiosa	bacterial leaf scorch	BLS is more commonly seen in landscape oak trees, it does occur in forested areas but to a lesser extent.
plant	Acer ginnala	Amur maple	FS-2, CS-1, BB-1
plant	Acer palmatum	Japanese maple	FS-2, CS-1, BB-1
plant	Acer platanoides	Norway maple	FS-2, CS-1, BB-1
plant	Acer pseudoplatanus	sycamore maple	FS-2, CS-1, BB-1
plant	Achyranthes japonica	Japanese chaff flower	FS-2
			FS-1 - AQUATIC SPECIES - Plants are sterile and do not produce viable seeds; Seek aquatic application
plant	Acorus calamus	American sweetflag	permit and use wetlands appropriate herbicides and surfactants
			FS-1, BB-1 - VINE SPECIES - Pre-treatment cutting recommended when tall/dense/multi-stem tangles prohibit
plant	Actinidia arguta	hardy kiwi	safe application; EZJect injection utilizing imazapyr also effective
plant	Aegopodium podagraria	goutweed	FS-1
plant	Agastache rugosa	Korean Hyssop	FS-1
pian		· · · · · · · · · · · · · · · · · · ·	FS-1, BB-1, CS-1 - STRONGLY RE-SPROUTING SPECIES (CUTTING NOT RECOMMENDED IN SUMMER);
			For BB, apply from July through September to enhance effectiveness. EZJect injection utilizing imazapyr also
plant	Ailanthus altissima	tree-of-heaven	effective; CS-1 effective as winter treatment only
plain	Anantinas anissima	lice-of-ficaven	FS-1, BB-1 - VINE SPECIES; Pre-treatment cutting recommended when tall/dense/multi-stem tangles prohibit
plant	Akebia guinata	chocolate vine	safe application; Species has thick/waxy leaves, utilize Clean Cut surfactant or equivalent
pian			sale application, opecies has medwaxy leaves, damine orean our surfactant or equivalent
plant	Albizia julibrissin	mimosa	FS-2. BB-1
pian		minosa	
			AQUATIC SPECIES - Requires special permiting for herbicide application; Use wetland appropriate herbicide
nlant		water wheel plant	
plant	Aldrovanda vesiculosa	water wheel plant	applied by professional lake managers; Treatment options may include herbicide and hand-pulling.
			FS-2 - BIENNIAL SPECIES - Must treat before fruit/seed maturation (See phenology guidelines); Treatment
	Alliania motialata	nedle monte d	recommended from Mid Fall through Late Winter to avoid damaging non-target species; Cold weather treatment
plant	Alliaria petiolata	garlic mustard	link: https://www.jstor.org/stable/4495913?seq=1
			FS-1, BB-1, CS-1 - STRONGLY RE-SPROUTING SPECIES (CUTTING NOT RECOMMENDED IN SUMMER);
			For BB, apply from July through September to enhance effectiveness. EZJect injection utilizing imazapyr also
plant	Alnus glutinosa	European black alder	effective; CS-1 effective as winter treatment only
plant	Ambrosia psilostachya	Western ragweed	FS-2

			Plant Treatment Options - See Strike Team Herbicide Use Suggestions and Mixing Guide for details.
			Utilize phenology for control guidance timelines - this is particularly critical for annual and biennial
.	Scientific Name	O Norma	plants. For pests and pathogens - Contact a Licensed Pesticide Applicator and follow the label for timing of application, rates, and restrictions.
<mark>Taxa</mark> bird	Carpodacus mexicanus	Common Name house finch	None recommended
JIIa	Ampelopsis glandulosa var.	nouse inch	FS-1, BB-1 - VINE SPECIES - Pre-treatment cutting recommended when tall/dense/multi-stem tangles prohibit
olant	brevipedunculata	porcelain-berry	safe application
Jan	brevipeduriediata	porcelain-berry	said application
			FS-2 - BIENNIAL SPECIES - Must treat before fruit/seed maturation (See phenology guidelines); Treatment
olant	Anthriscus sylvestris	wild chervil	recommended from Mid Fall through Late Winter to avoid damaging most native species
	,		FS-1, BB-1, CS-1 - STRONGLY RE-SPROUTING SPECIES (CUTTING NOT RECOMMENDED IN SUMMER);
			For BB, apply from July through September to enhance effectiveness. EZJect injection utilizing imazapyr also
olant	Aralia elata	Japanese angelica tree	effective; CS-1 effective as winter treatment only
olant	Arundo donax	giant reed	FS-3; Species does not appear to make viable seeds
olant	Butomus umbellatus	Flowering Rush	FS-3 - Seek aquatic application permit and use wetlands appropriate herbicides and surfactants.
plant	Elsholtzia ciliata	Vietnamese Balm	FS-2, FS-8, PE-1 - ANNUAL SPECIES - Must treat before fruit/seed maturation (See phenology guidelines).
plant	Artemisia annua	annual wormwood	FS-2, FS-8, PE-1 - ANNUAL SPECIES - Must treat before fruit/seed maturation (See phenology guidelines).
alant	Artemisia stelleriana	a labura na an	ES 2. Species has thick/way leaves utilize Clean Cut surfactant or equivelent
plant	Artemisia stellenana	oldwoman	FS-2 - Species has thick/waxy leaves, utilize Clean Cut surfactant or equivalent FS-7 - Mowing may be utilized as a pre-treatment, but allow re-growth to at least 3 feet before treatment; Recen
			studies from Penn State suggest Aminocyclopyrachlor is the most effective control option (94-99% control in
alant	Artemicie vulgenie	maximum ant	one year, applied in October); All treatment options require a multi-year effort to eradicate
olant	Artemisia vulgaris	mugwort	one year, applied in October), An treatment options require a multi-year enor to eradicate
olant	Arthraxon hispidus	small carpetgrass	FS-2, FS-8, PE-1 - ANNUAL SPECIES - Must treat before fruit/seed maturation (See phenology guidelines).
