

Grape Research Activities at ISU

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Presented at the
Vines and Wine Workshop
Nashua, Iowa
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Grape Research Focus Areas

- Cultivar adaptation
- Disease management
- Culture / sustainability

Horticulture Grape Research Team



Dr. Paul Domoto



Brian
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(student)

Dennis
Portz
(student)

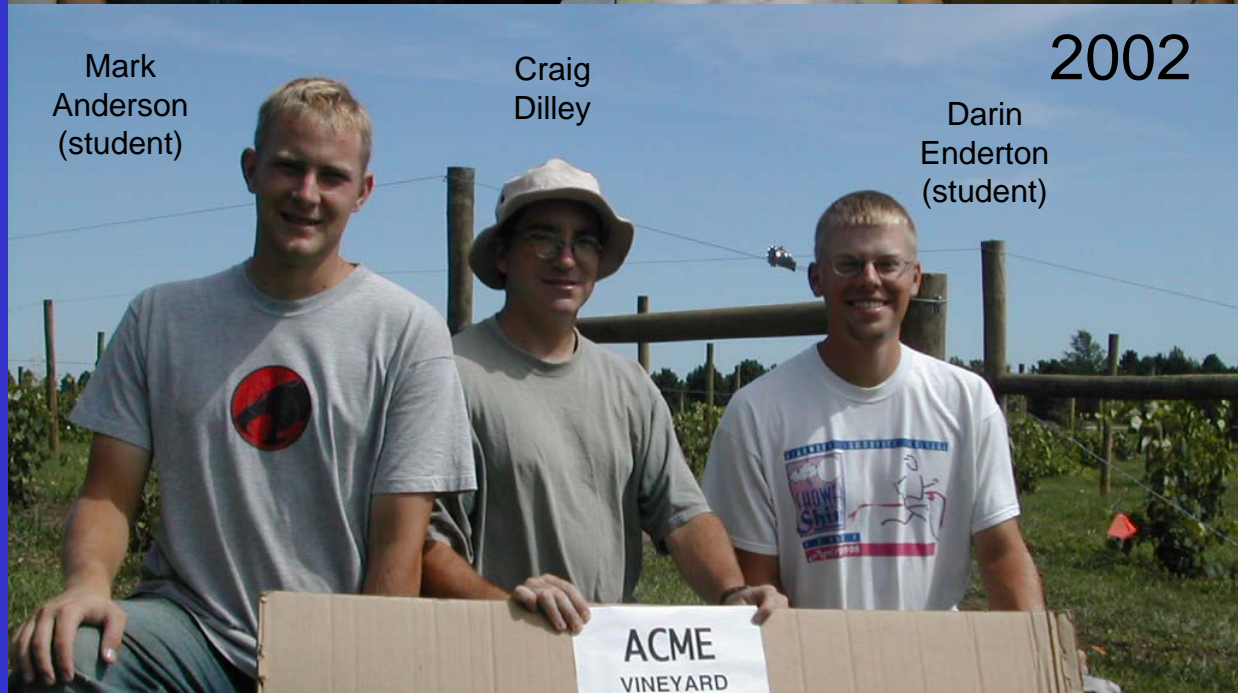
Casey
Barickman
(student)

2003

Dr. Gail
Nonnecke

Jill
Crozier
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Craig
Dilley
(Tech)



Mark
Anderson
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Craig
Dilley

Darin
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(student)

