August 1948

E-737, Revised

United States Department of Agriculture
Agricultural Research Administration
Bureau of Entomology and Plant Quarantine

EFFECT ON PLANTS OF DDT APPLIED TO SOIL FOR
THE DESTRUCTION OF JAPANESE BEETLE LARVAE 1/

By Walter E. Fleming 2/
Division of Fruit Insect Investigations

A very small amount of technical DDT (1 part to 32,000 parts of soil by weight) has been very effective against larvae of the Japanese beetle in cultivated land and in turf. The use of technical DDT for the treatment of beds, plots, and potting soil in commercial nurseries, in order that plants with soil about their roots may be shipped outside the area quarantined because of this insect, was authorized March 21, 1946. To facilitate the proper distribution of this small amount of DDT it is specified that each acre of beds, or plots be treated with 250 pounds of a dust containing 10 percent of DDT, or with 50 pounds of a water-dispersible powder containing 50 percent of DDT in 1,000 gallons of water, and the material then mixed by cultivation with the upper 3 inches of soil. It is specified that 3 pounds of a 2-percent dust be intimately mixed with each cubic yard of potting soil.

Preliminary experiments were begun in 1944 at Moorestown, N. J., to determine whether various plants could be grown without serious injury in soil treated with the authorized amount of technical DDT. In these tests an equal number of seeds or plants in treated and in untreated soil were grown side by side under the same conditions. When the general development, color, bloom, and yield of the plants were about the same in treated and untreated soil, it was considered that the DDT had not seriously affected the plants. In view of the favorable results obtained with some of the vegetables, annual flowers, grasses, and a few nursery plants in these preliminary tests, similar tests were conducted at five commercial nurseries in 1945 and in more than fifty establishments in 1946 and 1947. In addition to these tests, after the treatment was authorized, several kinds of plants were grown on a large scale at the commercial establishments.

1/ This revision brings the information up to January 1948.

2/ The author is indebted to his associates at the Japanese Beetle Laboratory, Moorestown, N. J., to members of the Division of Japanese Beetle Control, and to the various commercial establishments for their cooperation in this investigation.

The following commercial establishments cooperated in this work:

Adams Nursery, Inc.	Westfield, Mass.
Amon, A. G.	Chatsworth, N. J.
Applegate, Harper	Toms River, N. J.
Arpin, J. D.	Chatsworth, N. J.
Bay State Nurseries	North Arlington, Mass.
Beebe, Herbert	Vincentown, N. J.
Bellows Brothers	Southampton, N. Y.
Biltmore Nursery	Oteen, N. C.
Blanchard's Greenhouse	Abington, Mass.
Bobbink & Atkins Nurseries	Rutherford, N. J.
Bray, William	Pemberton, N. J.
Brown, Abram	Browns Mills, N. J.
Budd, Theodore	Vincentown, N. J.
Bulk Nursery	Babylon, N. Y.
Claflin, Alma (Mrs.)	Pemberton, N. J.
Conard-Pyle Company	West Grove, Pa.
Copenhagen Nursery	Camp Hill, Pa.
Cross Flower Shop	Augusta, Maine
Daurenheim Nursery	Wantagh, N. Y.
Dirkmaat Azalea Farm	Ridgewood, N. J.
Dunfee, Russell	Chatsworth, N. J.
Echo Valley Farm	Magnolia, N. J.
Edgar, W. W.	Waverly, Mass.
Faddegons Nurseries	Colonie, N. Y.
Fischer, Charles L.	Linwood, N. J.
Fraser's Nursery	Lewiston, Maine
Frew and Jackson	Conneaut, Ohio
Gardners Nursery	Rocky Hill, Conn.
Gibney, W. S.	Hagerstown, Md.
Gove the Florist	Burlington, Vt.
Greenbrier Nurseries	Norfolk, Va.
Hahn, L. and Son	Pittsburg, Pa.
Haines, William	Chatsworth, N. J.
Hannell's Sons	Watervliet, N. Y.
Heinl Greenhouse	Toledo, Ohio
Hoogendoorn, C.	Middletown, R. I.
Horton's Flower Shop	Watervliet, N. Y.
James, C. G. and Son	Hornell, N. Y.
Kern's Nurseries	New Brunswick, N. J.
Koster Nurseries	Bridgeton, N. J.
Knuth, C. B.	Euclid, Ohio
Leach, B. R., Nursery	Riverton, N. J.
Leach, J. B.	Pemberton, N. J.
Leghorn Nursery	Cromwell, Conn.
Manning, C. Foster, Jr.	Pemberton, N. J.
Merritt, Joseph S.	Dundalk, Md.
Middlemount Gardens	Asheville, N. C.
Mood, J. Richard	Mullica Hill, N. J.
Moorestown Gardens	Moorestown, N. J.
Moreau Plant Company	Freehold, N. J.

Nik-Nar Nursery	Biltmore, N. C.
O'Neill, Joseph G., and Son	Browns Mills, N. J.
Pattersons Greenhouse	Augusta, Maine
Perkins & DeWilde Nurseries	Bridgeton, N. J.
Pierson, A. N., Nursery	Cromwell, Conn.
Pitzonka Pansy Farm	Bristol, Pa.
Princeton Nurseries	Kingston, N. J.
Rayner Brothers	Salisbury, Md.
Rhode Island Nurseries	Middletown, R. I.
Roak, George H.	Lewiston, Maine
Roehrs, Julius, Nurseries	Rutherford, N. J.
Rogers, Joseph	Browns Mills, N. J.
Saunders, Earnest	Lewiston, Maine
Scammell, H. B., and Son	Toms River, N. J.
Shoreway Nursery	Clayton, N. J.
Verkades Nursery	Wayne, N. J.
Vlamynck, O., Nursery	East Paterson, N. J.
Walker, Wallace, Farm	Auburn, Maine
Waterstreet, Carl	Brighton, N. Y.
Wayside Gardens	Mentor, Ohio
Whitings Greenhouse	Auburn, Maine
Wyman, Littlefield	North Abington, Maine
Yeagle, W. P.	Bristol, Pa.

It is realized that the reaction of plants to technical DDT in the soil may be modified by the age and vigor of the plants, and that the reaction may not be the same in other soils under environmental conditions different from those encountered in these tests. The records given herewith are those of the reactions of the plants under the conditions of the tests, and it should not be assumed that the same reaction will be obtained in another environment. It is urged that those who are interested in growing plants in DDT-treated soil conduct preliminary tests under local conditions before applying the treatment on a large scale.

During the 4 years since January 1944, a total of 10,651,455 plants of 355 genera, 963 species, and 1,694 horticultural varieties were grown in soil treated with the authorized amount of technical DDT. These plants included evergreen and deciduous trees and shrubs, annual and perennial herbaceous plants, small and tree fruits, vegetables, grasses, and cereals. The observations indicated that plants of 350 genera, 957 species, and 1,688 horticultural varieties were grown successfully in the treated soil.

The plants that grew without serious injury in soil treated with the authorized amount of technical DDT appear in the following tabulation:

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
<u>Abutilon vitifolium</u>	Abutilon, Souvenir de Bonn	75
<u>Acalypha hispida</u>	Chenille Copperleaf	120
<u>sanderi</u>	See <u>A. hispida</u> .	--
<u>Acanthus montanus</u>	- - -	60
<u>Acer palmatum</u>	Japanese Maple	1,041
<u>atropurpureum</u>	Bloodleaf Japanese Maple	3,126
<u>polymorphum</u>	See <u>A. palmatum</u> .	--
<u>Achillea filipendulina</u>	Fernleaf Yarrow	1,000
	Golden Plate	200
	Parker's	250
<u>millefolium rubrum</u>	Red Common Yarrow, Cerise Queen	350
<u>ptarmica</u>	Sneezewort Yarrow, Pearl	710
	Perry White	60
<u>tomentosa</u>	Woolly Yarrow	720
<u>Aconitum fischeri</u>	Azure Monkshood	400
<u>napellus</u>	Aconite Monkshood	250
<u>album</u>	White Aconite Monkshood	200
<u>Acorus gramineus pusillus</u>	- - -	100
<u>Adiantum wrighti</u>	Wright Maidenhair Fern	50,050
<u>Adonis amurensis</u>	Amur Adonis, Pheasant's Eye	100
<u>Aeschmea calyculata</u>	- - -	25
<u>caudata variegata</u>	- - -	35
<u>fasciata</u>	- - -	20
<u>superba</u>	- - -	10
<u>fulgens</u>	- - -	35
<u>discolor</u>	- - -	20
<u>orlandiana</u>	- - -	10
<u>racinae</u>	- - -	10
<u>weilbachia</u>	- - -	20
<u>Aeschynanthus pulcher</u>	Scarlet Basketvine	310
<u>Africanviolet</u>	See <u>Saintpaulia</u> .	--
<u>Ageratum</u> sp.	Ageratum, Purple Beauty	10
	Riverside Dwarf	3
<u>Aglaonema commutatum</u>	- - -	85
<u>costatum</u>	- - -	160
<u>simplex</u>	Chinagreen, or Chinese Evergreen	10
<u>Agrostis alba</u>	Redtop	--
<u>palustris</u>	Creeping Bentgrass	--
<u>tenuis</u>	Colonial Bentgrass	--
<u>astoriana</u>	Astoria Bentgrass	--
Airbrom	See <u>Billbergia</u> .	--
<u>Ajuga genevensis</u>	Geneva Bugle	2,010
<u>reptans</u>	Carpet Bugle	1,000
<u>atropurpurea</u>	Bronzeleaf Carpet Bugle	1,000
<u>Allamanda cathartica hendersoni</u>	Henderson Common Allamanda	310
<u>williamsi</u>	Williams Allamanda	50
<u>Allium schoenoprasum</u>	Chive	300

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
<u>Alocasia cuprea</u>	- - -	10
<u>macrorrhiza variegata</u>	Mottled Giant Alocasia	10
<u>sanderiana</u>	- - -	10
<u>Alpinia sanderiae</u>	Banded Galangal	60
<u>Alsophila australis</u>	Australian Treefern	23
<u>Althaea rosea</u>	Hollyhock, Indian Spring	10
	Newportpink	250
	Red	375
	White	200
Alumroot	See <u>Heuchera</u> .	--
<u>Alyssum saxatile</u>	Goldentuft Alyssum	150
<u>compactum</u>	Dwarf Goldentuft Alyssum	2,810
<u>florepleno</u>	Double Goldentuft Alyssum	50
<u>Amomum cardamon</u>	Cardamon Amomum	10
<u>Ampelopsis lowi</u>	See <u>Parthenocissus tricuspidata lowi</u> .	--
<u>tricuspidata</u>	See <u>Parthenocissus tricuspidata</u> .	--
<u>Amsonia tabernaemontana</u>	Willow Amsonia	200
<u>Ananas comosus</u>	Pineapple	20
<u>porteanus</u>	- - -	10
<u>sativus</u>	See <u>A. comosus</u> .	--
<u>Anchusa azurea</u>	Italian Bugloss, Alkanet	150
	Lissadell	800
<u>italica</u>	See <u>A. azurea</u> .	--
<u>myosotidiflora</u>	See <u>Brunnera macrophylla</u> .	--
<u>Anemone japonica</u>	Japanese Anemone, Max Vogel	10
	Mount Rose	300
	Queen Charlotte	400
	September Charm	700
	Whirlwind	500
<u>alba</u>	White Japanese Anemone	300
<u>hupehensis</u>	Hupeh Japanese Anemone	400
<u>pulsatilla</u>	European Pasqueflower	700
<u>lilacina</u>	Lilac European Pasqueflower	210
<u>rubra</u>	Red European Pasqueflower	300
<u>Anthemis sp.</u>	Camomile, Moonlight	600
<u>tinctoria</u>	Golden Camomile	110
	Roger Perry	50
<u>kelwayi</u>	Kelway Golden Camomile	200
<u>Anthericum mandaiianum</u>	See <u>Chlorophytum elatum</u> .	--
<u>vittatum</u>	See <u>Chlorophytum elatum</u> .	--
<u>Anthurium andraeanum</u>	White Flamingo Anthurium	5
<u>atro-rubrum</u>	- - -	5
<u>atrosanguineum</u>	- - -	5
<u>carneum</u>	Flesh Anthurium	10
<u>ferrierense</u>	<u>roseum</u> Rose Ferrier Anthurium	10
	<u>rubrum</u> Crimson Ferrier Anthurium	1
<u>giganteum</u>	Giant Flamingo Anthurium	12
<u>reidi</u>	Reid Flamingo Anthurium	10
<u>roseum</u>	Rosy Flamingo Anthurium	8
<u>rubrum</u>	Crimson Flamingo Anthurium	5
<u>salmoneum</u>	Salmon Flamingo Anthurium	5

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
<u>Anthurium crystallinum</u>	Crystal Anthurium	5
<u>ornatum album</u>	- - -	8
<u>scherzerianum</u>	Common Anthurium	5
<u>spathiphyllum</u>	- - -	20
<u>warocqueanum</u>	- - -	5
<u>Aquilegia</u> sp.	Columbine, Crimsonstar	210
	Mrs. Scott Elliott	3,010
	Snow Queen	500
<u>alpina</u>	Alpine Columbine	400
<u>alba</u>	White Alpine Columbine	10
<u>chrysantha</u>	Golden Columbine	3,710
	Silver Queen	300
<u>coerulea</u>	Colorado Columbine	700
<u>longissima</u>	Longspur Columbine	850
	Blueshades	1,210
	Pinkshades	810
<u>thalictrifolia</u>	See <u>A. chrysantha</u> .	--
<u>vulgaris</u>	European Columbine	3,000
<u>Arabis alpina</u>	Alpine Rockcress	1,040
<u>florepleno</u>	Double Alpine Rockcress	900
<u>alba</u>	Double White Alpine Rockcress	10
<u>nana compacta</u>	Dwarf Alpine Rockcress	300
<u>Aralia balfouriana</u>	See <u>Polyscias balfouriana</u> .	--
<u>sieboldi</u>	See <u>Fatsia japonica</u> .	--
<u>Araucaria excelsa</u>	Norfolkisland Pine	106
<u>Arborvitae</u>	See <u>Thuja</u> .	--
<u>Ardisia crenulata</u>	- - -	35
<u>Aregelia marmorata</u>	Airplant Aregelia	10
<u>spectabilis</u>	Showy Aregelia	10
<u>tristis</u>	Bitter Aregelia	10
<u>Arenaria verna caespitosa</u>	Moss Sandwort	75
<u>Aristolochia durior</u>	Dutchmanspipe	184
<u>sipho</u>	See <u>A. durior</u> .	--
<u>Armeria</u> sp.	Thrift, Bees Ruby	500
	Glory of Holland	575
	Vindictive	200
<u>cephalotes</u>	See <u>A. pseudoarmeria</u> .	--
<u>maritima lauchearia</u>	Lauche Common Thrift	785
<u>pseudoarmeria</u>	Pinkball Thrift	400
<u>rubra</u>	Rosy Pinkball Thrift	1,560
<u>Arnica clusi</u>	See <u>Doronicum clusi</u> .	--
<u>Aronia arbutifolia</u>	Red Chokeberry	20
<u>Arrowroot</u>	See <u>Marantha</u> .	--
<u>Artemisia</u> sp.	Wormwood, Silver King	2,000
	Silver Queen	1,500
<u>dracunculus</u>	Tarragon	100
<u>lactiflora</u>	Ghostplant Wormwood	250
<u>vulgaris</u>	See <u>A. lactiflora</u> .	--
<u>Aruncus sylvester</u>	Sylvan Goatsbeard	50

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
<u>Asclepias tuberosa</u>	Butterfly Milkweed	1,250
<u>Asperula odorata</u>	Sweet Woodruff	1,000
<u>Aspidium tsussimense</u>	See <u>Polystichum tsussimense</u> .	--
<u>Aspidistra elatior variegata</u>	Striped Aspidistra	60
<u>lurida variegata</u>	See <u>A. elatior variegata</u> .	--
<u>Asplenium bulbiferum</u>	Mother Spleenwort	50
<u>nidus</u>	Birdsnestfern	50,000
<u>Aster sp.</u>	Aster, Luteus	350
	Mauve Cushion	250
<u>alpinus</u>	Alpine Aster,	200
	Goliath	310
	Star of Eisenach	50
<u>albus</u>	White Alpine Aster	150
<u>dumosus</u>	Bushy Aster, Blue Bouquet	800
	Constance	500
	Lady Henry Maddocks	700
	Lilac Time	1,000
	Nancy	2,000
	Niobe	400
<u>floribundus</u>	See <u>A. novibelgii</u> .	--
<u>novae-angliae</u>	New England Aster	120
	Barrs Pink	200
	Harringtons Pink	1,170
<u>novibelgi</u>	New York Aster, Amethyst	300
	Beechwood Challenger	750
	Beechwood Charm	200
	Bluegown	110
	Dick Ballard	250
	Gayborder Blue	200
	Hilda Ballard	300
	Mt. Everest	1,210
	Petunia	300
	Queen Mary	100
	Redrover	110
	Royal Blue	100
	Skylands Queen	10
	Sunset	150
<u>subcoeruleus</u>	East Indies Aster, Star of Wartburg	375
<u>thomsoni</u>	Thomson Aster, Frikarti	250
	Wonder of Stafa	2,010
<u>Astilbe astilboides</u>	Goatsbeard Astilbe	210
<u>thunbergi</u>	Astilbe, Avalanche	200
	Betsy Cuperus	100
	Bremen	400
	Europa	100
	Fanol	500
	Gloria Purpurea	700
	Peachblossom	200
	Prof. Van der Wielen	100
	Rhineland	500
	Salland	100

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
<u>Aubrieta deltoidea</u>	Common Aubrieta	100
<u> purpurea</u>	Purplelady Aubrieta	200
<u>Avena</u> sp.	Oats	--
<u>Avens</u>	See Geum.	--
<u>Azalea</u> sp.	Azalea	71,135
	Adrian Steyart	8,208
	Apelles	40
	Blossom Bright	670
	Bondstreet	70,229
	Boudoir	5,775
	Brayton	85
	Celestine	8,226
	Charles Enoch	10
	Corsage	1,553
	Dawn	9,040
	Edmond Meyer	785
	Engelbredth	50
	Fortune	11,074
	Gardenia	1,925
	Granville	72
	Gumpo	100
	Jubilee	2,725
	Lady Lilac	10
	Loelia	2,400
	Massasoit	275
	Mayfair	14,573
	Memoire Sanders	1,825
	Mme. Pericat	7,895
	Montrose	2,830
	Netcong	30
	Nome	3,568
	Novelty	2,300
	Orange	100
	Penncrest	40,300
	Pinkrose	660
	Reine Astride	810
	Rival	5,650
	Rubens	1,790
	Sherwood	18,462
	Superorange	8,306
	Sweetheart	840
	Sweetheart Supreme	15,785
	Twenty Grand	815
	William Van Orange	100
<u>candulacea</u>	Flame Azalea	36
<u>gandavensis</u>	Ghent Azalea, Louis Van Houtte	114

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
<u>Azalea indica</u>	Indica azalea	19,172
	Albert and Elizabeth	18,027
	Alfred Sanders	9,550
	Apollo	4,310
	Avenir	1,740
	Blushingbride	2,951
	Charles Encke	4,360
	Dame Melanie	72
	Dame Melanie Pink	2,709
	Dame Melanie Salmon	2,500
	Dame Melanie White	3,413
	Dr. Bergman	9,446
	Dr. Schury	200
	Eclaireur	20,043
	Empress of India	4,037
	Eric Schame	7,070
	Ernest Eeckhaute	2,630
	Ernest Thiers	2,117
	Fred Sanders	8,521
	Glory de Lockhous	1,600
	Haerens	2,200
	Haerensiana. <u>See</u> Haerens.	--
	Ideal	2,905
	Jean Haerens	35,076
	Jean Haerens Orange	1,800
	John Lewelyn	1,135
	Julius Roehrs	5,150
	Lambertus C. Bobbink	68,510
	L. J. Bobbink	370
	Mme. L. Vanhoutte	66
	Mme. Morreux	177
	Mme. Petrick	26,482
	Mme. Petrick Alba	11,159
	Mme. Petrick Pink	500
	Mme. Petrick Superba	1,880
	Mme. Romain de Smet	6,000
	Mme. Vandercruyssen	56,215
	Mme. Vandercruyssen Orange	4,600
	Mme. Van Gill	3,350
	Mons. Millard	3,460
	Mrs. Fred Sanders	6,785
	Mrs. Henry Rosacker	6,464
	Niobe	13,918
	Paul Schame	29,718
	Pax	2,200
	Perfection	1,800
	Perfection Alba	64
	Perle de Noisy	4,985
	Perle de Saeffelaire	3,057
	Perle de Sweynaerde	13,922
	President O. de Kerchove	272

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
<u>Azalea indica</u> (Continued)	Indica Azalea	
	Professor Walters	3,065
	Professor Walters White	1,800
	Prosper Van Damme	6,740
	Ralph Sanders	6,765
	Simon Mardner	16,922
	Souvenir W. Edgar	1,150
	Temperance	1,300
	Theodore Findeisen	13,338
	Theodore Piens	2,345
	Triumphe	63,206
	Vander Deale	2,300
	Vervaeneana	31,949
	Vervaeneana Alba	15,134
	Vervaeneana Orange	3,850
	Vervaeneana Rosea	9,155
	Vervaeneana Salmonea	6,100
	Violacea Rubra	5,703
	Vuylsteke	2,044
	Winefred Roelker	2,446
<u>indica balsaminaeflora</u>	Balsam Indica Azalea	192
<u>kaempferi</u>	Torch Azalea	255
	Apollo	100
	Carmen	120
	Cleopatra	120
	Fedora	231
	Mikado	120
	Purple King	510
<u>kurume</u>	Kurume Azalea	142,085
	Apple Blossom. <u>See</u> Howo.	--
	Azuma Kagami	47,529
	Bridesmaid	10
	Brilliant	1,346
	Christmascheer	2,475
	Coralbells	283,629
	Coralbells Orange	1,623
	Exquisite	3,534
	Flame. <u>See</u> Suetsumu.	--
	Glory	880
	Hinodegiri	146,479
	Hinodegiri Crimson	2,700
	Howo	10
	Jersey Bell	4,920
	Lorraine	1,142
	Morningglow	5,650
	Mrs. Fischer	400
	Orange Beauty	10
	Orange Queen	3,261
	Pinkpearl. <u>See</u> Azuma Kagami.	--
	Salmon Beauty	44,405
	Salmon King	1,040
	Salmon Queen	10

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
<u>Azalea kurume</u> (Continued)	Kurume Azalea, Snow	38,660
	Suetsumu	13,521
	Sunstar	10
	Sweetbrier	21,980
<u>mollis</u>	Chinese Azalea	9,260
	Columbus	1,100
	Mary	10
	Snow Queen	4,059
<u>mucronulata</u>		948
<u>obtusa alba</u>	White Azalea	150
<u>amoena</u>	Amoena Azalea	10
<u>rutherfordiana</u>	Rutherford Azalea	2,585
	Alaska	18,743
	Albion	12,438
	Alice Muller	20,227
	Christmas Red	1,305
	Constance	7,079
	Crimson Glory	1,867
	Delight	1,727
	Dorothy Gish	9,030
	Firelight	4,804
	Indian Chief	176
	Mary Corcoran	2,594
	Motherofpearl	466
	Orange King	2,887
	Pink Ruffles	11,626
	Pocahontas	1,476
	President F.D.Roosevelt	2,221
	Purity	9,923
	Rhapsody	777
	Royal Purple	132
	Rubydust	75
	Salmon Glow	13,768
	Salmon Joy	55
	Salmon Perfection	9,696
	Snowbank	1,600
	Snow Queen	160
	Sunset	7,247
	Yuletide	543
<u>sanderi</u>	Sander Azalea, Firefly. <u>See</u> Hexe.	--
	Hexe	41,844
	Hexe de Saffalare	10,700
	Mdlle. Sanders	71
	Rose Queen	525
	Ruby	170
Babysbreath	<u>See</u> <u>Gypsophila paniculata.</u>	--
Babystears	<u>See</u> <u>Helxine.</u>	--
Balloonflower	<u>See</u> <u>Platycodon.</u>	--
Banana	<u>See</u> <u>Musa.</u>	--
Baptisia <u>australis</u>	Blue Wildindigo	250
Barberry	<u>See</u> <u>Berberis.</u>	--
Barley	<u>See</u> <u>Hordeum.</u>	--

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
Basketvine	See <u>Aeschynanthus</u> .	--
Beebalm	See <u>Monarda</u> .	--
Beet	See <u>Beta</u> .	--
<u>Begonia</u> sp.	Begonia	660
	Abel Carriere	10
	Argenteoguttata	25
	Genessee Beauty	150
	Heracleicotyle	20
	Lady Mac	150
	Lucerne	150
	Margaritacea	10
	Marjorie Gibbs	150
	Mrs. Townsend. See Heracleicotyle.	--
	Nellie Bly	10
	Pres. Carnot	160
	Saxony	25
	Scandinavia	3
	Scarlet Beauty	50
	Speculata	40
<u>aconitifolia</u>	- - -	15
<u>comata</u>	- - -	10
<u>foliosa</u>	- - -	35
<u>fuchsioides</u>	- - -	30
<u>glaucophylla</u>	- - -	75
<u>haageana</u>	- - -	30
<u>heracleifolia</u>	- - -	30
<u>imperialis</u>	Imperial Begonia	30
<u> smaragdina</u>	Green Imperial Begonia	10
<u>luxurians</u>	- - -	50
<u>maculata</u>	- - -	40
<u>manicata</u> <u>aureo-maculata</u>	- - -	60
<u>metallica</u>	Steel Begonia	40
<u>nitida</u> <u>odorata</u>	Glossy Begonia	60
<u>rex</u>	Assamking Begonia	26
	Bella	185
	Corkscrew	10
	Fairy	160
	Glory of St. Albans	1
	Helen Teupel	160
	Her Majesty	185
	Herman Teupel	135
	Libelle	210
	Meteor Superba	160
	Midnight	210
	Mme. Rampke	110
	Peace	160
	Salamander	110
	Silver Queen	210
	Vesuvius	135
<u>semperflorens</u>	Perpetual Begonia, King of the Reds	15
<u>ulmifolia</u>	- - -	10
Bellflower	See <u>Campanula</u> .	--

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
<u>Bellis perennis</u>	English Daisy	140,000
	Chrispi Cherry	33,000
	Crimson	62,000
	Longfellow	40,000
	Montrose	20
	Rose	120,000
	Super Giant Red	36,000
	Super Giant White	64,000
	Tubulosa Etna	56,000
	White	50,000
<u>Beloperone guttata</u>	Rattlesnake Beloperone	10
<u>Berberis cretica</u>	Cretan Barberry	300
<u>mentorensis</u>	Mentor Barberry	28
<u>verruculosa</u>	Warty Barberry	20
<u>Bertolonia pubescens</u>	Chocolate Bertolonia	50
<u>Beta vulgaris</u>	Common Beet, Detroit Dark Red	10
<u>Billbergia alberti</u>	Albert Airbrom	20
<u>amoena</u>	Showy Airbrom	20
<u>beucker</u>	- - -	20
<u>distachya</u>	- - -	20
<u>macrocalyx</u>	- - -	10
<u>meyeri</u>	Meyer Airbrom	25
<u>nutans</u>	Bluerim Airbrom	110
<u>pallescens</u>	- - -	75
<u>pyramidalis</u>	Violetrim Airbrom	110
<u>rhodocyanea</u>	See <u>Aechmea fasciata</u> .	--
<u>sanderiana</u>	Sander Airbrom	135
<u>saundersii</u>	- - -	60
<u>thyrsoidea</u>	See <u>B. pyramidalis</u> .	--
<u>zebrina</u>	Zebra Airbrom	70
<u>Biota</u>	See <u>Thuja</u> .	--
<u>Bird-of-Paradise-Flower</u>	See <u>Strelitzia</u> .	--
<u>Birdsnestfern</u>	See <u>Asplenium</u> .	--
<u>Bitterweed</u>	See <u>Helenium</u> .	--
<u>Blackberry</u>	See <u>Rubus</u> .	--
<u>Bleedingheart</u>	See <u>Dicentra</u> .	--
<u>Bluebeard</u>	See <u>Caryopteris</u> .	--
<u>Bluebells</u>	See <u>Mertensia</u> .	--
<u>Bluebells of Scotland</u>	See <u>Campanula</u> .	--
<u>Blueberry</u>	See <u>Vaccinium</u> .	--
<u>Boltonia latisquama</u>	Violet Boltonia	300
<u>Bougainvillea spectabilis</u>	Brazil Bougainvillea, Crimson Lake	10
<u>trolli</u>	Trolls Bougainvillea, Harris	5
<u>Bouvardia sp.</u>	Bouvardia, Albatross	150
	Christmas Red	175
	Corymbiflora Giant Pink	175
<u>humboldtii</u>	Sweet Bouvardia	175
<u>Bowmansroot</u>	See <u>Gillenia</u> .	--
<u>Box</u>	See <u>Buxus</u> .	--
<u>Bracketplant</u>	See <u>Chlorophytum</u> .	--
<u>Brake</u>	See <u>Pteris</u> .	--

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
<u>Brassica chinensis</u>	Pakchoi, or Chinese Cabbage	40
<u>oleracea acephala</u>	Kale, Dwarf Siberian	10
<u>capitata</u>	Cabbage	10
<u>rapa</u>	Early Wakefield	40
<u>Brunfelsia latifolia</u>	Turnip, Purple-top White Globe	40
<u>Brunnera macrophylla</u>	Broadleaf Raintree	50
<u>Buddleia sp.</u>	Heartleaf Brunnera	510
	Butterflybush	10
	Fascinating	50
	Flaming Violet	50
	Fortune	50
	Peace	50
	Purple Prince	50
<u>davidi</u>	Orangeeye Butterflybush, Charming	300
	Concord	600
	Ile de France	600
	Royal Red	400
<u>magnifica</u>	Oxeye Butterflybush	50
Bugbane	See <u>Cimicifuga</u> .	--
Bugle	See <u>Ajuga</u> .	--
Bugloss	See <u>Anchusa</u> .	--
Bulrush	See <u>Scirpus</u> .	--
Burzwort	See <u>Herniaria</u> .	--
Butterflybush	See <u>Buddleia</u> .	--
<u>Buxus sp.</u>	Box	5,629
<u>balearica</u>	Spanish Box	540
<u>sempervirens</u>	Common Box	20
<u>pyramidata</u>	Pyramid Common Box	540
<u>suffruticosa</u>	Truedwarf Box	20
Cabbage	See <u>Brassica</u> .	--
Cactus	See <u>Cereus</u> .	--
<u>Calathea argyrea</u>	- - -	25
<u>lietzel</u>	- - -	10
<u>lindeniana</u>	Lindens Calathea	25
<u>makoyana</u>	Makoy Calathea	20
<u>ornata roseilineata</u>	Roseline Bigleaf Calathea	30
<u>vandenheckei</u>	Vandenheck Calathea	30
<u>zebrina</u>	Zebra Calathea	20
<u>Calceolaria sp.</u>	Calceolaria, Imperial Perfection	2
	Mary Louise	2
	Multiflora Nana	2
	Newyork	2
	Pink Perfection	2
	Pure Flame	2
	Roseacres	2
	Sensation	2
	Stewart	2
<u>Calendula sp.</u>	Calendula, Orange Ball	40
<u>Calliopsis</u>	See <u>Coreopsis</u> .	--

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
<u>Centaurea dealbata</u>	Persian Centaurea	150
	Steenberg	700
<u>macrocephala</u>	Globe Centaurea	250
<u>montana</u>	Mountainbluet	900
<u>Centranthus ruber</u>	Jupitersbeard Centranthus	320
<u>albus</u>	White Jupitersbeard Centranthus	360
<u>Cerastium tomentosum</u>	Snow-in-Summer	710
<u>Ceratostigma plumbaginoides</u>	Blue Ceratostigma	1,710
<u>Cereal, Barley</u>	See <u>Hordeum</u> .	--
Corn	See <u>Zea</u> .	--
Oats	See <u>Avena</u> .	--
Rye	See <u>Secale</u> .	--
Wheat	See <u>Triticum</u> .	--
<u>Cereus candelaris</u>	Candle Cactus	15
<u>Chamaecyparis lawsoniana</u>	Lawson Falsecypress	20
<u>nootkatensis glauca</u>	Blue Nootka Falsecypress	6
<u>obtusa gracilis</u>	Slender Hinoki Falsecypress	1,823
<u>pisifera</u>	Sawara Falsecypress	120
<u>aurea</u>	Golden Sawara Falsecypress	2,011
<u>filifera aurea</u>	Yellowthread Sawara Falsecypress	10
<u>plumosa</u>	Plume Sawara Falsecypress	3,812
<u>aurea</u>	Goldenplume Sawara Falsecypress	6,905
<u>squarrosa</u>	Moss Sawara Falsecypress	457
<u>Cheiranthus allioni</u>	See <u>Erysimum asperum</u> .	--
<u>Chelone glabra</u>	White Turtlehead	100
<u>lyoni</u>	Pink Turtlehead	100
Cherry	See <u>Prunus</u> .	--
Chinagreen	See <u>Aglaonema</u> .	--
Chinese Evergreen	See <u>Aglaonema</u> .	--
Chive	See <u>Allium</u> .	--
<u>Chlorophytum elatum</u>	Bracketplant	85
Chokeberry	See <u>Aronia</u> .	--
<u>Chorizema ilicifolium</u>	Holly Flamepea	10
Christmasfern	See <u>Polystichum</u> .	--
Christmasrose	See <u>Helleborus</u> .	--
<u>Chrysanthemum sp.</u>	Chrysanthemum	2,010
	Alaska	1,040
	Allegro	400
	Arctic Queen	400
	Astrid	65
	Autumn Lights	80
	Aviator	450
	Barbara Small	400
	Bergundy	100
	Boston Daisy	10
	Butterball	400
	Calendula	400
	Chiang Kai Shek	65
	Coral Sea	400
	Esther Read	10
	Eugene A. Wander	65
	Generalissima	65
	Goblin	85

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
<u>Chrysanthemum</u> sp. (continued)	Chrysanthemum, Harbinger	400
	Indian Summer	135
	Jean Cumming	190
	Nashua	400
	North Star	25
	Pale Moon	75
	Polar Ice	400
	Red Wood	20
	Rembrandt	50
	Robert Brydon	400
	Sequoia	100
	Shasta	200
	Sunapee	400
	Symphony	65
	Tiffany Rose	20
	White Cactus	65
	White Swan	2,000
	Winnetka	100
	Button Chrysanthemum, Early Bronze	400
	Irene	400
	Judith Anderson	425
	Julie Lagraver	400
	Little Bob	400
	Cushion Chrysanthemum, Apricot Glow	400
	Gold Cushion	75
	King Cushion	100
	Lemon	400
	Major Cushion	400
	Pink Cushion	400
	Queen Cushion	50
	Red Cushion	550
	Rose Cushion	110
	Supreme Yellow	400
	White	400
	Yellow	400
	Hardy Chrysanthemum, Algonquin	400
	Autumn Lights	400
	Avalanche	425
	Burgundy	400
	Caliph	400
	Chippewa	425
	Early Joan Helen	400
	Eureka	100
	Eureka Giant	400
	Fireglow	400
	Granny Scovill	400
	King Midas	500
	Lavender Lady	500
	Mandalay	400
	Mrs. Pierre S. Du Pont III	560
	Pink Radiance	400
	Red Gold	400
	Red Velvet	500

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
<u>Chrysanthemum</u> sp. (continued)	Hardy Chrysanthemum, Silver Tips	400
	The Chief	400
	Pompon Chrysanthemum, Dean Kay	400
	Dean Kay Yellow	400
	Dean Ladd	400
	Early Wonder	400
	Lavender Lassie	400
	Lillian Doty	500
	Red Doty	550
	September Bronze	400
	September Cloud	400
	September Gold	500
	White Doty	400
	Yellow Doty	400
	Spoon Chrysanthemum, Bronze	400
	Orchid	400
	Pink	400
	Red	400
	Rose	400
	Yellow	400
<u>amaliae</u>	Amalia Chrysanthemum	125
<u>arcticum</u>	Arctic Chrysanthemum, Astrid	400
	Kristina	400
	North Star	400
	Siegfried	400
<u>cinerariaefolium</u>	Dalmatian Pyrethrum	3,100
<u>coccineum</u>	Florists Pyrethrum	2,500
	Buckeye	50
	James Kelway	50
	Lord Rosebury	50
	Miami Queen	125
<u>maximum</u>	Pyrenees Chrysanthemum, Conqueror	400
	Diener's Giant Beauty	400
	Esther Reed	910
	Mount Shasta	500
	Mrs. C. Lothian Bell	400
	Shastadaisy	100
	White Swan	485
<u>robinsoni</u>	Robinson Pyrenees Chrysanthemum	200
<u>roseum</u>	Pink Pyrenees Chrysanthemum	1,200
<u>uliginosum</u>	Giantdaisy, Clara Curtis	400
	Moon Daisy	400
<u>Cibotium schiedel</u>	Mexican Cibotium	5,874
<u>Cimicifuga foetida</u>	Kamchatka Bugbane	250
<u>simplex</u>	Kamchatka Bugbane, White Pearl	100
<u>racemosa</u>	Cohosh Bugbane	250
<u>simplex</u>	See <u>C. foetida simplex</u> .	--
<u>Cineraria</u>	See <u>Senecio</u> .	--
<u>Cinquefoil</u>	See <u>Potentilla</u> .	--

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
<u>Cissus</u> <u>discolor</u>	Begonia Treebine	20
<u>nijegerensis</u>	- - -	50
<u>rhombifolia</u>	Venzuela Treebine	18
<u>sicyoides</u>	Waterwithe Treebine	10
<u>amazonica</u>	Amazon Waterwithe Treebine	20
<u>striata</u>	Striped Treebine	10
<u>voineriana</u>	- - -	5
<u>Citrus</u> <u>limon</u> <u>ponderosa</u>	American Wonder Lemon	5
<u>taitensis</u>	Otaheite Dwarf Orange	5
Clearweed	See <u>Pilea</u> .	--
<u>Clematis</u> <u>paniculata</u>	Sweetautumn Clematis	526
<u>Clerodendron</u> <u>thomsonae</u>	Bleedingheart Glorybower	30
Clover, White	See <u>Trifolium</u> .	--
<u>Codiaeum</u> <u>andreaeanum</u>	Andre Leafcrotton	50
<u>variegatum</u>	Leafcrotton, Baronne de Rothschild	60
	Corkscrew	20
	<u>Punctatum</u> . See <u>Speckled</u> .	--
	Speckled	50
<u>Coleus</u> sp.	Coleus	10
<u>Colocasia</u> <u>antiquorum</u> <u>fontanesi</u>	Desfontaines Taro	50
Columbine	See <u>Aquilegia</u> .	--
Coneflower	See <u>Rudbeckia</u> .	--
<u>Convallaria</u> <u>majalis</u>	Lilyofthevalley	1,000
<u>fortunei</u>	Fortunes Lilyofthevalley	400
Copperleaf	See <u>Acalypha</u> .	--
Coralbells	See <u>Heuchera</u> .	--
<u>Cordyline</u> <u>terminalis</u>	Common Dracena	20
<u>Coreopsis</u> sp.	Coreopsis, Sunburst	600
<u>grandiflora</u> <u>florepleno</u>	Bigdouble Coreopsis	500
<u>lanceolata</u>	Lance Coreopsis, Mayfield Giant	300
<u>tinctoria</u>	Calliopsis, Cornata	40
Corn	See <u>Zea</u> .	--
Cornflower	See <u>Centaurea</u> .	--
<u>Cornus</u> <u>florida</u>	Flowering Dogwood	42,740
<u>Cotoneaster</u> <u>acutifolia</u>	Peking Cotoneaster	20
<u>horizontalis</u>	Rock Cotoneaster	30
<u>Crassula</u> sp.	Crassula	5,371
<u>arborescens</u>	- - -	21
Creeper	See <u>Parthenocissus</u> .	--
<u>Croton</u> <u>punctatus</u>	Croton	10
<u>Cryptanthus</u> <u>acaulis</u>	- - -	60
<u>discolor</u>	- - -	75
<u>ruber</u>	- - -	75
<u>beuckeri</u>	- - -	50
<u>osyanus</u>	- - -	50
<u>roseus</u> <u>pictus</u>	- - -	100
<u>rubescens</u>	- - -	10
<u>terminalis</u>	- - -	30
<u>zonatus</u> <u>zebrinus</u>	- - -	100
<u>Cryptomeria</u> <u>japonica</u> <u>lobbi</u>	Lobb Cryptomeria	138
<u>Ctenanthe</u> <u>oppenheimiana</u>	- - -	10
<u>tricolor</u>	- - -	20
Cucumber	See <u>Cucumis</u> .	--

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
<u>Cucumis melo</u>	Muskmelon, Hale's Best	10
<u>sativus</u>	Cucumber, Black Diamond	10
<u>Cucurbita maxima</u>	Squash, Hubbard	40
<u>Cupflower</u>	See <u>Nierembergia</u> .	--
<u>Cupidsdart</u>	See <u>Catananche</u> .	--
<u>Curmeria wallisi</u>	See <u>Homalomena wallisi</u> .	--
<u>Cyclamen</u> sp.	Cyclamen	20,926
<u>neopolitanum</u>	Neopolitan Cyclamen	600
<u>Cynodon dactylon</u>	Bermudagrass	--
<u>Cyperus alternifolius</u>	Umbrella Flatsedge	10
<u>Cypripedium acaule</u>	Pink Ladyslipper	250
<u>calceolus pubescens</u>	Yellow Ladyslipper	250
<u>reginae</u>	Showy Ladyslipper	250
<u>Cyrtomium falcatum</u> <u>rochfordianum</u>	<u>compactum</u> Dwarf Rochfordfern	50,000
<u>Dactylis glomerata</u>	Orchardgrass	--
<u>Daisy</u>	See <u>Bellis</u> .	--
<u>Daphne</u> sp.	Daphne, Somerset	65
<u>cneorum</u>	Rose Daphne	1,010
<u>Daucus carota sativa</u>	Garden Carrot, Danvers Half-long	100
<u>Davallia fijiensis</u>	Fiji Davallia	3,565
<u>plumosa</u>	Plumed Fiji Davallia	5
<u>pentaphylla</u>	Fiveblade Davallia	5
<u>Daylily</u>	See <u>Hemerocallis</u> .	--
<u>Delphinium</u> sp.	Larkspur	1,500
	B. and A. Hybrids	5,000
	Belladonna	50,510
	Bellamosum	25,675
	Chinese Blue	120
	Cliveden Beauty	10,075
	Gold Medal	2,575
	Lamartine	3,500
	Pacific	5,000
	Round Table	75
<u>chinensis</u>	Chinese Larkspur	200
<u>alba</u>	White Chinese Larkspur	200
<u>elatum</u>	Bee Larkspur, Black Knight	750
	Blue Jay	750
	Cameliard	750
	Galahad	825
	Guinevere	750
	King Arthur	750
	Summersky	75
<u>Dendropogon</u>	See <u>Tillandsia</u> .	--
<u>Desertcandle</u>	See <u>Eremurus</u> .	--
<u>Deutzia gracilis</u>	Slender Deutzia	436
<u>scabra</u>	Fuzzy Deutzia, Pride of Rochester	500

