Report of investigation

FloraHolland Quality: 6061
Test number: 378
Grower: SION
Administration number: 005115
Variety: Gin Tonic, KHM2191, Limitation, Passion New, SI3537, Tession
Product code: 104998

Number of plants:	10
Pot size:	11.5 cm
Land of origin:	Netherlands

Description: FloraHollandQuality

Start date: 11-05-2015

Method of investigation

We submitted the investigated plants to a sales simulation, according to the conditions mentioned in the appendix. In the consumer phase we evaluated the plants once a week. The evaluation criteria are based on the evaluation card for the specific product (www.vbn.nl). The most important criteria are the leaf quality (ornamental value foliage, scale 1-5) and when applicable, the number of good flowers. The shelf life ends when there are no good flowers left and/or the ornamental value is poor (score 1). The found average is based on the number of days in the consumer phase. The transport- and the store simulation are not included.

Results

Average longevity(days)	> 56,0
Percentage reached at day 56	100 %
Rejection criteria	
Number of tested plants	10

Day	Phase	number of good Flowers	number of stems	Ornamental value foliage	number of buds	number of flowers that have ended flowering	number of rejected buds
-14	Transport simulation	2,7	2,0				
-7	Store simulation	3,8		4,4	14,4	0,0	0,0
0	Consumer simulation	6,7		4,4		0,0	0,5
7		8,3		4,3		0,0	1,0
14		9,4		4,2		0,1	0,0
21		11,5		4,0		0,3	0,2
28		12,6		4,0		0,3	0,2
35		13,4		4,0		0,2	0,0
42		14,5		4,0		0,1	0,2
49		15,4		4,0		0,1	0,2
56		15,7		4,0	0,7	0,7	0,0

The results in the table are the average values of all tested plants.

Na de winkelfase en na 1,3,4,6 en 7 weken consumentenfase hadden enkele planten enkele afgestoten knoppen aan de bovenkant van de tak.
Na 2 weken consumentenfase was de eerste uitbloei zichtbaar.
Aan het einde van de test waren bij vijf planten nog niet alle knoppen open.

Conclusie:

De houdbaarheid van de geteste Phalaenopsis gemengd was zeer goed.
De kwaliteit van het blad was goed.
Gedurende de test bloeiden de planten goed door.
In totaal waren er 22 afgestoten knoppen.
Na 8 weken consumentenfase werd de test afgerond en stonden alle planten nog op tafel.

All results per day

Observation: Ornamental value foliage

	Product name	Day:-7	Day:0	Day:7	Day:14	Day:21	Day:28	Day:35	Day:42	Day:49	Day:56
plant1	Gin Tonic	4	4	4	4	4	4	4	4	4	4
plant2	Limitation	5	5	5	5	4	4	4	4	4	4
plant3	Passion New	5	5	5	5	4	4	4	4	4	4
plant4	Passion New	5	5	4	4	4	4	4	4	4	4
plant5	KHM2191	5	5	5	4	4	4	4	4	4	4
plant6	Limitation	4	4	4	4	4	4	4	4	4	4
plant7	SI3537	4	4	4	4	4	4	4	4	4	4
plant8	Gin Tonic	4	4	4	4	4	4	4	4	4	4
plant9	Limitation	4	4	4	4	4	4	4	4	4	4
plant10	Tession	4	4	4	4	4	4	4	4	4	4

Observation: number of good Flowers

	Product name	Day:-14	Day:-7	Day:0	Day:7	Day:14	Day:21	Day:28	Day:35	Day:42	Day:49	Day:56
plant1	Gin Tonic	3.0	4.0	6.0	6.0	6.0	10.0	12.0	14.0	16.0	18.0	24.0
plant2	Limitation	3.0	6.0	10.0	10.0	10.0	10.0	10.0	12.0	12.0	13.0	13.0
plant3	Passion New	3.0	4.0	9.0	10.0	12.0	13.0	16.0	16.0	16.0	15.0	11.0
plant4	Passion New	1.0	2.0	6.0	9.0	10.0	13.0	15.0	15.0	15.0	15.0	15.0
plant5	KHM2191	2.0	3.0	6.0	9.0	9.0	12.0	13.0	12.0	12.0	12.0	12.0
plant6	Limitation	3.0	4.0	5.0	7.0	9.0	10.0	10.0	10.0	11.0	13.0	13.0
plant7	SI3537	2.0	4.0	6.0	9.0	11.0	12.0	12.0	14.0	21.0	22.0	22.0
plant8	Gin Tonic	3.0	4.0	7.0	10.0	11.0	16.0	17.0	19.0	20.0	24.0	24.0
plant9	Limitation	5.0	5.0	8.0	8.0	9.0	9.0	9.0	9.0	9.0	9.0	10.0
plant10	Tession	2.0	2.0	4.0	5.0	7.0	10.0	12.0	13.0	13.0	13.0	13.0

