

Table S8 Prediction model and verification of bulblets circumference in different varieties.

Variety	N	Bulblets circumference prediction model	R ²	F	P	D-W	MAE	AER
‘Apricot Fudge’	110	$y = 3.805 - 0.862x_1 - 0.014x_2 - 0.018x_3 + 0.043x_4 + 0.409x_5$	0.170	1.879	0.116	2.295	0.502	6.08
‘Easy Dream’	134	$y = 1.500 + 0.015x_1 + 0.023x_2 - 0.034x_3 + 0.066x_4 + 0.771x_5$	0.422	6.430	0.000	2.228	0.459	8.51
‘Easy Sun’	100	$y = 2.526 - 2.415x_1 - 0.008x_2 + 0.020x_3 + 0.295x_4 + 0.200x_5$	0.283	3.472	0.010	1.678	0.348	0.12
‘Easy Whisper’	78	$y = 1.354 + 0.792x_1 + 0.034x_2 + 0.034x_3 - 0.005x_4 - 0.318x_5$	0.040	0.358	0.874	2.586	0.538	8.96
‘Pearl Frances’	123	$y = 1.103 + 0.114x_1 + 0.015x_2 + 0.021x_3 + 0.152x_4 + 0.047x_5$	0.063	0.606	0.696	1.776	0.383	0.20
‘Pearl Melanie’	106	$y = 11.231 - 6.284x_1 - 0.040x_2 - 0.123x_3 + 1.006x_5$	0.151	1.635	0.170	2.380	0.585	14.39
‘Pearl White’	138	$y = 2.895 - 1.356x_1 + 0.070x_2 - 0.091x_3 + 0.496x_4 - 0.602x_5$	0.231	2.759	0.029	1.536	0.283	12.06
‘Pink Flight’	138	$y = -1.649 + 2.862x_1 - 0.056x_2 + 0.113x_3 + 0.117x_4 + 0.040x_5$	0.231	2.764	0.029	1.437	0.481	5.57
‘Purple Marble’	93	$y = 2.283 + 0.952x_1 + 0.007x_2 + 0.026x_3 - 0.020x_4 - 0.048x_5$	0.008	0.076	0.996	1.897	0.556	0.62
‘Red Twin’	62	$y = 10.364 - 5.374x_1 - 0.062x_2 - 0.114x_3 - 0.091x_4 + 0.955x_5$	0.250	2.265	0.070	2.007	0.470	2.29
‘Red Velvet’	92	$y = 6.213 - 4.284x_1 + 0.049x_2 - 0.040x_3 - 0.141x_4 + 0.495x_5$	0.096	0.911	0.483	2.390	0.762	16.01
‘Strawberry Event’	72	$y = 4.883 - 5.822x_1 + 0.055x_2 + 0.005x_3 - 0.001x_4 + 0.691x_5$	0.238	2.872	0.024	1.427	0.551	7.91
‘Tresor’	90	$y = 1.796 - 2.029x_1 + 0.078x_2 + 0.051x_3 + 0.217x_4 - 0.855x_5$	0.072	0.679	0.642	1.557	0.450	8.07
‘Tribal Dance’	106	$y = 4.223 + 0.024x_1 - 0.062x_2 - 0.040x_3 - 0.182x_4 + 0.878x_5$	0.081	0.815	0.545	1.919	0.326	7.91
‘Yellow Cocotte’	61	$y = -2.525 + 1.608x_1 + 0.035x_2 + 0.104x_3 + 0.109x_4 + 0.792x_5$	0.405	6.273	0.000	1.897	0.211	0.37
‘Hotel California’	163	$y = 3.600 + 0.423x_1 - 0.068x_2 - 0.035x_3 + 0.063x_4 + 0.539x_5$	0.272	3.432	0.010	1.645	0.554	12.42
‘November Rain’	88	$y = 5.177 - 1.477x_1 - 0.096x_2 - 0.026x_3 + 0.005x_4 + 1.548x_5$	0.214	2.551	0.043	1.709	0.480	5.81
‘Eyeliner’	84	$y = 9.532 - 3.889x_1 + 0.362x_2 - 0.153x_3 - 1.365x_4 + 0.028x_5$	0.101	0.989	0.435	2.174	0.543	12.71
‘Royal Sunset’	90	$y = 4.899 - 1.681x_1 - 0.046x_2 + 0.008x_3 - 0.073x_4 + 0.375x_5$	0.100	0.955	0.456	1.866	0.475	6.96
‘Yellow Diamond’	73	$y = 2.484 - 0.672x_1 + 0.047x_2 - 0.028x_3 + 0.196x_4 + 0.265x_5$	0.152	1.577	0.186	1.786	0.427	6.79