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Extension Division
Virginia Polytechnic Institute
and State University

MH 179
November 1978



1978
VARIETY
TRIAL
REPORT

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and

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ACKNOWLEDGMENTS

The authors wish to thank the many individuals who assisted with the planning, seeding, transplanting, maintenance, and data collection of the 1978 variety trials. Special thanks are due the seed producers and distributors that donated seeds and supplies. Trade and brand names are used only for the purpose of information, and the Virginia Cooperative Extension Service does not guarantee nor warrant the standard of the product, nor does it imply approval of the product to the exclusion of others which may also be suitable.

BLACKSBURG TRIALS

In charge: Dr. A. J. Lewis III
Department of Horticulture
Virginia Polytechnic Institute and State University
Blacksburg, Virginia 24061

The Horticulture Department's Variety Trial Garden is situated on the campus of Virginia Polytechnic Institute and State University. The campus lies on a plain between the Blue Ridge and Allegheny Mountains, 2100 feet above sea level. The frost-free growing season of approximately 135 days is characterized by warm days and cool nights. Average annual rainfall is 38 inches (96 cm). The garden is an official All-America Selections Flower Trial Garden.

The garden covers approximately 2 acres (.8 hectares), and consists of 18 rectangular beds 4 feet (1.2 m) wide and 100 feet (30 m) long separated by wide grass strips. The soil is a clay loam amended with rotted sawdust. Prior to planting, a slow release form of 18-12-14* was incorporated at the rate of 10 pounds per 1000 square feet (4.5 kg/93 sq m) and the beds were mulched with aged sawdust. Mid-way through the growing season, another broadcast application of 18-12-14 was applied at the same rate.

The small-seeded varieties were sown in flats in early March and later transplanted to peat strips. The large-seeded varieties were direct seeded in peat strips in early April. All plants were set in the garden the week of May 15. The plants were watered in and then spot watered as necessary until established. Adequate rainfall occurred throughout the season such that it was only necessary to irrigate infrequently.

The beds were edged with Paraquat to prevent invasion of weeds; interior weeding was done by hand. The garden was sprayed several times with Sevin to control a severe infestation of Japanese beetles, and occasionally with Benomyl and Diazinon as preventive sprays.

Data was taken as close to bloom as possible. Information recorded for each variety includes: trial number, plant name, variety, seed source (see code), identification or control number, height (cm), height range (cm), average spread (cm), flower size (cm), color (see code), disease incidence, performance rating, and comments. All plants were set on 12 inch (30 cm) centers; spread was recorded as "M" (massed) if plants had grown together. Flower size refers to flower or floret diameter or spike length accordingly unless otherwise noted. Disease incidence ratings were based on the following scale: 0 = none, 1 = minor, 2 = moderate, 3 = extensive. Performance ratings were based on the following scale: 0 = died, 1 = poor, 2 = fair, 3 = good, 4 = excellent.

*Provided by O. M. Scott & Sons, Marysville, Ohio

1978 SEED SOURCE CODE

SOURCE

AA ALL-AMERICA SELECTIONS, 4546 EL CAMINO REAL, SUITE A, LOS ALTOS, CA
BP W. ATLEE BURPEE CO., FORDHOOK FARMS, DOYLESTOWN, PA 18901
BR BUDGER SEEDS LTD., P.O.BOX 5090, EL MONTE, CA 91734
BY ERNEST BENARY, POSTFACH 109, 351-HANN MUENDEN, W. GERMANY
CL L. CLAUSE, S. A., AVENUE LUCIEN CLAUSE, 91220 BRÉTIGNY-SUR-ORGE, FR
CG CHARLES GABURIAU, BOITE POSTAL 49, 64200 BIARRITZ, FRANCE
DH DENHOLM SEEDS, P.O.BOX 1381, LUMPAC, CA 93436
GS GOLDSMITH SEEDS, P.O.BOX 1349, GILROY, CA 95020
HA JOSEPH HARRIS CO., 3670 BUFFALO ROAD, ROCHESTER, NY 14624
PK GEO. W. PARK SEED CO., P.O.BOX 31, GREENWOOD, SC 29647
RS ROYAL SLUIS, P.O.BOX 22, ENKHUIZEN, NETHERLANDS, 1940
TK TAKII & CO., P.O.BOX 7 KYOTO CENTRAL, KYOTO, JAPAN, 600

1978 COLOR CODE

COLOR

BL BLUE
BG BURGUNDY
BR BRUNZE
CM CREAM
CR CHERRY-RED
CS CRIMSON
CU CHARTREUSE
DB DARK-BLUE
GO GOLD
LB LAVENDER-BLUE
LP LIGHT-PINK
MR MAHOGANY-RED
MX MIXED COLORS
OC ORCHID
OG ORANGE
UP ORCHID-PURPLE
US ORANGE-SCARLET
PK PINK
PP PLUM-PINK
PR PRIMROSE
PM PLUM
PU PURPLE
RO RED
RU ROSE
RP ROSE-PINK
SA SALMON
SB SKY-BLUE
SC SCARLET
SP SALMON-PINK
SR SALMON-RED
VL VIOLET
WH WHITE
WN WINE
WP WINE-PURPLE
WR WINE-RED
YW YELLOW

1978 VARIETY FLOWER TRIALS

PLANT	VARIETY	SOURCE	ID NO	HEIGHT	HT RANGE	SPREAD	FLW SIZE	COLOR	DISEASE	RATING	COMMENTS
AGERATIUM	SPINDRIFT	GA	78F01C	12	07-14	26	11	MB	00	24	
AGERATIUM	(UNNAMED)	AA	78F01C	16	14-20	33	11	SB	00	33	
AGERATIUM	BLUE SURF	AS	78F01C	12	17-27	35	11	LB	00	34	
AGERATIUM	NORTH SEA	AK	10140	33	18-24	M	11	LB	10	24	
AGERATIUM	BISCAYA	HA	10140	13	11-25	M	12	LM	10	44	
AGERATIUM	BLUE JAY	AA	20231	18	14-20	M	12	MX	10	44	
AGERATIUM	(UNNAMED)	AA	78F31C	18	14-20	M	12	MX	10	44	
AGERATIUM	PASTEL	AA	403	8	15-18	18	8	MX	10	33	DID NOT FL
AGERATIUM	CHARM MIXED	AA	78F02C1	5	29-67	45	8	MX	10	33	
AGERATIUM	EARLY	AA	78F02C2	5	43-91	29	8	MX	10	33	LATE
AGERATIUM	NUVALETIS	AA	8828	6	60-08	44	8	VH	00	33	
AGERATIUM	SNOWBANK	BS	13930	13	13-20	29	13	WH	00	33	
AGERATIUM	VERDO PURE WHITE	RS	13926	17	16-25	20	13	WH	00	33	
AGERATIUM	VERDO LIGHT PINK	RS	13924	17	16-25	20	13	WH	00	33	
AGERATIUM	VERDO DEEP PINK	RS	13922	11	17-22	15	13	WH	00	33	2 OFFTYPE
AGERATIUM	FLAMINGO	RS	13834	16	17-22	15	13	WH	00	33	
AGERATIUM	ARLENE PINK	RS	14034	19	16-20	18	13	WH	00	33	
AGERATIUM	COCO SALIGHT	RS	14032	16	16-20	18	13	WH	00	33	
AGERATIUM	CUCO BELLA	RS	14032	14	16-20	18	13	WH	00	33	
AGERATIUM	CUCO DUCOLOR	RS	14036	17	16-20	18	13	WH	00	33	
AGERATIUM	GLORIAMUR	GA	78F03	15	09-20	17	05	SK	1	33	NO GERM
AGERATIUM	(UNNAMED)	AA	78F03C	18	09-26	18	05	SC	1	34	NO GERM
AGERATIUM	ORIENTAL	AS	13832	18	10-21	18	02	SC	0	3	NO GERM
AGERATIUM	INDIAN MAID	RS	13832	12	09-18	16	03	SC	0	3	NO GERM
AGERATIUM	BALL DE VAUX	RS	13832	12	09-18	16	03	SC	0	3	NO GERM
AGERATIUM	BASEL	PK	0301	4	37-50	M	05	GG	00	44	
AGERATIUM	(UNNAMED)	AA	78F04C	36	32-41	M	05	MX	00	44	
AGERATIUM	JULIETA	AA	78F04C	36	32-41	M	05	MX	00	44	
AGERATIUM	WHEAT KNIGHT	RS	15705	4	32-41	M	05	MX	00	44	
AGERATIUM	WHITSON KNIGHT	RS	15705	4	32-41	M	05	MX	00	44	
AGERATIUM	SCARLET KNIGHT	RS	15705	4	32-41	M	05	MX	00	44	
AGERATIUM	(UNNAMED)	AA	78F05C	29	32-41	M	05	MX	00	44	
AGERATIUM	(UNNAMED)	AA	78F05C	29	32-41	M	05	MX	00	44	
AGERATIUM	(UNNAMED)	AA	78F06C	4	32-41	M	05	MX	00	44	
AGERATIUM	(UNNAMED)	AA	78F06C	4	32-41	M	05	MX	00	44	
AGERATIUM	FEATHER	AA	78F610	2	32-41	M	05	MX	00	44	
AGERATIUM	QUEEN MIX	AA	78F07	10	32-41	M	05	MX	00	44	
AGERATIUM	(UNNAMED)	AA	78F07	15	32-41	M	05	MX	00	44	

