



2026 COLUMBIA BASIN ONION CULTIVAR DEMONSTRATION RESULTS¹

Seed Company & Cultivar	Usable ² Yield T/A	Bulb Size and Defects ³ Yield by weight and (% of total bulb count)					Bulb Count ⁴
		Pre-pack (<2.25") T/A (%)	Medium (2.25-3") T/A (%)	Jumbo (3-4") T/A (%)	Colossal (>4") T/A (%)	Culls T/A (%)	
American Takii							
Outlander	27.6	1.1 (12)	7.8 (22)	18.8 (58)	0.0 (0)	2.9 (9)	47
Highlander ⁵	26.3	0.7 (9)	4.9 (28)	20.7 (56)	0.0 (0)	2.4 (8)	38
Switchback	29.8	0.4 (5)	8.2 (36)	20.8 (57)	0.4 (1)	0.2 (2)	44
Frontier ⁵	31.9	0.6 (6)	12.9 (50)	18.4 (43)	0.0 (0)	0.3 (2)	52
Traverse	30.1	1.5 (14)	11.8 (49)	16.8 (37)	0.0 (0)	0.3 (1)	51
Skyline	27.5	1.5 (13)	13.6 (56)	12.4 (31)	0.0 (0)	0.0 (0)	47
Ridge Line	34.0	1.3 (11)	8.3 (30)	23.2 (55)	1.2 (2)	0.8 (2)	50
Lodestar ⁶	24.9	0.1 (3)	1.5 (12)	19.5 (78)	3.7 (7)	0.0 (0)	24
Bejo Seeds							
Redwing (R)	32.4	0.6 (8)	11.0 (44)	20.8 (49)	0.0 (0)	0.0 (0)	49
Red Carpet (R)	34.4	0.8 (8)	7.6 (32)	25.5 (59)	0.5 (1)	0.0 (0)	48
Legend	38.9	0.5 (4)	4.7 (19)	33.1 (75)	0.6 (1)	0.2 (1)	49
Crockett	30.1	0.5 (6)	7.0 (33)	22.6 (60)	0.0 (0)	0.2 (2)	41
Hamilton	38.9	0.9 (10)	7.5 (32)	19.2 (41)	11.3 (14)	1.8 (4)	48
Delgado	49.6	0.6 (7)	6.3 (28)	39.5 (59)	3.2 (5)	0.6 (2)	47
Astoria	36.1	0.3 (3)	8.0 (3)	27.3 (62)	0.5 (1)	0.7 (2)	51
Crookham Co.							
Tantrum (R)	32.4	1.0 (4)	3.6 (20)	20.3 (52)	7.4 (13)	4.3 (11)	39
Defender	43.4	0.3 (3)	5.0 (21)	30.8 (65)	7.3 (11)	0.3 (1)	47
Caliber	33.2	0.7 (8)	4.5 (21)	21.5 (59)	6.5 (10)	0.5 (2)	42
Brundage (W)	36.0	0.1 (1)	6.9 (28)	27.9 (67)	1.2 (1)	1.1 (3)	47
Caldwell	35.7	0.2 (2)	4.1 (18)	25.9 (63)	5.5 (8)	3.2 (10)	47
Epic ⁵	39.9	0.5 (5)	5.8 (24)	32.2 (69)	1.4 (3)	0.0 (0)	46
White Cap (W)	36.9	0.3 (3)	6.3 (23)	26.3 (69)	4.1 (5)	0.1 (1)	52
Delightful ⁵	50.5	0.3 (4)	5.5 (18)	30.1 (53)	14.6 (17)	4.0 (8)	52
Trident	37.6	0.5 (5)	6.1 (27)	26.3 (60)	4.6 (7)	0.5 (2)	43
OLYX 12-990	33.4	0.9 (9)	4.8 (24)	25.2 (62)	2.6 (4)	0.4 (2)	45
OLYH 12-721	33.4	0.8 (8)	9.2 (40)	22.3 (51)	1.0 (1)	0.5 (1)	49

