Response of *Microstegium vimineum* and Lonicera japonica to continuous cover forestry practices

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Microstegium vimineum



- Annual C₄ grass
- Shade tolerant
- Mesic soils Most of eastern US
- Class C noxious weed in Alabama



Lonicera japonica Japanese honeysuckle



- Semievergreen to evergreen woody vine
- Shade tolerant
- Tolerates a wide range of site conditions
- Most of US

Background

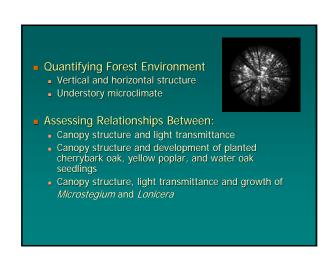
- Silviculture study looking at forest management options for private landowners at the urban-rural interface

 - Promote the continued establishment and development of tree reproduction

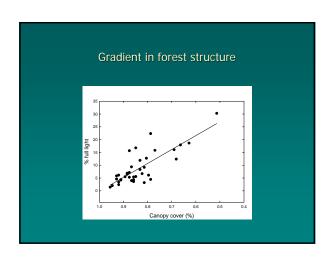


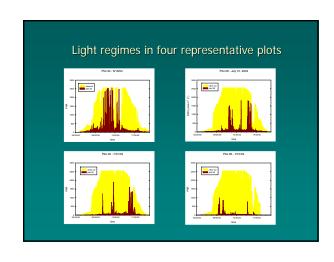
- Apply gradient of cutting regimes.
- Quantify the relationship between residual forest structure and understory microclimate (especially
- environment and seedling growth response.

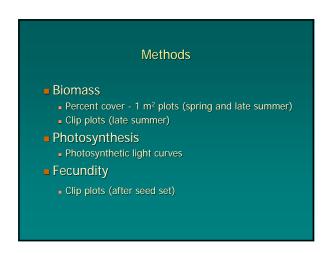


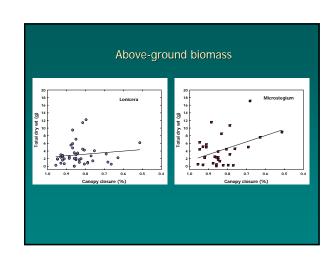


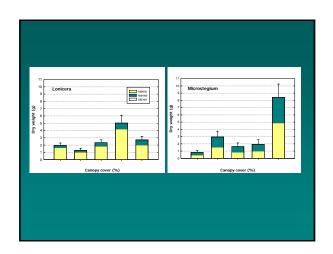


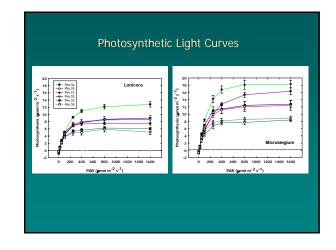




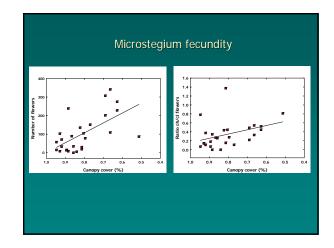








- Chasmogamous flowers flowers that open, exposing stamens and styles to the environment allowing potential cross-pollination
- Cleistogomous flowers flowers that do not open and are self-pollinated



Conclusions

- *Microstegium* was more responsive than *Lonicera* to the moderate increase in light.
- First year results may not fully reflect the potential impact of Lonicera.
- Herbicide treatments may be required.

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