1978 VARIETY FLOWER TRIALS

OB	PLANT	VARIETY	SOURCE	ID NO	HEIGHT	STRENGTH	FLW SIZE	DIS EASE	REMARKS	COMMENTS
48	OSMOS	SALE	AS	78F07C	81	M	107	1		
49	OSMOS	SOLE	GS	28031	17	M	104	0		
50	OSMOS	CH	GS		17	M	105	0		
51	OSMOS	CH	GS		22	M	105	0		
52	OSMOS	LET	GS		10	M	104	0		
53	OSMOS	CH	GS		25	M	104	0		
54	OSMOS	CH	GS		25	M	104	0		
55	OSMOS	CH	GS		25	M	104	0		
56	OSMOS	CH	GS		25	M	104	0		
57	OSMOS	CH	GS		25	M	104	0		
58	OSMOS	CH	GS		25	M	104	0		
59	OSMOS	CH	GS		25	M	104	0		
60	OSMOS	CH	GS		25	M	104	0		
61	OSMOS	CH	GS		25	M	104	0		
62	OSMOS	CH	GS		25	M	104	0		
63	OSMOS	CH	GS		25	M	104	0		
64	OSMOS	CH	GS		25	M	104	0		
65	OSMOS	CH	GS		25	M	104	0		
66	OSMOS	CH	GS		25	M	104	0		
67	OSMOS	CH	GS		25	M	104	0		
68	OSMOS	CH	GS		25	M	104	0		
69	OSMOS	CH	GS		25	M	104	0		
70	OSMOS	CH	GS		25	M	104	0		
71	OSMOS	CH	GS		25	M	104	0		
72	OSMOS	CH	GS		25	M	104	0		
73	OSMOS	CH	GS		25	M	104	0		
74	OSMOS	CH	GS		25	M	104	0		
75	OSMOS	CH	GS		25	M	104	0		
76	OSMOS	CH	GS		25	M	104	0		
77	OSMOS	CH	GS		25	M	104	0		
78	OSMOS	CH	GS		25	M	104	0		
79	OSMOS	CH	GS		25	M	104	0		
80	OSMOS	CH	GS		25	M	104	0		
81	OSMOS	CH	GS		25	M	104	0		
82	OSMOS	CH	GS		25	M	104	0		
83	OSMOS	CH	GS		25	M	104	0		
84	OSMOS	CH	GS		25	M	104	0		
85	OSMOS	CH	GS		25	M	104	0		
86	OSMOS	CH	GS		25	M	104	0		
87	OSMOS	CH	GS		25	M	104	0		
88	OSMOS	CH	GS		25	M	104	0		
89	OSMOS	CH	GS		25	M	104	0		
90	OSMOS	CH	GS		25	M	104	0		
91	OSMOS	CH	GS		25	M	104	0		
92	OSMOS	CH	GS		25	M	104	0		
93	OSMOS	CH	GS		25	M	104	0		
94	OSMOS	CH	GS		25	M	104	0		

&WH BICOLR

1978 VARIETY FLOWER TRIALS

TRIAL	OBS	PLANT	VARIETY	SOURCE	IDNO	HEIGHT	HT RANGE	SPREAD	FLWSIZE	COLOR	DISEASE	RATING	COMMENTS
95	95	IMPATIENS	SHADE KING	AA	5270	48	4	M	04	XX	0	4	
96	96	IMPATIENS	GLASTEL	AA	5235	45	5	M	04	XX	0	4	
97	97	IMPATIENS	PAELLA	AA	5058	23	3	M	04	XX	0	4	
98	98	IMPATIENS	(KEMED)	AA	5070	68	8	M	07	PP	1	4	1 OFFTYPE
01	01	LAVATERA	(UNAGKA)	AA	78F13C	23	3	M	07	PP	1	4	
02	02	LOBELIA	(UNAGKA)	AA	78F15C	36	6	M	06	GG	0	4	
03	03	MARRIGOLD	(UNAGKA)	AA	78F16C	33	3	M	04	RR	0	4	
04	04	MARRIGOLD	(UNAGKA)	AA	78F16C	34	4	M	05	RR	0	4	
05	05	MARRIGOLD	(UNAGKA)	AA	1241	48	8	M	04	RR	0	4	
06	06	MARRIGOLD	(UNAGKA)	AA	7798	38	7	M	05	RR	0	4	
07	07	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
08	08	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
09	09	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
10	10	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
11	11	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
12	12	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
13	13	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
14	14	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
15	15	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
16	16	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
17	17	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
18	18	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
19	19	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
20	20	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
21	21	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
22	22	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
23	23	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
24	24	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
25	25	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
26	26	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
27	27	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
28	28	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
29	29	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
30	30	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
31	31	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
32	32	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
33	33	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
34	34	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
35	35	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
36	36	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
37	37	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
38	38	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
39	39	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
40	40	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
41	41	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
42	42	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
43	43	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
44	44	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
45	45	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
46	46	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
47	47	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
48	48	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
49	49	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
50	50	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
51	51	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
52	52	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
53	53	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
54	54	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
55	55	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
56	56	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
57	57	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
58	58	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
59	59	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
60	60	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
61	61	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
62	62	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
63	63	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
64	64	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
65	65	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
66	66	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
67	67	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
68	68	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
69	69	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
70	70	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
71	71	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
72	72	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
73	73	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
74	74	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
75	75	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
76	76	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
77	77	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
78	78	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
79	79	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
80	80	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
81	81	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
82	82	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
83	83	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
84	84	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
85	85	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
86	86	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
87	87	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
88	88	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
89	89	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
90	90	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
91	91	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
92	92	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
93	93	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
94	94	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
95	95	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
96	96	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
97	97	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
98	98	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
99	99	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	
100	100	MARRIGOLD	(UNAGKA)	AA	6	22	2	M	04	GG	0	4	

