



2025 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	Powdery Mildew ⁵ 0-3	Tops Down ⁶ %
		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									
Frontier	33.1	0.0 (0)	3.1 (14)	30.0 (78)	0.0 (0)	2.2 (8)	38	X	100
Highlander	46.7	0.2 (2)	4.1 (12)	40.0 (64)	2.4 (3)	13.4 (19)	54	X	100
Lodestar	33.7	0.3 (5)	2.2 (10)	28.4 (58)	2.9 (7)	4.2 (21)	37	2.0	52
Outlander	45.4	0.1 (1)	2.3 (9)	40.6 (79)	2.4 (3)	3.6 (8)	46	X	100
Ridgeline	51.6	0.3 (2)	3.0 (12)	40.1 (68)	8.3 (10)	5.2 (9)	43	2.0	100
Switchback	38.4	0.2 (2)	4.5 (18)	31.4 (74)	2.5 (4)	0.4 (3)	38	X	100
Traverse	57.1	0.3 (1)	4.8 (15)	49.0 (78)	3.1 (3)	1.5 (3)	55	1.3	100
Bejo Seeds									
BGS 375	57.4	0.2 (2)	1.4 (5)	38.7 (65)	17.1 (22)	1.8 (6)	40	1.7	90
Crockett	50.8	0.2 (2)	1.3 (5)	37.2 (68)	12.0 (16)	3.4 (10)	38	1.7	12
Hamilton	43.7	0.1 (1)	1.5 (7)	31.8 (63)	10.3 (16)	3.6 (13)	36	1.3	22
Legend	67.8	0.4 (4)	0.6 (2)	44.6 (66)	22.2 (23)	2.5 (5)	50	1.3	60
Red Carpet (R)	41.1	0.1 (1)	0.5 (2)	35.6 (75)	4.9 (8)	3.7 (15)	37	2.0	3
Redwing (R)	47.7	0.4 (2)	4.9 (14)	38.9 (71)	3.5 (9)	0.4 (4)	47	1.7	8
Crookham Co.									
Brundage (W)	51.6	0.1 (1)	1.1 (4)	27.3 (42)	23.2 (27)	8.8 (25)	41	1.7	20
Caldwell	62.0	0.2 (2)	1.3 (6)	32.2 (55)	28.2 (32)	2.5 (6)	43	1.7	48
Caliber	41.0	0.2 (2)	2.5 (12)	16.4 (42)	22.0 (31)	4.4 (12)	33	3.0	7
Defender	54.5	0.2 (1)	1.9 (6)	25.5 (45)	27.0 (35)	4.6 (13)	39	2.7	12
Delightful	28.7	0.2 (1)	0.6 (1)	10.5 (17)	17.5 (16)	48.0 (65)	42	2.0	88
Epic	60.5	0.3 (2)	1.8 (6)	47.9 (79)	10.4 (12)	0.3 (1)	46	2.0	87
Scout	73.3	0.4 (2)	4.0 (10)	46.2 (55)	22.7 (17)	12.8 (17)	60	1.3	90
Tantrum (R)	62.6	0.4 (2)	4.9 (14)	36.7 (55)	20.7 (21)	4.9 (7)	56	2.7	93
Trident	54.5	0.3 (2)	2.5 (7)	37.3 (66)	14.4 (19)	2.8 (5)	43	2.0	88
White Cap (W)	72.2	0.1 (1)	2.2 (6)	57.9 (79)	12.0 (11)	2.1 (4)	55	2.0	55
Hazera Seeds									
Copperstone	50.4	0.1 (1)	0.9 (4)	19.0 (38)	30.4 (47)	3.9 (10)	31	1.7	28
Moonstone (W)	42.7	0.1 (1)	1.4 (6)	15.9 (33)	25.3 (35)	5.9 (25)	33	1.7	5