Jun		Sinal carporgrace	To 2, To 0, TE T Annota of Eoleo made abar bolor matriced material and the phononogy galaximos.
			FS-2 - Species has thick/waxy leaves, utilize Clean Cut surfactant or equivalent. Detailed recommendations
olant	Arum italicum	Italian arum	link: https://www.whatcomcounty.us/DocumentCenter/View/27070/Italian-Arum-Management?bidld=
olant	Belamcanda chinensis	blackberry lily	FS-2 - Species has thick/waxy leaves, utilize Clean Cut surfactant or equivalent
olant	Berberis julianae	wintergreen barberry	FS-2, BB-1, CS-1
olant	Berberis thunbergii	Japanese barberry	FS-2, BB-1, CS-1
olant	Berberis vulgaris	common barberry	FS-2, BB-1, CS-1
			FS-1, BB-1, CS-1 - STRONGLY RE-SPROUTING SPECIES (CUTTING NOT RECOMMENDED IN SUMMER);
			For BB, apply from July through September to enhance effectiveness. EZJect injection utilizing imazapyr also
olant	Broussonetia papyrifera	paper mulberry	effective; CS-1 effective as winter treatment only
plant	Buddleja davidii	butterflybush	FS-2, BB-1, CS-1
			AQUATIC SPECIES - Requires special permiting for herbicide application; Use wetland appropriate herbicide
			applied by professional lake managers; Species spreads via fragmentation; Treatment options may include
plant	Cabomba caroliniana	Carolina fanwort	herbicide, benthic barriers and hand-pulling
			AQUATIC SPECIES - Requires special permiting for herbicide application; Use wetland appropriate herbicide
olant	Callitriche stagnalis	European waterstarwort	applied by professional lake managers; Treatment options may include hand-pulling and cutting
			FS-2 - BIENNIAL SPECIES - Must treat before fruit/seed maturation (See phenology guidelines); Treatment
plant	Cardamine impatiens	narrowleaf bittercress	recommended from Mid Fall through Late Winter to avoid damaging most native species
plant	Carex flacca	blue-green sedge	FS-2
			FS-2 - Species has thick/waxy leaves, utilize Clean Cut surfactant or equivalent; Hand pulling on dunes may
olant	Carex kobomugi	Japanese sedge	require special permission under CAFRA rules - Contact NJDEP.
			FS-2 - Species has thick/waxy leaves, utililize Clean Cut surfactant or equivalent; Hand pulling on dunes may
olant	Carex macrocephala	largehead sedge	require special permission under CAFRA rules - Contact NJDEP.
			FS-1, BB-1 - VINE SPECIES; Pre-treatment cutting recommended when tall/dense/multi-stem tangles prohibit
olant	Celastrus orbiculatus	Oriental bittersweet	safe application
		- I	FS-6 - Biological control agents are commercially available, but requires PPQ 526 Permit - Requires
plant	Centaurea stoebe ssp. micranthos	spotted knapweed	coordination with NJDA.
olant	Cirsium arvense	Canada thistle	FS-6

			Plant Treatment Options - See Strike Team Herbicide Use Suggestions and Mixing Guide for details.
			Utilize phenology for control guidance timelines - this is particularly critical for annual and biennial
			plants. For pests and pathogens - Contact a Licensed Pesticide Applicator and follow the label for
Таха	Scientific Name	Common Name	timing of application, rates, and restrictions.
bird	Carpodacus mexicanus	house finch	None recommended
plant	Citrus trifoliata	hardy orange	FS-2, BB-1, CS-1
			FS-1 - VINE SPECIES; Pre-treatment cutting recommended when tall/dense/multi-stem tangles prohibit safe
plant	Clematis flammula	fragrant clematis	application; Species has thick/waxy leaves, utilize Clean Cut surfactant or equivalent
			FS-1 - VINE SPECIES; Pre-treatment cutting recommended when tall/dense/multi-stem tangles prohibit safe
plant	Clematis terniflora	Japanese clematis	application; Species has thick/waxy leaves, utilize Clean Cut surfactant or equivalent
			FS-2, 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 can cause dermatitis,
plant	Conium maculatum	poison-hemlock	nausea, and headaches if touched or inhaled after continuous handling, cutting, or mowing.
plant	Cornus kousa	Kousa dogwood	FS-2, BB-1, CS-1
alant	Convelatio inciso	numle komen	FS-2 - BIENNIAL SPECIES - Must treat before fruit/seed maturation (See phenology guidelines); Treatment
olant olant	Corydalis incisa Corydalis solida	purple keman spring fumewort	recommended from Mid Fall through Late Winter to avoid damaging most native species FS-2
Jiani		spring fullewort	1.5-2
olant	Cuscuta japonica	purple stemmed dodder	FS-2, PE-1 - ANNUAL SPECIES - Must treat before fruit/seed maturation (See phenology guidelines).
