

Species: Mistflower (*Conoclinium coelestinum*)

Global Rank: G5

State Rank: S3

Climate Change Vulnerability Index: Not Vulnerable/Presumed Stable

Confidence: Very High

Habitat:

The range of mistflower extends from Illinois and Pennsylvania south to Florida and Texas (NatureServe 2010). The species is considered exotic in New York, Wisconsin, and Canada. Mistflower occurs along floodplains as well as pond and stream margins. The species also occurs in fields, wet meadows and along road shoulders (Rhoads and Block 2007), which suggests it is not specifically tied to a particular hydrological regime.

Threats:

Mistflower is threatened by deer herbivory and displacement due to exotic plant species.

Main Factors Contributing to Vulnerability Rank:

Although the mistflower is at its northern range in Pennsylvania and has only experienced a small precipitation variation in the recent past, the CCVI suggests that species is not vulnerable/presumed stable. Available evidence does not suggest that the abundance and/or range extent within Pennsylvania will change (increase/decrease) substantially by 2050. However, actual boundaries may change.

Literature Cited:

NatureServe. 2010. NatureServe Central Databases. Arlington, Virginia. USA.

Rhoads, A. and T. Block. 2007. The Plants of Pennsylvania. 2nd Edition. Philadelphia. University of Pennsylvania Press.