HAWAII HORTICULTURE SURVEY - July 2022 (for 2021 Production)

OMB No. 0535-0093

Approval Expires: 11/30/2021 Project Code: 453

SurveyID: 5079

**United States Department of Agriculture**

**NATIONAL AGRICULTURAL STATISTICS SERVICE**

**Hawaii Draft Version**

**USDA/NASS**

National Operations Division 9700 Page Avenue, Suite 400 St. Louis, MO 63132-1547 Phone: 1-888-424-7828

Fax: 1-855-415-3687

Email: [nass@nass.usda.gov](mailto:nass@nass.usda.gov)

Please make corrections to name, address, and ZIP Code, if necessary.

The information you provide will be used for statistical purposes only. Your response will be kept confidential and any person who willfully discloses ANY identifiable information about you or your operation is subject to a jail term, a fine, or both. This survey is conducted in accordance with the Confidential Information Protection and Statistical Efficiency Act of 2018, Title III of Pub. L. No. 115-435, codified in 44 U.S.C. Ch. 35 and other applicable Federal laws. For more information on how we protect your information please visit: https://[www.nass.usda.gov/confidentiality.](http://www.nass.usda.gov/confidentiality) Response is voluntary.

According to the Paperwork Reduction Act of 1995, an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 0535-0093. The time required to complete this information collection is estimated to average 60 minutes per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

# INTRODUCTION

1. During 2021, which of the following Horticulture crops did this operation PRODUCE and SELL?

|  |  |  |  |
| --- | --- | --- | --- |
| 0201 | * Cut flowers | 0217 | * Propagative floriculture material and unfinished plants |
| 0202 | * Potted flowering plants | 0210 | * Landscape plant material |
| 0203 | * Potted herbaceous perennials | 0211 | * Sod |
| 0204 | * Annual bedding/garden plants | 0207 | * Food Crops grown under cover |
| 0205 | * Foliage plants | 0209 | * All other nursery products |
| 0206 | * Cut cultivated greens | 0215 | * Plant rental services |
|  |  | 0220 | * None of the above (Please complete Sections 12 and |

13 starting on page 19 and return by mail.)

1. Did this operation produce and sell $1,000 or more of these Horticulture crops in 2021? INCLUDE retail and wholesale sales of crops produced or finished by this operation.

0004 1 ☐ Yes - Go to Item 3 3 ☐ No - Continue

* 1. Will this operation produce and sell $1,000 or more of these Horticulture crops in 2022?

0002 1 ☐ Yes - Complete Sections 8, 9, 10, 11, and 13 starting on page 16.

3 ☐ No - Complete Sections 8, 9, 10, 11, and 13 starting on page 16.

1. Did this operation produce and sell $10,000 or more of these Horticulture crops in 2021?

0003 1 ☐ Yes - Please review the instructions below and complete all Sections of the questionnaire.

3 ☐ No - Complete Sections 8, 9, 10, 11, and 13 starting on page 16.

**INSTRUCTIONS**

*What to report...*

* **All** production grown under glass, fiberglass and other rigid plastic, film plastic, shade cloth, natural shade, other shade, or outdoors.
* The value of sales before deductions for commissions and transportation are made.

