

# MICHIGAN RED CLOVER VARIETY TRIALS, 2009

Richard H. Leep and Tim Dietz  
Department of Crop and Soil Sciences  
Michigan State University  
East Lansing, Michigan

The Michigan Agricultural Experiment Station will accept proprietary varieties and experimental strains of Red clover for evaluation in one location in 2009. The trials are designed for high yield utilizing all factors to maximize yield, with natural rainfall. Each site offered will provide exposure of varieties through various MSU Extension programs.

1. Locations.

*Michigan State University Research Farm at East Lansing.* Trials are intensively managed using a three-cut system. This testing site has produced up to ten tons per acre of alfalfa dry matter.

2. Description of Trial. Trials are seeded with a five-row plot seeder with six-inch spaces between rows in plots 3 feet wide and 25 feet long. A minimum of four replications is used. Plots are harvested with a Carter self-propelled forage flail harvester. Three cuttings (late May to early June, July 5-10, and August 10-20) in the year after seeding are normally taken at East Lansing.

Standard procedures for determining dry matter yield are used. Plots will be harvested for a minimum of three years after the seeding year unless stands are reduced by uncontrollable causes. Red clover will be clear-seeded in the spring and harvested one to two times in the seeding year. An herbicide is used for weed control at establishment. Seeding may be delayed until late July or early-August to achieve best results in stand establishment.

Data on stand longevity, disease reaction, and maturity will be obtained when appropriate. Winter injury and recovery data will be obtained at all locations. Michigan State University will conduct the trials in a professional manner but assumes no financial liability for failure to obtain stands or loss of stands due to uncontrollable conditions.

3. Eligibility of Entrants. Private developers or merchandisers of Red clover varieties or other Agricultural Experiment Stations may enter varieties or experimental strains. The developing firm (unit) or merchandising will make application for entry-company.

4. Rejection. Any entry may be rejected if:

- (1) There is misrepresentation.
- (2) Seed arrives too late for planting.
- (3) Adequate seed is not available.
- (4) The trial is cancelled.
- (5) Seed is a blend.

5. Entry Fee.

\$500.00 per variety

**Make checks payable to Michigan State University/Red clover and send to Dr. Richard Leep, Dept. of Crop and Soil Sciences, Michigan State University, East Lansing, MI 48824.**

6. Deadline for Entry. The applications should be in the possession of Dr. Rich Leep, Department of Crop and Soil Sciences, Michigan State University, East Lansing, Michigan 48824, FAX (517) 353-3515, e-mail: leep@msu.edu by **March 27, 2009**.
7. Seed Required. Seed should be received at MSU by **April 3, 2009**. Commercial seed may be sent to MSU through the central distribution center at the University of Wisconsin. Arrangements may be made with MSU to deliver commercial seed through local dealers, distributors, or other sources.

Released varieties: 200 grams of seed per entry for each location. Seed for released varieties is to be from a commercial source. Seed will be inoculated with Rhizobium at MSU prior to planting.

Experimentals: 100 grams per trial is adequate. Seed treated with a fungicide i.e. Apron will be accepted. Seed will be inoculated with Rhizobia at MSU prior to planting.

8. Publication. Data will be analyzed statistically and summarized annually. Each entrant will receive a yearly summary of the data in early January. The yearly summaries will be published in the annual MSU Perennial Forage Report and will be posted on the MSU Forage Information web site, [www.msue.msu.edu/fis/](http://www.msue.msu.edu/fis/).

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Submit one form for each variety or entry and send to the address below by **March 27, 2009**.

Seed of released varieties (200 grams per location from a commercial source) and experimentals (100 grams per location) should be received by **April 7, 2009**.

Blends will be accepted but composition must be specified.

1. Name of applicant \_\_\_\_\_  
Contact person \_\_\_\_\_

2. Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone (\_\_\_\_) \_\_\_\_\_ Fax (\_\_\_\_) \_\_\_\_\_

3. Name or number of entry \_\_\_\_\_  
(Please indicate name desired when data are reported)

4. Brief description (maturity, disease resistance, ploidy level)  
\_\_\_\_\_  
\_\_\_\_\_

Is this a released variety?      Yes    No

## SEED TEST

Date of Test \_\_\_\_\_

Purity \_\_\_\_\_

Germination, quick \_\_\_\_\_

Germination, hard \_\_\_\_\_

Germination, total \_\_\_\_\_

Scarified - yes or no (circle one)

State in which seed was grown \_\_\_\_\_

## Yield Comparison - Locations

East Lansing \_\_\_\_\_

**One Location=\$500.00**

Send entry forms and check (**payable to Michigan State University/Red clover**) for all locations to:

Dr. Richard H. Leep  
MSU Dept. of Crop and Soil Sciences  
481 Plant and Soil Sci. Bldg.  
East Lansing, MI 48824