			,,
plant	Cyperus difformis	variable flatsedge	FS-2, PE-1 - ANNUAL SPECIES - Must treat before fruit/seed maturation (See phenology guidelines).
plant	Cyrtomium falcatum	Japanese net-veined holly fern	FS-2
alant	Cutique econorius	Castab broom	FS-1, BB-1
plant plant	Cytisus scoparius Deutzia scabra	Scotch broom fuzzy pride-of-Rochester	FS-1, BB-1, CS-1
Jiant			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 occupies flowing waters and
plant	Didymosphenia geminata	rock snot	herbicide treatment is not feasible
			FS-1 - VINE SPECIES; Pre-treatment cutting recommended when tall/dense/multi-stem tangles prohibit safe
olant	Dioscorea polystachya	Chinese yam	application; Species has thick/waxy leaves, utilize Clean Cut surfactant or equivalent
			FS-2 - BIENNIAL SPECIES - Must treat before fruit/seed maturation (See phenology guidelines); Treatment
olant	Dipsacus fullonum	common teasel	recommended from Mid Fall through Late Winter to avoid damaging most native species
Jiani		common teaser	recommended norminal ran through Late winter to avoid damaging most native species
			FS-2 - BIENNIAL SPECIES - Must treat before fruit/seed maturation (See phenology guidelines); Treatment
olant	Dipsacus laciniatus	cutleaf teasel	recommended from Mid Fall through Late Winter to avoid damaging most native species
			AQUATIC SPECIES; Requires special permiting for herbicide application; Use wetland appropriate herbicide
			applied by professional lake managers; Species does not produce fruit, but spreads rapidly through
plant	Egeria densa	Brazilian waterweed	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 options may include herbicide and
olant	Eichhornia crassipes	common water hyacinth	hand-pulling.
			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
plant	Elaeagnus angustifolia	Russian olive	RECOMMENDED); For BB, apply from July through September to enhance effectiveness
			FS-1, BB-1, CS-1 - STRONGLY RE-SPROUTING SPECIES (CUTTING NOT RECOMMENDED IN SUMMER);
	F 1	41	For BB, apply from July through September to enhance effectiveness. EZJect injection utilizing imazapyr also
plant	Elaeagnus pungens	thorny elaeagnus	effective; CS-1 effective as winter treatment only FS-1, BB-1, CS-1 - STRONGLY RE-SPROUTING SPECIES (CUTTING NOT RECOMMENDED IN SUMMER);
			For BB, apply from July through September to enhance effectiveness. EZJect injection utilizing imazapyr also
olant	Elaeagnus umbellata	autumn olive	effective; CS-1 effective as winter treatment only
			· · · · · · · · · · · · · · · · · · ·
			FS-1, BB-1, CS-1 - STRONGLY RE-SPROUTING SPECIES (CUTTING NOT RECOMMENDED IN SUMMER);
plant	Eleutherococcus sieboldianus	five-leaf aralia	For BB, apply from July through September to enhance effectiveness; CS-1 effective as winter treatment only
plant	Eragrostis curvula	weeping lovegrass	FS-2 - Conduct in late August through September to enhance effectiveness

			Plant Treatment Options - See Strike Team Herbicide Use Suggestions and Mixing Guide for details.
			Utilize phenology for control guidance timelines - this is particularly critical for annual and biennial
			plants. For pests and pathogens - Contact a Licensed Pesticide Applicator and follow the label for
Таха	Scientific Name	Common Name	timing of application, rates, and restrictions.
bird	Carpodacus mexicanus	house finch	None recommended
nlant	Evischlag village	haim our mass	FS-2
plant	Eriochloa villosa	hairy cup-grass	
plant	Euonymus alatus	winged burning bush	FS-2, BB-1, CS-1 FS-2, BB-1, CS-1
plant	Euonymus europaeus	European spindletree	
plant	Euonymus fortunei	winter creeper	FS-1, BB-1 - VINE SPECIES; Pre-treatment cutting recommended when tall/dense/multi-stem tangles prohibit safe application; Species has thick/waxy leaves, utilize Clean Cut surfactant or equivalent
plant	Falcaria vulgaris	Sickleweed	FS-1 - Species may act as a biennial or perennial.
plant	Fatoua villosa	hairy crabweed	FS-2, PE-1 - ANNUAL SPECIES - Must treat before fruit/seed maturation (See phenology guidelines).
piant		nany crabweed	FS-1 - As necessary, seek aquatic application permit and use wetlands appropriate herbicides and surfactants;
plant	Ficaria verna	lesser celandine	Control not often recommended due to high probability of reinfestation from upstream sources
			FS-1, BB-1, CS-1 - STRONGLY RE-SPROUTING SPECIES (CUTTING NOT RECOMMENDED IN SUMMER);
plant	Frangula alnus	glossy buckthorn	For BB, apply from July through September to enhance effectiveness; CS-1 effective as winter treatment only
μαπ			FS-1, BB-1 - VINE SPECIES; Pre-treatment cutting recommended when tall/dense/multi-stem tangles prohibit
plant	Hedera helix	English ivy	safe application; Species has thick/waxy leaves, utilize Clean Cut surfactant or equivalent
piant			FS-2 - WARNING! CAUSES SEVERE CONTACT DERMITITUS; Recommended treatment early in season
	l la manda como en en terre en entre en	al contribution and	before stems reach full height and become difficult to spray. Please inform NJDA upon detection - NJDA is
plant	Heracleum mantegazzianum	giant hogweed	currently performing control activities on detected populations.
