

## CULTIVAR PROFILE

### Marquette (mar-KETT)

BY C. Oliver, and H. Caspari, 7/2025

**DRAFT**

MN 1094

X Ravat 262

*Interspecific Cross*    *Interspecific Cross*

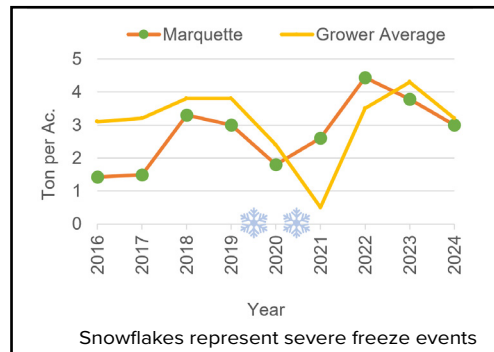
Commercially released 2006 by University of Minnesota Grape Breeding Program, MN, USA

### Descriptor

Marquette has quickly become a popular variety in the Midwest since its release<sup>1</sup>. It is frequently described as the most cold hardy variety available but is difficult to make into wine. It has been extensively studied by CSU on both sides of the Rocky Mountains. Leaves have three small lobes with heavy sawtoothing and clusters are medium-sized, moderately loose, with dark blue fruit.

### Growing Practices

Vines are considered moderate to high vigor, with a semi-upright growth habit that makes it suitable for both vertical shoot positioning and high wire trellising systems. In Colorado, the observed Growth habit is more downward, and we recommend a high-wire or Geneva Double Curtain training system. Marquette has moderate powdery mildew resistance, so only a limited spray program is required, if at all and it is not sensitive to sulfur.



### Concerns

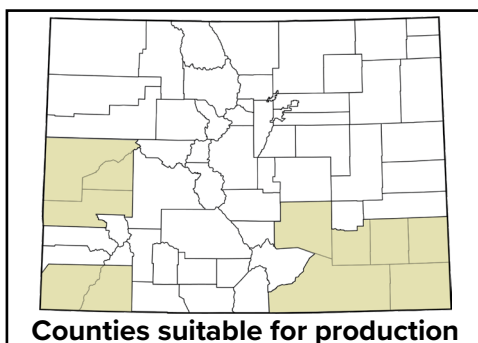
In high vigor areas, Marquette commonly will have multiple non-fruitful bull canes. Vines are also sensitive to standing water or “wet feet” and can experience issues with flood irrigation. This variety also deacclimates very early and quickly so it can be sensitive to late frosts. It is also highly sensitive to 2,4 D herbicide damage<sup>2</sup>.

### Colorado Research

Marquette has been tested in four different CSU test plots since 2011; the Orchard Mesa station, the Rogers Mesa station, and in two off-site, grower/collaborator locations: one in Clifton and one in Ft. Collins. The vines have weathered four severe frost events in Grand Junction, with 90% of vines surviving since planting in 2011 and numerous extreme frost events in Ft. Collins with 95% of vines surviving. There was 100 % survival at the two other sites.

### References

- 1 Teh, S. 2024. Cold Hardy Wine Grapes – Marquette
- 2 Dami, I. 2023. Ohio State University Extension ANR-0138.



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<https://col.st/OWMJA>.

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Photo credit: Charlotte Oliver

### Grand Valley Growth Profile

- Very early budbreak
- Early season ripening
- Aug 19<sup>th</sup> harvest
- 3.2 ton/ac average yield
- Small-medium cluster size

### Cold Hardiness

- -21 to -31 °F

### Flavors

- Cherry and spice
- Earthy undertones

### Juice Metrics

- 26.6 Brix
- 9.4 q/l titratable acidity
- 3.2 pH



Photo credit: Erin Norton

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