Observation: number of rejected buds

	Product name	Day:-7	Day:0	Day:7	Day:14	Day:21	Day:28	Day:35	Day:42	Day:49	Day:56
plant1	Gin Tonic	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
plant2	Limitation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
plant3	Passion New	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
plant4	Passion New	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
plant5	KHM2191	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
plant6	Limitation	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	0.0	0.0
plant7	SI3537	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
plant8	Gin Tonic	0.0	0.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
plant9	Limitation	0.0	0.0	0.0	0.0	1.0	1.0	0.0	0.0	1.0	0.0
plant10	Tession	0.0	3.0	3.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0

Observation: number of stems

	Product name	Day:-14
plant1	Gin Tonic	2.0
plant2	Limitation	2.0
plant3	Passion New	2.0
plant4	Passion New	2.0
plant5	KHM2191	2.0
plant6	Limitation	2.0
plant7	SI3537	2.0
plant8	Gin Tonic	2.0
plant9	Limitation	2.0
plant10	Tession	2.0

Observation: number of buds

	Product name	Day:-7	Day:56
plant1	Gin Tonic	19.0	0.0
plant2	Limitation	9.0	1.0
plant3	Passion New	17.0	0.0
plant4	Passion New	13.0	0.0
plant5	KHM2191	11.0	1.0
plant6	Limitation	15.0	2.0
plant7	SI3537	14.0	0.0
plant8	Gin Tonic	19.0	0.0
plant9	Limitation	10.0	2.0
plant10	Tession	17.0	1.0

Observation: number of flowers that have ended flowering

	Product name	Day:-7	Day:0	Day:7	Day:14	Day:21	Day:28	Day:35	Day:42	Day:49	Day:56
plant1	Gin Tonic	0.0	0.0	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
plant2	Limitation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
plant3	Passion New	0.0	0.0	0.0	0.0	2.0	0.0	0.0	0.0	1.0	6.0
plant4	Passion New	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
plant5	KHM2191	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0	0.0
plant6	Limitation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
plant7	SI3537	0.0	0.0	0.0	0.0	1.0	3.0	1.0	1.0	0.0	1.0
plant8	Gin Tonic	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
plant9	Limitation	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
plant10	Tession	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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The quality management system of the Postharvest Knowledge Centre is ISO 9001:2015 certified.

378. Consumer simulation day number 56

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Appendix

Conditions Transport simulation

Duration (days)	7
Packaging	tray, sleeve
Temperature	15ºC ± 1ºC
Relative humidity	75 ± 10%
Light level	± 0 µmol s-1m-2
Light colour	n.a
Air refreshment	every 2 hours
Air speed	< 0,5 m/s
Ethylene concentration	< 0,1 ppm
Water supply	none

Conditions Store simulation

Duration (days)	7
Packaging	tray
Temperature	20ºC ± 1ºC
Relative humidity	60 ± 10%
Light level	± 13,5 µmol s-1m-2
Light colour	840
Air refreshment	every 2 hours
Air speed	< 0,5 m/s
Ethylene concentration	< 0,1 ppm
Water supply	if necessary

Conditions Consumer simulation

Duration (days)	56
Packaging	-
Temperature	20ºC ± 1ºC
Relative humidity	60 ± 10%
Light level	± 13,5 µmol s-1m-2
Light colour	840
Air refreshment	every 2 hours
Air speed	< 0,5 m/s
Ethylene concentration	< 0,1 ppm
Water supply	if needed

Key to symbols

Kind of observation: Ornamental value foliage

5	excellent, product without defects, 0% affected
4	good, product with minor quality critism 0-5% affected
3	satisfactory, product is still suitable for sale, 5-15% affected
2	moderate, product is not suitable for sale, 15-25% affected
1	poor, product which a consumer will discard, >25% affected