Characteristics of Cultivars in the ISU 2003 Wine Grape Trial
‘GR-7’

2003 Cornell University release.
- Season: Mid-season
- Vine vigor: very vigorous
- Hardiness: “very hardy”
- Semi-trailing growth habit.
- Bud break: very early - frost prone.
- Moderately productive on 2° buds.
- Growth habit: semi-procumbent
- G-tolerance to 2,4-D; susc. to dicamba.
- Requires basal shoot thinning & removing lateral shoots.
- Susc. to crown gall.
- Clusters are small & tight.
- Grapes are relatively low in acids; wines are rated good to very good.
- Appears suited for most growing regions of Iowa.
‘Noiret’ (‘nwahr-ay’)

2006 Cornell University release
(tested as NY73.136.17)

- Season: late season.
- Vine vigor: vigorous
- Hardiness: “moderately hardy”
- Semi-trailing growth habit.
- Bud break: late season.
- Somewhat productive on 2º buds.
- Growth habit: semi-procumbent
- G-tolerance to 2,4-D & dicamba.
- M-resist. to powdery mildew & bunch rot.
- Low acid cultivar w/ notes of black pepper.
- Appears suited for southern growing regions of Iowa; late maturity makes it questionable for much of Iowa.
NY76.0844.24

**Traminette x Ravat 34 selection.**
- Season: early mid-season.
- Vine vigor: vigorous
- Hardiness: “moderately hardy”
- Bud break: mid-season.
- Growth habit: semi-procumbent
- V-susc. to 2,4-D & dicamba.
- M-susc. to powdery & downy mildew.
- Shoot lignification occurs late; vines have been difficult to establish in ISU plantings.
- Clusters are m-large & loose; very prone to berry drop.
- Berries have a Muscat flavor.
- Appears better suited for southern growing regions of Iowa.
NY84.0101.04

NY62.0136.01 x Ravat 34

- Season: early mid-season.
- Vine vigor: vigorous
- Hardiness: “moderately hardy”
- Bud break: late season.
- Growth habit: procumbent
- Susc. to 2,4-D; m-susc. to dicamba.
- Clusters are m-large; berries have a fruity flavor.
- Appears better suited for southern growing regions of Iowa.
- Being consider as an improvement over Cayuga White, but no advantages appear evident in NY tests.
  - In IA, less bud injury was found after the April 2004 freeze.
  - Vine establishment has been difficult at 3 of 4 IA sites.
‘Corot noir’ ("kor-oh nwahr")

2006 Cornell University release (tested as NY70.0809.10)
- Season: late mid-season.
- Hardiness: “moderately hardy”
- Bud break: late season.
- Growth habit: semi-procumbent
- Moderately productive on 2° buds.
- Good tolerance to 2,4-D & dicamba.
- Susc. to downy mildew.
- Susc. to crown gall.
- Low acid cultivar.
- Appears suited for southern & central regions of Iowa; late maturity makes it questionable for northern Iowa.
‘La Crescent’

2002 Univ. of Minnesota release.

• Season: early
• Vine vigor: vigorous.
• Hardiness: “very hardy”.
• Bud break: very early with Maréchal Foch – frost prone.
• Growth habit: semi-procumbent
• Susc. to black rot, downy mildew, & crown gall.
• Somewhat susc. to 2,4-D; v-susc. to dicamba.
• Young shoots are sensitive to “blow out”.
• Moderately productive on 2° buds.
• Very loose clusters; berry set can be an issue.
• Suited for all regions of Iowa.
‘Prairie Star’

2001 Elmer Swenson release.
- Season: early
- Vine vigor: vigorous
- Hardiness: “very hardy”
- Bud break: mid-season
- Growth habit: semi-upright; suitable for training to a VSP system.
- Good disease tolerance; somewhat susc. to anthracnose
- M-susc. to 2,4-D & dicamba.
- Young shoots are sensitive to “blow out”.
- Moderately productive on 2° buds.
- Medium-small, tight clusters w/ thick-skinned berries.
- Excellent body & S/A balance.
- Suited for all regions of Iowa.
‘Frontenac Gris’

2003 Univ. of Minnesota release.

- Color mutation of Frontenac that can be made into a very high quality white wine.
- Bud break: mid-season with Frontenac.
- Vine characteristics are like Frontenac.
- Appears to mature just ahead of Frontenac.
- Slightly lower acids than Frontenac.
- Produces a clean, crisp white or salmon-tinged white wine w/ an apricot or peach flavor.
- Appears suited for all regions of Iowa.
‘Swenson White’

1994 Elmer Swenson release.

- Season: early mid-season
- Vine vigor: Vigorous
- Hardiness: “very hardy”
- Bud break: mid-season.
- Growth habit: semi-procumbent
- V-susc. to 2,4-D & dicamba.
- Low productivity on 2° buds.
- Large sized, moderately tight clusters w/ large berries.
- M-susc. to downy & powdery mildew
- Fruit have a pronounced floral aroma.
- Appears suited for all regions of Iowa.
‘Brianna’

2002 Elmer Swenson release.

- Season: Early mid-season
- Vine vigor: vigorous
- Hardiness: “very hardy”
- Bud break: early mid-season.
- Growth habit: procumbent
- Somewhat susc. to 2,4-D; m-susc. to dicamba.
- Endosulfan sensitive; somewhat sensitive to Nova + captan
- Productive on 2º buds.
- Medium-small, tight clusters w/ medium-large, thick-skinned berries.
- Produces a well balanced wine with a pineapple aroma & flavor.
- Promising as a seeded table cultivar.
- Appears suited for all regions of Iowa.
‘Marquette’