**SECTION 1 - CUT FLOWERS**

1. Did this operation produce and sell any cut flowers during 2021?

0401 1 ☐ Yes - Continue 3 ☐ No - Go to Section 2 INCLUDE those for dried flowers.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Cut Flowers** | **Retail Sales in 2021** | | **Wholesale Sales in 2021** | |
| **Number Grown and Sold** | **Total Value** | **Number Grown and Sold** | **Total Value** |
| **Anthurium** | 2005  Stems | 2006  $ | 2007  Stems | 2008  $ |
| **Aster** | 2010  Stems | 2011  $ | 2012  Stems | 2013  $ |
| **Bird of Paradise/Strelitzia** | 2015  Stems | 2016  $ | 2017  Stems | 2018  $ |
| **Pompon Chrysanthemums** | 0036  Bunches | 0715  $ | 0037  Bunches | 0038  $ |
| **Dahlia** | 2060  Bunches | 2061  $ | 2062  Bunches | 2063  $ |
| **Delphinium and Larkspur** | 0456  Stems | 0457  $ | 0458  Stems | 0459  $ |
| **Gerbera Daisies** | 0460  Stems | 0461  $ | 0462  Stems | 0463  $ |
| **Ginger, pink** | 2215  Stems | 2216  $ | 2217  Stems | 2218  $ |
| **Ginger, red** | 2220  Stems | 2221  $ | 2222  Stems | 2223  $ |
| **Ginger, other** | 2225  Stems | 2226  $ | 2227  Stems | 2228  $ |
| **Gladioli** | 0046  Spikes | 0716  $ | 0047  Spikes | 0048  $ |
| **Heliconia** | 2230  Spikes | 2231  $ | 2232  Spikes | 2233  $ |
| **Iris** | 0464  Stems | 0465  $ | 0466  Stems | 0467  $ |
| **Lei flower, Dendrobium Orchid** | 2505  Blossoms | 2506  $ | 2507  Blossoms | 2508  $ |
| **Lei flower, Pikake** | 2515  Strands | 2516  $ | 2517  Strands | 2518  $ |
| **Lei flower, Plumeria** | 2520  Blossoms | 2521  $ | 2522  Blossoms | 2523  $ |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SECTION 1 - CUT FLOWERS** (continued) | | | | |
| **Cut Flowers** | **Retail Sales in 2021** | | **Wholesale Sales in 2021** | |
| **Number Grown and Sold** | **Total Value** | **Number Grown and Sold** | **Total Value** |
| **Lei flower**  (Others not reported above) | 2595  Blossoms | 2596  $ | 2597  Blossoms | 2598  $ |
| **Lilies, All**  (Asiatic, Oriental, Others) | 0468  Stems | 0469  $ | 0470  Stems | 0471  $ |
| **Lisianthus** | 0472  Stems | 0473  $ | 0474  Stems | 0475  $ |
| **Orchid, Dendrobium** (cut only) | 2145  Stems | 2146  $ | 2147  Stems | 2148  $ |
| **Orchid, Oncidiinae** (cut only) | 2235  Stems | 2236  $ | 2237  Stems | 2238 |
| **Orchids, other** (cut only) | 2155  Stems | 2156  $ | 2157  Stems | 2158  $ |
| **Peony** | 2255  Stems | 2256  $ | 2257  Stems | 2258  $ |
| **Protea** | 2160  Stems | 2161  $ | 2162  Stems | 2163  $ |
| **Roses, All** (cut only)(Hybrid Tea, Sweetheart, Spray-types) | 0480  Stems | 0481  $ | 0482  Stems | 0483  $ |
| **Snapdragons** | 0484  Spikes | 0485  $ | 0486  Spikes | 0487  $ |
| **Sunflower** | 2200  Stems | 2201  $ | 2202  Stems | 2203  $ |
| **Tulips** (cut only) | 0488  Stems | 0489  $ | 0490  Stems | 0491  $ |
| **Waxflowers** | xxxx  Bunches | xxxx  $ | xxxx  Bunches | xxxx  $ |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Cut Flowers** | **Percent of Total Quantity Grown and Sold**  **(Cells 2485 + 2487= 100%)** | | **Sales in 2021** | |
| **Retail** | **Wholesale** | **Total Value of Retail Sales** | **Total Value of Wholesale Sales** |
| **All Other Cut Flowers\*** | 2485  % | 2487  % | 2486  $ | 2488  $ |

\*A partial list of All Other Cut Flowers includes: Carnation (miniature), Chrysanthemum (other), Daffodil/Narcissus, Dried Flowers, Freesia, Gypsophila, Heather, Leptospermum, Liatris, Limonium, Statice, Stephanotis, Stock, and Zinnia.

**SECTION 2 - POTTED FLOWERING PLANTS FOR INDOOR OR PATIO USE**

1. Did this operation finish and sell any potted flowering plants or potted flowering bulbs for indoor or patio use during 2021?

0402 1 ☐ Yes - Continue 3 ☐ No - Go to Section 3 EXCLUDE

* + plants intended for landscape use to be reported in Section 8
  + finished plants purchased from others and resold
  + sales as bulbs
  + hardy/garden mums to be reported in Section 3
  + bedding plants, geraniums, potted blooming annuals, or flowering hanging baskets to be reported in Section 4
  + caladium to be reported in Section 4

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Potted Flowering Plants** | **Type of Container** | **Retail Sales in 2021** | | **Wholesale Sales in 2021** | |
| **Number Sold** | **Total Value** | **Number Sold** | **Total Value** |
| **Anthurium** | Pots less than 5" | 3020 | 3021  $ | 3022 | 3023  $ |
| Pots 5" or more | 3025 | 3026  $ | 3027 | 3028  $ |
| **Begonia** | Pots less than 5" | 3040 | 3041  $ | 3042 | 3043  $ |
| Pots 5" or more | 3045 | 3046  $ | 3047 | 3048  $ |
| **Chrysanthemums, Florist** EXCLUDE hardy/garden mums to be reported in Section 3. | Pots less than 5" | 0063 | 0722  $ | 0065 | 0067  $ |
| Pots 5" or more | 0064 | 0723  $ | 0066 | 0236  $ |
| **Hibiscus, potted** | Pots less than 5" | 3120 | 3121  $ | 3122 | 3123  $ |
| Pots 5" or more | 3125 | 3126  $ | 3127 | 3128  $ |
| **Hydrangea** | Pots less than 5" | 3130 | 3131  $ | 3132 | 3133  $ |
| Pots 5" or more | 3135 | 3136  $ | 3137 | 3138  $ |
| **Lilies, Easter** | Pots less than 5" | 0077 | 0730  $ | 0079 | 0081  $ |
| Pots 5" or more | 0078 | 0731  $ | 0080 | 0238  $ |
| **Lilies, other** | Pots less than 5" | 3160 | 3161  $ | 3162 | 3163  $ |
| Pots 5" or more | 3165 | 3166  $ | 3167 | 3168  $ |
| **Orchids, Dendrobium**  potted | Pots less than 5" | 3170 | 3171  $ | 3172 | 3173  $ |
| Pots 5" or more | 3175 | 3176  $ | 3177 | 3178  $ |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SECTION 2 - POTTED FLOWERING PLANTS FOR INDOOR OR PATIO USE** (continued) | | | | | |
| **Potted Flowering Plants** | **Type of Container** | **Retail Sales in 2021** | | **Wholesale Sales in 2021** | |
| **Number Sold** | **Total Value** | **Number Sold** | **Total Value** |
| **Orchids, Oncidiinae**  potted | Pots less than 5" | 3260 | 3261  $ | 3262 | 3263  $ |
| Pots 5" or more | 3265 | 3266  $ | 3267 | 3268  $ |
| **Orchids, Phalaenopsis**  potted | Pots less than 5" | 3180 | 3181  $ | 3182 | 3183  $ |
| Pots 5" or more | 3185 | 3186  $ | 3187 | 3188  $ |
| **Orchids, other**  potted | Pots less than 5" | 3190 | 3191  $ | 3192 | 3193  $ |
| Pots 5" or more | 3195 | 3196  $ | 3197 | 3198  $ |
| **Poinsettias** | Pots less than 5" | 0091 | 0734  $ | 0093 | 0095  $ |
| Pots 5" or more | 0092 | 0735  $ | 0094 | 0240  $ |
| **Roses, Florist** (potted) | Pots less than 5" | 0561 | 0562  $ | 0563 | 0564  $ |
| Pots 5" or more | 0565 | 0566  $ | 0567 | 0568  $ |
| **Other Spring Flowering Bulbs** (Plants grown from bulbs including Tulips, Hyacinths, Daffodils/Narcissus, Other Lilies, etc.) | Pots less than 5" | 0569 | 0570  $ | 0571 | 0572  $ |
| Pots 5" or more | 0573 | 0574  $ | 0575 | 0576  $ |
| **All Other Potted Flowering Plants\***  EXCLUDE potted blooming annuals to be reported in Section 4. | Pots less than 5" | 3490 | 3491  $ | 3492 | 3493  $ |
| Pots 5" or more | 3495 | 3496  $ | 3497 | 3498  $ |

\*A partial list of All Other Potted Flowering Plants includes: African Violets, Azaleas, Alstroemeria, Bromeliad, Cape Primrose, Cineraria, Combination Planters, Gerber Daisies, and Sunflowers.

**SECTION 3 - POTTED HERBACEOUS PERENNIALS**

1. Did this operation finish and sell any potted hardy/garden Chrysanthemums, Hostas, or Other Potted Herbaceous

perennials during 2021?

0403 1 ☐ Yes - Continue 3 ☐ No - Go to Section 4 INCLUDE field and container grown plants.

