

Rangeland Monitoring

Topics to be covered:

Why Monitor?

To document change over time in vegetation or other aspects of the range as they relate to management and/or other natural processes.

What to Monitor?

Most often, vegetation is monitored to estimate carrying capacity and erosion potential, but weather, soil, wildlife, and livestock should also be considered.

Where to Monitor?

Monitoring sites are chosen to represent general range health of larger management units and/or condition of environmentally sensitive locations within a management unit.

When to Monitor?

In most cases, data should be collected at the peak of the growing season when seedheads are present and grazing impacts are minimal. Most important: Be consistent.

How to Monitor?

It is important to use techniques that provide information about desired plant communities in a statistically valid fashion yet are not overly cumbersome.



**The University of Arizona
Cooperative Extension has two
offices in Yavapai County**

In Prescott:

U of A Cooperative Extension
840 Rodeo Dr #C
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The University of Arizona, College of Agriculture, U.S. Department of Agriculture and Arizona Counties Cooperating



Rangeland Monitoring Workshop



November 20, 2009

**University of Arizona
Cooperative Extension Prescott Office
840 Rodeo Dr #C
Prescott, Arizona**

Presented By:
**University of Arizona
Cooperative Extension,
Yavapai County**

Rangeland Monitoring

Planned Agenda

Friday November 20

Prescott Cooperative Extension Office
840 Rodeo Dr #C
Prescott, Arizona

- 8:00-8:10 **Why Rancher's Need to Monitor and Maintain Data**
Doc Lane
- 8:10-8:45 **Introduction to Rangeland Monitoring**
Lamar Smith
- 8:45-9:15 **Setting Up a Rangeland Monitoring Program on Your Ranch**
George Ruyle
- 9:15-9:45 **Introduction to TES, Ecological Sites, and Key Areas**
Judith Dyess/Gary Parrot
- 9:45-10:00 **Break**
- 10:00-10:30 **Measuring Vegetation Attributes**
Del Despain
- 10:30-11:15 **Plant Species Frequency for Trend**
Del Despain
- 11:15-12:00 **What Do the Values Mean to You!**
Lamar Smith
- 12:00-12:30 **Utilization Concepts**
Judith Dyess
- 12:30-2:00 **Lunch (on your own) and travel to Field Site (Williamson Valley)**
- 2:00-4:00 **Field Demonstration**
All Instructors



Please join us for this one day workshop sponsored by Yavapai County Cooperative Extension.

For the \$10.00 tuition, you will receive:

- **Rangeland Monitoring Guide**
- **PVC Frequency/Point Frame**

This workshop is part of a Rangeland Monitoring Certification Program designed to train ranchers, agency professionals, and interested public to use accepted methods and statistical analysis to effectively monitor rangelands. By providing this training, The University of Arizona Cooperative Extension is working to promote sustainable agriculture and natural resource management.

Sincerely,

A handwritten signature in black ink that reads "Jeff Schalau".

Jeff Schalau
County Director
Associate Agent, Agriculture and
Natural Resources

To register for the Rangeland Monitoring Workshop, please fill out this form and return it to the Extension office by **November 6** with a check payable to:

**University of Arizona
Cooperative Extension
840 Rodeo Dr #C
Prescott, AZ 86302**

I would like to attend + _____
(\$10.00 per person)

Total = _____

Name(s) _____

Mailing Address _____

Phone _____

E-mail _____

Please register by November 6. If you register after November 6, you may not receive a Rangeland Monitoring Guide and Monitoring Frame.

Persons with a disability may request a reasonable accommodation, such as a sign language interpreter, by contacting Jeff Schalau at (928)445-6590. Requests should be made as early as possible to allow time to arrange the accommodation.