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
<u>Dianthus</u> sp.	- - -	156
<u>barbatus</u>	Sweetwilliam, Pink Beauty	10
	Scarlet Beauty	10
<u>albus</u>	White Sweetwilliam	385
<u>alpinus</u>	Alpine Sweetwilliam, Newport Pink	2,500
<u>salamoni</u> <u>atrococcineus</u>	Scarlet Salmon Sweetwilliam	100
<u>caryophyllus</u>	Carnation	310
	Beatrice	110
	Bismark	710
	Blue Shades	2,000
	Crimson	1,000
	Cynthia	50
	Eleanor	10
	Grenadier	600
	Grenadier Pink	1,500
	Grenadier Red	2,000
	Grenadier White	700
	Joan Marie	10
	King Cardinal	10
	Lorna	50
	Lucia	100
	Middlemount Red	10
	Minuet	10
	Mrs. Scott Elliott	1,200
	Olivette	10
	Orchid Beauty	10
	Pharaoh	10
	Pink Shades	1,000
	Scarlet	250
	Seth Parker	10
	Silvermine	120
	Snowqueen	1,000
	Sophelia	10
	Virginia Hercules	10
	Ward	10
<u>deltoides</u>	Maiden Pink	75
<u>latifolius</u>	Button Pink, Beatrice	970
	Furst Bismark	1,000
	Pink Princess	1,500
	Rock Haven Red	100
	Silvermine	600
	White Reserve	900
<u>plumarius</u>	Grass Pink	1,100
	Essex Witch	50
	Pink Princess	1,500
<u>albiflorus</u>	White Grass Pink	575
<u>Dicentra</u> sp.	Bleedingheart	14,422
	Sweetheart	25
<u>cucullaria</u>	Dutchmans-Breeches	150
<u>eximia</u>	Fringed Bleedingheart	3,100
<u>spectabilis</u>	Common Bleedingheart	430

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
<u>Dictamnus albus</u>	Gasplant Dittany	400
<u>purpureus</u>	Ruber Gasplant Dittany	900
<u>fraxinella alba</u>	See <u>D. albus</u> .	--
<u>Dieffenbachia bausei</u>	Bause Tuftroot	20
<u>imperialis</u>	Imperial Tuftroot	5
<u>leoni</u>	- - -	10
<u>picta</u>	Variable Tuftroot	26
	Rudolph Roehrs	20
<u>barraquiniana</u> - - -		10
<u>jenmanni</u> - - -		10
<u>memoria carsi</u> Cars Tuftroot		20
<u>superba</u> - - -		15
<u>splendens</u>	Whitespot Tuftroot	15
<u>Dielytra spectabilis</u>	See <u>Dicentra</u> .	--
<u>Digitalis</u> sp.	Foxglove, Shirley	3,310
<u>ambigua</u>	Yellow Foxglove	250
<u>purpurea</u>	Common Foxglove	600
	Isabell	300
<u>alba</u>	White Common Foxglove	125
<u>gloxiniaeflora</u>	Gloxinia Foxglove	1,100
<u>rosea</u>	Rose Common Foxglove	130
Dittany	See <u>Dictamnus</u> .	--
Dogwood	See <u>Cornus</u> .	--
<u>Doronicum caucasicum</u>	Caucasian Leopardbane	375
	Mme. Mason	1,910
<u>clusii</u>	Downy Leopardbane	100
<u>pardalianches</u>	- - -	150
Douglasfir	See <u>Pseudotsuga</u> .	--
<u>Dracena</u>	See <u>Cordyline</u> .	--
<u>Dracaena dermensis warnecki</u>	- - -	10
<u>fragrans lindeni</u>	Linden Fragrant Dracaena	10
<u>longi</u>	- - -	15
<u>massangeana</u>	- - -	6
<u>pennocki</u>	- - -	5
<u>rothiana</u>	Roth Fragrant Dracaena	5
<u>victoriae</u>	Victoria Dracaena	20
<u>godseffiana kelleri</u>	Keller Dracaena	6
<u>goldieana</u>	Goldie Dracaena	20
<u>gracilis</u>	- - -	40
<u>terminalis</u>	See <u>Cordyline terminalis</u> .	--
<u>Dracoecephalum virginianum</u>	See <u>Physostegia virginiana</u> .	--
Dragonhead, False	See <u>Physostegia</u> .	--
Droptongue	See <u>Schismatoglottis</u> .	--
Dropwort	See <u>Filipendula</u> .	--
Dutchmans-Breeches	See <u>Dicentra</u> .	--
Dutchmanspipe	See <u>Aristolochia</u> .	--
<u>Dyckia sulphurea</u>	Sulphur Dyckia	50
<u>Echinacea purpurea</u>	Purple Echinacea	500
<u>Echinops humilis</u>	Siberian Globethistle	1,100
<u>ritro</u>	Small Globethistle	400
Edelweiss	See <u>Leontopodium</u> .	--
Eggplant	See <u>Solanum</u> .	--
Elephantsear	See <u>Colocasia</u> .	--

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
<u>Epimedium alpinum rubrum</u>	Red Alpine Epimedium	350
<u>macranthum niveum</u>	Snowy Epimedium	1,000
<u>roseum</u>	Bishopshat Epimedium	300
<u>violaceum</u>	Violet Epimedium	900
<u>pinnatum elegans</u>	Showy Goldenfleece Epimedium	900
<u>sulphureum</u>	Yellow Epimedium	500
<u>Episica coccinea</u>	- - -	110
<u>cupreata</u>	- - -	20
<u>Eremurus sp.</u>	Desertcandle	200
<u>Erica carnea rosea</u>	Rosypink Spring Heath	200
<u>mediterranea</u>	Biscay Heath	200
<u>stricta</u>	Corsican Heath	200
<u>tetralix</u>	Crossleaf Heath	100
<u>Erigeron speciosus</u>	Oregon Fleabane	225
<u>Erinus alpinus albus</u>	Wall Alpine Liverbalsam	45
<u>roseus</u>	Roseus Alpine Liverbalsam	220
<u>Erodium chamaedryoides</u>	Heronbill	300
<u>Eryngium alpinum</u>	Bluetop Eryngo	150
<u>amethystinum</u>	Amethyst Eryngo	300
<u>Eryngo</u>	See <u>Eryngium</u> .	--
<u>Erysimum asperum</u>	Plains Erysimum	260
<u>Eucharis grandiflora</u>	Amazonlily Eucharis	5
<u>Euonymus alatus compactus</u>	Dwarf Winged Euonymus	78
<u>fortunei kewensis</u>	Kew Wintercreeper Euonymus	150
<u>radicans</u>	Common Wintercreeper Euonymus	350
<u>vegetus</u>	Bigleaf Wintercreeper Euonymus	210
<u>vegetus</u>	See <u>E. fortunei vegetus</u> .	--
<u>Eupatorium coelestinum</u>	Mistflower Eupatorium	4,520
<u>Euphorbia epithymoides</u>	Cushion Euphorbia	110
<u>polychroma</u>	See <u>E. epithymoides</u> .	--
<u>pulcherrima</u>	Oakleaf Poinsettia	10
<u>Falsecypress</u>	See <u>Chamaecyparis</u> .	--
<u>Falseflag</u>	See <u>Neomarica</u> .	--
<u>Farfugium grande</u>	See <u>Ligularia kaempferi</u> .	--
<u>Fatsia japonica</u>	Japanese Fatsia	10
<u>Fern, Birdsnestfern</u>	See <u>Asplenium</u> .	--
<u>Boston Fern</u>	See <u>Nephrolepis</u> .	--
<u>Brake</u>	See <u>Pteris</u> .	--
<u>Christmasfern</u>	See <u>Polystichum</u> .	--
<u>Cibotium Fern</u>	See <u>Cibotium</u> .	--
<u>Cliffbrake</u>	See <u>Pellaea</u> .	--
<u>Davallia Fern</u>	See <u>Davallia</u> .	--
<u>Hartstongue Fern</u>	See <u>Phyllitis</u> .	--
<u>Holly Fern</u>	See <u>Potystichum</u> .	--
<u>House-holly Fern</u>	See <u>Cyrtomium</u> .	--
<u>Maidenhair Fern</u>	See <u>Adiantum</u> .	--
<u>Polypody Fern</u>	See <u>Polypodium</u> .	--
<u>Rochfordfern</u>	See <u>Cyrtomium</u> .	--
<u>Staghorn Fern</u>	See <u>Platynerium</u> .	--
<u>Treefern</u>	See <u>Alsophila</u> .	--
<u>Festuca elatior</u>	Meadow Fescue	--
<u>rubra commutata</u>	Chewings Fescue	--
<u>Feverfew</u>	See <u>Matricaria</u> .	--

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
<u>Ficus australis</u>	See <u>F. rubiginosa</u> .	--
<u> elastica</u>	Indiarubber Fig	6
<u> exotica</u>	- - -	10
<u> pumila</u>	Climbing Fig	150
<u> radicans variegata</u>	Variegated Rooting Fig	60
<u> repens</u>	See <u>F. pumila</u> .	--
<u> rubiginosa</u>	Rusty Fig	10
<u>Fig</u>	See <u>Ficus</u> .	--
<u>Filipendula hexapetala</u>	Dropwort	550
<u> florepleno</u>	Double Dropwort	1,210
<u> purpurea elegans</u>	Showy Japanese Meadowsweet	200
<u> rubra venusta</u>	Prairie Meadowsweet, Martha Washington	1,500
<u>Firethorn</u>	See <u>Pyracantha</u> .	--
<u>Fittonia verschaffeltii</u>	Tall Fittonia	60
<u> argyroneura</u>	Silvernerve Fittonia	110
<u> pearcei</u>	Pearce Fittonia	60
<u>Flamepea</u>	See <u>Chorizema</u> .	--
<u>Flatsedge</u>	See <u>Cyperus</u> .	--
<u>Flax</u>	See <u>Linum</u> .	--
<u>Fleabane</u>	See <u>Erigeron</u> .	--
<u>Foamflower</u>	See <u>Tiarella</u> .	--
<u>Forgetmenot</u>	See <u>Myosotis</u> .	--
<u>Forsythia intermedia primulina</u>	Primrose Border Forsythia	300
<u> suspensa</u>	Weeping Forsythia	300
<u>Foxglove</u>	See <u>Digitalis</u> .	--
<u>Franciscea</u>	See <u>Brunfelsia</u> .	--
<u>Fuchsia sp.</u>	Fuchsia	30
<u> magellanica</u>	Magellan Fuchsia	400
<u>Funkia alba</u>	See <u>Hosta plantaginea</u> .	--
<u> lanceolata</u>	See <u>Hosta caerulea</u> .	--
<u> subcordata</u>	See <u>Hosta plantaginea</u> .	--
<u>Gaillardia sp.</u>	Gaillardia, Goblin	800
<u> aristata</u>	Common Perennial Gaillardia	700
<u> grandiflora</u>	Portola	1,500
<u>Galangal</u>	See <u>G. aristata</u> .	--
<u>Gardenia jasminoides</u>	See <u>Alpinia</u> .	--
<u>Gayfeather</u>	Capejasmine	10
<u>Gentian</u>	See <u>Liatris</u> .	--
<u>Gentiana acaulis clusii</u>	See <u>Gentiana</u> .	--
<u> andrewsii</u>	Clusius Stemless Gentian	150
<u> linearis</u>	Andrews Gentian	200
<u>Geranium, Garden</u>	Narrowleaf Gentian	200
<u>Geranium ibericum platypetalum</u>	See <u>Pelargonium</u> .	--
<u> platypetalum</u>	See <u>G. platypetalum</u> .	--
<u> sanguineum</u>	- - -	250
<u>Germander</u>	Bloodred Geranium	250
<u>Geum borisi</u>	See <u>Teucrium</u> .	--
<u> chiloense</u>	- - -	200
<u>Giantdaisy</u>	Chile Avens, Lady Stratheden	1,675
<u>Gillenia trifoliata</u>	Mrs. Bradshaw	485
	Princess Juliana	300
	Prince of Orange	150
	See <u>Chrysanthemum uliginosum</u> .	--
	Bowmansroot	50

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
<u>Ginkgo biloba</u>	Ginkgo	20
<u>Globedaisy</u>	See <u>Globularia.</u>	--
<u>Globeflower</u>	See <u>Trollius.</u>	--
<u>Globethistle</u>	See <u>Echinops.</u>	--
<u>Globularia cordifolia</u>	Heartleaf Globedaisy	270
<u>Glorybower</u>	See <u>Clerodendron.</u>	--
<u>Glorybush</u>	See <u>Tibouchina.</u>	--
<u>Goatsbeard</u>	See <u>Aruncus.</u>	--
<u>Goldenray</u>	See <u>Ligularia.</u>	--
<u>Grape</u>	See <u>Vitis.</u>	--
<u>Grass, Bentgrass</u>	See <u>Agrostis.</u>	--
<u>Bermudagrass</u>	See <u>Cynodon.</u>	--
<u>Bluegrass</u>	See <u>Poa.</u>	--
<u>Fescue</u>	See <u>Festuca.</u>	--
<u>Orchardgrass</u>	See <u>Dactylis.</u>	--
<u>Redtop</u>	See <u>Agrostis.</u>	--
<u>Ryegrass</u>	See <u>Lolium.</u>	--
<u>St. Augustinegrass</u>	See <u>Stenotophrum.</u>	--
<u>Witchgrass</u>	See <u>Panicum.</u>	--
<u>Grass Pink</u>	See <u>Dianthus.</u>	--
<u>Grevillea robusta</u>	Silkoak Grevillea	20
<u>Groundcherry</u>	See <u>Physalis.</u>	--
<u>Groundsel</u>	See <u>Senecio.</u>	--
<u>Guzmania musaica</u>	Colombian Guzmania	10
<u>zahnii</u>	- - -	50
<u>Gypsophila paniculata</u>	Babysbreath	800
	<u>Flamingo</u>	500
	Double Babysbreath	1,500
<u>florepleno</u>	Bodger Creeping Gypsophila	1,250
<u>repens bodgersi</u>	Rosy Creeping Gypsophila	1,250
<u>rosea</u>	Sticky Gypsophila, Bristolfairy	11,010
<u>viscosa</u>	See <u>Phyllitis.</u>	--
<u>Hartstongue Fern</u>	See <u>Erica.</u>	--
<u>Heath</u>	See <u>Calluna.</u>	--
<u>Heather</u>	- - -	300
<u>Hebe lyalli</u>	- - -	25
<u>Hechtia glomerata</u>	Ivy	250,020
<u>Hedera sp.</u>	Yellowedge Algerian Ivy	10
<u>canariensis variegata</u>	English Ivy	3
<u>helix</u>	Manda	20
	Pinoak	10
	Maple Queen	6
<u>baltica</u>	Baltic Ivy	25
<u>conglomerata</u>	Bunchleaf English Ivy	160
<u>cordata</u>	- - -	10
<u>hahnii</u>	Hahn English Ivy	12
<u>maculata</u>	Leopard English Ivy	20
<u>maderensis</u>	See <u>H. canariensis.</u>	--

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
<u>Helenium</u> sp.	Snееzweed, Baronin Linden	500
	Chippersfield Orange	500
	Crimson Beauty	500
	Peregrinum	750
	The Bishop	350
<u>autumnale rubrum</u>	Red Common Snееzweed	2,510
<u>tenuifolium</u>	Bitterweed, Riverton Beauty	1,010
	Riverton Gem	2,510
<u>Helianthemum nummularium</u>	Sunrose, Buttercup	900
	Double Orange	50
	Fireball	700
	Multiplex	225
	Mutabile	300
	Rhodanthe Carnea	600
<u>Helianthus</u> sp.	Sunflower, Loddon Gold	300
	Mrs. Fassel	200
	Orgyalis	150
<u>Heliconia bihai</u>	Carib Heliconia	100
<u>spectabilis</u>	- - -	50
<u>Heliopsis</u> sp.	Heliopsis, Golden Rays	10
<u>scabra</u>	Rough Heliopsis	400
<u>incomparabilis</u>	- - -	25
<u>Heliotropium</u> sp.	Heliotrope	10
Heliotrope	See <u>Heliotropium</u> .	--
Hellebore	See <u>Helleborus</u> .	--
<u>Helleborus niger</u>	Christmasrose	1,500
<u>Helxine soleirolii</u>	Babystears	50
<u>Hemerocallis</u> sp.	Daylily, Amaryllis	20
	Apricot	35
	Baystate	25
	Dora Wyman	35
	Dr. Regel	50
	Flavia	35
	Florham	35
	Gem	10
	Goblin, See Goldeni.	--
	Goldendream	20
	Goldeni	85
	Gypsy	60
	Hyperion	60
	J. A. Crawford	35
	Mrs. W. H. Wyman	60
	Ophir	35
	Patricia	110
	Serenade	20
	Thunbergi	15
<u>fulva kwanso</u>	Kwanso Tawny Daylily	10
<u>Hemigraphis colorata</u>	- - -	110
Hemlock	See <u>Tsuga</u> .	--
Hen-and-Chickens	See <u>Sempervivum tectorum</u> .	--
<u>Hepatica americana</u>	Roundlobe Hepatica	150
<u>Herniaria glabra</u>	German Ivy, or Common Burstwort	10
Heronbill	See <u>Erodium</u> .	--

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
<u>Heuchera</u> <u>brizoides</u>	See <u>H. lithophila</u> .	--
<u>lithophila</u>	Pinkbells	410
<u>rosemundi</u>	Rosemund Alumroot	65
<u>sanguinea</u>	Coralbells	30
	Cascade	200
	Garnet	400
	Oakington Jewel	200
	Perrys White	810
	Pluie de Feu	700
	Rosmond	1,150
	Snowflake	100
<u>Hibiscus</u> <u>rosa-sinensis cooperi</u>	Cooper Chinese Hibiscus	5
<u>Hoffmannia</u> <u>ghiesbreghti</u>	- - -	20
<u>refulgens</u>	- - -	20
Holly	See <u>Ilex</u> .	--
Hollyfern	See <u>Polystichum</u> .	--
Hollyhock	See <u>Althea</u> .	--
<u>Homalocladium</u> <u>platycladum</u>	Ribbonbush	25
<u>Homalomena</u> <u>wallisi</u>	- - -	15
Honeysuckle	See <u>Lonicera</u> .	--
<u>Hordeum</u> <u>vulgare</u>	Barley	--
<u>Hosta</u> sp.	Plantainlily	10
<u>caerulea</u>	Blue Plantainlily	200
<u>fortunei</u>	Fortunes Plantainlily	200
<u>plantaginea</u>	Fragrant Plantainlily	2,200
<u>undulata</u>	Wavyleaf Plantainlily	200
Houseleek	See <u>Sempervivum</u> .	--
<u>Hoya</u> <u>carnosa</u>	Common Waxplant	40
<u>variegata</u>	Variegated Waxplant	10
<u>Hydrangea</u> sp.	Hydrangea, Bobby Merritt	3,525
	Caprice	10
	Daphne	1,500
	Dundalk	2,075
	Engel's White	4,525
	Fort Schritt	2,000
	Jean Merritt	3,100
	Marveille	10
	Merritt's Beauty	1,400
	Regula	6,750
	Sonnengruss	1,410
	Strafford	36,275
<u>arborescens</u> <u>grandiflora</u>	Snowhill Smooth Hydrangea	456
<u>macrophylla</u>	Bigleaf Hydrangea, Altoona	10,350
	Ami Pasquaar	6,300
	Europa	10,075
	Gert Glahn	20,850
	Goliath	7,200
	Hamburg	18,100
	Kunert	10,150
	Louis Savage	30,050
	Marechal Foch	1,350
	M. Baardse	4,425
	Merveille	56,700

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
<u>Hydrangea macrophylla</u> (continued)	Bigleaf Hydrangea, Mme. E. Chautard	6
	Mme. E. Moulliere	1,700
	Niedersachen	7,850
	Rosabell	5,850
<u>paniculata grandiflora</u>	Peegee Panicle Hydrangea	90
<u>Hypericum</u> sp.	St. Johnswort, Sungold	100
<u>calycinum</u>	Aaronsbeard St. Johnswort	200
<u>Hypoestis sanguinolenta</u>	- - -	10
<u>Iberis sempervirens</u>	Evergreen Candytuft	11,170
	Little Gem	1,735
	Snowflake	11,935
<u>Ilex cornuta</u>	Chinese Holly	110
<u>glabra</u>	Inkberry	20
<u>opaca</u>	American Holly	20
<u>Impatiens sultani</u>	Sultan Snapweed	40
<u>variegata</u>	- - -	20
Inkberry	See <u>Ilex</u> .	--
<u>Iris cristata</u>	Crested Iris	110
<u>pumila</u>	Dwarf Iris, Atroviolacea	200
	Cyanea	500
	Mignonette	100
<u>Isolepis gracilis</u>	See <u>Scirpus cernuus</u> .	--
<u>Ivy, Algerian</u>	See <u>Hedera</u> .	--
Baltic	See <u>Hedera</u> .	--
English	See <u>Hedera</u> .	--
German	See <u>Herniaria</u> .	--
<u>Ivyarum</u>	See <u>Scindapsus</u> .	--
<u>Ixora coccinea</u>	Jungleflame Ixora, Prince Albert	30
<u>stricta rubra</u>	- - -	50
<u>Jacobinia carnea</u>	- - -	10
<u>Jasmine</u>	See <u>Jasminum</u> .	--
<u>Jasminum mesnyi</u>	Primrose Jasmine	25
<u>officinale affine</u>	- - -	10
<u>grandiflorum</u>	- - -	15
<u>primulinum</u>	See <u>J. mesnyi</u> .	--
<u>sambac</u>	Arabian Jasmine	10
	Maid of Orleans	30
<u>Johnnyjumpup</u>	See <u>Viola</u> .	--
<u>Juniper</u>	See <u>Juniperus</u> .	--
<u>Juniperus chinensis</u>	Chinese Juniper	2,228
<u>albovariegata</u>	White Variegated Chinese Juniper	138
<u>columnaris</u>	Columnar Chinese Juniper	3,607
<u>glauca</u>	Blue Columnar Chinese Juniper	6,694
<u>japonica</u>	Japanese Juniper	283
<u>albovariegata</u>	White Variegated Japanese Juniper	217
<u>mas</u>	- - -	238
<u>neaboriensis</u>	Conical Chinese Juniper	300
<u>pfitzeriana</u>	Pfitzer Chinese Juniper	19,482
<u>pyramidalis</u>	Pyramidal Chinese Juniper	1,928
<u>sargentii</u>	Sargent Chinese Juniper	2,640
<u>communis columnaris</u>	Upright Common Juniper	3,125
<u>glauca</u>	Blue Upright Common Juniper	1,885
<u>depressa</u>	Oldfield Common Juniper	479
<u>hibernica</u>	Irish Juniper	5,404

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
Juniperus (continued)		
<u>excelsa</u>	Greek Juniper	2,912
<u> stricta</u>	Spiny Greek Juniper	14,060
<u>horizontalis</u>	Creeping Juniper, Bar Harbor	43
<u> plumosa</u>	Andorra Creeping Juniper	1,222
<u>sabina</u>	Savin Juniper	528
<u> tamariscifolia</u>	Tamarix Savin Juniper	4
<u>scopulorum chandleri</u>	Chandler Rocky Mountain Juniper	2,133
<u>squamata meyeri</u>	Meyer Singleseed Juniper	2,771
<u> prostrata</u>	Prostrate Singleseed Juniper	12
<u>virginiana</u>	Eastern Redcedar	4,000
<u> burki</u>	Burk Eastern Redcedar	1,141
<u> canaerti</u>	Canaert Eastern Redcedar	5,224
<u> crebra</u>	North Eastern Redcedar	335
<u> glauca</u>	Silver Eastern Redcedar	3,926
<u> globosa</u>	Globe Eastern Redcedar	188
<u> hilli</u>	Hill Eastern Redcedar	1,207
<u> keteleeri</u>	Keterleer Eastern Redcedar	2,283
<u> schottii</u>	Schott Eastern Redcedar	156
<u> wallichiana</u>	Wallichs Juniper	100
<u>Justicia magnifica</u>	See <u>Jacobinia carnea</u> .	--
<u>Kalanchoe blossfeldiana</u>	- - -	12
<u> globulifera coccinea</u>	See <u>K. blossfeldiana</u> .	--
<u>Kale</u>	See <u>Brassica</u> .	--
<u>Kniphofia sp.</u>	Torchlily	1,500
	Golden Sceptre	200
	Goldmine	200
	Mt. Etna	50
	Primrose Beauty	200
	Robusta	200
	Royal Standard	200
	Vanilla	200
<u>Laburnum anagyroides</u>	Goldenchain Laburnum	20
<u>Lacinaria pycnostachya</u>	See <u>Liatris pycnostachya</u> .	--
<u>Lactuca sativa</u>	Garden Lettuce, White Boston	40
<u> longifolia</u>	Cos Lettuce, Paris White	40
<u>Ladyslipper</u>	See <u>Cypripedium</u> .	--
<u>Larkspur</u>	See <u>Delphinium</u> .	--
<u>Lathyrus latifolius</u>	Perennial Peavine, Pink Beauty	175
<u> albus</u>	Whitepearl Perennial Peavine	150
<u> rosea</u>	Rosy Perennial Peavine	50
<u>Laurocerasus</u>	See <u>Prunus</u> .	--
<u>Lavandula officinalis</u>	True Lavender	535
	Munstead Dwarf	300
<u> spica</u>	See <u>L. officinalis</u> .	--
<u> vera</u>	See <u>L. officinalis</u> .	--
<u>Lavender</u>	See <u>Lavandula</u> .	--
<u>Lavendercotton</u>	See <u>Santolina</u> .	--
<u>Leafcroton</u>	See <u>Codiaeum</u> .	--
<u>Lemon</u>	See <u>Citrus</u> .	--
<u>Leontopodium alpinum</u>	Common Edelweiss	200
<u>Leopardbane</u>	See <u>Doronicum</u> .	--
<u>Lettuce</u>	See <u>Lactuca</u> .	--

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
<u>Liatris pycnostachya</u>	Kansas Gayfeather	1,545
<u>scariosa</u>	Tall Gayfeather, September Glory	710
<u>alba</u>	White Tall Gayfeather	500
<u>Ligularium kaempferi</u>	Kaempfer Goldenray	20
<u>Lilac</u>	See <u>Syringa</u> .	--
<u>Lilium longiflorum</u>	Easter Lily	2,000
<u>Lily</u>	See <u>Lilium</u> .	--
<u>Lilyofthevalley</u>	See <u>Convallaria</u> .	--
<u>Lilyturf</u>	See <u>Mondo</u> .	--
<u>Linum flavum</u>	Golden Flax	440
<u>perenne</u>	Perennial Flax	2,210
<u>sibiricum</u>	See <u>L. perenne</u> .	--
<u>Lionsheart</u>	See <u>Physostegia</u> .	--
<u>Liverbalsam</u>	See <u>Erinus</u> .	--
<u>Lobelia cardinalis</u>	Cardinalflower	100
<u>siphilitica</u>	Bigblue Lobelia	225
<u>Lolium perenne</u>	Perennial Ryegrass	--
<u>Lonicera canadensis</u>	American Fly Honeysuckle	182
<u>henryi</u>	Henry Honeysuckle	25
<u>ruprechtiana</u>	Manchurian Honeysuckle	100
<u>tatarica</u>	Tatarian Honeysuckle	30
<u>Loosestrife</u>	See <u>Lysimachia</u> .	--
<u>Lungwort</u>	See <u>Pulmonaria</u> .	--
<u>Lychnis viscaria</u>	Clammy Campion	2,000
<u>splendens florepleno</u>	Double Rosepink Clammy Campion	10
<u>Lysimachia nummularia</u>	Moneywort	300
<u>punctata</u>	Spotted Loosestrife	400
<u>Lythrum sp.</u>	Lythrum, Mardens Pink	50
<u>salicaria</u>	Purple Lythrum, The Beacon	400
<u>roseum</u>	Rose Lythrum	250
<u>Magnolia liliflora nigra</u>	Purple Lily Magnolia	5
<u>soulangiana</u>	Saucer Magnolia	127
<u>stellata</u>	Star Magnolia	6
<u>Mahonia aquifolium</u>	Oregongrape	20
<u>Maidenhair Fern</u>	See <u>Adiantum</u> .	--
<u>Malanga</u>	See <u>Xanthosoma</u> .	--
<u>Maple</u>	See <u>Acer</u> .	--
<u>Maranta arundinacea</u>	Bermuda Arrowroot	30
<u>bicolor</u>	- - -	60
<u>calathea</u>	See <u>M. bicolor</u> .	--
<u>leuconeura kerchoveana</u>	Redspot Banded Arrowroot	50
<u>makoyana</u>	See <u>Calathea makoyana</u> .	--
<u>oppenheimiana</u>	See <u>Ctenanthe oppenheimiana</u> .	--
<u>ornata roseilineata</u>	See <u>Calathea ornata roseilineata</u> .	--
<u>vandenhecki</u>	See <u>Calathea vandenheckei</u> .	--
<u>Marcgravia paradoxa</u>	- - -	5
<u>Marica</u>	See <u>Neomarica</u> .	--
<u>Marjoram</u>	See <u>Origanum</u> .	--
<u>Matricaria tchihatchewi</u>	Turfindaisy, or Feverfew, or Mayweed	150
	Golden Ball	225
	Silver Ball	125
<u>Mayweed</u>	See <u>Matricaria</u> .	--