EXCLUDE cuttings, liners, plug seedlings, bare root **herbaceous** perennials, prefinished plants or tissue cultured plantlets to be reported in Section 7.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Potted Herbaceous Perennials** | **Type of Container** | **Retail Sales in 2021** | | **Wholesale Sales in 2021** | |
| **Number Sold** | **Total Value** | **Number Sold** | **Total Value** |
| **Chrysanthemums**  (Hardy/Garden) | Pots less than 5" | 0800 | 0801  $ | 0802 | 0803  $ |
| Pots 5" or more | 0804 | 0805  $ | 0806 | 0807  $ |
| **Daylily** | Less than 1 gal. | 4140 | 4141  $ | 4142 | 4143  $ |
| 1 gal. up to 2 gal. | 4145 | 4146  $ | 4147 | 4148  $ |
| 2 gal. or larger | 4150 | 4151  $ | 4152 | 4153  $ |
| **Dianthus** | Less than 1 gal. | 4180 | 4181  $ | 4182 | 4183  $ |
| 1 gal. up to 2 gal. | 4185 | 4186  $ | 4187 | 4188  $ |
| 2 gal. or larger | 4190 | 4191  $ | 4192 | 4193  $ |
| **Ferns**  (Hardy/Garden) | Less than 1 gal. | 4200 | 4201  $ | 4202 | 4203  $ |
| 1 gal. up to 2 gal. | 4205 | 4206  $ | 4207 | 4208  $ |
| 2 gal. or larger | 4210 | 4211  $ | 4212 | 4213  $ |
| **Hostas** | Less than 1 gal. | 0808 | 0809  $ | 0810 | 0811  $ |
| 1 gal. up to 2 gal. | 0812 | 0813  $ | 0814 | 0815  $ |
| 2 gal. or larger | 0816 | 0817  $ | 0818 | 0819  $ |
| **Lavender** | Less than 1 gal. | 4580 | 4581  $ | 4582 | 4583  $ |
| 1 gal. up to 2 gal. | 4585 | 4586  $ | 4587 | 4588  $ |
| 2 gal. or larger | 4590 | 4591  $ | 4592 | 4593  $ |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SECTION 3 - POTTED HERBACEOUS PERENNIALS** (continued) | | | | | |
| **Potted Herbaceous Perennials** | **Type of Container** | **Retail Sales in 2021** | | **Wholesale Sales in 2021** | |
| **Number Sold** | **Total Value** | **Number Sold** | **Total Value** |
| **Peony** | Less than 1 gal. | 4260 | 4261  $ | 4262 | 4263  $ |
| 1 gal. up to 2 gal. | 4265 | 4266  $ | 4267 | 4268  $ |
| 2 gal. or larger | 4270 | 4271  $ | 4272 | 4273  $ |
| **Salvia (perennial)** | Less than 1 gal. | 4340 | 4341  $ | 4342 | 4343  $ |
| 1 gal. up to 2 gal. | 4345 | 4346  $ | 4347 | 4348  $ |
| 2 gal. or larger | 4350 | 4351  $ | 4352 | 4353  $ |
| **Sedum** | Less than 1 gal. | 4360 | 4361  $ | 4362 | 4363  $ |
| 1 gal. up to 2 gal. | 4365 | 4366  $ | 4367 | 4368  $ |
| 2 gal. or larger | 4370 | 4371  $ | 4372 | 4373  $ |
| **All Other Potted Herbaceous Perennials\*** | Less than 1 gal. | 0832 | 0833  $ | 0834 | 0835  $ |
| 1 gal. up to 2 gal. | 0836 | 0837  $ | 0838 | 0839  $ |
| 2 gal. or larger | 0840 | 0841  $ | 0842 | 0843  $ |

\*A partial list of All Other Potted Herbaceous Perennials includes: Astilbe, Bleeding heart, Columbine, Coral bell, Coreopsis, Iris, Phlox, Purple coneflower, Rudbeckia, and Veronica.

## Skip to next page OR

**Space for Notes and Comments**

**SECTION 4 - ANNUAL BEDDING/GARDEN PLANTS**

1. Did this operation finish and sell any annual bedding/garden plants during 2021?

0404 1 ☐ Yes - Continue 3 ☐ No - Go to Section 5

INCLUDE annual bedding/garden plants finished and sold by this operation not used in commercial vegetable and strawberry production.

EXCLUDE

* + finished bedding/garden plants purchased from others and resold
  + transplants used in commercial vegetable and strawberry production
  + foliage plants to be reported in Section 5
  + plugs and propagative material to be reported in Section 7
  + prefinished plants sold to others for finishing to be reported in Section 7

0881

.

0880

.

1. Report flat size used if NOT 10" x 20" to 11" x 22"

inches X

inches

REPORT AS:

