IPM (Diversity above & below)

Introduction to Section 14 (14a – IPM)

Energy Flow in agroecosystems

- Energy Flow From The Sun
- Vertebrates (1)
- Snails and Slugs (100)
- Potworms and Earthworms (3,000)
- Insects, Myriapods, Spiders, Dipluran (5,000)
- Rotifers and Tardigrades (10,000)
- Springtails (50,000)
- Mites (100,000)
- Nematodes (5,000,000)
- Protozoa (10,000,000,000)
- Bacteria and Actinomycetes (10,000,000,000)

Pollinators

- Oribatid Mites shredding a leaf

Healthy soils = healthy plants

- Root feeding nematode captured by fungi
- Earthworms bury litter

A predacious mite feeds on a springtail

Springtails eating Organic Matter

Agronomy Tech Note 76 (http://www.nm.nrcs.usda.gov/technical/handbooks/lwm/nmiwm.html)