

Table S1. *P*-values for cultivar, year, and the interaction between year and cultivar for fruit yield components measured in an evaluation of 20 hybrid cultivars and two grafted entries of muskmelon in 2018 and 2019 at three sites in Pennsylvania.

	Marketable number			Marketable weight			Unmarketable number			Unmarketable weight		
	western site	center site	south-eastern site	western site	center site	south-eastern site	western site	center site	south-eastern site	western site	center site	south-eastern site
Cultivar	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	<0.0001	0.0412	0.0003	<0.0001
Year	<0.0001	0.0306	0.1224	<0.0001	<0.0001	0.9742	<0.0001	0.4597	<0.0001	0.2702	0.4121	<0.0001
Year × cultivar	0.0349	0.0222	0.0026	0.0094	0.0023	0.0017	<0.0001	0.0038	0.0388	0.0435	<0.0001	0.0087

Table S2. *P*-values for cultivar, year, and the interaction between year and cultivar for fruit physicochemical components measured in an evaluation of 14 hybrid cultivars and two grafted entries of muskmelon in 2018 and 2019 at the center site in Pennsylvania.

	SSC (%)	Flesh pH	TA (%)	SSC/TA	Juiciness (% water content)
Cultivar	0.3721	0.0020	<0.0001	0.1800	0.0291
Year	<0.0001	<0.0001	<0.0001	0.0016	0.0032
Year × cultivar	0.0909	0.1727	<0.0001	0.6363	0.0845