**MICHIGAN ANNUAL FORAGE VARIETY TRIALS, 2022**

# 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.

1. Description of Trials.

 Location: MSU Research Farm, **East Lansing**

Planting dates: two planting dates.

1. **Spring (May planting)**: Annual/Italian ryegrass grass and annual clovers (summer harvest and a following spring harvest of surviving entries). Spring small grains.
2. **Late Summer or September planting**: winter small grains (spring harvest)

Data Collected: Yield

Trials are seeded with either a Carter small plot nursery seeder or a tractor mounted research drill 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.

1. 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.
2. 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.
3. Entry Fee. **$300.00** per entry.

Make checks payable to Michigan State University and send with applications to:

Joe Paling, 4450 Beaumont Rd, PSM Agronomy Farm, Michigan State University, Lansing, Michigan 48910

Deadline for Entry. Applications and seed for Spring seeded Tests must be received by Joe Paling by **April 7, 2022**. Applications and seed for Late Summer Tests must be received by Joe Paling by **August** **15, 2022**.

1. 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

Annual clovers – crimson, berseem, balansa, arrowleaf, Persian – 200 g seed

For other species and mixtures, contact us for advice before shipping seed.

1. 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.
2. For assistance, contact Joe Paling at paling@msu.edu, cell 517-242-4155, or Kim Cassida at cassida@msu.edu, 517-353-0278.

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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 planting date must be received by April 7. Entries for late summer planting date must be received by August 15.

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 – 200 g seed

Annual Ryegrass – 200 g seed Teffgrass – 200 g seed

Italian Ryegrass – 200 g seed

Annual clovers – crimson, berseem, balansa, arrowleaf, Persian – 200 g seed

For other species and mixtures, contact us for advice before shipping seed.

**Marketer** *(commercial entries only)* **Breeder**

Company

Company

Contact

Contact

Address

Address

City, State ZIP

City, State ZIP

Phone/FAX

Phone/FAX

E-Mail address

E-Mail address

1. Name of entry

(Please indicate name desired when data are reported)

1. Brief description \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. Is this a released variety? Yes\_\_\_\_\_\_\_ No \_\_\_\_\_\_\_\_\_
2. Maturity (circle one) Early Medium Medium-late Late
3. Ploidy level (Ryegrass)
4. Rust Resistance Yes\_\_\_\_\_\_ No \_\_\_\_\_\_\_\_
5. Germination \_\_\_\_\_\_\_\_\_\_ Purity \_\_\_\_\_\_\_\_\_\_\_ Date of Test \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

East Lansing \_\_\_\_\_\_\_\_\_\_ Planting Date: Spring \_\_\_\_\_\_\_ Late Summer \_\_\_\_\_\_

Payable to **Michigan State University**: ATTN: Joe Paling, 4450 Beaumont Rd, PSM Agronomy Farm Michigan State University, Lansing, MI 48910. Email: paling@msu.edu, Cell: 517-242-4155.