

# New Wireworm Resistant Sweetpotato Cultivars and Advanced Lines Available

From

**USDA Agriculture Research Service U.S. Vegetable Laboratory, Charleston, SC, and  
WSU Northwestern Washington Research and Extension Center, Mount Vernon, WA**

The new sweetpotato cultivar Cascade and advanced lines USDA-04-791 and USDA-04-284 are available following research trials at WSU NWREC in Mount Vernon, WA where they were productive and provide levels of resistance to insects common in this area.

## **CASCADE**

Rose-skin, cream-flesh, and dry-flesh type. Highly resistant to damage by the Wireworm-*Diabrotica-Systema* (WDS) complex and nematodes. Moderately high yield in northwest Washington. Storage roots are long elliptic and uniformly shaped.



## **PACIFIC SUNSET (USDA-04-791)**

Release date: July 4, 2026  
Red-skin, dark orange-flesh, and moist-flesh type. Highly resistant to damage by the Wireworm-*Diabrotica-Systema* (WDS) complex, root-knot nematodes and larvae of the white grub. Moderate resistance to the sweetpotato flea beetle. Vine growth type is spreading. Moderate yield in northwest Washington. Roots are elliptic (round to long) to ovate shaped.



## **GLACER GOLD (USDA-04-284)**

Release date pending.  
Dark red-skin, creamy yellow-flesh, dry-flesh type. Resistant to Wireworm-*Diabrotica-Systema* (WDS) complex. Moderate yield in northwest Washington. Storage roots are elliptic (round to long).



Table 1. Average yield (t·ha<sup>-1</sup>) of sweetpotato varieties and lines at WSU NWREC in Mount Vernon, WA in 2023, 2024 and 2025.

Cultivar	Jumbo	US no. 1	US no. 2	Fingerling	Cull	Marketable	Total
Bayou Belle	0	22.83	4.70	5.17	0.00	14.23	35.63
Beauregard	0	21.00	2.30	3.60	5.13	24.10	29.23
Cascade	0	3.73	4.00	4.50	7.67	12.47	20.17
Covington	0	17.43	3.73	2.73	4.83	21.70	26.50
Monaco	0	7.63	3.73	2.50	4.77	11.37	16.13
Orleans	0	19.53	3.17	2.43	3.43	24.97	29.63
USDA-04-284	0	9.37	2.10	2.00	3.57	12.70	16.20
USDA-04-791	0	7.83	1.20	3.07	5.00	10.50	15.50

Sizes of roots: jumbo (>22.9 cm length and >8.9 cm diameter), US no. 1 (7.6–22.9 cm length and 4.4–8.9 cm diameter), US no. 2 (3.8–4.4 cm diameter), fingerling (7.6–10.2 cm length and 2.5–3.8 cm diameter), and cull (storage roots of any size with off-shapes and/or damages from disease, rodents, bruises, or other means). Marketable yield is the sum of jumbo, US no. 1 and US no. 2 grades. Yield per hectare calculated using an in-row spacing of 25 cm and 1.8 m spacing between rows, for a plant population of 21,528 plants/ha. Yield conversion t·ha<sup>-1</sup> to pounds per acre – multiply by 892.179.

## Availability

Requests should be made to:

Dr. Carol Miles, WSU NWREC, 16650 State Route 536, Mount Vernon, WA 98273  
 email: [milesc@wsu.edu](mailto:milesc@wsu.edu)

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