United States Department of Agriculture
Natural Resources Conservation Service

2012 Ranking Period 1

Plant Enhancement Activity – PLT16 – Intensive management of rotational grazing

Enhancement Description
This enhancement is for the harvest efficiency of grazing livestock to increase forage harvest, and to improve forage quality and livestock health. The grazing system is managed to produce high quality, nutritious forage and maintain plants with sufficient energy reserves to recover quickly when adequate soil moisture is available for regrowth. Generally, livestock are rotated through pastures in the grazing system based on their daily dry matter intake and nutritional requirements, and the physiological growth and nutritional stage of the forage plants. This enhancement is for rotational grazing systems with increased numbers of pastures or paddocks, the accompanying required infrastructure, shorter grazing periods, and increased stock density.

Land Use Applicability
Pastureland, Rangeland, Forestland

Benefits
The main benefits of Intensive Management of Rotational Grazing are efficient resource use with increased forage utilization, improved manure distribution, and nutrient cycling throughout the grazing acreage, and increased carbon sequestration resulting from greater forage harvest. Optimal environmental conditions are achieved by maintaining healthy, actively growing forage plants that protect the soil surface from erosion, thereby reducing risks to ground or surface water quality.

Conditions Where Enhancement Applies
This enhancement applies to all acres in the operation for the selected land use.

Criteria
A prescribed grazing plan is developed that increases harvest efficiency by utilizing a 75% increase in the number of pastures/paddocks per movement group (herd). See the attached "Supplement" for specifics on harvest efficiency.

Adoption Requirements
This enhancement is considered adopted when a prescribed grazing plan is complete, and implementation of the plan has begun, that incorporates a 75% increase in the number of pastures/paddocks, including the necessary infrastructure (fences/water/etc.)

Documentation Requirements

1. Copy of signed "National Supplement to Plant Enhancement Activity – PLT 16 – Intensive management of rotational grazing" certifying that a grazing plan has been implemented with a 75% increase in the number of paddocks/pastures for the herd (movement group) increasing the harvest efficiency resulting from greater stock density and reduced grazing time per pasture/paddock .

2. A map or aerial photo showing the pastures/paddocks making up the rotational grazing system. The layout of the pastures/paddocks both before implementation and after implementation shall be delineated on the map or photo.

United States Department of Agriculture
Natural Resources Conservation Service

2012 Ranking Period 1

National Supplement to Plant Enhancement Activity – PLT 16 – Intensive management of rotational grazing

State: _____ **Participant:** _____

Increase harvest efficiency resulting from greater stock density and reduced grazing time per pasture/paddock

Change the current grazing system to allow for an increased number of pastures or paddocks, including the necessary infrastructure (fences/water/etc.), shorter grazing periods, and increased stock density. The grazing plan should document the planned length of grazing periods in pastures and length of time between grazing periods for an overall reduction in total grazing activity per pasture and an increased harvest efficiency resulting from greater stock density and reduced grazing time per pasture/paddock because of the 75% increase in the number of paddocks/pastures for the herd (movement group).

Criteria: Use the following formula for documentation, and attach a plan map showing the location of the grazing system design. The following example is provided.

EXAMPLE:

A. Current # of Pastures/Paddocks 6
B. Planned # of Pastures/Paddocks 11
C. % Increase= ((B/A)-1)100% ((11/6)-1)100 = ((1.83)-1)100 = (.83)100% = **83%**

Grazing Plan:

A. Current # of Pastures/Paddocks _____
B. Planned # of Pasture/Paddocks _____
C. % Increase= ((B/A)-1)100 _____

Operation and Maintenance:
Operation: Livestock grazing plans should accommodate increased rest of grazing units, particularly during the active growing season of desirable rangeland and pasture species. Planned grazing use should not exceed 60% of annual production. Additional practices and inputs such as cross fences and water facility development may be required to facilitate adequate rest periods and increased harvest efficiency.

Maintenance: Grazing unit rotation of livestock should be accomplished annually, alternating the planned rotation sequence of grazing units each subsequent year, or specifically providing growing-season rest periods based on individual pasture condition.

Certification:
I certify that I have applied the grazing management system as explained in the narrative in the field(s) and listed in the table above.

Name: _____Date:_____

Michigan Supplement

PLT16

- Complete the National Supplement

- Revise the grazing plan for the operation to address the new paddocks and the adjustments in the grazing system. The grazing plan will reduce the grazing time per paddock so that the pastures are rotated more frequently. This wil increase the harvest efficiency. Utilize MI Technical Note Grazing #3 – Designing a Prescribed Grazing System.

GRAZING RECORDS

NAME:				Total Pasture Acres**:**			
Farm or Tract:							
Management Unit		Livestock		Date In	Forage Height Inches	Date Out	Forage Height Inches
Key Forage	Acres	Type	Number				

Notes: