

Onion Hybrid Performance

Paul Hendrickson and Harlene Hatterman-Valenti

Onion seed was planted on April 26, 2006 in 4-inch paired rows on 18-inch centers at 167,000 seeds/A. The experimental design was a randomized complete block design with four replicates. Best management practices were used for fertility, weed, disease, and insect control. All hybrids were harvested by September 15. Split and diseased bulbs were graded as culls regardless of diameter. Hybrids Highlander and Milestone were deleted from the analysis due to onion theft.

Onion										Carrington	
Hybrid	Seed source	Days to 1/2 down	Yield					Total	Culls	Single centers	# of bulbs
			1-2.25"	2.25-3"	3-4"	4-4.5"	cwt/A				
									%	1000s/A	
7200	NH	NA	8.2	26.5	107.8	0.0	142.5	0.0	81.8	27.2	
7404	NH	100.8	12.1	253.8	174.2	7.3	447.4	0.0	90.0	101.0	
7405	NH	118.0	15.0	216.0	191.0	0.0	422.0	0.0	67.5	92.1	
Calibra	BE	120.7	2.5	152.9	402.0	5.0	562.4	10.2	45.0	98.5	
Caveat (EX8117)	SE	116.0	10.9	160.9	315.4	0.0	487.1	0.0	37.5	92.6	
Citation (EX70004)	SE	111.0	11.5	375.1	208.1	0.0	594.7	0.0	66.7	139.8	
Cowboy	BE	109.3	9.5	215.5	229.6	0.0	454.7	0.0	15.0	90.8	
Crockett	BE	122.0	14.7	234.6	377.7	0.0	627.1	0.0	75.0	119.8	
Damascus (EX8112)	SE	118.3	7.0	224.2	294.6	0.0	525.7	0.0	56.7	101.6	
Infinity	NH	118.0	8.6	127.1	434.5	0.0	570.1	0.0	65.0	98.9	
Montero	NH	118.0	5.7	83.0	528.8	15.7	633.2	0.0	85.0	104.4	
Nebula	NH	117.5	6.8	150.9	336.7	0.0	494.4	0.0	72.5	93.0	
Pinnacle	SE	116.5	8.4	99.6	479.4	10.4	597.8	0.0	35.0	98.9	
Red Bull	BE	121.3	9.1	177.3	343.9	0.0	530.3	0.0	26.7	102.9	
Redline	BE	105.3	13.2	195.6	193.3	0.0	402.0	5.0	35.0	94.4	
Safrane	BE	121.0	6.7	112.2	409.3	6.7	534.8	0.0	33.3	88.9	
Sedona	BE	121.0	8.8	144.3	507.3	0.0	660.4	10.9	73.3	110.1	
Talon	BE	120.0	0.0	114.6	323.4	0.0	438.0	4.8	54.8	70.2	
Teton	SE	121.3	21.1	145.7	302.4	0.0	469.2	0.0	47.5	91.2	
Tioga	SE	118.5	12.7	219.2	427.2	0.0	659.1	0.0	52.5	125.7	
XP 7001	SE	118.5	22.1	309.6	103.5	0.0	435.2	0.0	35.2	116.2	
LSD (P=.05)		2.9	9.4	70.9	98.1	12.5	113.6	4.8	24.1	21.4	