

MICHIGAN ANNUAL FORAGE VARIETY TRIALS, 2020

Dr. Kim Cassida & Joe Paling
Dept. of Plant, Soil and Microbial Sciences, Michigan State University
1066 Bogue St Rm A286, East Lansing, MI 48824

The Michigan Agricultural Experiment Station will accept proprietary varieties and experimental strains of annual forages for evaluation under rainfed conditions at East Lansing and Chatham.

1. Description of Trials.

Locations: Two locations are offered in 2020.

- (1) MSU Research Farm, **East Lansing**
- (2) Upper Peninsula Research & Extension Center, **Chatham**

Planting dates: Four planting dates are offered at each location.

- (1) **Spring (May planting)**: small grains, field peas, small grain/pea mixtures, annual clovers (summer harvest)
- (2) **Early Summer (June planting)**: Sorghum, sudangrass, sorghum hybrids, millets, teff, crabgrass (late summer/fall harvest)
- (3) **Late Summer (August planting)**: annual/Italian ryegrass (fall and spring harvest)
- (4) **Fall Summer (September planting)**: winter triticale, wheat, rye, barley (spring harvest)

Data Collected: Yield

Trials are seeded with a Carter small plot nursery seeder with six-inch row spacing in plots 4 feet wide and at least 20 feet long. A minimum of four replications is used. The trials are harvested for yield by cutting the center 3 feet with a Carter self-propelled forage flail harvester at a time appropriate for optimum yield. All trials are managed for high yield using MSU recommendations for fertility, weed, and pest control under natural rainfall.

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.

2. Eligibility of Entrants. Any entity may enter varieties, experimental strains, blends, or mixtures in the test provided they have legal permission to do so for protected varieties. This includes private or public developers, dealers, distributors or merchandisers of alfalfa varieties, other Agricultural Experiment Stations, non-profit groups, farmer cooperatives, or individuals.

3. Rejection. Any entry may be rejected if:

- (1) The trial is cancelled. A minimum of 10 entries per test location may be required to hold a test.
- (2) There is misrepresentation.
- (3) Seed arrives too late for planting.
- (4) Adequate seed is not available.
- (5) Documentation of species/variety proportion in mixtures and blends is not provided.

4. Entry Fee. **\$300.00** per entry.

Make checks payable to Michigan State University and send with applications to:
Joe Paling, 1066 Bogue St. Rm A286, Michigan State University, East Lansing, Michigan 48824

Deadline for Entry. Applications, payment, and seed for Spring and Early Summer Tests must be received by Joe Paling by **April 15, 2020**. Applications, payment, and seed for Late Summer Tests must be received by Joe Paling by **July 1, 2020**.

5. Seed Required. Seed for released varieties is to be from a commercial source. Arrangements may be made with MSU to deliver commercial seed through local dealers, distributors, or other sources. If germination rates are above 90% the following weights per trial apply:

Wheat – 800 g seed	Triticale – 800 g seed
Barley – 800 g seed	Oats – 800 g seed
Rye – 800 g seed	Crabgrass – 400 g seed
Annual Ryegrass – 200 g seed	Teffgrass – 200 g seed
Italian Ryegrass – 200 g seed	
Oat/pea and triticale/pea mixtures – 600 g seed	
Annual clovers – crimson, berseem, balansa, arrowleaf, Persian – 200 g seed	
Forage sorghum, sudangrass, and sorghum hybrids, all millets – 500 g seed	
For other species and mixtures, contact us for advice before shipping seed.	

6. Publication. Each entrant will receive a yearly summary of the data in November, including all released and experimental varieties. The yearly summaries will be published in the *Michigan Farm News* in February. Complete test results will be published by Michigan State University Extension and will be posted on the MSU Forage Connection website <http://forage.msu.edu/>. Results will include the proportions of mixture components.
7. For assistance, contact Joe Paling at paling@msu.edu, cell 517-242-4155, or Kim Cassida at cassida@msu.edu, 517-353-0278.

MICHIGAN ANNUAL GRASS FORAGE VARIETY TRIALS, 2020

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Submit one form for each variety or entry and send to the address below with entry fee of \$300 per entry, location, and planting date. Entries for Spring and Early Summer planting dates must be received by April 15. Entries for Late Summer Planting Date must be received by July 1.

Seed of the following amounts (per location and Planting Date) is required.

Wheat – 800 g seed	Triticale – 800 g seed
Barley – 800 g seed	Oats – 800 g seed
Rye – 800 g seed	Crabgrass – 400 g seed
Annual Ryegrass – 200 g seed	Teffgrass – 200 g seed
Italian Ryegrass – 200 g seed	
Oat/pea mixtures – 500 g seed	
Annual clovers – crimson, berseem, balansa, arrowleaf, Persian – 200 g seed	
Forage sorghum, sudangrass, and sorghum hybrids, all millets – 500 g seed	
For other species and mixtures, contact us for advice before shipping seed.	

Marketer (commercial entries only)

Breeder

Company _____
Contact _____
Address _____
City, State ZIP _____
Phone/FAX _____
E-Mail address _____

Company _____
Contact _____
Address _____
City, State ZIP _____
Phone/FAX _____
E-Mail address _____

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

4. Brief description _____

5. Is this a released variety? Yes _____ No _____

6. Maturity (circle one) Early Medium Medium-late Late

7. Ploidy level (Ryegrass) _____

8. Rust Resistance Yes _____ No _____

9. Germination _____ Purity _____ Date of Test _____

Locations -- \$300.00 per entry per Location and Planting Date combination

East Lansing _____ Planting Date: Spring _____ Early Summer _____ Late Summer _____
Chatham _____ Planting Date: Spring _____ Early Summer _____ Late Summer _____

Payable to **Michigan State University**: ATTN: Joe Paling, 1066 Bogue Street Rm A286,
Michigan State University, East Lansing, MI 48824. Email: paling@msu.edu, Cell: 517-242-4155.