

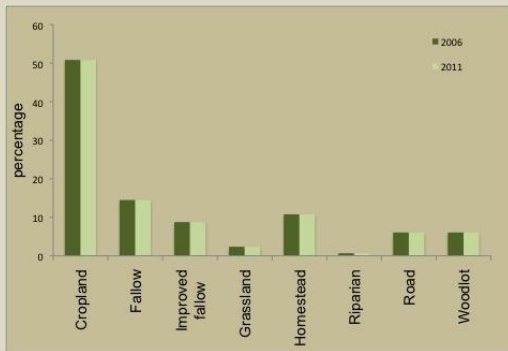
# Understory Plant Diversity Changes in Sauri, Kenya from 2006 to 2011

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- Biodiversity secures ecosystem services (food, water, climate control, disease control, nutrition)
- Millennium Villages goals include crop diversification on farms on in home gardens

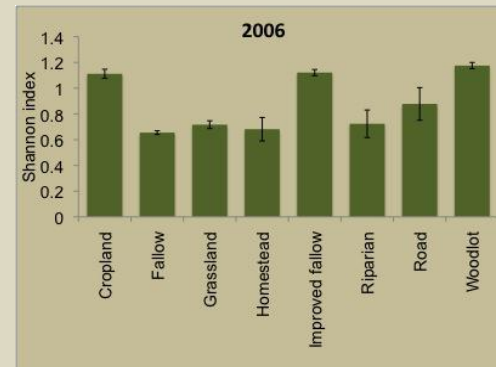
**Question:** How has the distribution of understory plant diversity changed by land use in Sauri over the last 5 years following MVP's intervention? Specifically, how has edible crop diversity changed?

1. No change in land use distribution between 2006 and 2011



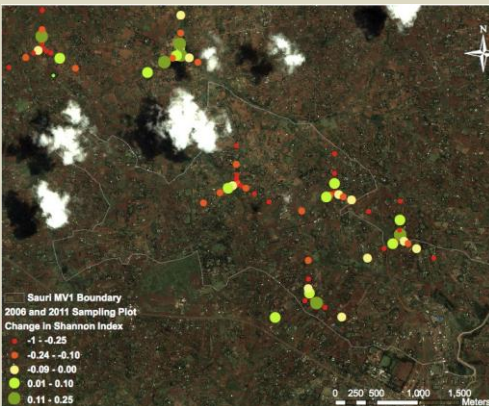
Plot land use distribution 2006 and 2011, given as percentage

2. Increased evenness in the distribution of plant diversity according to land use from 2006 to 2011

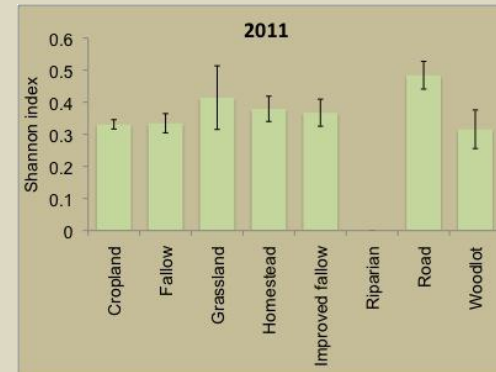


Average Shannon diversity index for plots in 2006 according to plot land use. P-values < 0.001

3. Diversity of commonly eaten plants decreased from 2006 to 2011



Change in commonly eaten plant diversity by plot. Map reflects the location of the plots sampled in Sauri. Circles indicate the change in the Shannon diversity index from 2006 to 2011. P-value < 0.001



Average Shannon diversity index for plots in 2011 according to plot land use. P-values < 0.05