Urbanization of Madison's Farmland

Mapping the Rate of Farmland Loss in the Greater Madison Area 1992 to 2006 Deforest Total Farmland lost:1.3 acres 9.8% of farmland We live in an increasingly urbanized Waunakee world where people continue to inhabit Sun Prairie urban centers at a faster rate. Madison Total Farmland lost:1.7 acres Total Farmland lost: 1.4 acres is no exception to this phenomenon. The 8.9% of farmland farm state of Wisconsin has experienced 8.8% of farmland changes in the landscape as population increases and pushes the boundaries of Madison outward onto the county side. Urbanization continues to increase and has pushed suburban areas to develop onto Wisconsin's farmland. Findings have brought concerns over the loss of ecosystem services that many rural landscapes bring including: food production, wildlife habitat and water infiltration. Across the Unites States more than Cottage Grove 41 million of acres of farmland in the United States were converted to devel-**Jotal Farmland lost:1.9 acres** 5.7% of farmland oped uses from 1982 to 2007. Middleton Information from choropleth maps can Farmland lost:2.3 acres 12.7% of farmland provide local decision makers with added information about the level of farmland loss. The approach described here involved using GIS software to overlay two different sets of National Land Use المسي المسالحين المسالحين Cover Data, maps representing urban and farmland areas from 1992 and 2006 for the greater Madison area. By McFarland overlaying these datasets from different Total Farmland lost:0.8 acres time period it is then possible to 13.2% of farmland produce statistics of development for Fitchbura each census block. lotal Farmland lost 2.5 acres 7.9 % of farmland Policy in Wisconsin is working to Verona protect human health and well-being Total farmland lost:1.18 acres from urbanization. Compared with 9.1% of farmland other Midwestern states Wisconsin has taken a proactive policy approach to address the threat of urban development to farmland through the Working Lands Stoughton Initiative that was authorized by the Oregon Total Farmland lost:1.2 acres state legislature in 2009. This added Total Farmland lost:1.3 acres 8.4% of farmland policy preserves farmland and forest-4% of farmland land through farmland planning, preservation and purchase of agriculture conservation easements.

Creator:Morgan Ripp Projection: Albers Conical Equal Area Central Merdian: 96.0°W Data Acquired from: National Land Use Data 1992 and 2006 USA Block Group Boundaries Dane County Manicipal Data 2013

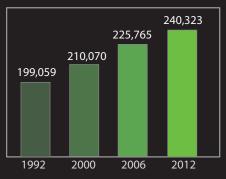
8 Miles



Highest Urbanization in Madison 1992-2006

- 1. McFarland
- 2. Middleton
- 3. DeForest
- 4. Verona
- 5. Sun Prairie

Population Increase of Madion 1992-2012



Various reasons have led to the urbanization of Madison. These include employment opportunity, education, and population increase. Madison and its surrounding cities have experienced an increase in population which will continue to push the city boundaries out onto farmland and other landscapes such as open space and forests. These issues should be addressed before we lose vital agriculutral land.



Dane Municipalities 2013 USA Block Group Boundaries

Percent Farmland Lost to Urbanization

0%	0.1	4	10	18	28	44%