1976 VARIETY FLOWER TRIALS

OBS	TRIAL	PLANT	VARIETY	SOURCE	IDNO	HEIGHT	HT RANGE	SPREAD	FLW SIZE	COLOR	DISEASE	RATING	COMMENTS
1890	1	UNIA	DR	GS		25	08--35	M	08	PU	0	3	1 OFFTYPE
1891	1	UNIA	UC	GS		25	08--35	M	08	PU	0	3	VEINED
1892	1	UNIA	CL	GS	7418	25	08--35	M	06	PM	0	3	
1893	1	UNIA	AP	GS		25	08--35	M	07	WH	0	3	
1894	1	UNIA	HO	GS		24	08--30	M	06	WH	0	3	
1895	1	UNIA	HA	GS	7109	21	08--27	M	08	WH	0	3	
1896	1	UNIA	FI	GS		19	08--25	M	05	PO	0	3	
1897	1	UNIA	SAT	GS		26	08--32	M	05	PO	0	3	
1898	1	UNIA	BR	GS		26	08--32	M	05	PO	0	3	
1899	1	UNIA	RED	GS		26	08--32	M	05	PO	0	3	
1900	1	UNIA	CUN	AA	78F29C1	26	08--32	M	05	PO	0	3	
1901	2	UNIA	RED	AA	78F29	26	08--32	M	05	PO	0	3	
1902	2	UNIA	CAN	AA	78F29C2	26	08--32	M	05	PO	0	3	
1903	2	UNIA	DR	GS		23	08--30	M	06	SK	0	3	
1904	2	UNIA	GL	GS		23	08--30	M	06	SK	0	3	
1905	2	UNIA	SP	GS		23	08--30	M	06	SK	0	3	
1906	2	UNIA	WAR	GS		23	08--30	M	06	SK	0	3	
1907	2	UNIA	AST	GS	73089	20	08--28	M	06	SK	0	3	
1908	2	UNIA	DE	GS	7294	20	08--28	M	06	SK	0	3	
1909	2	UNIA	HAR	GS		25	08--34	M	08	CR	0	3	
1910	2	UNIA	DE	GS		25	08--34	M	06	CR	0	3	
1911	2	UNIA	HUR	GS	7373	27	08--33	M	07	CR	0	3	
1912	2	UNIA	SK	GS		27	08--33	M	06	CR	0	3	
1913	2	UNIA	BL	GS		27	08--33	M	06	CR	0	3	
1914	2	UNIA	BL	GS	73688	25	08--30	M	07	CR	0	3	
1915	2	UNIA	BL	GS		26	08--30	M	07	CR	0	3	
1916	2	UNIA	SK	GS		27	08--33	M	06	CR	0	3	
1917	2	UNIA	BL	GS		27	08--33	M	06	CR	0	3	
1918	2	UNIA	BL	GS	78F28C1	30	08--37	M	06	CR	0	3	
1919	2	UNIA	BL	GS	78F28	30	08--37	M	06	CR	0	3	
1920	2	UNIA	BL	GS	78F28C2	30	08--37	M	06	CR	0	3	
1921	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1922	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1923	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1924	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1925	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1926	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1927	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1928	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1929	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1930	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1931	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1932	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1933	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1934	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1935	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1936	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1937	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1938	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1939	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1940	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1941	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1942	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1943	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1944	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1945	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1946	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1947	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1948	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1949	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1950	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1951	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1952	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1953	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1954	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1955	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1956	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1957	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1958	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1959	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1960	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1961	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1962	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1963	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1964	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1965	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1966	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1967	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1968	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1969	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1970	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1971	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1972	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1973	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1974	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1975	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1976	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1977	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1978	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1979	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1980	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1981	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1982	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1983	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1984	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1985	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1986	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1987	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1988	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1989	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1990	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1991	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1992	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1993	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1994	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1995	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1996	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1997	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1998	2	UNIA	BL	GS		30	08--37	M	06	CR	0	3	
1999	2	UNIA	BL	GS		30	08--37	M</					

