



Trends in Variety Release at the University of Minnesota

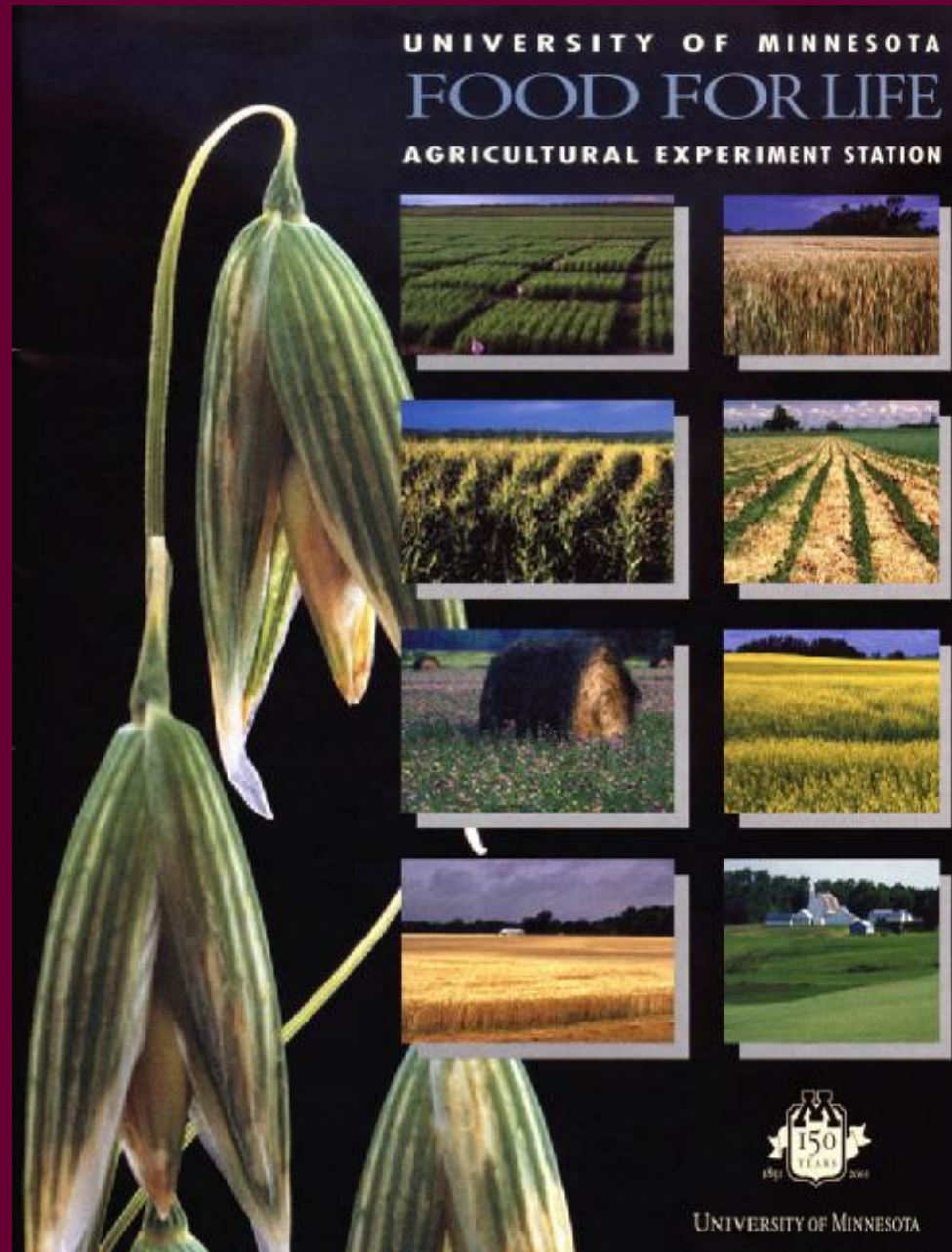
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Station

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Variety Release - History

- **1899 First Crop Variety Release (Wheat)**
- **1899 to Date:**
 - > **30 Wheat Varieties**
 - > **60 Soybean Varieties**
 - > **20 Oat Varieties**
 - > **18 Barley Varieties**

