Farmland preservation has been discussed extensively by researchers and many different techniques exist to achieve this objective. Despite all of this, farmland is continuing to be lost to development at alarming rates. This paper discusses new ways to approach farmland preservation based on changes that are occurring in the agricultural practices of America. A literature review covers the most common farmland preservation techniques used today along with why farmland preservation is an important issue. The 2007 Census of Agriculture is analyzed to discuss important findings that show how farming is changing and what preservation techniques may work best to deal with these changes. A Case Study of Kane County, Illinois shows how an effective farmland protection program can be implemented and what other governmental agencies could learn from this. Recommendations are given as to what farmland preservation techniques should be used in order to effectively deal with the changing agricultural landscape.