1978 VARIETY FLOWER TRIALS

UBS	TRIAL	PLANT	VARIETY	SUBJECT	DOWN	HEIGHT	HT RANGE	STREAD	FLW SIZE	COLOR	DISEASE	RATING	COMMENTS
36	22	PEIUNIA	BUQUET	SS		27	1-31	M	07	P	0	4	DOUBLE
37	22	PEIUNIA	BOUQUET	SS		17	18-20	M	07	P	0	4	DOUBLE
38	22	PEIUNIA	ROSE PINK	SS	7892	17	19-23	M	07	P	0	4	DOUBLE
39	22	PEIUNIA	ROSE WHITE	SS	7896	18	20-23	M	07	P	0	4	DOUBLE
41	22	PEIUNIA	SALMUN	HA	7888	23	11-15	M	06	P	0	4	&WH BI:DBL
43	22	PEIUNIA	PLUMSUN	HA	7888	23	11-15	M	06	P	0	4	DOUBLE
44	22	PEIUNIA	CRID	HA		29	18-21	M	07	P	0	4	&WH BICOLR
45	22	PEIUNIA	MAID	HA		25	15-19	M	07	P	0	4	VEINED
46	22	PEIUNIA	SHING)	AA	78F42C	4	14-17	M	08	P	0	4	DOUBLE
47	22	KUDBECKIA	GJLD	AA	78F420	9	14-17	M	12	P	0	4	
48	22	SALVIA	MIDGE	AS	73450	6	14-17	M	20	P	0	4	
49	22	SALVIA	MIERE	AS	78F30C1	9	14-17	M	19	P	0	4	
50	22	SALVIA	UNNAMED)	AA	78F30C1	7	12-15	M	09	P	0	4	
51	22	SALVIA	UNNAMED)	AA	78F30C2	7	12-15	M	11	P	0	4	
52	22	SALVIA	HUSSAR	AA	8322	3	12-15	M	11	P	0	4	
53	22	SALVIA	HUNTS FIRE	AA	8343	7	12-15	M	11	P	0	4	
54	22	SALVIA	HUNTS FIRE	AA	8269	0	12-15	M	11	P	0	4	
55	22	SALVIA	HUNTS FIRE	AA	1818	6	12-15	M	11	P	0	4	
56	22	SALVIA	HUNTS FIRE	AA		6	12-15	M	11	P	0	4	
57	22	SALVIA	HUNTS FIRE	AA		6	12-15	M	11	P	0	4	
58	22	SALVIA	HUNTS FIRE	AA		6	12-15	M	11	P	0	4	
59	22	SALVIA	HUNTS FIRE	AA		6	12-15	M	11	P	0	4	
60	22	SALVIA	HUNTS FIRE	AA		6	12-15	M	11	P	0	4	
61	22	SALVIA	HUNTS FIRE	AA		6	12-15	M	11	P	0	4	
62	22	SALVIA	HUNTS FIRE	AA		6	12-15	M	11	P	0	4	
63	22	SALVIA	HUNTS FIRE	AA		6	12-15	M	11	P	0	4	
64	22	SALVIA	HUNTS FIRE	AA		6	12-15	M	11	P	0	4	
65	22	SALVIA	HUNTS FIRE	AA		6	12-15	M	11	P	0	4	
66	22	SALVIA	HUNTS FIRE	AA		6	12-15	M	11	P	0	4	
67	22	SALVIA	HUNTS FIRE	AA		6	12-15	M	11	P	0	4	
68	22	SALVIA	HUNTS FIRE	AA		6	12-15	M	11	P	0	4	
69	22	SALVIA	HUNTS FIRE	AA		6	12-15	M	11	P	0	4	
70	22	SALVIA	HUNTS FIRE	AA		6	12-15	M	11	P	0	4	
71	22	SALVIA	HUNTS FIRE	AA		6	12-15	M	11	P	0	4	
72	22	SALVIA	HUNTS FIRE	AA		6	12-15	M	11	P	0	4	
73	22	SALVIA	HUNTS FIRE	AA		6	12-15	M	11	P	0	4	
74	22	SALVIA	HUNTS FIRE	AA		6	12-15	M	11	P	0	4	
75	22	SALVIA	HUNTS FIRE	AA		6	12-15	M	11	P	0	4	
76	22	SALVIA	HUNTS FIRE	AA		6	12-15	M	11	P	0	4	
77	22	SALVIA	HUNTS FIRE	AA		6	12-15	M	11	P	0	4	
78	22	SALVIA	HUNTS FIRE	AA		6	12-15	M	11	P	0	4	
79	22	SALVIA	HUNTS FIRE	AA		6	12-15	M	11	P	0	4	
80	22	SALVIA	HUNTS FIRE	AA		6	12-15	M	11	P	0	4	
81	22	SALVIA	HUNTS FIRE	AA		6	12-15	M	11	P	0	4	
82	22	SALVIA	HUNTS FIRE	AA		6	12-15	M	11	P	0	4	

1 OFFTYPE

1978 VARIETY FLOWER TRIALS

U B S	TRIAL	PLANT	VARIETY	SOURCE	IDNO	HEIGHT	HT HANDE	SPREAD	FLW SIZE	COLOUR	DISEASE	RATING	COMMENTS
283	83	ZINNIA	RUSE STARLET	AA	78F36C2	48	59	M	9	RR	2	4	
284	84	ZINNIA	(UNNA MED) PINK	AA	78F36C1	44	64	M	10	RR	1	4	
285	85	ZINNIA	(PETER MED) PRINCESS	AA	78F38	40	46	M	11	SP	2	4	
286	86	ZINNIA	(UNNA MED) SCARLET	AA	78F35	35	45	M	10	PP	2	4	
287	87	ZINNIA	(PETER MED) CREAM	AA	78F39	39	46	M	10	PP	2	4	
288	88	ZINNIA	(UNNA MED) GILD	GS	78F39C	32	44	M	10	SS	3	4	
289	89	ZINNIA	(PETER MED) URANGE	AA	78F40	44	41	M	9	SK	3	4	
290	90	ZINNIA	(UNNA MED) PLUM	AA	78F40C	39	44	M	7	YW	3	4	
291	91	ZINNIA	(PETER MED) MIXTURE	AA	78F37	33	45	M	9	YG	3	4	
292	92	ZINNIA	(UNNA MED) MIXED	AA	78F37C	40	40	M	9	OR	3	4	
293	93	ZINNIA	(PETER MED) RUFFLES	AA	77F39	44	40	M	7	MX	3	4	
294	94	ZINNIA	(UNNA MED) RUFFLES	AA	77F39C	70	63	M	6	MX	3	4	
295	95	ZINNIA	YELLOW RUFFLES	BR		63	78	M	9	YR	1	4	
296	96	ZINNIA	CHEER SUN	TK		60	58	M	12	SC	1	4	
297	97	ZINNIA	BIG TOP	GS	78F41C1	64	68	M	11	SM	1	4	
298	98	ZINNIA	BURPEANA PURPLE	AA	78F41	64	78	M	13	OP	1	4	
299	99	ZINNIA	(UNNA MED) BOWL	AA	78F41C2	65	83	M	11	OP	1	4	
300	00	ZINNIA	FRUIT BOWL MIX	AA				M	11	MX	1	4	

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VIRGINIA BEACH TRIALS

In charge: Dr. C. J. Elstrodt
Virginia Truck and Ornamentals Research Station
1444 Diamond Spring Road
Virginia Beach, Virginia 23455

The 1978 Annual Flower Varietal Trials were conducted at the Flower Trial Gardens located at the Virginia Truck and Ornamentals Research Station, Virginia Beach, Va. The gardens contain approximately 7400 square feet of bed space arranged in a formal design with bermudagrass walkways separating the beds. In addition to displaying commercially marketed varieties, the trial gardens serve as an official All America Display Garden, presenting the award winning flowers selected by the All America Selections Committee each year.