* + FLATS when using a common insert (for example: 606, 1204, 1206, 1801, 1803, etc.)
  + POTS if produced as separate units, including pots produced in shuttle trays, carrier flats, or flats of individual pots.
  + POTS if produced as containers of annuals and mixed annuals such as color bowls, strawberry jars, or combination planters.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Annual Bedding/Garden Plants** | **Type of Container** | **Retail Sales in 2021** | | **Wholesale Sales in 2021** | |
| **Number Sold** | **Total Value** | **Number Sold** | **Total Value** |
| **Begonias** | Flats | 0577 | 0578  $ | 0579 | 0580  $ |
| Pots less than 5" | 0581 | 0582  $ | 0583 | 0584  $ |
| Pots 5" or more | 0585 | 0586  $ | 0587 | 0588  $ |
| Hanging baskets | 0589 | 0590  $ | 0591 | 0592  $ |
| **Calibrachoa** | Flats | 5540 | 5541  $ | 5542 | 5543  $ |
| Pots less than 5" | 5545 | 5546  $ | 5547 | 5548  $ |
| Pots 5" or more | 5550 | 5551  $ | 5552 | 5553  $ |
| Hanging baskets | 5555 | 5556  $ | 5557 | 5558  $ |
| **Geraniums**  from vegetative cuttings | Flats | 0910 | 0911  $ | 0912 | 0913  $ |
| Pots less than 5" | 0140 | 0762  $ | 0142 | 0144  $ |
| Pots 5" or more | 0141 | 0763  $ | 0143 | 0243  $ |
| Hanging baskets | 0914 | 0915  $ | 0916 | 0917  $ |
| **Geraniums**  from seeds and plug seedlings | Flats | 0844 | 0845  $ | 0846 | 0847  $ |
| Pots less than 5" | 0147 | 0764  $ | 0149 | 0151  $ |
| Pots 5" or more | 0148 | 0765  $ | 0150 | 0244  $ |
| Hanging baskets | 0848 | 0849  $ | 0850 | 0851  $ |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SECTION 4 - ANNUAL BEDDING/GARDEN PLANTS** (continued) | | | | | |
| **Annual Bedding/Garden Plants** | **Type of Container** | **Retail Sales in 2021** | | **Wholesale Sales in 2021** | |
| **Number Sold** | **Total Value** | **Number Sold** | **Total Value** |
| **New Guinea Impatiens** | Flats | 0637 | 0741  $ | 0638 | 0639  $ |
| Pots less than 5" | 0680 | 0766  $ | 0682 | 0684  $ |
| Pots 5" or more | 0681 | 0767  $ | 0683 | 0685  $ |
| Hanging baskets | 0659 | 0747  $ | 0660 | 0661  $ |
| **Impatiens,**  **interspecific hybrids** | Flats | 5900 | 5901  $ | 5902 | 5903  $ |
| Pots less than 5" | 5904 | 5905  $ | 5906 | 5907  $ |
| Pots 5" or more | 5908 | 5909  $ | 5910 | 5911  $ |
| Hanging baskets | 5912 | 5913  $ | 5914 | 5915  $ |
| **Impatiens, other** | Flats | 0632 | 0742  $ | 0633 | 0634  $ |
| Pots less than 5" | 0672 | 0768  $ | 0674 | 0676  $ |
| Pots 5" or more | 0673 | 0769  $ | 0675 | 0677  $ |
| Hanging baskets | 0655 | 0748  $ | 0656 | 0657  $ |
| **Marigolds** | Flats | 0852 | 0853  $ | 0854 | 0855  $ |
| Pots less than 5" | 0856 | 0857  $ | 0858 | 0859  $ |
| Pots 5" or more | 0860 | 0861  $ | 0862 | 0863  $ |
| Hanging baskets | 0864 | 0865  $ | 0866 | 0867  $ |
| **Pansies/Violas** | Flats | 0868 | 0869  $ | 0870 | 0871  $ |
| Pots less than 5" | 0872 | 0873  $ | 0874 | 0875  $ |
| Pots 5" or more | 0876 | 0877  $ | 0878 | 0879  $ |
| Hanging baskets | 0884 | 0885  $ | 0886 | 0887  $ |
| **Petunias** | Flats | 0642 | 0743  $ | 0643 | 0644  $ |
| Pots less than 5" | 0688 | 0770  $ | 0690 | 0692  $ |
| Pots 5" or more | 0689 | 0771  $ | 0691 | 0693  $ |
| Hanging baskets | 0663 | 0749  $ | 0664 | 0665  $ |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **SECTION 4 - ANNUAL BEDDING/GARDEN PLANTS** (continued) | | | | | | |
| **Annual Bedding/Garden Plants** | **Type of Container** | **Retail Sales in 2021** | | | **Wholesale Sales in 2021** | |
| **Number Sold** | **Total Value** | | **Number Sold** | **Total Value** |
| **Vinca** | Flats | 5500 | | 5501  $ | 5502 | 5503  $ |
| Pots less than 5" | 5505 | | 5506  $ | 5507 | 5508  $ |
| Pots 5" or more | 5510 | | 5511  $ | 5512 | 5513  $ |
| Hanging baskets | 5515 | | 5516  $ | 5517 | 5518  $ |
| **All Other Flowering and Foliar Plants** 1/ | Flats | 0123 | | 0744  $ | 0124 | 0125  $ |
| Pots less than 5" | 0154 | | 0772  $ | 0156 | 0158  $ |
| Pots 5" or more | 0155 | | 0773  $ | 0157 | 0245  $ |
| Hanging baskets | 0104 | | 0750  $ | 0105 | 0106  $ |

1/ A partial list of All Other Flowering/Foliar Plants includes: Ageratum, Alyssum (sweet), Caladium, Celosia, Coleus, Combination planter/color bowl, Dusty Miller, Fuchsia, Gazania, Nicotiana, Portulaca, Salvia (annual), Snapdragon, Verbena, and Zinnia.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SECTION 4 - ANNUAL BEDDING/GARDEN PLANTS** (continued) | | | | | |
| **Vegetable Type Bedding Plants for Home Use**  EXCLUDE transplants for commercial production | **Type of Container** | **Retail Sales in 2021** | | **Wholesale Sales in 2021** | |
| **Number Sold** | **Total Value** | **Number Sold** | **Total Value** |
| **Herbs (culinary)** | Flats | 6020 | 6021  $ | 6022 | 6023  $ |
| Pots less than 5" | 6025 | 6026  $ | 6027 | 6028  $ |
| Pots 5" or more | 6030 | 6031  $ | 6032 | 6033  $ |
| Hanging baskets | 6035 | 6036  $ | 6037 | 6038  $ |
| **Peppers, all (excluding**  **ornamentals)** | Flats | 6040 | 6041  $ | 6042 | 6043  $ |
| Pots less than 5" | 6045 | 6046  $ | 6047 | 6048  $ |
| Pots 5" or more | 6050 | 6051  $ | 6052 | 6053  $ |
| Hanging baskets | 6055 | 6056  $ | 6057 | 6058  $ |
| **Tomatoes, all** | Flats | 6060 | 6061  $ | 6062 | 6063  $ |
| Pots less than 5" | 6065 | 6066  $ | 6067 | 6068  $ |
| Pots 5" or more | 6070 | 6071  $ | 6072 | 6073  $ |
| Hanging baskets | 6075 | 6076  $ | 6077 | 6078  $ |
| **Other Vegetable types** 1/ | Flats | xxxx | xxxx  $ | xxxx | xxxx  $ |
| Pots less than 5" | xxxx | xxxx  $ | xxxx | xxxx  $ |
| Pots 5" or more | xxxx | xxxx  $ | xxxx | xxxx  $ |
| Hanging baskets | xxxx | xxxx  $ | xxxx | xxxx  $ |