			FS-2 - BIENNIAL SPECIES (sometimes perennial); Must treat before fruit/seed maturation (See phenology
plant	Hesperis matronalis	Dame's rocket	guidelines); Treatment recommended from Mid Fall through Late Winter to avoid damaging most native species
plant	Hespens matronalis	Dames rocket	guidelines), treatment recommended from Mid Pair through Late White to avoid damaging most native species
plant	Hippophae rhamnoides	seaberry	FS-2
plant	Hosta ventricosa	blue plantain lily	FS-2
plant	Houttuynia cordata	chameleon-plant	FS-2
plant	Humulus japonicus	Japanese hop	FS-2, PE-1 - ANNUAL SPECIES - Must treat before fruit/seed maturation (See phenology guidelines).
plant	Hyacinthoides hispanica	Hispanic hyacinthoides	F52, 2 F F F F F F F F F F F F F F F F F F
plant	Hydrangea paniculata	panicled hydrangea	FS-2, BB-1, CS-1
			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
plant	Hydrilla verticillata	hydrilla	production and may require repeated over several consecutive years) and benthic barriers.
			AQUATIC SPECIES; Requires special permiting for herbicide application; Use wetland appropriate herbicide
plant	Hydrocharis morsus-ranae	European frog-bit	applied by professional lake managers; Treatment options may include herbicide and hand-pulling
			FS-1 - AQUATIC SPECIES - Plants are sterile and do not produce viable seeds; Seek aquatic application
plant	Iris pseudacorus	yellow iris	permit and use wetlands appropriate herbicides and surfactants
i			FS-1, BB-1, CS-1 - STRONGLY RE-SPROUTING SPECIES (CUTTING NOT RECOMMENDED IN SUMMER);
plant	Kalopanax septemlobus	castor aralia	For BB, apply from July through September to enhance effectiveness; CS-1 effective as winter treatment only
plant	Kochia scoparia	bassia scoperia	FS-1
plant	Koelreuteria elegans	dolden raintree	FS-2, BB-1, CS-1
piant		youch failure	
plant	Kolkwitzia amabilis	beautybush	FS-2, BB-1, CS-1
plant	Lamiam galeobdolon	yellow archangel	FS-2
pan	Laman guoobdolon	, show aronangor	FS-1 - Metsulfuron (0.25%) should be considered an alternate method that is effective on species of the bean
			family; Pre-treatment cutting in June and spraying resprouts at 2-3' tall later in summer may increase
plant	Lespedeza cuneata	sericea lespedeza	effetiveness
plant	Leucojum aestivum	snowbell	FS-2
plant	Ligustrum amurense	amur privet	FS-2, BB-1, CS-1
plant	Ligustrum amurense	border privet	FS-2, BB-1, CS-1
	Ligustrum ovalifolium		FS-2, BB-1, CS-1
plant	Ligustum ovaliolium	California privet	ן יסט ,ויסט , יויסט איט וויסט איז

			Plant Treatment Options - See Strike Team Herbicide Use Suggestions and Mixing Guide for details.
			Utilize phenology for control guidance timelines - this is particularly critical for annual and biennial
			plants. For pests and pathogens - Contact a Licensed Pesticide Applicator and follow the label for
Таха	Scientific Name	Common Name	timing of application, rates, and restrictions.
bird	Carpodacus mexicanus	house finch	None recommended
plant	Ligustrum vulgare	European privet	FS-2, BB-1, CS-1
plant	Lonicera caprifolium	Italian woodbine	FS-2, BB-1, CS-1
plant	Lonicera fragrantissima	sweet breath of spring	FS-2, BB-1, CS-1
			FS-2, CS-1 - VINE SPECIES; Pre-treatment cutting recommended when tall/dense/multi-stem tangles prohibit
plant	Lonicera japonica	Japanese honeysuckle	safe application; Semi-evergreen, can effectively treat in November to avoid damaging non-target species
plant	Lonicera maackii	Amur honeysuckle	FS-2, BB-1, CS-1
plant	Lonicera morrowii	Morrow's honeysuckle	FS-2, BB-1, CS-1
plant	Lonicera standishii	Standish's honeysuckle	FS-2, BB-1, CS-1
plant	Lonicera tatarica	Tatarian honeysuckle	FS-2, BB-1, CS-1
1			AQUATIC SPECIES; Requires special permiting for herbicide application; Use wetland appropriate herbicide
			applied by professional lake managers; ANNUAL SPECIES - Must treat before fruit/seed maturation (See
plant	Ludwigia peploides ((ssp. glabrescens))	creeping waterprimrose	phenology guidelines); Treatment options may include herbicide and hand-pulling.
plant	Silene flos-cuculi	ragged robin	FS-2
plant	Lysimachia nummularia	creeping yellow loosestrife	FS-2
plant	Lythrum salicaria	purple loosestrife	FS-1 - Presence of biological control beetles often preclude need for herbicide treatments
plant	Magnolia kobus	Kobus magnolia	FS-2, BB-1, CS-1
plant	Mahonia bealei	Beale's barberry	FS-2, BB-1, CS-1 - Species has thick/waxy leaves, utilize Clean Cut surfactant or equivalent
			FS-1, BB-1, CS-1 - STRONGLY RE-SPROUTING SPECIES (CUTTING NOT RECOMMENDED IN SUMMER);
	Marker Arriterer	In an and such as a la	For BB, apply from July through September to enhance effectiveness. EZJect injection utilizing imazapyr also
plant	Malus toringo	Japanese crabapple	effective; CS-1 effective as winter treatment only 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; ANNUAL SPECIES - Must treat before fruit/seed maturation (See phenology
plant	Marsilea quadrifolia	European waterclover	guidelines); Treatment options may include herbicide and hand-pulling
piant		European waterciover	guideines), rreament options may include herbicide and hand-pulling
plant	Microstegium vimineum	Japanese stiltgrass	FS-2, FS-8, PE-1 - ANNUAL SPECIES - Must treat before fruit/seed maturation (See phenology guidelines).