2006 Univ. of Minnesota release
(tested as MN 1211).
• Season: early
• Vine vigor: vigorous
• Hardiness: “very hardy”
• Bud break: very early – frost prone.
• Growth habit: semi-procumbent
• Moderately productive on 2° buds.
• M-susc. to 2,4-D & dicamba.
• Clusters are small.
• Berry set can be light.
• Have observed a variation in vine vigor between ISU research plots.
• Appears suited for most growing regions of Iowa.
MN-1198

MN-1117 x MN-1110

- Season: mid-season
- Vine vigor: vigorous
- Hardiness: “very hardy”
- Bud break: very early – frost prone.
- Growth habit: procumbent
- M-susc. to 2,4-D; susc. to dicamba.
- M-sized clusters w/ small berries.
- Juice is prone to oxidation; release is questionable.
- Appears suited for most growing regions of Iowa.
‘Cayuga White’

- Season: mid-season
- Vine vigor: vigorous.
- Hardiness: “Moderately hardy”.
- Bud break: late season?
- Growth habit: semi-procumbent
- M-susc. to downy mildew.
- Somewhat susc. to 2,4-D & dicamba.
- Not productive on 2º buds.
- Not adapted to shorter growing season sites.
- Appears suited for southern growing regions of Iowa.
‘Chancellor’

Introduced from France in the 1940’s

- Season: early mid-season
- Vine vigor: moderately vigorous
- Hardiness: “Moderately hardy”.
- Bud break: early mid-season.
- Growth habit: semi-procumbent
- Extremely susc. to downy; susc. to powdery mildew & phomopsis.
- Good tolerance to 2,4-D; susc. to dicamba.
- Produces 3-4 clusters per shoot; cluster thinning is necessary.
- Very productive on 2º buds.
- Appears suited for central and southern regions of Iowa.
‘De Chaunac’

Introduced into Canada from France in 1946

- Season: mid-season
- Vine vigor: vigorous.
- Hardiness: “moderately hardy”.
- Bud break: very early – frost prone.
- Growth habit: semi-upright; shoots lay over when trained to a VSP system.
- Produces 3-4 clusters per shoot; cluster thinning is necessary.
- Clusters are loose; berry set can be an issue.
- Very productive on 2° buds.
- M-susc. to powdery & downy mildew.
- Sensitive to sulfur fungicides.
- Good tolerance to 2,4-D & dicamba.
- Appears suited for central and southern regions of Iowa.
‘Esprit’

1984 Elmer Swenson release.

- Season: mid-season
- Vine vigor: Vigorous
- Hardiness: “hardy”
- Bud break: mid-season.
- Growth habit: semi-procumbent w/ few tendrils; easy to shoot position.
- Susc. to 2,4-D & dicamba.
- M-productive on 2° buds.
- Large, m-tight clusters w/ large berries.
- V-susc. to powdery mildew; m-susc. to downy mildew & Botrytis bunch rot.
- Suitable for wine and fresh.
  - Wine can be somewhat cloudy.
- Appears suited for most regions of Iowa.
‘Landot noir’ (4511)

Introduced into Canada from France in 1954

- Season: mid-season
- Vine vigor: moderately vigorous
- Hardiness: “moderately hardy”
- Bud break: very late-season.
- Growth habit: semi-upright
- M-susc. to 2,4-D.
- M-susc. to downy mildew & Botrytis bunch rot.
- Appears better suited for the warmer regions of Iowa.
‘Léon Millot’

Sister seedling of ‘Maréchal Foch’.
- Season: very early (5-7 days earlier than Foch)
- Vine vigor: Very vigorous
- Hardiness: “hardy”
- Bud break: early mid-season.
- Growth habit: procumbent
- V-susc. to powdery mildew; m-susc. to downy mildew.
- Requires lateral shoot thinning.
- Susc. to crown gall.
- Susc. to 2,4-D & dicamba.
- Produces small, tight clusters.
- Productive on 2º buds.
- Vines are more productive than ‘Foch’.
- Wines are similar to ‘Foch’, with distinct berry aromas, but not as popular.
- Appears suited for most regions of Iowa.
‘St. Vincent’

Off-type vine found in a vineyard near Augusta, MO

- Season: late
- Vine vigor: moderately vigorous
- Hardiness: “moderately hardy”
- Bud break: late-season
- Growth habit: upright; suitable for training to a VSP system.
- Good tolerance to 2,4-D; susc. to dicamba.
- Exhibits good disease tolerance.
- Requires a long growing season to properly mature; appears suited for only the warmest growing regions of Iowa.
‘Vidal blanc’ (Vidal 256)

Introduced from France in 1952

- Season: late mid-season
- Vine vigor: vigorous
- Hardiness: “moderately hardy”
- Bud break: late-season
- Growth habit: upright; suitable for training to a VSP system.
- Slightly susc. to 2,4-D & dicamba.
- V-susc. to powdery mildew, m-susc. to downy mildew.
- Produces large, tight clusters; requires cluster thinning.
- Periderm formation occurs late in season.
- Has been difficult to establish at northern sites in ISU trials.
- Appears suited for southern growing regions of Iowa.