Potato Breeding Report 2023 University of Wisconsin-Madison



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http://potatobreeding.cals.wisc.edu/

Certified Seed Acreage

Figure 1 shows the 2020–2023 certified seed acreage for UW-Madison varieties released since 2016. In the fresh market red category, Red Prairie continues to show steady growth due to its adoption on multiple farms. W9426-3R is a high-setting variety under exclusive release for the red creamer market. Laona is a russet variety under exclusive release for the fry processing market.

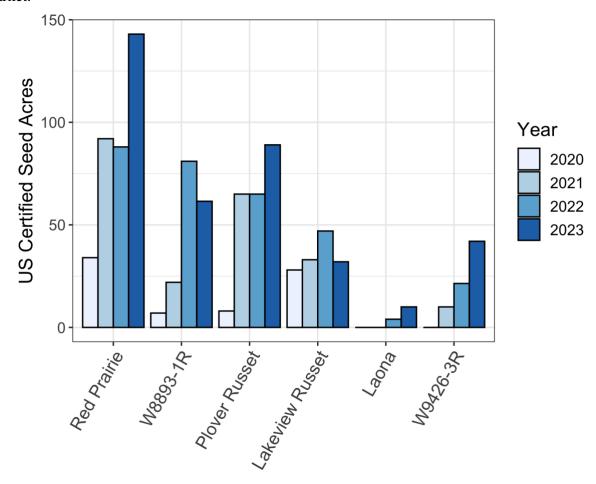
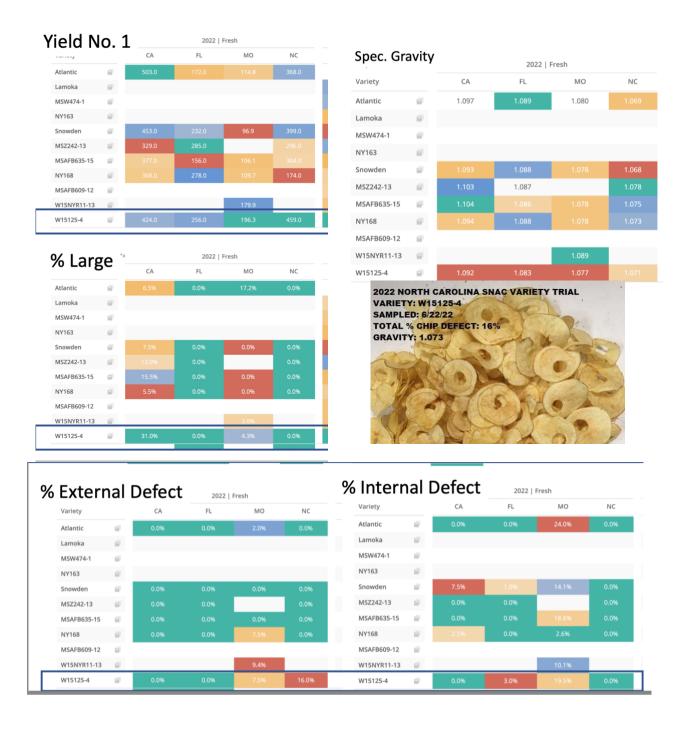
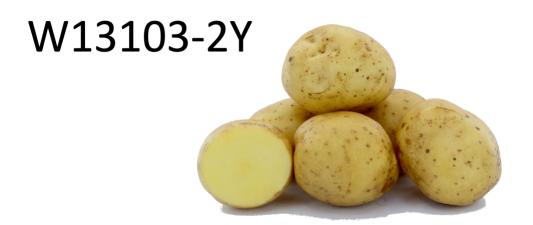


Figure 1. US Certified Seed Acreage for UW-Madison varieties released since 2016.

W15125-4

For the chip processing market, UW variety W15125-4 was trialed at multiple locations in 2023. This variety gained interest in the national trials for its ability to consistently outyield Atlantic (one of its parents). Its large size profile was of particular interest out West, where oversize tubers for fresh-cut fries are desired. From breeding program trials, we were already aware the variety did not have resistance to cold-induced sweetening. Overall color from off-the-field fry tests in the SNAC trial seemed acceptable at multiple locations, but fry defects were also observed. (All data and images below were retrieved from https://potatoesusa.medius.re.)





- · Fresh market yellow with round tubers and waxy skin
- High yields of A-size tubers
- Medium maturity
- · Resistant to common scab and hollow heart
- Potential for reduced nitrogen applications
- Certified seed available for 2025

Indigold



Minitubers available for 2024

Andi



Minitubers available for 2025

Acknowledgments

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