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Enza Zaden							
Tannat (R)	40.8	0.1 (1)	6.9 (28)	33.4 (69)	0.5 (1)	1.0 (1)	53
Barolo (R)	35.7	0.3 (3)	9.7 (39)	24.6 (54)	1.0 (1)	1.0 (4)	51
E61L 10937	31.1	0.5 (5)	11.6 (47)	18.5 (46)	0.5 (1)	0.7 (2)	48
Nunhems - BASF							
Airoso	38.6	0.6 (7)	7.4 (29)	29.6 (62)	1.0 (1)	0.0 (0)	52
Anillo	34.3	1.2 (11)	10.1 (39)	23.0 (49)	0.0 (0)	0.8 (1)	51
Arcero	38.3	0.2 (2)	2.5 (12)	26.0 (68)	9.6 (18)	0.3 (1)	37
Cometa (W)	42.2	0.3 (3)	5.4 (21)	34.4 (71)	2.2 (2)	1.7 (3)	50
Glorioso	40.3	0.6 (5)	8.7 (31)	31.0 (62)	0.0 (0)	0.7 (1)	54
Joaquin	37.8	0.4 (5)	4.6 (19)	28.6 (66)	4.2 (7)	1.3 (4)	45
Marengo (R) ⁵	41.3	0.5 (5)	2.6 (12)	35.2 (74)	2.9 (4)	1.7 (5)	47
Montero	37.4	0.0 (0)	5.0 (20)	29.7 (63)	2.7 (4)	5.7 (13)	50
NUN 6005 (R)	25.2	0.2 (0)	6.3 (31)	18.2 (49)	0.5 (1)	4.8 (17)	49
NUN 9011	36.7	0.5 (8)	5.8 (25)	30.3 (67)	0.0 (0)	0.1 (1)	49
Oloroso	36.2	0.1 (2)	4.0 (18)	29.3 (71)	2.9 (6)	0.8 (3)	43
Rhea (W)	37.5	0.3 (3)	4.1 (17)	32.6 (76)	0.5 (1)	0.4 (3)	46
Vaquero	42.1	0.4 (3)	5.1 (20)	32.7 (70)	3.9 (5)	1.0 (2)	50
Seminis - Bayer							
Hatchet	36.0	0.7 (6)	11.9 (44)	22.4 (48)	0.9 (1)	0.2 (1)	56
Red Garcia (R)	36.0	0.7 (9)	7.3 (31)	25.2 (55)	2.7 (3)	0.7 (2)	57
Mansfield	44.6	0.1 (1)	5.0 (20)	35.3 (73)	4.2 (6)	0.0 (0)	52
AVERAGES	35.9	0.5 (6)	6.8 (28)	25.9 (60)	2.6 (4)	1.1 (3)	47

¹ Yield data were collected from a 5-ft section of each plot and were averaged from three replicate plots, except where noted (see below).

² The usable yield is the cumulative yield of all bulb size categories in tons per acre, but does not include culls.

³ Yield for each size category and culls is expressed by weight in tons per acre, and by bulb count as a percentage of the total bulb count (shown in parentheses). Defects include split and double bulbs, bulbs with basal plate blow-out, bulbs with significant scale cracks, rotten bulbs, and bulbs with seed stalks.

⁴ The bulb count is the number of bulbs from a 5-ft section of each plot and is averaged from three replicate plots.

⁵ There were a few plots with extremely poor stands; data from those plots were not used, so yield results were determined from two replicate plots (see Highlander, Frontier, Epic, Delightful, and Marengo).

⁶ All of the Lodestar plots had very low bulb counts.

Onion Cultivar Trial Overview:

The onion cultivar trial was located in a center-pivot-irrigated onion field managed by AgriNorthwest near Plymouth, Washington. The field cultivar was Legend. The trial was planted on March 25, 2026, with a Stanhay vacuum planter on 40-in. beds with two double rows per bed and 4-in. in-row seed spacing. There were some challenges during planting, including a planter unit that was not working properly, which resulted in poor stands in some plots. Each cultivar was planted in three replicated plots. Plots were 40 in. wide by 30 ft. long with two double rows. The onions were lifted on August 28. A 5-ft section of each plot was topped on September 10 and hand-harvested on September 11.

Participating Companies:

American Takii, Inc., 301 Natividad Rd., Salinas, CA
Bejo Seeds, Inc., 1972 Silver Spur Place, Oceano, CA
Crookham Company, 301 W Warehouse St., Caldwell, ID
Enza Zaden USA, Inc., 7 Harris Place, Salinas, CA
Nunhems USA - BASF, 1200 Anderson Corner Rd., Parma, ID
Seminis Vegetable Seeds - Bayer, 800 North Lindbergh Blvd, St. Louis, MO

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HOST: AgriNorthwest

PLANTING: Jim Christopherson, *Bejo Seeds*

HARVEST: Samantha Moradel and Ethan Ross, *Keithly Williams*; Jim Christopherson, *Bejo Seeds*; Jimmy Graton and Curtis Mokler, *Gowan Seed*.

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