ριαπ		Japanese sungrass	15-2, 15-0, PE-1- ANNOAL SPECIES - Must treat before indussed maturation (See phenology guidelines).
plant	Miscanthus sinensis	Chinese silvergrass	FS-3 - Conduct in late August through September to enhance effectiveness
ριαπ	Miscanthus sinchais		FS-1, BB-1, CS-1 - STRONGLY RE-SPROUTING SPECIES (CUTTING NOT RECOMMENDED IN SUMMER);
			For BB, apply from July through September to enhance effectiveness. EZJect injection utilizing imazapyr also
plant	Morus australis	Chinese mulberry	effective; CS-1 effective as winter treatment only
plant	Morus australis	oninese maiserry	chective, oost chective as white it dathent only
plant	Murdannia keisak	marsh dayflower	FS-2 (Glyphosate 3.00%) - ANNUAL SPECIES - Must treat before fruit/seed maturation.
plant	Pachysandra terminalis	Japanese pachysandra	FS-1; Species has thick/waxy leaves, utilize Clean Cut surfactant or equivalent
- 19111			AQUATIC SPECIES; Requires special permiting for herbicide application; Use wetland appropriate herbicide
			applied by professional lake managers; Species spreads rapidly through fragmentation; ANNUAL SPECIES -
			Must treat before fruit/seed maturation (See phenology guidelines); Treatment options include herbicide
plant	Myosoton aquaticum	giant chickweed	application.
P			AQUATIC SPECIES; Requires special permiting for herbicide application; Use wetland appropriate herbicide
			applied by professional lake managers; Species does not produce viable fruit; Species spreads rapidly through
plant	Myriophyllum aquaticum	parrotfeather	reprint of processing and managers, species account product have many operate species species and an end of the
	,	1	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
plant	Myriophyllum spicatum	Eurasian water-milfoil	include heribicide, hand-pulling and benthic barriers.
	· · · · · · · · · · · · · · · · · · ·		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
plant	Najas minor	brittleleaf naiad	include heribicide and hand-pulling
	i rajao minor	sitta si sui huiuu	Initiate neutrolate and nullid pulling

			Plant Treatment Options - See Strike Team Herbicide Use Suggestions and Mixing Guide for details.
			Utilize phenology for control guidance timelines - this is particularly critical for annual and biennial
			plants. For pests and pathogens - Contact a Licensed Pesticide Applicator and follow the label for
Taxa	Scientific Name	Common Name	timing of application, rates, and restrictions.
Taxa bird	Carpodacus mexicanus	house finch	None recommended
bird			
			AQUATIC SPECIES; Requires special permiting for herbicide application; Use wetland appropriate herbicide
plant	Nasturtium officinale	watercress	applied by professional lake managers; Treatment options may include herbicide, hand-pulling and shading
	Nik-Hamain alakuran	- t t t	AQUATIC SPECIES; Requires special permiting for herbicide application; Use wetland appropriate herbicide applied by professional lake managers; Treatment options may include herbicide, hand-pulling and shading
plant	Nitellopsis obtusa	starry stonewort	applied by professional lake managers, meannent options may include herbicide, nand-pulling and shading
ĺ			AQUATIC SPECIES; Requires special permiting for herbicide application; Use wetland appropriate herbicide
plant	Nymphoides peltata	yellow floating heart	applied by professional lake managers; Treatment options may include herbicide and hand-pulling
plant	Oenanthe javanica	Java dropwort	FS-2
plant	Oplismenus undulatifolius	wavyleaf basketgrass	FS-2, FS-8, PE-1 - ANNUAL SPECIES - Must treat before fruit/seed maturation (See phenology guidelines).
plant	Osmanthus heterophyllus	holly osmanthus	FS-2, BB-1, CS-1 - Species has thick/waxy leaves, utilize Clean Cut surfactant or equivalent
μαπ		nony osmantitus	FS-1, Bark: BB-1 - VINE SPECIES; Pre-treatment cutting recommended when tall/dense/multi-stem tangles
plant	Parthenocissus tricuspidata	Boston ivy	prohibit safe application
plant		Doolon ivy	FS-1, BB-1, CS-1 - STRONGLY RE-SPROUTING SPECIES (CUTTING NOT RECOMMENDED IN SUMMER):
			For BB, apply from July through September to enhance effectiveness. EZJect injection utilizing imazapyr also
plant	Paulownia tomentosa	princesstree	effective; CS-1 effective as winter treatment only
plant	Cenchrus setaceus	black fountain grass	FS-2 - Species has a long-term seed bank
nlant	Conchrue numureeens	block fountain arrass	
plant	Cenchrus purpurescens	black fountain grass	FS-2 - Species has a long-term seed bank
plant	Perilla frutescens	beefsteakplant	FS-2, PE-1 - ANNUAL SPECIES - Must treat before fruit/seed maturation (See phenology guidelines).
plant	Persicaria orientalis	kiss me over the garden gate	FS-2, PE-1 - ANNUAL SPECIES - Must treat before fruit/seed maturation (See phenology guidelines).
