



**Science
Societies**

Plant Blindness Impacts Cultural Knowledge and Identity

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Turtle Mountain Community College student Fynn Pound, a Turtle Mountain Band of Chippewa Indians (TMBCI) citizen, identifying grassland plants. A survey showed TMBCI citizens between 18 and 36 years of age correctly identified fewer plants than other age groups. Photo by Stacie Blue.

The inability to notice plants—even those plants important to people's well-being—is common in modern life. This concept is known as plant blindness. Indigenous people rely on traditional knowledge of plants for many uses including medicine, food, and spiritual practices.

A group of researchers from North Dakota State University and North Dakota State College of Science wanted to know if plant blindness was occurring within the Turtle Mountain Band of Chippewa Indians (TMBCI). They conducted an optⁱⁿ online survey for citizens living in the TMBCI region. The survey assessed citizens' knowledge of local wetland, grassland, and forest habitats; names of plants; and how citizens use plant features in identification. The survey revealed that grassland plants were the least noticed and poorly recognized. Older individuals were able to identify more plants, including those important for ceremonies and used in medicine.

With the younger generation's loss of plant knowledge, there is a real danger of Indigenous people losing generational knowledge and parts of their cultural identity.

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