Climate Change, Food Aid, and Loss of Traditional Foods
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Climate Change: Shifting Foods

Climate change is may negatively impacting indigenous cultures access to traditional foods (Damman et al., 2008). The Wabanaki people of the northeastern United States are having difficulty maintaining cultural food practices due to shifting range, quality, and quantity of berries (Lynn, 2013). The Black River Forest Nation, who depend on berries, moose, and specific tree species for traditional food ceremonies, are noticing lower quantities of these foods, noting climate change as a possible source (CIER, 2007). The Gitga’at tribe of British Columbia is unable to dry their edible seaweed on rock beds due to unseasonably rainy periods (Turner, 2009).

Food Security and the Food Aid

Indigenous peoples are the most impoverished ethnic group in the United States, at approximately 28% (Macarney et al., 2013). In Canada, food security is a major concern among indigenous tribes. Preschoolers self-identify as being food insecure (Egeland et al. 2010). To combat food security among indigenous tribes, the United States Department of Agriculture started an alternative to Supplemental Nutrition Assistance Program, the Food Distribution Program on Indigenous Reservations (Matsumoto, 1994). In 2014, over $100 million was appropriated for FDPIR, being utilized approximately 75,000 individuals of 276 tribes (USDA, 2014).

Health Issues

American Indians suffer from higher rates of diet related disease compared to the general population. Dietary Guidelines call for two to three servings of dairy to satisfy calcium requirements, while it is estimated that 75% of American Indians are lactose intolerant (Mihesuah, 2003). Diabetes and obesity are also prevalent among indigenous tribes across the country. Obesity is associated with cheap, energy dense foods, alongside a lack of access to healthy, affordable foods (Fieldhouse and Thompson, 2012). The Pima tribe of Arizona has the highest rates of diabetes in the world, at a staggering 50% of the Pima population diagnosed (NIH, 1998).

Moving Forward

Indigenous tribes are in danger of losing their traditional foods not just from climate change, but from food aid intervention as well. The Jujuy tribe of Argentina is in this exact position; though starvation is being avoided through food aid, a healthier traditional diet is suppressed, food assimilation continues, and dependence should be attributed, alongside FDPIR, to encourage indigenous populations to pursue efforts to rebuild their traditional foodscapes. Allowing indigenous tribes to re-establish their traditional foods may address climate change effects, reduce diet related disease, and maintain food traditions.