			FS-2, PE-1 - ANNUAL SPECIES - Must treat before fruit/seed maturation (See phenology guidelines); See
plant	Persicaria perfoliata	mile-a-minute vine	Strike Team Treatment Guide for additional details
			FS-2 - Seek aquatic application permit and use wetlands appropriate herbicides and surfactants; mowing or
plant	Phalaris arundinacea	reed canarygrass	grazing may be considered as a pre-treatment
			FS-2 - Seek aquatic application permit and use wetlands appropriate herbicides and surfactants; mowing or
plant	Phalaris canariensis	canarygrass	grazing may be considered as a pre-treatment
			FS-1, BB-1, CS-1 - STRONGLY RE-SPROUTING SPECIES (CUTTING NOT RECOMMENDED IN SUMMER);
			For BB, apply from July through September to enhance effectiveness. EZJect injection utilizing imazapyr also
plant	Phellodendron amurense	Amur corktree	effective; CS-1 effective as winter treatment only
			FS-1, BB-1, CS-1 - STRONGLY RE-SPROUTING SPECIES (CUTTING NOT RECOMMENDED IN SUMMER);
	Dhatinia cillara	Onis antisti a la stimi s	For BB, apply from July through September to enhance effectiveness. EZJect injection utilizing imazapyr also effective; CS-1 effective as winter treatment only
plant	Photinia villosa	Oriental photinia	enective, CS-1 enective as writter treatment only
plant	Phragmites australis	common reed	FS-3 - Seek aquatic application permit and use wetlands appropriate herbicides and surfactants.
			AQUATIC SPECIES; Requires special permiting for herbicide application; Use wetland appropriate herbicide
			applied by professional lake managers; Species not yet considered winter hardy in NJ; Species spreads rapidly
plant	Pistia stratiotes	water lettuce	through fragmentation; Treatment options may include herbicide and hand-pulling
plant	Fallopia baldschuanica	Chinese fleeceflower	FS-2
piant			FS-1, BB-1, CS-1 - STRONGLY RE-SPROUTING SPECIES (CUTTING NOT RECOMMENDED IN SUMMER);
			For BB, apply from July through September to enhance effectiveness. EZJect injection utilizing imazapyr also
plant	Populus alba	white poplar	effective; CS-1 effective as winter treatment only
			FS-1, BB-1, CS-1 - STRONGLY RE-SPROUTING SPECIES (CUTTING NOT RECOMMENDED IN SUMMER);
			For BB, apply from July through September to enhance effectiveness. EZJect injection utilizing imazapyr also
plant	Populus x canescens	gray poplar	effective; CS-1 effective as winter treatment only

Plant Protection Sec Strike Team Herbicke Uses Utilize phenology for control guidance timelines - this is plants. For pests and pathogens - Contact a Licensed Pe timil of application, rates, and restrictions. bird Carpodacus mexicanus house finch None recommended plant Potamogeton crispus curly-leaved pondweed applied by professional lake managers. Treatment with herbi- plant plant Potamogeton crispus curly-leaved pondweed applied by professional lake managers. Treatment with herbi- plant plant Protunus avium sweet cherry For 1, Ba-1, CS-1 - STRONGLY RE-SPROUTING SPECIES (For BB, apply from July through September to enhance effect effective; CS-1 effective as winter treatment only plant Prunus subhirtella var. pendula weeping Higan cherry FS-1, BB-1, CS-1 - STRONGLY RE-SPROUTING SPECIES (For BB, apply from July through September to enhance effect effective; CS-1 effective as winter treatment only plant Puruns subhirtella var. pendula kudzu safe application via FS; Species has thick/waxy leaves, utiliz plant Puruns subhirtella var. pendula kudzu safe application via FS; Species has thick/waxy leaves, utiliz plant Purus subhirtella var. lobata kudzu safe application via FS; Species has thick/waxy leaves, utiliz plant Pur	
Taxa Scientific Name Common Name Itiming of application, rates, and restrictions. bid Carpodacus mexicanus house finch None recommended plant Potamogeton crispus curty-leaved pondweed applied by professional lake managers. Treatment with herbide plant Prunus avium sweet cherry FS-1, BB-1, CS-1 - STRONGLY RE-SPROUTING SPECIES (For BB, apply from July through September to enhance effect effective; CS-1 effective as winter treatment only plant Prunus avium sweet cherry FS-1, BB-1, CS-1 - STRONGLY RE-SPROUTING SPECIES (For BB, apply from July through September to enhance effect effective; CS-1 effective as winter treatment only plant Prunus subhirtella var. pendula weeping Higan cherry effective; CS-1 effective as winter treatment only FS-1, BB-1, CS-1 - STRONGLY RE-SPROUTING SPECIES (For BB, apply from July through September to enhance effect effective; CS-1 effective as winter treatment outing recomment bean family; VINE SPECIES, Pre-treatment cuting recomment glant Purearia montana var. lobata kudzu safe application via FS; Species has thick/waxy leaves, utiliz (For BB, apply from July through September to enhance effect effective; CS-1 effective as winter treatment only plant Pyrus betulifolia birchleaf pear effective; CS-1 effective as winter treatment only FS-1, BB-1, CS-1 - STRONGLY RE-SPROUTING SPEC	