1/ Other Vegetable Type Bedding Plants include: Broccoli, Cabbage, Cauliflower, Other Crucifers, and others.

**SECTION 5 - FOLIAGE PLANTS FOR INDOOR OR PATIO USE (Pots and Baskets)**

1. Did this operation finish and sell any potted foliage plants or foliage hanging baskets for indoor or patio use during 2021?

0405 1 ☐ Yes - Continue 3 ☐ No - Go to Section 6 INCLUDE

* + only those plants FINISHED for indoor or patio use and not intended for landscape use
  + plants that have flowers which are secondary compared with foliage features
  + ivy, cacti, ferns, palms, and succulents, etc., as well as indoor/patio shrubs, trees and vines FINISHED by you EXCLUDE
  + foliage plants purchased from others, but grown by you for less than 4 weeks before resale
  + UNFINISHED plants sold to others for further "growing on" to be reported in Section 7

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Potted Foliage** |  | **Retail Sales in 2021** | | **Wholesale Sales in 2021** | |
| **Type of Container** | **Number Grown and Sold** | **Total Value** | **Number Grown and Sold** | **Total Value** |
| **Aglaonema** | Pots less than 6" | 7000 | 7001  $ | 7002 | 7003  $ |
| Pots 6" to 13” | 7005 | 7006  $ | 7007 | 7008  $ |
| Pots 14" or more | 7010 | 7011  $ | 7012 | 7013  $ |
| Hanging baskets | 7015 | 7016  $ | 7017 | 7018  $ |
| **Bromeliad** | Pots less than 6" | 7040 | 7041  $ | 7042 | 7043  $ |
| Pots 6" to 13” | 7045 | 7046  $ | 7047 | 7048  $ |
| Pots 14" or more | 7050 | 7051  $ | 7052 | 7053  $ |
| Hanging baskets | 7055 | 7056  $ | 7057 | 7058  $ |
| **Cacti and succulents** | Pots less than 6" | 7060 | 7061  $ | 7062 | 7063  $ |
| Pots 6" to 13” | 7065 | 7066  $ | 7067 | 7068  $ |
| Pots 14" or more | 7070 | 7071  $ | 7072 | 7073  $ |
| Hanging baskets | 7075 | 7076  $ | 7077 | 7078  $ |
| **Dracaena** | Pots less than 6" | 7120 | 7121  $ | 7122 | 7123  $ |
| Pots 6" to 13” | 7125 | 7126  $ | 7127 | 7128  $ |
| Pots 14" or more | 7130 | 7131  $ | 7132 | 7133  $ |
| Hanging baskets | 7135 | 7136  $ | 7137 | 7138  $ |
| **Epipremnum (Pothos)** | Pots less than 6" | 7140 | 7141  $ | 7142 | 7143  $ |
| Pots 6" to 13” | 7145 | 7146  $ | 7147 | 7148  $ |
| Pots 14" or more | 7150 | 7151  $ | 7152 | 7153  $ |
| Hanging baskets | 7155 | 7156  $ | 7157 | 7158  $ |
| **SECTION 5 - FOLIAGE PLANTS FOR INDOOR OR PATIO USE (Pots and Baskets)** (continued) | | | | | |
| **Potted Foliage** | **Type of Container** | **Retail Sales in 2021** | | **Wholesale Sales in 2021** | |
| **Number Grown and Sold** | **Total Value** | **Number**  **Grown and Sold** | **Total Value** |
| **Ferns (tropical ferns potted)** | Pots less than 6" | 7160 | 7161  $ | 7162 | 7163  $ |
| Pots 6" to 13” | 7165 | 7166  $ | 7167 | 7168  $ |
| Pots 14" or more | 7170 | 7171  $ | 7172 | 7173  $ |
| Hanging baskets | 7175 | 7176  $ | 7177 | 7178  $ |
| **Palms** | Pots less than 6" | 7240 | 7241  $ | 7242 | 7243  $ |
| Pots 6" to 13” | 7245 | 7246  $ | 7247 | 7248  $ |
| Pots 14" or more | 7250 | 7251  $ | 7252 | 7253  $ |
| Hanging baskets | 7255 | 7256  $ | 7257 | 7258  $ |
| **Spathiphyllum** | Pots less than 6" | 7300 | 7301  $ | 7302 | 7303  $ |
| Pots 6" to 13” | 7305 | 7306  $ | 7307 | 7308  $ |
| Pots 14" or more | 7310 | 7311  $ | 7312 | 7313  $ |
| Hanging baskets | 7315 | 7316  $ | 7317 | 7318  $ |
| **All Other Foliage**  **Plants \*** | Pots less than 6" | 7700 | 7701  $ | 7702 | 7703  $ |
|  | Pots 6" to 13” | 7705 | 7706  $ | 7707 | 7708  $ |
|  | Pots 14" or more | 7710 | 7711  $ | 7712 | 7713  $ |
|  | Hanging baskets | 7715 | 7716  $ | 7717 | 7718  $ |

