



## **WQL23 - Montana Supplement – REVISED 4/20/2011**

### **Protection of Sensitive Areas on Winter Grazing Land – (Water Quality Enhancement Activity)**

#### **Montana Clarification**

Sensitive Areas in Montana are: riparian areas, water courses, water bodies, and woody draws.

#### **Montana Specifications**

1. Producers are required to use one type of alternative shelter to provide livestock with protection from wind.
2. Alternative shelter design criteria and placement must follow guidelines from references listed below or NRCS design criteria. The local NRCS office can provide a copy of 561 Heavy Use Protection guidelines.
3. Fabricated shelter designs will meet the need of the entire herd
4. Supplemental feeding or mineral supplements will not be permitted within ¼ mile (1,320 feet) of riparian areas, water courses, or water bodies

#### **References**

Jairell, R. L. and R. A. Schmidt. 1991. Taming Blizzards for Animal Protection, Drift Control, and Stock Water. Proceedings, The Range Beef Cow Symposium XII, Dec. 3-5, 1991, Fort Collins, CO, 11 pages.

Johnson, D. Windbreak/shelter Fences. 1975. Great Plains Beef Cattle Feeding Handbook, GPE-5200. P. 5200. 1-4.

Jones, D. D. and W. H. Friday. Wind and Snow Control for the Farmstead. Emergency Management in Agriculture AE-102, Purdue University Cooperative Extension Service. 11 pages.

Meiman, P. 1993. Cost Analysis of Wind Protection Structures for Range Beef Cattle. Range Livestock Problem. University of Wyoming RGMG 4540-03. 15 pages.

#### **Incompatible Enhancements**

This enhancement may not be contracted with the following enhancements:

For pasture: ANM23

For range: none

#### **Eligible Land**

Pasture and range

#### **Applicable Acres**

Acres of pastureland or rangeland acres with sensitive areas where livestock should be excluded during winter months.

**Example (System)**

The applicable acres are all paddocks grazed during the winter on pastureland or rangeland that have sensitive areas needing protection. A participant has 2,000 acres of rangeland divided into 7 paddocks/pastures. The participant traditionally has used pastures 2 (333 ac) and 5 (440 ac) which each have wood draws, as his winter grazing areas. The applicable acres are 773 acres. The producer is willing to construct a fabricated shelter in pasture 5 in Year 2. The Toolkit plan would look like this:

	<b>Year 1</b>	<b>Year 2</b>	<b>Year 3</b>	<b>Year 4</b>	<b>Year 5</b>
<b>WQL23</b>		440 ac	440 ac	440 ac	440 ac

**Documentation Requirements**

1. A map showing the planned location(s) of fabricated shelter(s) in each pasture
2. An approved fabricated shelter design
3. Photographs showing shelters in the field

I acknowledge that I have read and understand all that is required for the implementation of this CSP Enhancement Activity.

\_\_\_\_\_  
Contract participant

\_\_\_\_\_  
Date