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		Pre-pack (<2.25") T/A (%)	Medium (2.25-3") T/A (%)	Jumbo (3-4") T/A (%)	Colossal (>4") T/A (%)					
Nunhems - BASF										
Airoso	61.0	0.5 (3)	5.0 (15)	45.8 (710)	9.8 (9)	0.5 (2)	53	1.3	87	
Anillo	59.7	0.5 (4)	1.8 (5)	48.7 (73)	8.7 (10)	3.3 (8)	49	2.0	75	
Arcero	72.2	0.1 (1)	0.7 (2)	46.7 (69)	24.7 (26)	1.0 (2)	50	2.0	77	
Campero	60.8	0.5 (6)	2.4 (9)	29.1 (52)	28.8 (30)	0.8 (3)	44	1.7	57	
Cometa (W)	69.0	0.1 (1)	1.2 (4)	32.0 (50)	35.7 (37)	1.8 (8)	42	1.3	18	
Glorioso	52.5	0.2 (2)	8.1 (26)	35.7 (62)	8.5 (9)	0.7 (1)	50	1.3	68	
Granero	58.6	0.1 (1)	2.9 (9)	49.2 (73)	6.4 (7)	3.3 (9)	50	2.0	73	
Joaquin	52.9	0.1 (1)	0.9 (4)	19.5 (39)	32.4 (41)	3.7 (16)	34	2.7	5	
Marengo (R)	42.7	0.3 (2)	2.8 (11)	33.3 (58)	6.4 (8)	4.9 (21)	44	2.0	45	
Montero	33.8	0.1 (2)	0.5 (3)	3.6 (10)	29.6 (61)	6.5 (24)	22	2.0	57	
NUN 6005	57.2	0.1 (1)	0.3 (2)	15.1 (29)	41.7 (51)	11.5 (18)	43	1.7	60	
NUN 7606	54.2	0.2 (1)	1.4 (5)	25.1 (49)	27.6 (38)	2.9 (7)	38	2.0	37	
Oloroso	47.8	0.6 (6)	1.3 (6)	37.1 (68)	8.8 (11)	2.7 (10)	41	2.0	25	
Rhea (W)	65.5	0.1 (1)	0.4 (1)	34.8 (55)	30.3 (37)	1.7 (6)	41	1.3	60	
Valero	69.0	0.2 (1)	3.2 (9)	53.6 (76)	13.0 (13)	0.0 (0)	53	1.7	87	
Vaquero	71.3	0.3 (4)	1.0 (4)	19.5 (30)	50.5 (62)	0.0 (0)	37	1.7	38	
Seminis - Bayer										
Hatchet	56.4	0.3 (2)	0.5 (1)	34.5 (62)	21.0 (27)	4.1 (8)	40	2.0	55	
Red Garcia (R)	53.1	0.1 (2)	2.8 (12)	31.7 (57)	18.4 (28)	0.5 (1)	37	2.0	78	
Tucannon	36.2	0.2 (2)	2.3 (11)	18.0 (45)	15.8 (24)	5.4 (18)	30	3.0	13	
AVERAGES										
	53.2	0.2 (2)	2.2 (8)	33.4 (58)	17.3 (22)	4.6 (11)	43	1.9	56.4	

¹ Yield data were collected from a 5-ft section of each plot and are averaged from three replicate plots.

² The usable yield is the cumulative yield of all bulb size categories in tons per acre and 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 Powdery mildew leaf symptom ratings on August 29; 0=no symptoms, 1=mild symptoms with lesions on a few plants, 2=moderate symptoms with lesions on most plants, 3=severe symptoms with lesions on all plants noticeable sporulation, X = no rating, not enough foliage to rate.

⁶ The percentage of the tops estimated to have fallen as of August 28, shown as averages from three replicate plots.

Onion Cultivar Trial Overview:

The onion cultivar trial was planted on March 27, 2025, with a Stanhay vacuum planter on 88-in beds with four double rows per bed and 4-in in-row seed spacing. Each cultivar was planted in three replicated plots. Plots were 34-in wide by 30-ft long with two double rows. The drip irrigated field was managed by Weyns Farms and was located east of Othello, Washington. Tops down (maturity) and severity of powdery mildew (foliar symptoms) were evaluated for each plot on August 28 and 29, respectively. The onions were lifted on September 18. A 5-ft section of each plot was topped on September 22 and hand-harvested on September 23.

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

Hazera USA, 3155 SW 10th Street, Suite 6L, Deerfield Beach, FL

Nunhems USA - BASF, 1200 Anderson Corner Rd., Parma, ID

Seminis Vegetable Seeds - Bayer, 800 North Lindbergh Blvd, St. Louis, MO

Special thanks for the cooperation and assistance of:

HOST: Weyns Farms

PLANTING: Jim Christopherson, *Bejo Seeds*

HARVEST: Bob Mittelstadt and Ethan Morrill, *Clearwater Supply*; Jason Turner, *TS&L Seeds*

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