\*A partial list of Other Foliage Plants includes: Aloe Vera, Dieffenbachia, Ficus, Hedera (Ivy), Philodendron, Schefflera (Brassaia), and Syngonium (Nephthytis).

**SECTION 6 - CUT CULTIVATED GREENS**

## 1. Did this operation produce and sell any cut cultivated greens during 2021?

0406 1 ☐ **Yes** - Continue 3 ☐ **No** - Go to Section 7 INCLUDE those grown and sold for export.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Cut Cultivated Greens** | **Retail Sales in 2021** | | **Wholesale Sales in 2021** | |
| **Number Grown and Sold** | **Total Value** | **Number Grown and Sold** | **Total Value** |
| **Asparagus, tree fern** | 2605  Bunches | 2606  $ | 2607  Bunches | 2608  $ |
| **Aspidistra** | 2680  Bunches | 2681  $ | 2682  Bunches | 2683  $ |
| **Eucalyptus** | 2630  Bunches | 2631  $ | 2632  Bunches | 2633  $ |
| **Leatherleaf Ferns** | 0175  Bunches | 0781  $ | 0176  Bunches | 0177  $ |
| **Pittosporum** | 2660  Bunches | 2661  $ | 2662  Bunches | 2663  $ |
| **Ti Leaves, for floral use** | 2670  Leaves | 2671  $ | 2672  Leaves | 2673  $ |
| **Ti Leaves, for other uses** | 2675  Leaves | 2676  $ | 2677  Leaves | 2678  $ |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Percent of Total Quantity Grown and Sold (Cells 2645 + 2647 = 100%)** | | | | **Sales in 2021** | |
| **All Other Cut Cultivated**  **Greens\*** |  | | | |  | |
| **Retail** | | **Wholesale** | | **Total Value of Retail Sales** | **Total Value of Wholesale Sales** |
|  |  |  |  |  |  |
|  | 2645 |  | 2647 |  | 2646 | 2648 |
|  |  | % |  | % | $ | $ |

\*A partial list of All Other Cultivated Greens includes: Coniferous evergreens, Cordyline, Hedera/Ivy, Holly, Huckleberry/Salal, Myrtle, Oregon/Sword Ferns, and Podocarpus.

**SECTION 7 - PROPAGATIVE FLORICULTURE MATERIAL, BAREROOT AND UNFINISHED PLANTS**

1. Did this operation produce and sell any propagative floriculture material or unfinished plants during 2021?

0417 1 ☐ Yes - Continue 3 ☐ No - Go to Section 8 INCLUDE

* + bareroot perennials, cuttings, liners, plug seedlings, prefinished plants, or tissue cultured plantlets
  + plants sold to other growers for FURTHER GROWING-ON EXCLUDE
  + FINISHED plants sold to others to be reported in Sections 1, 2, 3, 4, 5, and 6
  + seeds, bulbs, tubers, rhizomes, or corms to be reported in Section 8, Item 1d

1. What were the total values of sales of propagative (unfinished) materials by category in 2021?

a. Cut flowers...................................

|  |
| --- |
| 0901  $ |
| 0902  $ |
| 0903  $ |

1. Potted flowering plants.................
2. Annual bedding/garden plants......
3. Herbaceous perennials.......

e. Foliage................................

|  |
| --- |
| 0904  $ |
| 0905  $ |
| 0906  $ |

f. Cut cultivated greens...........

**SECTION 8 - LANDSCAPE PLANT MATERIAL, SOD, FOOD CROPS GROWN UNDER COVER, & OTHER FLORICULTURE/NURSERY MATERIAL**

1. Did this operation produce and sell any landscape plant material, sod, food crops grown under cover, or other floriculture or nursery material, not reported in the previous sections, during 2021?

0409 1 ☐ Yes - Continue 3 ☐ No - Go to Section 9

* 1. What was the total value of retail and wholesale sales of landscape plant material in 2021? ............

