

Table S9 Prediction model and verification of bulblets weight in different varieties.

Variety	N	Bulblets weight prediction model	R ²	F	P	D-W	MAE	AER
‘Apricot Fudge’	110	$y = 0.898 - 0.306x_1 - 0.013x_2 - 0.011x_3 + 0.001x_4 + 0.282x_5$	0.231	2.761	0.029	2.081	0.188	11.10
‘Easy Dream’	134	$y = -0.002 + 0.049x_1 + 0.002x_2 - 0.007x_3 + 0.009x_4 + 0.269x_5$	0.322	4.176	0.003	2.361	0.140	15.34
‘Easy Sun’	100	$y = 0.431 - 0.972x_1 - 0.005x_2 + 0.009x_3 + 0.105x_4 + 0.078x_5$	0.254	3.002	0.020	1.585	0.121	1.42
‘Easy Whisper’	78	$y = -0.619 + 0.637x_1 + 0.019x_2 + 0.013x_3 + 0.015x_4 - 0.145x_5$	0.042	0.377	0.861	2.543	0.215	24.29
‘Pearl Frances’	123	$y = -1.274 + 0.703x_1 + 0.008x_2 + 0.018x_3 + 0.136x_4 - 0.083x_5$	0.138	1.442	0.228	2.032	0.128	1.91
‘Pearl Melanie’	106	$y = 5.336 - 3.599x_1 - 0.018x_2 - 0.082x_3 + 0.030x_4 + 0.522x_5$	0.153	1.658	0.164	2.293	0.331	43.53
‘Pearl White’	138	$y = 0.383 - 0.314x_1 + 0.022x_2 - 0.028x_3 + 0.150x_4 - 0.197x_5$	0.234	2.812	0.027	1.954	0.056	16.69
‘Pink Flight’	138	$y = -1.490 + 1.370x_1 - 0.023x_2 + 0.048x_3 + 0.045x_4 - 0.025x_5$	0.185	2.086	0.084	1.374	0.144	14.66
‘Purple Marble’	93	$y = 0.370 + 0.096x_1 + 0.001x_2 + 0.012x_3 - 0.011x_4 + 0.034x_5$	0.013	0.119	0.988	1.811	0.278	8.86
‘Red Twin’	62	$y = 4.125 - 2.462x_1 - 0.026x_2 - 0.059x_3 - 0.068x_4 + 0.430x_5$	0.279	2.636	0.041	1.948	0.181	15.49
‘Red Velvet’	92	$y = 2.240 - 1.644x_1 + 0.015x_2 - 0.029x_3 - 0.072x_4 + 0.277x_5$	0.103	0.982	0.440	2.611	0.302	33.57
‘Strawberry Event’	72	$y = 1.031 - 1.615x_1 + 0.010x_2 - 0.002x_3 + 0.036x_4 + 0.203x_5$	0.239	2.895	0.024	2.135	0.175	6.97
‘Tresor’	90	$y = 0.291 - 0.718x_1 + 0.024x_2 + 0.011x_3 + 0.059x_4 - 0.246x_5$	0.051	0.473	0.795	1.678	0.160	11.48
‘Tribal Dance’	106	$y = 0.929 - 0.157x_1 - 0.016x_2 - 0.016x_3 - 0.037x_4 + 0.294x_5$	0.118	1.229	0.311	1.932	0.084	28.05
‘Yellow Cocotte’	61	$y = -1.934 + 0.810x_1 + 0.016x_2 + 0.045x_3 + 0.072x_4 + 0.120x_5$	0.454	7.650	0.000	2.067	0.072	5.77
‘Hotel California’	163	$y = 1.032 - 0.077x_1 - 0.027x_2 - 0.014x_3 + 0.022x_4 + 0.191x_5$	0.293	3.808	0.006	1.670	0.132	15.87
‘November Rain’	88	$y = 1.821 - 1.095x_1 - 0.043x_2 - 0.022x_3 + 0.005x_4 + 0.885x_5$	0.187	2.118	0.080	1.555	0.211	14.92
‘Eyeliner’	84	$y = 0.48 + 0.272x_1 - 0.001x_2 - 0.009x_3 + 0.036x_4 + 0.044x_5$	0.029	0.263	0.931	1.960	0.201	5.40
‘Royal Sunset’	90	$y = 0.44 - 0.607x_1 - 0.009x_2 + 0.013x_3 + 0.020x_4 + 0.181x_5$	0.102	0.981	0.440	2.292	0.354	14.20
‘Yellow Diamond’	73	$y = -0.301 - 0.185x_1 + 0.03x_2 - 0.005x_3 + 0.136x_4 + 0.036x_5$	0.146	1.502	0.209	1.633	0.208	23.94