Small Seeded Varieties. Small Seeded Varieties were sown during the period of February 24 to March 25, 1977 in plastic seed flats in a commercially prepared medium known as Jiffy Mix¹. Following sowing, flats were placed in a germination chamber containing fluorescent lighting and maintained at 65°F night temperature, 75°F day temperature. Bottom soaking was used to maintain moisture as necessary. A soil drench of Benlate and Truban controlled seedling diseases. During the period of March 15 - April 15, seedlings were transplanted to 2¼" Jiffy Strips¹ containing Jiffy Mix and moved to the greenhouse.

Large Seeded Varieties. During March 1977 large seeded varieties were sown directly into wooden flats of 2¼" Jiffy Strips containing Jiffy Mix and moved directly to the greenhouse, covered with glass plates to maintain moisture or watered as necessary by bottom soaking. As seedlings developed, they were thinned to one plant per plot.

Bed Preparation, Planting, Fertilization, Weed Control. Outdoor beds were fumigated November 10, 1977 with Sodium Azide (15G)² at a rate of 1.85 pounds per 100 square feet. Polyethelene covers were left in place until spring to prevent recontamination of beds. All plants received two fertilizations of Peters 20-20-20³ while in the greenhouse and then, in the garden, one application of Osmocote Sierrablen (19-6-10 & iron) at the rate of two pounds per 100 square

feet. In addition to the Azide fumigation, a 4 inch mulch of shredded pine bark was applied to all beds to assist in weed control and moisture retention. Weed control was excellent within beds; however, herbicide treatment of beds was necessary to control bermudagrass encroaching from the walkways. Rainfall was supplemented by irrigation during drought periods.

Evaluation. Open House for the public was held on August 9, 1978, with nearly 3000 visitors in attendance. The following day more than 200 commercial growers and trade people visited the Station for Field Day. Since most of the flowers reached their peak at this time, data evaluating growth response and plant characteristics were collected on all varieties. Attached tables represent averages in centimeters. Va. Tech Horticulture work study student Terri Lee Ellis was responsible for all phases of the trials in the field.

Contributing Companies

1. Jiffy Products of America
P.O. Box 338
West Chicago, Illinois 60185
2. Pittsburg Plate Glass Co.
P.O. Box 576
Flat Rock, N.C. 28731
3. Peters Fertilizer Co.
2833 Pennsylvania Ave.
Allentown, Pa.
4. Sierra Chemical Co.
1001 Yosemite Dr.
Milpitas, California 95035

Suggested Annual Flowers for 1979

Ageratum:	Biscaya
Begonia:	Coco, Orient Pink, Cocktail
Cineraria:	Silverdust
Coleus:	Fiji Mix, Saber Mix, Rose Wizard
Gazania:	Giant Flower Mix
Gerbera:	California Mix
Geranium:	Sprinter Series, Colorcade, Red Apple, Red Champion, Sincerity, Fire Flash
Gloriosa Daisy:	Pinwheel, Double Gold
Marigold:	Cabaret Orange, Gypsy Sunshine, Lady Series, Nugget Series, Red Pygmy, Pretty Joy Mix, Midas touch
Nicotiana:	Nicki Rose
Petunia:	Candyapple, Blue Mist, Jamboree Rose-Pink, Patriot Mix
Portulaca:	Sunnyside DBL Mix, Calypso Mix
Salvia:	Bonfire elite
Snapdragon:	Dwf. Butterflies
Solanum:	Fiery Festival
Vinca:	Little Mix
Zinnia:	Cherry Ruffles, Peter Pan Cream, Yellow Buttons, Candy Cane, Firecracker, Yellow Zenith, Red Sun

Source of Seeds

AAS	All American Selections 4546 El Camino Real, Los Altos, Cal. 94022
BE	Benary Seed Co. Benary, Ernest, Hann, Muenden Germany
BU	W. Atlee Burpee Company 300 Park Ave. Warminster, PA 18974
DE	Denholm Seeds 222 N.A. St. Lompoc, California 93436
GL	Fred C. Gloeckner & Co. Inc. 15 East 26th St. New York, NY 10010
GS	Goldsmith Seeds, Inc. P.O. Box 1349 Gilroy, California 95020
HA	Joseph Harris Co. Inc. Moreton Farm, Rochester, N.Y. 14624
PA	Pan American Seed Box 438 West Chicago, Ill. 60185
PK	George W. Park Seed Co. Inc. Greenwood, S.C. 29647
RS	Royal Sluis P.O. Box 22 Enkhuizen, Netherlands 1940