Taxa Scientific Name Iming of application, rates, and restrictions. bird Carpodacus mexicanus house finch None recommended plant Potamogeton crispus curly-leaved pondweed applied by professional lake managers. Treatment with herbicide application, rates, and restrictions. plant Potamogeton crispus curly-leaved pondweed applied by professional lake managers. Treatment with herbicide application via FS: T, BB-1, CS-1 - STRONGLY RE-SPROUTING SPECIES (For BB, apply from July through September to enhance effect FGE B, apply from July through September to enhance effect fective. CS-1 effective as winter treatment only Plant Prunus subhirtella var. pendula weeping Higan cherry EFS-1, BB-1, CS-1 - STRONGLY RE-SPROUTING SPECIES (For BB, apply from July through September to enhance effect FGE S). Species has thick/waxy leaves, utilitz plant Pueraria montana var. lobata kudzu safe application via FS: Species has thick/waxy leaves, utilitz plant Pyrus betuilfolia birchleaf pear FS-1, BB-1, CS-1 - STRONGLY RE-SPROUTING SPECIES (For BB, apply from July through September to enhance effect effective; CS-1 effective as winter treatment only plant Pyrus betuilfolia birchleaf pear FS-1, B	
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FS-1, BB-1, CS-1 - STRONGLY RE-SPROUTING SPECIES ((CUTTING NOT RECOMMENDED IN SUMMER);
For BB, apply from July through September to enhance effect	tiveness. EZJect injection utilizing imazapyr also
plant Rhamnus utilis Chinese buckthorn effective; CS-1 effective as winter treatment only	
plant Rhodotypos scandens jetbead FS-3	
plant Ribes rubrum garden red current FS-3	
plant Saccharum ravennae hardy pampas grass FS-3 - Conduct in late August through September to enhance	effectiveness
plant Rosa canina dog rose FS-2, BB-1, CS-1	
plant Rosa multiflora multiflora rose FS-2, BB-1, CS-1	
plant Rosa rugosa seaside rose FS-2, BB-1, CS-1 - Species has thick/waxy leaves, utilize Cle	ean Cut surfactant or equivalent
plant Rosa lucieae memorial rose FS-2, BB-1, CS-1	
plant Rubus armeniacus Himalaya blackberry FS-1	
start Debus lastrictus	
plant Rubus laciniatus cutleaf blackberry FS-1	
plant Rubus parvifolius Western thimbleberry FS-1	

Таха	Scientific Name	Common Name	Plant Treatment Options - See Strike Team Herbicide Use Suggestions and Mixing Guide for details. Utilize phenology for control guidance timelines - this is particularly critical for annual and biennial plants. For pests and pathogens - Contact a Licensed Pesticide Applicator and follow the label for timing of application, rates, and restrictions.
bird	Carpodacus mexicanus	house finch	None recommended
plant	Rubus phoenicolasius	wine raspberry	ES-1
•			FS-1, BB-1, CS-1 - STRONGLY RE-SPROUTING SPECIES (CUTTING NOT RECOMMENDED IN SUMMER); For BB, apply from July through September to enhance effectiveness. EZJect injection utilizing imazapyr also
plant	Salix atrocinerea	large gray willow	effective; CS-1 effective as winter treatment only
plant	Salix cinerea	gray willow	FS-1, BB-1, CS-1 - STRONGLY RE-SPROUTING SPECIES (CUTTING NOT RECOMMENDED IN SUMMER); For BB, apply from July through September to enhance effectiveness. EZJect injection utilizing imazapyr also effective; CS-1 effective as winter treatment only
plant	Salix matsudana	Chinese willow	FS-1, BB-1, CS-1 - STRONGLY RE-SPROUTING SPECIES (CUTTING NOT RECOMMENDED IN SUMMER); For BB, apply from July through September to enhance effectiveness. EZJect injection utilizing imazapyr also effective; CS-1 effective as winter treatment only
plant	Salvia glutinosa	Jupiter's distaff	FS-2
plant	Janua gradnood		
plant	Salsola tragus	tumbleweed	FS-1
plant	Scilla siberica	squill	FS-2
plant	Spiraea japonica	Japanese spiraea	FS-2
piant	Spiraea japonica	Japanese spiraea	AQUATIC SPECIES; Requires special permiting for herbicide application; Use wetland appropriate herbicide
plant	Stratiotes aloides	water soldier	applied by professional lake managers; Treatment with herbicide recommended
plant	Stratioles aloides Styrax japonicus	Japanese snowbell	FS-2, BB-1, CS-1
plant	Symplocos paniculata	sapphire berry	FS-2, BB-1, CS-1
plant	Tanacetum vulgare	common tansy	FS-1
		-	AQUATIC SPECIES; Requires special permiting for herbicide application; Use wetland appropriate herbicide applied by professional lake managers; ANNUAL SPECIES - Must treat before fruit/seed maturation (See phenology guidelines); Treatment options may include herbicide (often for several consecutive years), hand-
plant	Trapa natans	European water chestnut	pulling, mechanical raking and dredging
			FS-1, BB-1, CS-1 - STRONGLY RE-SPROUTING SPECIES (CUTTING NOT RECOMMENDED IN SUMMER);
plant	Ulmus parvifolia	Chinese elm	For BB, apply from July through September to enhance effectiveness. EZJect injection utilizing imazapyr also effective; CS-1 effective as winter treatment only
