

New Jersey Invasive Species Strike Team
Summary of 2023 Species by Attributes

Category	Note	Number of Species	2022	2021	2020
Plants - Widespread Invasive Species	Species considered to be widespread and causing significant harm in natural areas	50	50	48	39
Plants - Emerging - NJISST Target Species	Species selected for target list inclusion	100	99	94	106
Plants - Emerging - NJISST Watch Species	Species may show invasive potential in the near future	42	42	47	40
Animals, Insects, Pathogens - Widespread Invasive Species	Species considered to be widespread and causing significant harm in natural areas	47	45	45	45
Animals, Insects, Pathogens - Emerging - NJISST Target Species	Species selected for target list inclusion, or effective population reduction practices available	45	45	42	37
Animals, Insects, Pathogens - Emerging - NJISST Watch Species	Species may show invasive potential in the near future or no effective population reduction / eradication practices available	7	7	9	10
Totals		291	288	285	277

NJISST Taxa	NJISST Search Grouping	Number of Species	2022	2021	2020
Plants	Forest Habitat	78	78	76	75
Plants	Vines	17	17	17	17
Plants	Open Upland Habitat	51	50	49	48
Plants	Open Wetland Habitat	25	25	26	24
Plants	Open Water Species	21	21	21	21
Animals, Insects, Pathogens	Freshwater	29	29	29	26
Animals, Insects, Pathogens	Marine	10	10	10	9
Animals, Insects, Pathogens	Terrestrial	60	58	57	57
Totals		291	288	285	277

NJISST Threat Code	Description	Number of Species	2022	2021	2020
Plants - Mild	Mildly threatening to natural areas	7	7	7	7
Plants - Moderate	Moderately threatening to natural area	78	77	73	73
Plants - High	Highly threatening to natural areas	107	107	109	105
Animals, Insects, Pathogens - Mild	Mildly threatening to natural areas	5	5	5	5
Animals, Insects, Pathogens - Moderate	Moderately threatening to natural areas	26	25	24	24
Animals, Insects, Pathogens - High	Highly threatening to natural areas	68	67	67	63
Totals		291	288	285	277

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Current Abundance / Distribution Code	Description	Number of Species	2022	2021	2020
Plants - Stage 0	Absent or very rare; < 10 NJISST detections	82	81	77	77
Plants - Stage 1	Rare (may be locally common); 10-100 NJISST detections	30	31	33	32
Plants - Stage 2	Uncommon (may be regionally common or abundant); 101-500 NJISST detections	20	20	20	21
Plants - Stage 3	Common (may be regionally abundant); 501-1000 NJISST detections	10	9	11	15
Plants - Widespread	Very Common; > 1,000 NJISST Detections or known to be very abundant	50	50	48	40
Animals, Insects, Pathogens - Stage 0	Absent or very rare; < 10 NJISST detections, or No County Detections	33	31	32	29
Animals, Insects, Pathogens - Stage 1	Rare (may be locally common); 10-100 NJISST detections, or Detected in 1 County	5	7	6	7
Animals, Insects, Pathogens - Stage 2	Uncommon (may be regionally common or abundant); 101-500 NJISST detections, or Detected in 2-4 Counties	8	9	8	6
Animals, Insects, Pathogens - Stage 3	Common (may be regionally abundant); 501-1000 NJISST detections, or Detected in 5-15 Counties	5	6	6	6
Animals, Insects, Pathogens - Widespread	Very Common; > 1,000 NJISST Detections or known to be very abundant, or Detected in 16-21 Counties	48	44	44	44
Totals		291	288	285	277

ED/RR Action Code	Description	Number of Species	2022	2021	2020
Plants - 1	Eradication of ALL detected occurrences (Applies to Target species that are Stage 0, Stage 1, and Stage 2)	90	90	91	91
Plants - 2	Eradication of NEW, small occurrences at particular sites only (Applies to Target species that are Stage 3). Species with Mild threat given this code regardless of other attributes.	8	8	11	13
Plants - None	Widespread and Watch Species	94	93	87	81
Animals, Insects, Pathogens - 1	Eradication of ALL detected occurrences (Applies to Target species that are Stage 0, Stage 1, and Stage 2)	38	36	36	31
Animals, Insects, Pathogens - 2	Eradication of NEW small occurrences at particular sites only (Applies to Target species that are Stage 3)	7	7	7	7
Animals, Insects, Pathogens - 3	Population Reduction (Chemical treatments, biological controls, host removal, etc.)	6	6	6	6
Animals, Insects, Pathogens - 4	Prevention (maintain host vigor, prevent spread to new areas)	4	4	4	4
Animals, Insects, Pathogens - None	Widespread and Watch Species	44	44	43	44
Totals		291	288	285	277