Plant/Variety/Source	Ht. Range cm	Ht. cm	Sp. cm	Fl. cm	Comments
<u>Ageratum</u>					
Biscaya (RS)	25-63	40	42	3.5	Outstanding
Blue Surf (GS)					
North Sea (RS)	23-30	27	35	2.5	
Spindrift (GS)	13-25	21	30	3	
<u>Asarina</u>					
Asarina (PK)	5-20	10		2	Makes nice ground cover.
<u>Begonia</u>					
Coco Ducolor (RS)	12-33	25	22	3	Beautiful
Coco Scarlet Bright (RS)					
Coco Salmon Pink (RS)					
Orient Pink (RS)	14-32	23	15	3	Beautiful
Verdo light Pink (RS)					
Thousand Wonders (BE)					Outstanding
Cocktail, Mixed (BE)	12-37	27	27	3	Beautiful flowers and form.
<u>Calendula</u>					
Fiesta Gitana (RS)	21-32	31	28	3.5-5	Very attrac. early in season. Ht. sensitive.
New Gem Mix (BU)	18-30	23	25	3-4	
<u>Cineraria</u>					
Silverdust (RS)	14-26	20	25	NA	Outstanding
<u>Christmas Pepper Solanum</u>					
Fiery Festival (HA)	19-30	25	25	fruit 6	Outstanding
Holiday Cheer (PA)					
<u>Cleome</u>					
Royal Queen Mix (HA)	120-150	138	80	10 cross 4 length	Excl. beg. of seas., defol. by Harlequ. bugs in lt. summer.
Queen Mix (BU)	120-160	138	80	10 cross 4 length	Same as above.
<u>Coleus</u>					
Fiji Mix (PA)	30-80	65	45	NA	Outstand., nice form, brilliant colors
Greensleeves (PA)	7-58	18	23	NA	
Pink Dragon (PA)	6-32	20	20-25	NA	
Saber Mix (PA)	39-70	60	40	NA	Outstanding
Rose Wizard (PA)	40-75	65	40	NA	Outstanding

Plant/Variety/Source	Ht. Range cm	Ht. cm	Sp. cm	Fl. cm	Comments
<u>Dianthus</u>					
Lace Mixed (PK)	10-24	21	20	3.5	Poor, sparse
Queen of Hearts (GS)	16-34	30	30	3.5	Outstanding
Snowfire (AAS)	11-23	20	18	3	Fair
<u>Dahlia</u>					
Rigoletto (RS)	33-50	44	27	4-7	
Sunburst Mixed (BU)	30-74	61	47	5-7	
<u>Gazania</u>					
Colorama Mix (DE)	10-20	17	23	4	Fair
Giant fl. Mix (RS)	10-21	20	25	4	Good
<u>Geranium</u>					
Cherie (GS)	25-32	30	30	6.5	
Deep Salmon (DE)	13-33	30	40	6.5	
Innocence (HA)	20-42	31	35	8	Wide range in size of plant
Love Song (HA)	14-32	26	30	6.5	Flwr. usu. turn brown before fully open.
Red Apple (DE)	20-40	34	35	6.5	Nice dk. gr. fol., compact lots of flowers.
Red Champion (HA)	22-35	34	35	8.5	Very attractive.
Sincerity (HA)	19-35	30	30	6	Very attractive.
Sooner Red (DE)	20-39	32	27	6	
Sprinter Mix (GS)	21-40	32	30	6	
Sprinter Starlet (GS)	19-39	36	40	4.5	
Colorcade Mixed (BU)	20-40	33	34	6.5	Very attractive.
Firecracker (PA)	16-33	30	30	5	
Scarlet Flash (PA)	22-40	36	35	6	Nice, gr., full
Fire Flash (PA)	20-34	25	30	6.5	Very attractive.
Showgirl (AAS)	27-45	35	27	5	
<u>Gloriosa Daisy</u>					
Pinwheel (BU)	40-73	62	40	4-14	Very att. Begin decl. Aug.20
DBL Gold (BU)	55-80	70	40	6-10	Very att. Begin decl. Aug.20
<u>Hypoestes</u>					
White Polka Dots (PK)	63-82	74	40		Outstanding, full, bushy
Pink Dots (PA)	64-88	84	40	NA	
White Dots (PA)	47-83	74	40		Outstanding, full, bushy
<u>Impatiens</u>					
Futura Rose Pink (GS)	40-68	52	40-68	3.5-40	
Futura Coral (GS)	40-68	52	40-68	3.5-40	
Shadeglow Series (HA)	40-68	52	40-68	3.5-40	
Elfin Lilac (PA)	40-68	52	40-68	3.5-40	
Grande Mix (PA)	40-68	52	40-68	3.5-40	
Grande Orchid (PA)	40-68	52	40-68	3.5-40	