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
<u>Mazus japonicus</u>	- - -	100
<u>rugosus</u>	See <u>M. japonicus</u> .	--
Meadowrue	See <u>Thalictrum</u> .	--
Meadowsweet	See <u>Filipendula</u> .	--
<u>Medinilla magnifica</u>	- - -	30
<u>Mentha piperita</u>	Peppermint	250
<u>rotundifolia</u>	Apple Mint	250
<u>Mertensia virginica</u>	Virginia Bluebells	200
Milkweed	See <u>Asclepias</u> .	--
<u>Mimosa pudica</u>	Sensitiveplant	10
Mint	See <u>Mentha</u> .	--
<u>Monarda didyma</u>	Oswego Beebalm	1,000
<u>fistulosa alba</u>	White Wildbergamot Beebalm	75
<u>Mondo japonicum</u>	See <u>Ophiopogon japonicus</u> .	--
Moneywort	See <u>Lysimachia</u> .	--
Monkshood	See <u>Aconitum</u> .	--
Mother-of-Thyme	See <u>Thymus</u> .	--
Mountainbluet	See <u>Centaurea</u> .	--
<u>Muehlenbeckia axillaris</u>	Matbush Wirevine	200
<u>nana</u>	See <u>M. axillaris</u> .	--
<u>platyclados</u>	See <u>Homalocladium platycladum</u> .	--
<u>Musa cavendishi</u>	See <u>M. nana</u> .	--
<u>nana</u>	Dwarf Banana	10
Muskmelon	See <u>Cucumis</u> .	--
<u>Myosotis sp.</u>	Forgetmenot	10,200
<u>alpestris</u>	Alpine Forgetmenot	20
<u>palustris</u>	Blue Gem	50
<u>scorpioides</u>	See <u>M. scorpioides</u> .	--
<u>semperflorens</u>	True Forgetmenot	600
Nasturtium	Dwarf Perpetual True Forgetmenot	110
<u>Neomarica coerulesa</u>	See <u>Tropaeolum</u> .	--
<u>northiana</u>	- - -	10
<u>Neoregelia carolinae</u>	Norths Falseflag	5
<u>marcechali</u>	- - -	10
<u>marmorata</u>	- - -	10
<u>princeps</u>	- - -	25
<u>spectabilis</u>	- - -	10
<u>tristis</u>	- - -	5
<u>Nepenthes atrosanguinea</u>	Redbottle Nepenthes	5
<u>domini</u>	Domin Nepenthes	10
<u>intermedia</u>	Midway Nepenthes	5
<u>picturata</u>	See <u>Rhektophyllum mirabile</u> .	--
<u>williamsi</u>	Williams Nepenthes	5
<u>Nepeta sp.</u>	Nepeta, Souvenir d'Andre Chaudron	100
<u>mussini</u>	Persian Nepeta	3,310
<u>Nephrolepis exaltata bostoniensis</u>	Boston Fern	6
<u>Nephthytis sp.</u>	Nephthytis, Emerald Gem	25
<u>afzeli</u>	- - -	18
<u>liberica</u>	See <u>N. afzeli</u> .	--
<u>triphylla</u>	- - -	25

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
<u>Nidularium amazonicum</u>	- - -	15
<u>fulgens</u>	- - -	11
<u>innocenti</u>	- - -	20
<u>purpureum</u>	- - -	510
<u>striatum</u>	- - -	10
<u>Nierembergia rivularis</u>	White Cupflower	1,210
<u>Norfolkislandpine</u>	See <u>Araucaria</u> .	--
<u>Oats</u>	See <u>Avena</u> .	--
<u>Obedientplant</u>	See <u>Physostegia</u> .	--
<u>Oenothera fruticosa</u>	Common Sundrops	100
<u>youngi</u>	Youngs Common Sundrops	350
<u>glauca fraseri</u>	Fraser Blueleaf Sundrops	50
<u>fyrverkeri</u>	Fyrverker Blueleaf Sundrops	300
<u>missouriensis</u>	Ozark Sundrops	100
<u>Olea fragrans</u>	See <u>Osmanthus fragrans</u> .	--
<u>Ophiopogon japonicus</u>	Lilyturf	35
<u>Opuntia humilis</u>	See <u>O. tuna</u> .	--
<u>tuna</u>	Tuna Pricklypear	100
<u>Orange</u>	See <u>Citrus</u> .	--
<u>Oregongrape</u>	See <u>Mahonia</u> .	--
<u>Origanum vulgare</u>	Common Marjaram	150
<u>Osmanthus aquifolia</u>	See <u>O. ilicifolius</u> .	--
<u>fortunei</u>	Fortunes Osmanthus	10
<u>fragrans</u>	Sweet Osmanthus	5
<u>ilicifolius</u>	Holly Osmanthus	15
<u>Pachysandra procumbens</u>	Allegany Pachysandra	200
<u>terminalis</u>	Japanese Pachysandra	20,050
<u>Pakchoi</u>	See <u>Brassica</u> .	--
<u>Pandanus baptisti</u>	Screwpine	15
<u>sanderi</u>	Timor Screwpine	5
<u>veitchi</u>	Veitch Screwpine	56
<u>Panicum sp.</u>	Witchgrass	25
<u>Pansy, Garden</u>	See <u>Viola tricolor hortensis</u> .	--
<u>Papaver orientale</u>	Oriental Poppy	1,500
	Australia	75
	Barrs White	304
	Beauty of Livermere	125
	Betty Ann	265
	Cavalier	150
	Crimson Pompon	75
	Curtis Giant Mulberry	75
	Enchantress	75
	Fairy	110
	Fireball	100
	Gold of Ophir	879
	Grand Duke	100
	Helen Elizabeth	125
	Henri Cayeux	415
	Indian Chief	75
	Jeannie Mawson	125
	Joyce	75
	Lula A. Neeley	25
	May Sadler	127
	Mrs. G. Pott	100

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
<u>Papaver orientale</u> (continued)	Oriental Poppy, Mrs. Perry	267
	Mrs. (H.G.) Stobart	100
	Olympia	4
	Orange Perfection	75
	Oriental King	256
	Perrys White	75
	Peter Pan	100
	Phenomenal	100
	Pink Radiance	75
	Pixie	100
	Proserpine	120
	Purity	200
	Red Flame	350
	Salmon Glow	175
	Snowflake	75
	Toreador	75
	Trilby	100
	Watteau	150
	Wunderkind	75
Parsnip	See <u>Pastinaca</u> .	--
<u>Parthenocissus tricuspidata</u>	Japanese Creeper	600
<u>lowi</u>	Lowes Japanese Creeper	10
Pasqueflower	See <u>Anemone</u> .	--
<u>Passiflora alatocaerulea</u>	White Passionflower	35
<u>maculifolia</u>	- - -	25
<u>pferdti</u>	See <u>P. alatocaerulea</u> .	--
<u>racemosa</u>	- - -	15
Passionflower	See <u>Passiflora</u> .	--
<u>Pastinaca sativa</u>	Garden Parsnip, Guernsey	30
Pea, Garden	See <u>Pisum</u> .	--
Pearlwort	See <u>Sagina</u> .	--
Peavine	See <u>Lathyrus</u> .	--
<u>Pelargonium</u> sp.	Garden Geranium	239
	Daybreak	780
	Easter Greeting	600
	M. Sprague	500
	Mme. Buchner	2,550
	Mme. Landry	3
	Mrs. Lawrence	1,000
	Olympic	25,900
	Palmer Salmon	10
	Pink Fiat	2,510
	Portevine	8,303
	Radio Red	3,010
	Red Fiat	1,000
	Ricard	15,310
	Springtime	300
	Zolia	10
<u>Pellaea viridis</u>	Green Cliffbrake	50,000
<u>Pellionia daveauana</u>	- - -	110
<u>pulchra</u>	- - -	10

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
<u>Penstemon</u> sp.	Penstemon, Firebird	1,010
<u>barbatus torreyi</u>	See <u>P. torreyi</u> .	--
<u>digitalis</u>	Mintleaf Penstemon	500
<u>garretti</u>	Garretts Penstemon	425
<u>laevigatus</u>	See <u>P. digitalis</u> .	--
<u>torreyi</u>	Torrey Penstemon	1,000
<u>Peperomia</u> <u>clusiaefolia</u>	- - -	10
<u>crassifolia</u>	- - -	20
<u>obtusifolia</u>	Ovalleaf Peperomia	21
<u>variegata</u>	Variegated Ovalleaf Peperomia	115
<u>rotundifolia</u>	Coinleaf Peperomia	10
<u>sandersi</u>	Sanders Peperomia	41
Pepper	See <u>Piper</u> .	--
Peppermint	See <u>Mentha</u> .	--
Periwinkle	See <u>Vinca</u> .	--
<u>Petrea volubilis</u>	Purplewreath Petrea	10
<u>Petunia</u> sp.	Petunia	50
<u>Philodendron</u> <u>acuminatissimum</u>	Tapertip Philodendron	10
<u>andreanum</u>	- - -	25
<u>auritum</u>	- - -	10
<u>cordatum</u>	Heartleaf Philodendron	96
<u>corsinianum</u>	Redrim Philodendron	10
<u>dubium</u>	- - -	10
<u>erubescens</u>	- - -	5
<u>hastatum</u>	- - -	10
<u>mandaiianum</u>	Manda Philodendron	5
<u>imbe</u>	- - -	25
<u>lacerum</u>	- - -	10
<u>mamei</u>	- - -	5
<u>radiatum</u>	- - -	5
<u>scandens</u>	- - -	50
<u>selloum</u>	- - -	10
<u>sodiroid</u>	- - -	10
<u>verrucosum</u>	Warty Philodendron	10
<u>Phlox</u> sp.	Phlox	14,560
<u>decussata</u>	Decussata Phlox, Albert Leo Schlageter	700
	B. Comte	700
	Caroline Vandenberg	700
	Charles Curtis	700
	Count Zeppelin	700
	Daily Sketch	700
	Enchantress	710
	Eva Foerster	700
	Fiancee	700
	Flash	700
	H. B. May	700
	Margaret Gavin Jones	700
	Mary Louise	700
	Mia Ruys	700
	Royal Purple	700
	Snowball	700
	Spitfire	700

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
<u>Phlox divaricata</u>	Sweetwilliam Phlox	700
<u>canadensis</u>	Canada Sweetwilliam Phlox	210
<u>laphami</u>	Lapham Sweetwilliam Phlox	510
<u>frondosa</u>	Phlox Vivid	1,200
<u>glaberrima</u>	Smooth Phlox, Miss Lingard	3,210
	Miss Verboom	700
<u>nivalis</u>	Trailing Phlox, Camla	10
<u>sylvestris</u>	Dixie	340
<u>ovata</u>	Mountain Phlox	700
<u>pulchra</u>	Pastel Mountain Phlox	700
<u>paniculata</u>	Summer Phlox, Blue Boy	400
	Border Queen	750
	Count Zeppelin	300
	Daily Sketch	500
	E.I. Farrington	1,500
	Enchantress	3,000
	George Stipp	1,200
	Hauptmann Kohl	2,200
	Leo Schlageter	850
	Mary Louise	1,000
	P.D. Williams	900
	Rheinlander	3,000
<u>subulata</u>	Moss Phlox, Atropurpurea	1,410
	Blue Hills	700
	Fairy	700
<u>alba</u>	White Moss Phlox	735
<u>hentzi</u>	See <u>P. nivalis</u> .	--
<u>lilacina</u>	Lilac Moss Phlox	700
<u>rosea</u>	Rosemoss Phlox	700
<u>Phyllaurea</u>	See <u>Codiaeum</u> .	--
<u>Phyllitis scolopendrium</u>	Hartstongue Fern	10
<u>cristatum</u>	- - -	10
<u>Phyllotaenium</u>	See <u>Xanthosoma</u> .	--
<u>Physalis alkekengi</u>	Strawberry Groundcherry	300
<u>bunyardi</u>	See <u>P. alkekengi</u> .	--
<u>Physostegia virginiana</u>	Virginia Lionsheart, Rosy Spire	1,260
	(Obedientplant) Summer Glow	300
	Vivid	1,000
<u>alba</u>	White Virginia Lionsheart	1,200
<u>Picea abies</u>	Norway Spruce	3,500
<u>excelsa</u>	See <u>P. abies</u> .	--
<u>glaucia albertiana</u>	Alberta White Spruce	20
<u>conica</u>	Dwarf White Spruce	156
<u>pungens glauca</u>	Blue Colorado Spruce	77
<u>kosteriana</u>	Koster Colorado Spruce	163
<u>moerheimi</u>	Moerheim Colorado Spruce	50
Pick-a-Back Plant	See <u>Tolmiea</u> .	--
<u>Pieris japonica</u>	Japanese Pieris	4,005
<u>Pilea muscosa</u>	Clearweed	25
<u>spruceana</u>	- - -	5
Pine	See <u>Pinus</u> .	--
Pineapple	See <u>Ananas</u> .	--
Pink	See <u>Dianthus</u> .	--