Food For Life

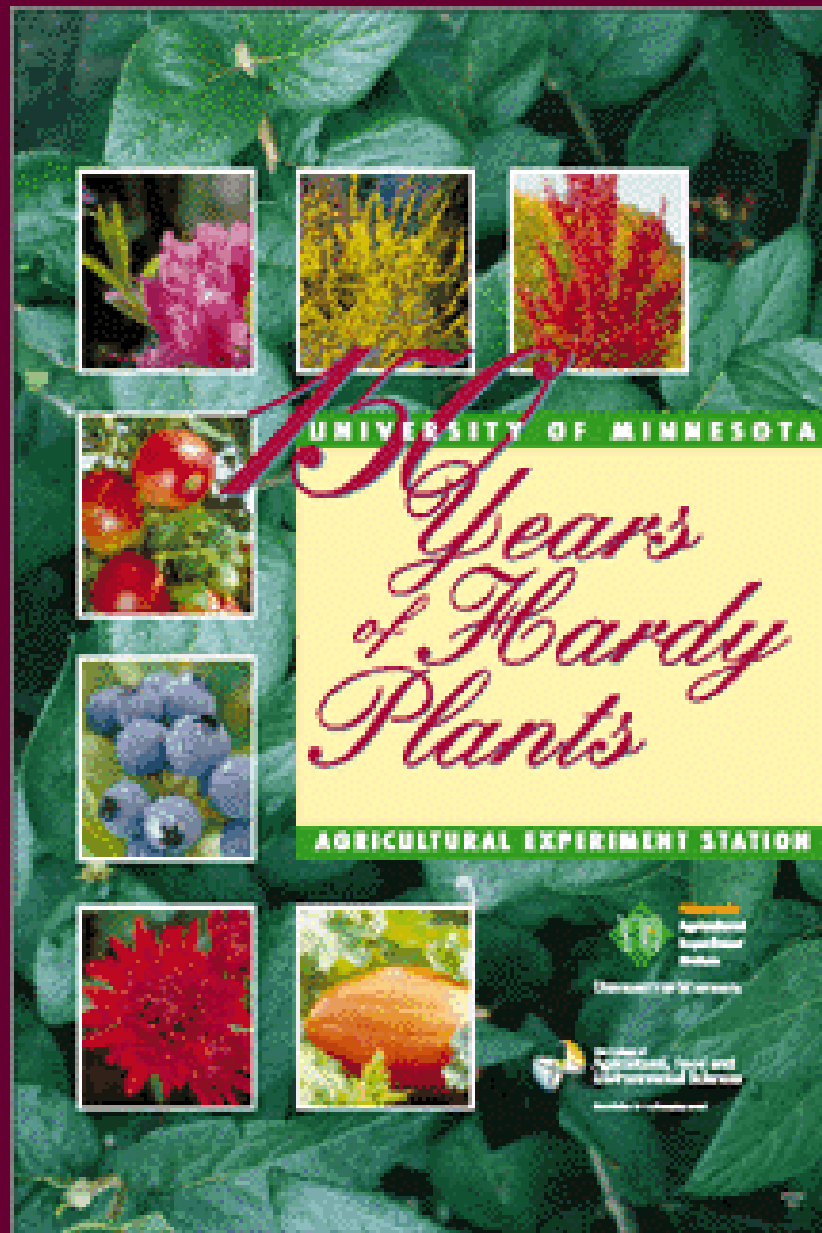


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Variety Release - History

- **1922 – Haralson Apple**
- **Over 100 varieties of fruits, more than 100 flowering plants and ornamentals, and more than 60 vegetable varieties have been named and released.**

150 Years of Hardy Plants



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Goals/Mission of Plant Breeding and Genetics Programs

- **Discovery**
- **Education**
 - Graduate
 - Undergraduate
- **Variety Release**



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Current Plant Breeding or Germplasm Release Programs

Horticulture

- **Small Fruit Breeding and Genetics**
- **Flowers (mums)**
- **Apple Breeding and Genetics**
- **Ornamental Woody plants**
- **Ornamental Grasses**
- **Grape Breeding and Genetics**
- **Potato Breeding and Genetics**



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Current Plant Breeding or Germplasm Release Programs

Field Crops

- Soybean Breeding and Genetics
- Spring Wheat Breeding and Genetics
- Barley Breeding and Genetics
- Oat Breeding and Genetics
- Wild Rice Breeding and Genetics (USDA)
- Grass Seed Breeding and Genetics
- Legume Breeding and Genetics

- Corn Genetics
- Alfalfa Genetics (USDA)



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Variety Release Trends- Present

- Reduction of Market Share for Publicly released varieties
- Reduced Funding from the State and Federal Government
- What is U of M Role



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Variety Release Trends Future



- **Reduction in public-release of varieties.**
- **Varieties released via license agreements.**
- **Changing role:**
 - **How are U of M varieties different than private.**
 - **How do we best serve agriculture of the State.**

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Variety Release Trends Future Unknowns

- **Role of Patents and PVP**
- **Funding and Ownership**

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