

Table 18. Emergence of commercial sugarbeet varieties at the Paul Duncan farm, Minidoka, Idaho. 2003¹.

	17-Apr 16 DAP ² (%)	22-Apr 21 DAP (%)	25-Apr 24 DAP (%)	29-Apr 28 DAP (%)	Final Emergence Four Locations ³ (%)	Doubles ⁴ (%)
ACH Seeds						
Mustang	0.5	51.3	66.8	86.3	84.8	3.8
Crystal 217 R	3.8	70.3	75.3	82.3	83.0	1.5
Crystal 9906 R	2.5	61.5	68.8	83.5	84.8	7.6
Betaseed						
Beta 4035 R	0.0	35.0	53.3	69.8	73.9	0.9
Beta 4199 R	1.3	68.8	76.5	87.3	80.2	2.1
Beta 4490 R	1.5	70.5	76.3	81.5	83.3	4.0
Beta 4773 R	0.5	51.5	59.0	80.8	78.4	0.4
Beta 8220B	0.5	56.8	68.3	89.5	91.2	21.3
Beta 8348	1.3	56.8	69.3	80.5	83.1	0.4
Beta 8600	0.0	57.5	77.0	92.8	87.8	11.2
Beta 8859	1.5	77.8	85.0	98.0	89.1	13.5
Hilleshog/Syngenta						
HM Oasis	0.0	39.8	64.5	84.3	84.3	0.3
HM Owyhee	0.5	67.5	75.8	85.0	83.0	4.2
HM PM21	0.5	51.0	62.8	68.5	73.5	0.5
HM 1642	0.0	65.8	75.0	83.5	77.6	0.0
HM 2980 Rz	1.8	65.8	79.5	86.0	77.7	2.8
HM 2984 Rz	1.3	67.0	80.5	90.0	87.3	2.7
HM 2986 Rz	0.3	57.5	72.3	82.0	83.8	1.4
Holly Hybrids-Spreckels						
Acclaim Rz	0.0	49.3	63.5	76.3	80.4	0.4
Eagle Rz	0.0	54.3	66.8	81.5	76.7	0.4
Phoenix Rz	0.3	46.0	60.0	69.0	71.6	0.8
HH 120	2.8	47.3	53.8	60.8	61.4	0.5
HH 125	1.0	49.0	54.3	69.3	68.6	0.9
Seedex						
Cascade	0.5	63.8	73.3	84.0	83.9	0.7
Orbit	0.3	34.0	49.3	62.0	62.3	0.0
Puma	0.8	56.5	71.8	81.8	80.0	1.1
Raptor Rz	0.0	38.8	52.5	63.0	64.1	0.0
LSD (0.05)	1.6	15.9	13.1	10.8	6.2	
LSD (0.10)	1.4	13.3	11.0	9.0	5.2	
CV (%)	137.6	20.2	13.7	9.6	11.3	
Pr>F	0.0005	0.0001	0.0001	0.0001	0.0001	

¹ Planted April 1, 2003 next to the Minidoka Experimental Variety Trial; Plots were single row, 25 feet long. Data are the means of four replications, 100 seed/ replication.

² Days After Planting

³ The four locations are the Aberdeen, Jerome, Minidoka, and Nampa Variety Trial sites.

⁴ Percent doubles were determined using three replications of 100 seed each in laboratory germination tests. The same seedlots were subsampled for the field and laboratory tests. Percent doubles = [(# doubles)/(total # seed germinated)] x 100

When comparing two varieties, the values must differ by a value equal to or greater than the LSD (0.05) given at the bottom of each column to be considered significantly different in this test.