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
Pink, Grass	See <u>Dianthus</u> .	--
Pinkbells	See <u>Heuchera lithophila</u> .	--
<u>Pinus mugo</u>	Swiss Mountain Pine	825
<u>mughus</u>	Mugho Swiss Mountain Pine	201
<u>Piper magnificum</u>	- - -	10
<u>nigrum</u>	Black Pepper	15
<u>ornatum</u>	Celebes Pepper	15
<u>Pisum sativum</u>	Garden Pea, Radio	40
Plantainlily	See <u>Hosta</u> .	--
<u>Platycerium alciorna</u>	See <u>P. bifurcatum</u> .	--
<u>angolense</u>	Angola Staghornfern	5
<u>bifurcatum</u>	Common Staghornfern	5
<u>majus</u>	- - -	5
<u>grande</u>	Giant Staghornfern	5
<u>hilli</u>	Green Staghornfern	5
<u>vassei</u>	- - -	5
<u>willincki</u>	Java Staghornfern	5
<u>Platycodon grandiflorum</u>	Balloonflower	410
	<u>Praecox Giganteum</u>	600
	<u>album</u>	1,300
	<u>azureum</u>	1,500
	<u>caeruleum</u>	200
	<u>mariesi</u>	550
<u>Plectranthus certendahlia</u>	- - -	20
<u>Plumbago coccinea</u>	See <u>Plumbago rosea coccinea</u> .	--
<u>larpentiae</u>	See <u>Ceratostigma plumbaginoides</u> .	--
<u>rosea coccinea</u>	Scarlet Plumbago	30
<u>Poa compressa</u>	Canada Bluegrass	--
<u>pratensis</u>	Kentucky Bluegrass	--
<u>trivialis</u>	Rough-stalked Bluegrass	--
Poinsettia	See <u>Euphorbia</u> .	--
<u>Polemonium sp.</u>	Polemonium, Blue Pearl	1,035
<u>humile</u>	See <u>P. pulcherrimum</u> .	--
<u>pulcherrimum</u>	Skunkleaf Polemonium	100
<u>reptans</u>	Creeping Polemonium	985
<u>Polygonatum multiflorum</u>	Eurasian Solonomseal	200
<u>Polypodium aureum mandianum</u>	Manda Golden Polypody	50
<u>subauriculatum knightiae</u>	Knight Jointed Polypody	5
<u>Polyscias balfouriana</u>	Balfour Polyscias	10
<u>Polystichum sp.</u>	Hollyfern	6
<u>acrostichoides</u>	Christmasfern	3,240
<u>tsussimense</u>	Tsussima Hollyfern	50,000
Poppy	See <u>Papaver</u> .	--
Potato	See <u>Solanum</u> .	--
<u>Potentilla sp.</u>	Potentilla, Gold Drop	75
<u>andicola</u>	Colombian Cinquefoil	50
<u>fruticosa purdomi</u>	Purdom Bush Cinquefoil	23
<u>tridentata</u>	Wineleaf Cinquefoil	500
<u>verna nana</u>	Dwarf Spring Cinquefoil	200
<u>Pothos argyraeus</u>	See <u>Scindapsus pictus</u> .	--
<u>aureus</u>	See <u>Scindapsus aureus</u> .	--
<u>wilcoxi</u>	See <u>Scindapsus aureus wilcoxi</u> .	--
Pricklypear	See <u>Opuntia</u> .	--
Primrose	See <u>Primula</u> .	--

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
<u>Primula acaulis</u>	See <u>P. vulgaris</u> .	--
<u>auricula</u>	Auricula Primrose	700
<u>cashmiriana</u>	See <u>P. denticulata cachemiriana</u> .	--
<u>denticulata cachemiriana</u>	Kashmir Primrose	260
<u>florindae</u>	Tibetan Primrose	200
<u>japonica</u>	Japanese Primrose	400
<u>juliae</u>	Julia Primrose, Helen Wanda	600
		300
<u>officinalis</u>	See <u>P. veris</u> .	--
<u>polyantha</u>	Polyantha Primrose	2,000
<u>sieboldi</u>	Siebold Primrose	100
<u>veris</u>	Cowslip Primrose	310
	Blue	725
	Giant Munstead	1,250
	Goldlace	50
	Lutea	175
	Red	485
	Yellow	150
<u>vulgaris</u>	English Primrose	300
<u>Prunus sp.</u>	- - -	10
<u>nipponica</u>	Takane Cherry	225
<u>Pseudotsuga douglasi</u>	See <u>P. taxifolia</u> .	--
<u>taxifolia</u>	Douglasfir	26
<u>Pteris adiantoides</u>	See <u>Pellaea viridis</u> .	--
<u>cretica rivertoniana</u>	Riverton Brake	50,000
<u>wilsoni</u>	Wilson Brake	75,000
<u>ensiformis victoriae</u>	Victoria Brake	50,000
<u>flabellata</u>	- - -	50,000
<u>quadriaurita argyraea</u>	Striped Brake	50,000
<u>tremula</u>	Australian Brake	75,025
<u>Pulmonaria angustifolia azurea</u>	Azure Cowslip Lungwort	1,525
<u>saccharata</u>	Bethlehem Lungwort	375
<u>Pulsatilla vulgaris</u>	See <u>Anemone pulsatilla</u> .	--
<u>Puya alpestris</u>	- - -	10
<u>Pyracantha coccinea lalandi</u>	Laland Firethorn	20
<u>Pyrethrum</u>	See <u>Chrysanthemum</u> .	--
<u>Radish</u>	See <u>Raphanus</u> .	--
<u>Raintree</u>	See <u>Brunfelsia</u> .	--
<u>Raphanus sativus</u>	Garden Radish, Red Giant	40
	Scarlet Globe	40
<u>Redcedar, Eastern</u>	See <u>Juniperus</u> .	--
<u>Redpepper</u>	See <u>Capsicum</u> .	--
<u>Retinospora</u>	See <u>Chamaecyparis</u> .	--
<u>Rhaphidophora decursiva</u>	- - -	10
<u>Rhektophyllum mirabile</u>	- - -	5
<u>Rhododendron sp.</u>	Rhododendron	82,356
	Dr. H.C. Dresselhuys	179
<u>catawbiense</u>	Catawba Rhododendron	1,265
<u>maximum</u>	Rosebay Rhododendron	134
<u>ponticum</u>	Ponticum Rhododendron	18,800
<u>roseum</u>	Pink Ponticum Rhododendron	104
<u>Rhoeo discolor</u>	Oyster Rhoeo	25
<u>Rhynchospermum</u>	See <u>Trachelospermum</u> .	--

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
Ribbonbush	See <u>Homalocladium</u> .	--
Rockcress	See <u>Arabis</u> .	--
<u>Rorippa nasturtium-aquaticum</u>	Watercress	75
<u>Rosa</u> sp.	Rose	36
	Tesendorf	750
	Polyantha, Betty Prier	53
	Dagmar Spaeth	78
	Ellen Poulsen	78
	Kirsten Poulsen	78
	Lafayette	103
	Pinocchio	50
	Tea Rose, Ami Quinard	53
	Better Times	12
	Betty Uprichard	103
	Caledonia	100
	Crimson Glory	3
	Duchess of Wellington	100
	Etoile de Holland	100
	General MacArthur	100
	Golden Dawn	100
	Imperial Potentate	100
	Kaiserin Auguste Viktoria	50
	Margaret McGredy	50
	Miss Rowena Thom	100
	Mme. Jules Bouche	75
	Pink Dawn	100
	Poinsettia	50
	President Herbert Hoover	75
	Radiance	203
	Red Radiance	103
	Talisman	103
	Triomphe de l' Exposition	750
	Large-flowered Climber, American Pillar	53
	Dr. Huey	53
	Dr. W. Van Fleet	53
	Ille de France	50
	Mary Wallace	53
	Paul's Scarlet	53
	Silver Moon	53
Rose	See <u>Rosa</u> .	--
Rosemallow	See <u>Hibiscus</u> .	--
Rosemary	See <u>Rosmarinus</u> .	--
<u>Rosmarinus officinalis</u>	Rosemary	350
<u>Rubus reflexus pictus</u>	- - -	30
<u>Rudbeckia laciniata florepleno</u>	Cutleaf Coneflower, Goldenglow	150
<u>purpurea</u>	See <u>Echinacea purpurea</u> .	--
Rye	See <u>Secale</u> .	--
Sage	See <u>Salvia</u> .	--
Sagebrush	See <u>Artemisia</u> .	--
<u>Sagina glabra</u>	Smooth Pearlwort	300
<u>Saintpaulia</u> sp.	Africanviolet, Fischer's Double Blue	1,000
	Pink Beauty	1,000
	White Lady	1,000
<u>kewensis</u>	Kew Africanviolet, Blue Boy	2,000

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
<u>Salisburia adiantifolia</u>	See <u>Ginkgo biloba</u> .	--
<u>Salvia</u> sp.	Sage	60
	Harbinger's Dwarf Sage	3
<u>nemorosa</u>	Violet Sage	1,150
<u>officinalis</u>	Garden Sage	50
<u>pitcheri</u>	Pitchers Sage	500
<u>pratensis</u>	Meadow Sage	50
<u>alba</u>	White Meadow Sage	50
<u>virgata</u>	See <u>S. nemorosa</u> .	--
Sandwort	See <u>Arenaria</u> .	--
<u>Sansevieria zeylanica</u>	Ceylon Sansevieria	3
<u>Santolina chamaecyparissus</u>	Cypress Lavendercotton	900
<u>incana</u>	See <u>S. chamaecyparissus</u> .	--
<u>virens</u>	Green Lavendercotton	150
<u>viridis</u>	See <u>S. virens</u> .	--
<u>Saxifraga sarmentosa</u>	Strawberry Saxifrage	6
<u>Scabiosa caucasica</u>	Caucasian Scabious, Isaac House	300
<u>fischeri</u>	Fischers Scabious	50
Scabious	See <u>Scabiosa</u> .	--
<u>Schismatoglottis marantifolium</u>	See <u>Aglaonema commutatum</u> .	--
<u>neo-guineensis</u>	New Guinea Droptongue	10
<u>roebelini</u>	- - -	10
<u>Scindapsus aureus</u>	Solomonislands Ivyarum	56
<u>wilcoxi</u>	Wilcox Solomonislands Ivyarum	50
<u>pictus</u>	Painted Ivyarum	10
<u>argyraeus</u>	Silver Painted Ivyarum	50
<u>Scirpus cernuus</u>	Weeping Bulrush	60
Screwpine	See <u>Pandanus</u> .	--
<u>Secale cereale</u>	Rye	--
<u>Sedum acre</u>	Goldmoss Stonecrop	100
<u>hybridum</u>	Evergreen Stonecrop	100
<u>kamtschaticum</u>	Orange Stonecrop	1,260
<u>reflexum</u>	Jenny Stonecrop	100
<u>selskianum</u>	- - -	50
<u>sieboldi</u>	Siebold Stonecrop	410
<u>spectabile</u>	Showy Stonecrop	200
<u>spurium</u>	Tworow Stonecrop	50
<u>stoloniferum coccineum</u>	Scarlet Running Stonecrop	100
<u>Selaginella caulescens</u>	Erect Selaginella	50
<u>denticulata</u>	Mediterranean Selaginella	100
<u>emmeliana</u>	Emmel Selaginella	20
<u>uncinata</u>	Blue Selaginella	10
<u>willdenovi</u>	- - -	10
<u>Sempervivum arachnoideum</u>	Spiderweb Houseleek	1,000
<u>arenarium</u>	Sand Houseleek	50
<u>globiferum</u>	See <u>S. ruthenicum</u> .	--
<u>ruthenicum</u>	- - -	100
<u>tectorum</u>	Hen-and-Chickens	2,000
<u>Senecio cruentus</u>	Common Cineraria	300
<u>pulcher</u>	Uruguay Groundsel	150
Senna	See <u>Cassia</u> .	--
Sensitiveplant	See <u>Mimosa</u> .	--
<u>Serissa foetida variegata</u>	Yellowrim Serissa	5

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
Shastadaisy	See <u>Chrysanthemum maximum.</u>	--
<u>Silene schafta</u>	Schafta Silene	300
Snapdragon	See <u>Antirrhinum.</u>	--
Snapweed	See <u>Impatiens.</u>	--
Sneezeweed	See <u>Helenium.</u>	--
Snow-in-Summer	See <u>Cerastium.</u>	--
<u>Solanum melongena</u>	Garden Eggplant, Black Beauty	40
<u>tuberosum</u>	Potato, Cobbler	10
Solomonseal	See <u>Polygonatum.</u>	--
<u>Sonerila margaritacea</u>	- - -	5
<u>Sparmannia africana</u>	African Sparmannia	20
<u>Spathyphyllum sp.</u>	Spathyphyllum, Cleveland	50
<u>floribundum</u>	- - -	25
Speedwell	See <u>Veronica.</u>	--
Spiderwort	See <u>Tradescantia.</u>	--
<u>Spiraea sp.</u>	Spirea	36
<u>astilboides</u>	See <u>Astilbe astilboides.</u>	--
<u>filipendula</u>	See <u>Filipendula hexapetala.</u>	--
<u>palmata</u>	See <u>Filipendula purpurea.</u>	--
<u>venusta</u>	See <u>Filipendula rubra venusta.</u>	--
Spleenwort	See <u>Asplenium.</u>	--
Spruce	See <u>Picea.</u>	--
Squash	See <u>Cucurbita.</u>	--
Staghornfern	See <u>Platycerium.</u>	--
Starjasmine	See <u>Trachelospermum.</u>	--
<u>Statice latifolia</u>	See <u>Armeria pseudoarmeria.</u>	--
<u>Stenanthium robustum</u>	Featherfleece Stenanthium	100
<u>Stenotaphrum secundatum</u>	St. Augustinegrass	35
<u>Stephanotis floribunda</u>	Madagascar Stephanotis	100
St. Augustinegrass	See <u>Stenotaphrum.</u>	--
St. Johnswort	See <u>Hypericum.</u>	--
<u>Stokesia cyanea</u>	See <u>S. laevis.</u>	--
<u>laevis</u>	Stokesia	2,108
Stonecrop	See <u>Sedum.</u>	--
<u>Strelitzia reginae</u>	Queen Bird-of-Paradise Flower	10
Sundrops	See <u>Oenothera.</u>	--
Sunflower	See <u>Helianthus.</u>	--
Sunrose	See <u>Helianthemum.</u>	--
Sweetflag	See <u>Acorus.</u>	--
Sweetwilliam	See <u>Dianthus barbatus.</u>	--
<u>Syringa sp.</u>	Lilac	100
<u>Tacsonia</u>	See <u>Passiflora.</u>	--
Taro	See <u>Colocasia.</u>	--
Tarragon	See <u>Artemisia dracunculus.</u>	--
<u>Taxus sp.</u>	Yew	856
<u>baccata adpressa</u>	Shortleaf English Yew	120
<u>fastigiata</u>	Irish Yew	4,224
<u>hibernica</u>	See <u>T. baccata fastigiata.</u>	--
<u>repandens</u>	Spreading English Yew	2,113
<u>stricta</u>	See <u>T. baccata fastigiata.</u>	--
<u>tardiva</u>	See <u>T. baccata adpressa.</u>	--

