

Table 10. Phenotypic parameters for the Winter Cultivar trial for the University of Massachusetts. Agricultural Research Farm, South Deerfield, MA, 2015-2016*

Cultivar Entry	Winter survival rating	50% heading date (Julian)	Foliar disease ranking	Mean height (in)	Lodging/breakage
Charles	8.7 a	136.3 ijkl	2.2 cdefg	23.3 f	6.0 ab
Strider	9.0 a	140.0 cdefg	2.2 cdefg	33.5 abcdef	3.5 ab
McGregor	8.9 a	138.3 fghij	2.5 bcdefg	36.7 abc	2.8 ab
Thoroughbred	9.0 a	133.3 m	5.0 abcd	29.5 abcdef	2.5 ab
Endeavor	8.6 a	137.7 ghijk	4.2 abcdefg	29.9 abcdef	3.2 ab
Wintmalt	8.6 a	143.3 ab	4.3 abcdef	28.7 bcdef	2.0 ab
05ARS561	8.4 a	141.7 abcde	3.7 abcdefg	24.8 def	5.5 ab
06ARS633	8.4 a	140.7 bcdef	1.3 efg	30.8 abcdef	6.2 ab
02Ab669	8.8 a	139.0 efghi	2.8 bcdefg	32.4 abcdef	3.5 ab
04ARS640	9.0 a	136.7 hijk	2.0 defg	24.9 def	2.3 ab
SU-Mateo	8.8 a	140.3 cdefg	1.3 efg	32.5 abcdef	4.7 ab
Hirondella	8.8 a	140.3 cdefg	3.0 bcdefg	35.7 abcd	3.0 ab
Vincenta	8.5 a	139.3 defgh	1.7 defg	28.2 bcdef	6.8 a
10/069/1	8.9 a	138.3 fghij	3.3 bcdefg	30.5 abcdef	1.3 ab
Puffin	8.8 a	142.0 abcde	1.0 fg	31.2 abcdef	3.3 ab
10.0777	9.0 a	135.3 klm	3.5 abcdefg	26.3 cdef	2.3 ab
10.086	8.8 a	136.7 hijk	1.5 efg	23.6 ef	5.3 ab
DH130004	2.0 b	140.3 cdefg	5.8 ab	26.9 cdef	2.7 ab
DH130718	0.3 c	142.7 abc	4.5 abcde	27.0 cdef	1.0 b
MW11S4024-004	8.8 a	133.7 lm	5.5 abc	38.9 ab	4.5 ab
MW11S4029-002	8.8 a	136.0 jklm	6.8 a	37.0 abc	4.7 ab
MW12_4007-008	8.9 a	135.7 jklm	3.3 bcdefg	39.0 ab	5.0 ab
MW12_4042-002	8.8 a	141.0 bcdef	4.3 abcdef	39.1 ab	3.0 ab
6W11-0003	8.7 a	140.3 cdefg	3.2 bcdefg	36.6 abc	5.5 ab
6W11-0064	8.8 a	141.0 bcdef	4.3 abcdef	40.0 a	2.7 ab
6W13-7041	8.8 a	144.3 a	5.0 abcd	36.9 abc	5.3 ab
Calypso	8.8 a	140.0 cdefg	0.8 g	34.8 abcde	3.2 ab
Trial mean	8.2	139.0	3.3	31.8	3.8
2-row mean	7.6	139.3	2.8	28.1	3.9
6-row mean	8.9	138.8	3.8	35.7	3.6

*Means with the same letter in each column are not significantly different from one another (Tukey's HSD ranking $P \leq 0.05$)