Comparative evaluation of aesthetic, biological, and economic effectiveness of different lawn management programs

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Evaluated aesthetic, biological and economic effectiveness

- Aesthetics – lawn quality
- Biological – weeds and insect pests
- Economic – management costs
Approaches

- **Commercial** – managed by a professional company
- **Consumer** – managed using consumer lawn care products following labeled instructions
- **Integrated Pest Management (IPM)** – pesticide applications based on monitoring and thresholds
- **Organic** – monitoring and need-based organic and natural product applications
- **Untreated**
Results – 2004-2006

Total weed cover

- Commercial
- Consumer
- IPM
- Organic
- Untreated

Total weed cover
Results – 2004-2006

Total white grub density

- Commercial
- Consumer
- IPM
- Organic
- Untreated

Total white grub density
Results – 2004-2006

Cost

- Commercial
- Consumer
- IPM
- Organic
- Untreated
Results – Weed cover and cost

- Untreated
- Consumer
- IPM
- Organic
- Commercial
Results – lawn quality and cost

![Graph showing results of lawn quality and cost comparisons between Untreated, Consumer, IPM, Organic, and Commercial treatments.](image-url)