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
<u>Taxus</u> (continued)	- - -	
<u>brevifolia</u>	Pacific Yew	9,271
<u>canadensis</u>	Canada Yew	12
<u>cuspidata</u>	Japanese Yew	57,897
<u>capitata</u>	Upright Japanese Yew	68,677
<u>columnaris</u>	Columnar Japanese Yew	58
<u>densa</u>	Cushion Japanese Yew	32,945
<u>expansa</u>	Spreading Japanese Yew	3,204
<u>nana</u>	Dwarf Japanese Yew	31,972
<u>nigra</u>	- - -	5,935
<u>thayerae</u>	Thayer Japanese Yew	7,212
<u>vaurieki</u>	Vauriek Japanese Yew	2,356
<u>hunnewelliana</u>	Hunnewell Yew	4,321
<u>media</u>	Anglojap Yew	1,694
<u>browni</u>	Browns Anglojap Yew	2,492
<u>hatfieldi</u>	Hatfield Anglojap Yew	76,146
<u>hicksi</u>	Hicks Anglojap Yew	6,833
<u>Tetrastigma</u> <u>voinieranum</u>	- - -	10
<u>Toucrium</u> <u>chamaedrys</u>	Chamaedrys Germander	1,350
<u>Thalictrum</u> <u>aquilegifolium</u> <u>album</u>	White Columbine Meadowrue	200
<u>atropurpureum</u>	Purple Columbine Meadowrue	200
<u>dipterocarpum</u>	Yunnan Meadowrue	550
<u>album</u>	White Yunnan Meadowrue	250
<u>glaucum</u>	Dusty Meadowrue	350
<u>Thermopsis</u> <u>caroliniana</u>	Carolina Thermopsis	160
<u>Thrift</u>	See <u>Armeria</u> .	---
<u>Thuja</u> <u>caucasica</u>	See <u>T. occidentalis sibirica</u> .	---
<u>occidentalis</u>	Eastern Arborvitae	6,019
<u>compacta</u>	Parsons Eastern Arborvitae	695
<u>conica</u>	Cone Eastern Arborvitae	1,159
<u>densa</u>	See <u>T. occidentalis sibirica</u> .	---
<u>douglasi aurea</u>	Douglas Golden Eastern Arborvitae	166
<u>elegantissima</u>	George Peabody Eastern Arborvitae	342
<u>filiformis</u>	Threadleaf Eastern Arborvitae	2
<u>globosa</u>	Tom Thumb Eastern Arborvitae	25,268
<u>hoveyi</u>	Hovey Eastern Arborvitae	152
<u>lutescens</u>	Ware Gold Eastern Arborvitae	360
<u>magnifica</u>	Theodon Eastern Arborvitae	67
<u>nigra</u>	Wintergreen Pyramidal Eastern Arborvitae	5,042
<u>pearsoni</u>	Pearson Eastern Arborvitae	245
<u>pyramidalis</u>	Pyramidal Eastern Arborvitae	18,074
<u>reidi</u>	Reid Eastern Arborvitae	106
<u>robusta</u>	See <u>T. occidentalis sibirica</u> .	---
<u>rosenthali</u>	Rosenthal Eastern Arborvitae	1,157
<u>sibirica</u>	Ware Eastern Arborvitae	2,240
<u>umbraculifera</u>	Umbrella Eastern Arborvitae	151
<u>vervaeneana</u>	Vervaeene Eastern Arborvitae	230
<u>wareana</u>	See <u>T. occidentalis sibirica</u> .	---
<u>woodwardi</u>	Woodward Eastern Arborvitae	2,119

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
<u>Thuja orientalis</u>	Oriental Arborvitae	185
<u>aurea nana</u>	Berckmanns Oriental Arborvitae	2,476
<u>bakeri</u>	Baker Oriental Arborvitae	4,424
<u>elegantissima</u>	Yellow Column Oriental Arborvitae	1,750
<u>newarki</u>	Newark Eastern Arborvitae	6,280
<u>pyramidalis</u>	Pyramidal Oriental Arborvitae	170
<u>plicata elegantissima</u>	Yellow Giant Arborvitae	257
Thyme	See <u>Thymus</u> .	--
<u>Thymus serpyllum</u> <u>albus</u>	White Mother-of-Thyme	105
<u>coceineus</u>	Crimson Mother-of-Thyme	240
<u>lanuginosus</u>	Woolly Mother-of-Thyme	60
<u>splendens</u>	Firefly Mother-of-Thyme	160
<u>vulgaris</u>	Common Thyme	100
<u>Tiarella cordifolia</u>	Alleghany Foamflower	350
<u>Tibouchina semidecandra</u>	Brazilian Glorybush	15
<u>Tillandsia lindeniana</u>	Lindens Tillandsia	20
<u>Tolmiea menziesii</u>	Menzies Tolmiea, or Pick-a-Back Plant	6
Torchlily	See <u>Kniphofia</u> .	--
<u>Trachelospermum jasminoides</u>	Chinese Starjasmine	25
<u>Tradescantia</u> sp.	Spiderwort, James Weguelin	50
	Pauline	60
	Purple Dome	50
<u>fluminensis</u>	Wanderingjew	46
<u>fuscata</u>	-- --	20
<u>reginae</u>	Queens Spiderwort	10
<u>setcreasea</u>	-- --	20
<u>somaliense</u>	-- --	10
<u>warscewicziana</u>	-- --	5
Treebine	See <u>Cissus</u> .	--
Treefern	See <u>Alsophila</u> .	--
<u>Trichostigma peruvianum</u>	-- --	10
<u>Trichosporum pulchrum</u>	See <u>Aeschynanthus pulcher</u> .	--
<u>Trifolium repens</u>	White Clover	--
<u>Trillium erectum</u>	Purple Trillium	100
<u>grandiflorum</u>	Snow Trillium	100
<u>luteum</u>	See <u>T. sessile luteum</u> .	--
<u>sessile luteum</u>	Yellow Toad Trillium	100
<u>undulatum</u>	Painted Trillium	100
<u>Triticum</u> sp.	Wheat	--
<u>Tritoma</u>	See <u>Kniphofia</u> .	--
<u>Trollius europaeus</u>	Common Globeflower	500
<u>ledebouri</u>	Ledebour Globeflower	1,000
<u>Tropaeolum</u> sp.	Nasturtium, Apricot	20
<u>Tsuga canadensis</u>	Canada Hemlock	18,134
Tuftroot	See <u>Dieffenbachia</u> .	--
Turfingdaisy	See <u>Matricaria</u> .	--
Turnip	See <u>Brassica</u> .	--
Turtlehead	See <u>Chelone</u> .	--

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
<u>Vaccinium</u> sp.	Blueberry, Atlantic	34,458
	Burlington	65,573
	Cabot	78,656
	Concord	130,992
	Dixie	34,630
	G.N. 87	24,100
	Jersey	434,676
	June	98,903
	Pemberton	68,147
	Pioneer	30,454
	Rancocas	267,381
	Rubel	161,854
	Scammell	19,329
	Stanley	129,593
	Wareham	950
	Weymouth	111,933
Valerian	See <u>Valeriana</u> .	--
<u>Valeriana</u> <u>coccinea</u>	See <u>Centranthus</u> <u>ruber</u> .	--
<u>officinalis</u>	Common Valerian	260
Vegetables, Beet	See <u>Beta</u> .	--
Cabbage	See <u>Brassica</u> .	--
Carrot	See <u>Daucus</u> .	--
Corn	See <u>Zea</u> .	--
Cucumber	See <u>Cucumis</u> .	--
Eggplant	See <u>Solanum</u> .	--
Kale	See <u>Brassica</u> .	--
Lettuce	See <u>Latuca</u> .	--
Muskmelon	See <u>Cucumis</u> .	--
Pakchoi	See <u>Brassica</u> .	--
Parsnip	See <u>Pastinaca</u> .	--
Pea	See <u>Pisum</u> .	--
Potato	See <u>Solanum</u> .	--
Radish	See <u>Raphanus</u> .	--
Squash	See <u>Cucurbita</u> .	--
Turnip	See <u>Brassica</u> .	--
<u>Veronica</u> sp.	Speedwell, Blue Spires	1,920
<u>amethystina</u>	See <u>V. spuria</u> .	--
<u>incana</u>	Woolly Speedwell	530
<u>rosea</u>	Pink Woolly Speedwell	300
<u>latifolia</u>	Hungarian Speedwell	360
<u>subsessilis</u>	See <u>V. maritima</u> <u>subsessilis</u> .	--
<u>lyalli</u>	See <u>Hebe</u> <u>lyalli</u> .	--
<u>maritima</u> <u>subsessilis</u>	Clump Speedwell	200
<u>rupestris</u>	See <u>V. latifolia</u> .	--
<u>spicata</u> <u>erica</u>	Heath Spike Speedwell	300
<u>spuria</u>	Bastard Speedwell	310
<u>Viburnum</u> <u>burkwoodi</u>	Burkwood Viburnum	492
<u>carlesi</u>	Koreanspice Viburnum	11
<u>dilatatum</u>	Linden Viburnum	10
<u>opulus</u>	European Viburnum	75
<u>setigerum</u>	Tea Viburnum	20
<u>theiferum</u>	See <u>V. setigerum</u> .	--
<u>tomentosum</u>	Doublefile Viburnum	65

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
<u>Viburnum tomentosum plenum</u>	See <u>V. tomentosum sterile.</u>	--
<u>plicatum</u>	See <u>V. tomentosum sterile.</u>	--
<u>sterile</u>	Japanese Snowball Viburnum	130
<u>Vinca minor</u>	Common Periwinkle	10,000
	Bowles	6,000
<u>alba</u>	White Common Periwinkle	300
<u>aureo-variegata</u>	Yellowblotch Common Periwinkle	200
<u>Viola sp.</u>	- - -	96,000
<u>calcarata</u>	Swiss Violet, Roggle Yellow	3,000
<u>canadensis</u>	Canada Violet, Maple Leaf	1,600
<u>cornuta</u>	Horned Violet	15,000
	Admiration	10,000
	Arkwright Ruby	15,000
	Blue Perfection	27,500
	Catherine Sharp	50
	Chantreyland	10,000
	King Henry	7,500
	Maggie Mott	60
	Purple Glory	50
	Purple Heart	10
	Velvet Beauty	200
	White Perfection	15,000
<u>kitaibeliana rafinesquii</u>	Johnnyjumpup	27,000
<u>odorata</u>	Sweet Violet	75
	California	200
	Double Russian	700
	Frey's Fragrant	200
	Gov. Herrick	200
	La France	200
	Pilkington	200
	Prince of Wales	200
	Rosina	200
	Royal Robe	200
	Russian	200
	Snow Queen	200
	The Czar	200
<u>pedata</u>	Birdsfoot Violet	400
<u>tricolor hortensis</u>	Garden Pansy	3,676,020
	Alpen Glow	3,000
	Blue Boy	5,000
	Giant Bronze	3,000
<u>Violet</u>	See <u>Viola.</u>	--
<u>Vitis sp.</u>	Grape, Delaware	20
	Fredonia	20
<u>discolor</u>	See <u>Cissus discolor.</u>	--
<u>rhombifolia</u>	See <u>Cissus rhombifolia.</u>	--
<u>striata</u>	See <u>Cissus striata.</u>	--
<u>voinieriana</u>	See <u>Tetrastigma vainierianum.</u>	--

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
<u>Vriesia bromeloides</u>	- - -	5
<u>cardinalis</u>	Cardinal Vriesia	5
<u>erecta</u>	Poelrex Vriesia	15
<u>favorita</u>	- - -	15
<u>guttata</u>	- - -	5
<u>hieroglyphica</u>	Hieroglyphic Vriesia	5
<u>incurvata</u>	- - -	5
<u>magnifica</u>	- - -	15
<u>poelmani</u>	Poelman Vriesia	5
<u>splendens</u>	- - -	5
Wanderingjew	See <u>Tradescantia</u> .	--
Watercress	See <u>Rorippa</u> .	--
Waxplant	See <u>Hoya</u> .	--
<u>Weigela</u> sp.	Weigela, Bristol Fairy	141
Wheat	See <u>Triticum</u> .	--
Wildindigo	See <u>Baptisia</u> .	--
Wirevine	See <u>Muelenbeckia</u> .	--
Witchgrass	See <u>Panicum</u> .	--
Woodruff	See <u>Asperula</u> .	--
Wormwood	See <u>Artemisia</u> .	--
<u>Xanthosoma lindenii</u>	Linden Malanga	30
Yarrow	See <u>Achillea</u> .	--
Yellowrim	See <u>Serissa</u> .	--
Yew	See <u>Taxus</u> .	--
<u>Yucca filamentosa</u>	Adamsneedle Yucca	200
<u>variegata</u>	Stripeleaf Adamsneedle Yucca	50
<u>Zea mays</u>	Corn, Golden Bantam	40
<u>Zebrina pendula</u>	Wanderingjew Zebrina	25
<u>Zinnia</u> sp.	Zinnia, Rose Queen	40

A few vegetables were definitely retarded when the seed was sown in soil treated with the authorized amount of technical DDT; young strawberry plants were retarded in development. The few plants which were definitely retarded appear in the following tabulation:

<u>Plant</u>	<u>Common name</u>	<u>Number tested</u>
<u>Allium flavum</u>	Yellow onion, Danver's Yellow Globe	10
<u>Fragaria</u> sp.	Strawberry, Aberdeen	55
<u>Lycopersicon esculentum</u>	Common Tomato, Marglobe	30
	Stokesdale	312
<u>Phaseolus lunatus</u>	Lima Bean, King of the Garden	25
<u>vulgaris humilis</u>	Bush Bean, Bountiful	40
	Stringless Wax	10
<u>Spinacia oleracea</u>	Spinach, Nobel	10

UNIVERSITY OF FLORIDA

3 1262 09239 2272