Plant/Variety/Source	Ht. Range cm	Ht. cm	Sp. cm	Fl. cm	Comments
<u>Petunia (con't)</u>					
Harvest Moon (GS)					
Jamboree Purple (HA)					
Jamboree Rose-Pink (HA)					Looked great, not bothered by Botrytis & Rhiz.
Jamboree Salmon (HA)					Sparse flowering
Patriot Mixture (GS)					O.K., not bothered by any diseases
Peace of White (HA)					Very sus. to Botrytis & Rhiz. Full and bushy beautiful flowering effect.
Pink Came. (HA)					
Plum Pudding (GS)					Bushy, full, lots of brilliantly colored fl. Not bothered by any diseases.
Red Cap. (HA)					
Red & White Delight (GS)					Sparse flow., wiry pl. Weren't both. by diseases.
Rose Cloud (GS)					One of nicest looking. Slightly sus. to diseases.
Blushing Maid (AAS)	20-30	26	30	7	Beautiful, highly Rec.
<u>Portulaca</u>					
Sunnyside (HA)	10-23	17	40	4	Outstanding
Calypso Mix (PA)	12-20	15	38	4	Outstanding
<u>Salvia</u>					
Bonfire Elite (HA)	75-85	82	35	28	Excellent, stem bore
Rodeo (RS)	42-60	52	25	18	
Scarlet Midget (RS)	32-63	57	35	20	
St. Johns Fire (HA)	50-63	60	30	25	
Carabiniere (PA)	34-52	48	25	17	
<u>Snapdragon</u>					
Frontier Strain (HA)	35-60	50	30	19	
Dwarf Butterfly (GS)	20-40	30	33	6	
Liberty Bell (BU)	27-40	34	23	14	Good
Toppee Hybrid	45-78	63	30	20	Good
Wedding Bells (BU)	32-67	56	14		Best. Nice fl. effect & sz.
<u>Vinca</u>					
Little Mixed (DE)	35-60	44	50	4	
Mixed (DE)	50-70	60	50	4	Beautiful, no moths
<u>Zinnia</u>					
Yellow Buttons (BU)	35-48	46	50	3	Outstanding
Candy Cane (BU)	60-70	65	55	6-10	Beautiful, healthy
Firecracker (BU)	90-100	97	65	12	Beaut. Not as bothered by Rhizopus mildew.
Tetra Ruggled Jumbo (BU)	80-90	85	70	10-14	Jap. Beetles, Rhizopus
Boddes Salmon (BU)	70-110		55	10	Mildew
Whirligig (BU)	58-90	85	45	5-10	Mildew, Jap. Beet., Riz.

Plant/Variety/Source	Ht. Range cm	Ht. cm	Sp. cm	Fl. cm	Comments
<u>Impatiens</u> (con't)					
Grande Red (PA)	40-68	52	40-68	3.5-40	
Grande Rose (PA)	40-68	52	40-68	3.5-40	
<u>Marigold</u>					
Boy-O-Boy Mix (DE)	34-41	40	43	3	
Cabaret Orange (HA)	43-52	46	44	3.5	
Goldstrike (DE)	42-47	47	40	3	
Gypsy Sunshine (HA)	43-60	53	50	3.5	
Harmony Boy (DE)	30-45	40	41	3	
Honeycomb (DE)	50-62	54	50	4	
Luxor Gold (RS)	26-43	34	35	4	
Luxor Yellow (RS)	33-40	41	35	3.5	
Midas Touch (DE)	40-60	52	60	4	
Orange Winner (RS)	34-51	47	40	4	
Primo Apricot (RS)	40-65	52	41	4	
Red Swirl (PK)	58-65	60	40	4.5	
Stardust (DE)	45-62	56	65	4	
Yellow Boy (DE)	36-43	40	45	3.5	
Brown Scout (BO)	30-40	37	43	3	
Deep Orange Lady (BU)	44-66	56	40	5	
First Lady (BU)	54-70	60	37	6	
Gay Ladies Mix (BU)	55-70	58	38	4.5	
Gold Lady (BU)	50-70	66	55	5.5	
Orange Nugget (BU)	33-54	43	40	3.5	
Pretty Joy Mix (BU)	30-48	40	32	1.5	
Pygmy Primrose	33-47	37	40	2.5	
Primrose Lady (BU)					
Red Nugget (BU)	25-47	38	30	4	
Red Pygmy (BU)	30-54	40	33	2-4	
Red Seven Star (BU)	25-55	35	55	5	
Toreador Climax (BU)	85-100	95	50	5.5	
Yellow Climax (BU)	63-110	100	65-70	6	
Yellow Nugget (BU)	25-36	30	30	3.5	
Primrose Lady (AAS)	65-80	70	40	5	Tall, heavy, rec. Aphids
Yellow Galdre (AAS)	65-90	72	40	6	Tall, heavy, Aphids
Queen Sophia (AAS)	50-79	62	35	3.5	Tall, heavy, Aphids
Copper Canyon	50-87	60	40	5	Vry tall & hvy. Need stak.
<u>Nicotiana</u>					
Nicki Lime (PA)	44-60	48	35	3	
Nicki Red (PA)	37-54	40	25	3.5	
Nicki Rose (PA)	40-50	47	33	4.5	
<u>Petunia</u>					
Blue Mist (HA)					Nice, attrac., however, very sus. to Botrytis and Rhiz.
Candy Apple (GS)					Very attrac., also one of nicest looking.
Fiesta (GS)					
Gypsy (HA)					Rhizopus, Botrytis, unus. humid weath., looked great 1st mo.

Plant/Variety/Source	Ht. Range cm	Ht. cm	Sp. cm	Fl. cm	Comments
<u>Zinnia</u> (con't)					
Yellow Zenith (BU)	65-100	75	50	10	Mildew, Excellent
Zenith Hybrid (BU)	60-103	83	50	10	Weak necks, mild., Riz.
Cactus fl. Mix (BU)	56-110	85	55	8.5	
Red Sun (AAS)	65-95	80	50	7-12	Sparse fl., strong plant, Rec.
Peter Pan Cream (AAS)	35-62	42	38	8	Bushy, excellent
Gold Sun (AAS)	65-97	77	40	6-11	Stem borers; very good
Peter Pan Gold (AAS)	34-60	45	40	59	Mildew; very good
Yellow Ruffles (AAS)	50-90	80	50	3-75	Stem a little weak/neck otherwise, excell.
Cherry Ruffles (AAS)	70-100	95	40	6	Weak necks, Highly Rec. Ex.