2002

ACME
VINEYARD

Grape Cultivar Studies

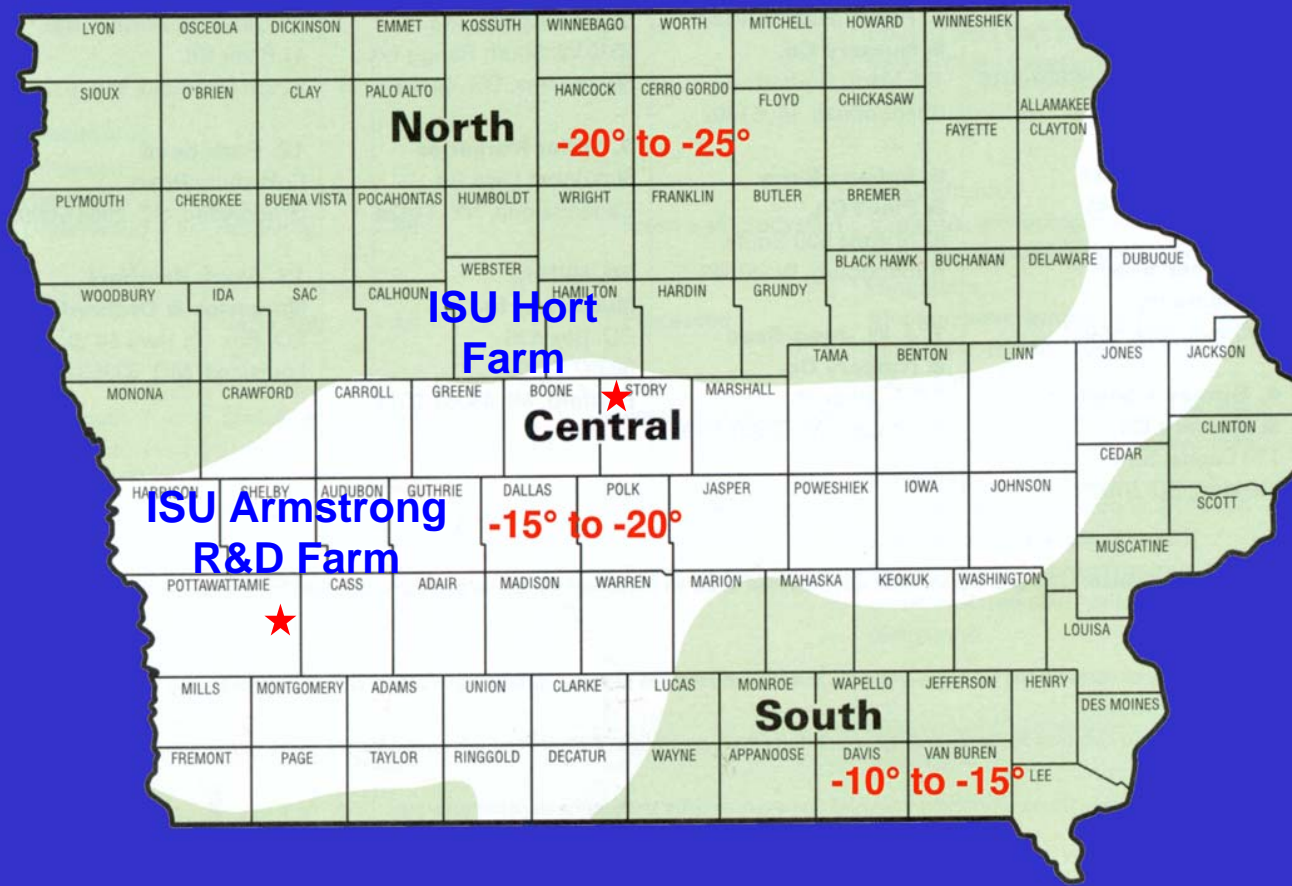
Project Leaders

Dr. Paul Domoto & Dr. Gail Nonnecke

Objectives:

- Identify grape cultivars that are adapted to the various regions of Iowa.
- Assess the cultural requirements of grapes cultivars grown under Iowa climatic conditions.
- Evaluate the quality and wine making potential of grape cultivars under different Iowa climatic and soil conditions.

2002 Leopold Grape Cultivar x Management Trial (Obj. 1) Planting Sites



Supported by a grant from the Leopold Center for Sustainable Agriculture.

Grape Cultivars

Wine		Table
Foch (5)	Seyval (4)	Marquis (4)
Frontenac (6)	La Crosse (5)	Vanessa (4)
Cynthiana (4)	Vignole (4)	Reliance (4)
St. Croix (6)	Traminette (4)	Mars (4)
Chambourcin (3)	Edelweiss (5)	Jupiter * (4)

* Planted in 2003

Hardiness Rating: 3 = Cold tender (-5 F); 4 = Moderately hardy (-10 F);
5 = hardy (-15 F); 6 = very hardy (-20 F)

Management Systems

Systems:	Weed Control	Insect & Disease Control	Fertilizer
Conventional	Herbicides	Calendar spray schedule	Inorganic sources
IPM / Best Management	Herbicides	Monitoring to determine need	Inorganic sources
Organic Approved	Mechanical & Mulch	Organic approved pesticides	Organic sources (corn gluten meal)

Laying a wheat straw mulch as 2-inch slabs.



A photograph of a vineyard. In the foreground, there are several grapevines with large, green, lobed leaves. Some leaves show signs of aging or damage, with some turning brown. The vines are supported by thin wooden stakes and secured with green plastic ties. A path made of straw mulch runs through the center of the vineyard, between the rows of vines. The background shows more grapevines and a grassy area. The overall scene is a well-maintained agricultural setting.

Wheat germinated
in some of the straw.

ISU Horticulture Farm

September 2002



The Horticulture Farm received timely rainfall, and most of the vines reached the top wire.