At-Risk Plants in the United States

Plants are the foundation of life on Earth. Plants capture energy from sunlight, regulate the atmosphere, and serve as the base of the food chain upon which we depend. North America is home to an incredible diversity of native plants that form unique ecological communities across the continent's varied terrains-from the Arctic tundra to the coastal plains of the Southeast, from the arid deserts of the Southwest to the lush Acadian forests of the Northeast, and everywhere in between. Like the animal species that depend on them, many plants are threatened by the conversion, degradation, and fragmentation of their habitat caused by human activities. These threats are exacerbated by ongoing climate change, putting many plants at risk of extinction.

Compared to animals, at-risk plants are less likely to receive legal protection, and fewer resources are directed toward their conservation and recovery. This could meaningfully change if the Recovering America's Wildlife Act were to pass. Plants are typically excluded from the term *wildlife* and many states have not included plants or invertebrates in their State Wildlife Action Plans in the past. This Act will increase funding to plants by providing additional funds to any states that include plants in their action plans. Therefore, much-needed conservation resources may soon be available to the thousands of plants at risk of extinction in the United States.

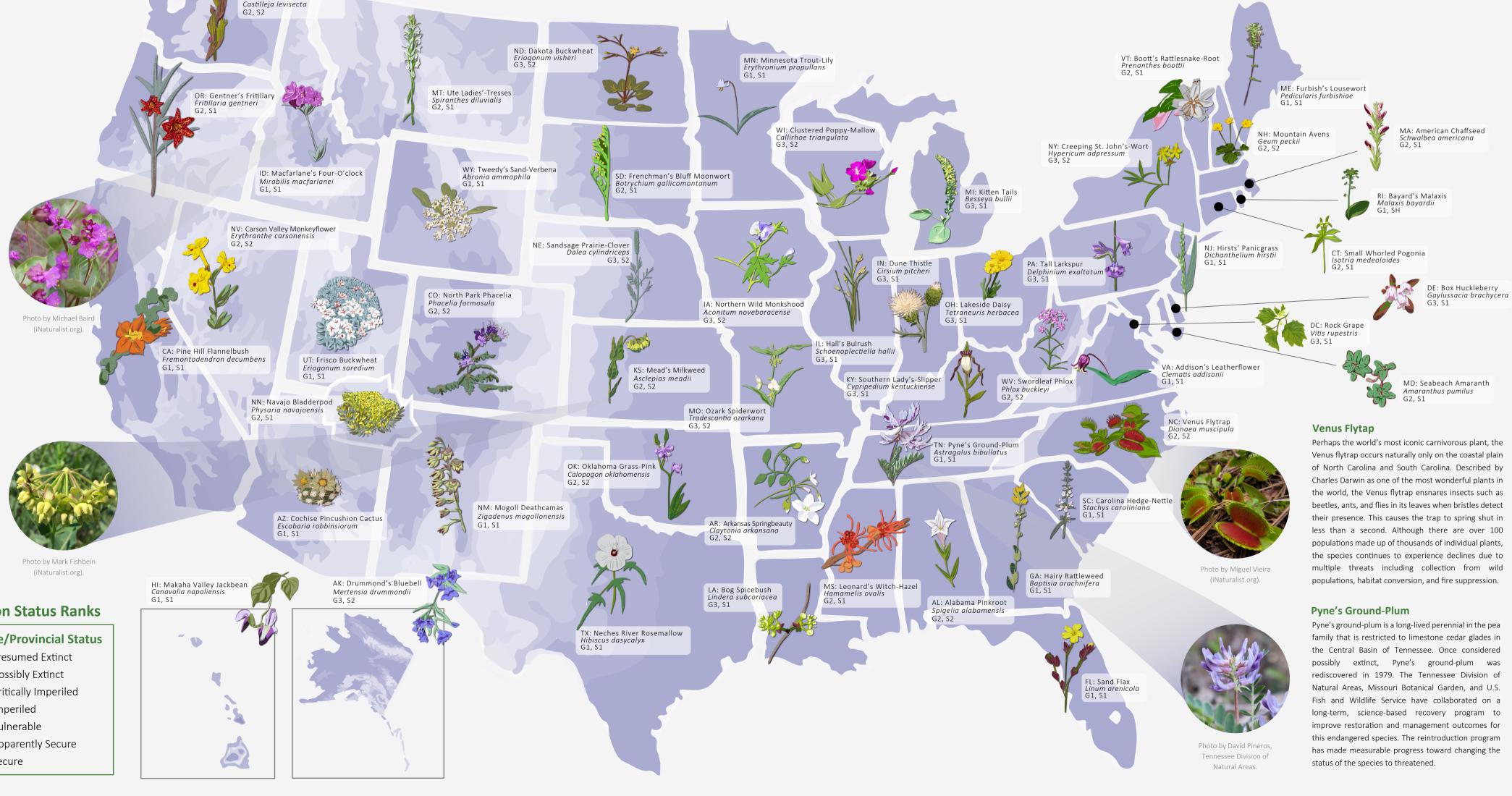
WA: Golden Paintbrush

Macfarlane's Four-O'clock

Macfarlane's four-o'clock is known from only nine locations in Idaho and four in adjacent Oregon, where it grows on rockslides, canyon walls, and sandy to gravelly talus slopes. Macfarlane's four-o'clock is one of the few plant species in Idaho that has been transplanted to another field site in an effort to increase its numbers. Major threats include livestock grazing and the invasion of exotic plants. Originally listed as endangered under the U.S. Endangered Species Act, the species was downlisted to threatened in 1996 after successful recovery efforts and the discovery of several new populations.

Mead's Milkweed

Found in the tallgrass prairies of the Midwest, Mead's milkweed is a slow-growing perennial. It can take 15 years or more for the plant to progress from germination to flowering, and it can ultimately live for decades. The species is federally listed as threatened due to habitat loss from land development and damage from invasive species. Despite these challenges, recovery efforts have reintroduced the species into two states where it had been previously extirpated.



NatureServe Conservation Status Ranks

Global Status	State/Provincial Status
GX: Presumed Extinct	SX: Presumed Extinct
GH: Possibly Extinct	SH: Possibly Extinct
G1: Critically Imperiled	S1: Critically Imperiled
G2: Imperiled	S2: Imperiled
G3: Vulnerable	S3: Vulnerable
G4: Apparently Secure	S4: Apparently Secure
G5: Secure	S5: Secure

The ever-present need to preserve and protect endangered plants makes the decades-long efforts of the NatureServe Network to identify, monitor, and conserve native plant species even more important. The U.S. government looks to NatureServe data to understand which plants are most at risk, which threats they face, and how to protect them.

The map below illustrates some of the vascular plants that are at risk of extinction globally and that are particularly vulnerable in the indicated state or Tribal Nation. These species highlight the taxonomic and visual diversity of the plant kingdom, and they exemplify the breadth of the native biodiversity knowledge of the NatureServe Network. Nonetheless, the species illustrated here represent only a sliver of the many thousands of at-risk plants in the United States.



About NatureServe

For nearly 50 years, NatureServe has been the authoritative source for biodiversity data and the central coordinating organization for a network of over 60 member programs throughout North America. Together, NatureServe and the network of member programs are dedicated to developing, collecting, and analyzing biodiversity information to support informed decisions about managing, protecting, restoring, and conserving natural resources. NatureServe and the Network develop and manage data on over 100,000 species and ecosystems, answering fundamental questions about what exists, where it is found, and how it is doing.