			FS-1, BB-1, CS-1 - STRONGLY RE-SPROUTING SPECIES (CUTTING NOT RECOMMENDED IN SUMMER); For BB, apply from July through September to enhance effectiveness. EZJect injection utilizing imazapyr also
plant	Ulmus procera	English elm	effective; CS-1 effective as winter treatment only
			FS-1, BB-1, CS-1 - STRONGLY RE-SPROUTING SPECIES (CUTTING NOT RECOMMENDED IN SUMMER);
			For BB, apply from July through September to enhance effectiveness. EZJect injection utilizing imazapyr also
plant	Ulmus pumila	Siberian elm	effective; CS-1 effective as winter treatment only
			FS-1, BB-1, CS-1 - STRONGLY RE-SPROUTING SPECIES (CUTTING NOT RECOMMENDED IN SUMMER); For BB, apply from July through September to enhance effectiveness. EZJect injection utilizing imazapyr also
plant	Viburnum dilatatum	linden viburnum	effective; CS-1 effective as winter treatment only
			FS-1, BB-1, CS-1 - STRONGLY RE-SPROUTING SPECIES (CUTTING NOT RECOMMENDED IN SUMMER);
			For BB, apply from July through September to enhance effectiveness. EZJect injection utilizing imazapyr also
plant	Viburnum lantana	wayfaringtree	effective; CS-1 effective as winter treatment only
			FS-1, BB-1, CS-1 - STRONGLY RE-SPROUTING SPECIES (CUTTING NOT RECOMMENDED IN SUMMER);
			For BB, apply from July through September to enhance effectiveness. EZJect injection utilizing imazapyr also
plant	Viburnum opulus	Guelder-rose	effective; CS-1 effective as winter treatment only
	- T		FS-1, BB-1, CS-1 - STRONGLY RE-SPROUTING SPECIES (CUTTING NOT RECOMMENDED IN SUMMER);
			For BB, apply from July through September to enhance effectiveness. EZJect injection utilizing imazapyr also
plant	Viburnum plicatum	Japanese snowball	effective: CS-1 effective as winter treatment only
P			FS-1, BB-1, CS-1 - STRONGLY RE-SPROUTING SPECIES (CUTTING NOT RECOMMENDED IN SUMMER);
			For BB, apply from July through September to enhance effectiveness. EZJect injection utilizing imazapyr also
plant	Viburnum setigerum	tea viburnum	effective; CS-1 effective as winter treatment only
Plant			FS-1, BB-1, CS-1 - STRONGLY RE-SPROUTING SPECIES (CUTTING NOT RECOMMENDED IN SUMMER);
			For BB, apply from July through September to enhance effectiveness. EZJect injection utilizing imazapyr also
plant	Viburnum sieboldii	Siebold's arrowwood	effective; CS-1 effective as winter treatment only
piant		Olobola 3 allowwood	onoonvo, oo i onoonvo as winter reatment only

Таха	Scientific Name	Common Name	Plant Treatment Options - See Strike Team Herbicide Use Suggestions and Mixing Guide for details. Utilize phenology for control guidance timelines - this is particularly critical for annual and biennial plants. For pests and pathogens - Contact a Licensed Pesticide Applicator and follow the label for timing of application, rates, and restrictions.
bird	Carpodacus mexicanus	house finch	None recommended
alaat		black swallowwort	FS-1 - VINE SPECIES; Pre-treatment cutting recommended when tall/dense/multi-stem tangles prohibit safe application; Pre-treatment cutting and treatment of resprouts will increase effectiveness; Species has thick/waxy leaves, utilize Clean Cut surfactant or equivalent. Species is resistant to nearly any herbicide, consider 5% solution of triclopyr amine using Metholated Seed Oil as a surfactant - this would at least allow grasses to co- occur during prolonged treatment periods.
plant	Vincetoxicum nigrum	black swallowwort	FS-1 VINE SPECIES; Pre-treatment cutting recommended when tall/dense/multi-stem tangles prohibit safe application; Pre-treatment cutting and treatment of resprouts will increase effectiveness; Species has thick/waxy leaves, utilize Clean Cut surfactant or equivalent. Species is resistant to nearly any herbicide, consider 5% solution of triclopyr amine using Metholated Seed Oil as a surfactant - this would at least allow grasses to co-
plant	Vincetoxicum rossicum	pale swallowwort	occur during prolonged treatment periods.
plant	Wisteria floribunda	Japanese wisteria	FS-1, BB-1 - VINE SPECIES; Pre-treatment cutting recommended when tall/dense/multi-stem tangles prohibit safe application; Species has thick/waxy leaves, utilize Clean Cut surfactant or equivalent
plant	Wisteria sinensis	Chinese wisteria	FS-1, BB-1 - VINE SPECIES; Pre-treatment cutting recommended when tall/dense/multi-stem tangles prohibit safe application; Species has thick/waxy leaves, utilize Clean Cut surfactant or equivalent FS-1, BB-1, CS-1 - STRONGLY RE-SPROUTING SPECIES (CUTTING NOT RECOMMENDED IN SUMMER);
plant	Zelkova serrata Podarcis siculus	Japanese zelkova Italian Wall Lizard	For BB, apply from July through September to enhance effectiveness. EZJect injection utilizing imazapyr also effective cS-1 effective as winter treatment only Requires coordination with NJ Division of Fish & Wildlife
reptile reptile	Trachemys scripta elegans	red-eared slider	Requires coordination with NJ Division of Fish & Wildlife