0990

$

INCLUDE

* + - broadleaf and coniferous evergreen deciduous shade and flowering trees, palms, citrus, fruit, and tree nuts, etc

EXCLUDE

* + - sod to be reported in Item 1b below
    - bedding and garden plants to be reported in Section 4
    - palms for indoor or patio use to be reported in Section 5
    - potted foliage for indoor or patio use to be reported in Section 5
    - propagative floriculture material to be reported in Section 7
    - any value reported in previous sections

|  |
| --- |
| 0992  $ |
| 0993  $ |
| 0991  $ |

* 1. What was the total value of retail and wholesale sales of sod in 2021? .............................................
  2. What was the total value of retail and wholesale sales of food crops grown under cover in 2021? ...
  3. What was the total value of retail and wholesale sales of all other floriculture or nursery material in 2021? .................................................................................................................................................

INCLUDE Christmas trees, bonsai plants, seeds, bulbs, hapu'u logs, and products not included in previous sections. EXCLUDE any value reported in previous sections.

**SECTION 9 - PLANT RENTAL SERVICES**

1. Did this operation have PLANT RENTAL services during 2021?

1425 1 ☐ Yes - Continue 3 ☐ No - Go to Section 10

* 1. What were this operations' receipts for PLANT RENTAL services in 2021?.......................................

1426

$

**SECTION 10 - AREA USED FOR PRODUCTION**

1. In 2021, how much greenhouse, other covered space, and outdoor land area was used for the production of horticulture products grown by this operation?
   * INCLUDE aisles, walkways, etc.
   * 1 acre = 43,560 square feet

NOTE: The roof covering (glazing) determines the greenhouse classification. For example, a greenhouse with a glass roof having film polyethylene insulation and fiberglass sides would be considered a glass greenhouse.

## Square Feet Acres

Total area = **OR**

0249

.

0248

1. Of the total area used for all horticulture production in 2021, how much was in:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Type of Area** | **Glass greenhouses** | **Fiberglass, rigid, plastic, etc. greenhouses** | **Saran, slat, shade houses, and other covers** | **Film plastic greenhouses: single or double cover** | **Open ground and natural shade** |
| Square feet | Square feet | Square feet | Square feet | Nearest 10th Acre |
| **Floriculture Crops 1/** | 0247 | 0184 | 0186 | 0185 | 0187  . |
| **Nursery and Other Plants 2/** | 0250 | 0251 | 0252 | 0253 | 0254  . |

1/ Floriculture crops include cut and lei flowers, orchids, flowering and foliage plants (indoor use), annual bedding/garden plants, cut cultivated greens, herbaceous perennials, and floriculture propagative material.

2/ Nursery and other plants include potted foliage (outdoor landscaping use), trees, Christmas trees, sod, plant rentals, food crops grown under cover, vegetable and flower seeds, aquatic plants, dried bulbs, corms, rhizomes, tubers, etc.

1. Report the area used for production of the following crops by plant type.

If the same area was used to grow different crop types, report area for each crop type. EXCLUDE crop turns within each crop category.

|  |  |  |  |
| --- | --- | --- | --- |
| **Type of Flower or Nursery Product** | **Glass greenhouses or glass substitute** | **Artificial shade, saran, lath, frames, clothes, etc.** | **Open ground and natural shade used for production** |
| Square feet | Square feet | Nearest 10th Acre |
| **Dendrobium Orchids**  Cut or lei flowers | 0510 | 0511 | 0514  . |
| **Dendrobium Orchids**  Potted plants | 0515 | 0516 | 0519  . |

1. What was the total gross value of sales for the reported horticulture crops in 2021?

|  |  |  |
| --- | --- | --- |
|  | | (Check sales group.) |
| 0 to 999 dollars.......................................... | 99 | ☐ |
| 1,000 to 9,999 dollars................................ | 1 | ☐ |
| 10,000 to 19,999 dollars............................ | 2 | ☐ |
| 20,000 to 24,999 dollars............................ | 3 | ☐ |
| 25,000 to 39,999 dollars............................ | 4 | ☐ |
| 40,000 to 49,999 dollars............................ | 5 | ☐ |
| 50,000 to 99,999 dollars............................ | 6 | ☐ |
| 100,000 to 249,999 dollars........................ | 7 | ☐ |
| 250,000 to 499,999 dollars........................ | 8 | ☐ |
| 500,000 to 999,999 dollars........................ | 9 | ☐ |
| 1,000,000 dollars or more.......................... | 10 | ☐ |

# OFFICE USE

0899

1. What was the largest number of workers on the payroll on any one day in 2021?

INCLUDE full-time and part-time workers, hired managers, and PAID family members. **None Workers**

EXCLUDE workers employed only for the retail operation, those working as landscapers, and non-paid family members..................................................................................................

0898

☐

Complete this section **only** if this operation did NOT produce any commercial horticulture products in 2021 (Item 1 on the front page is checked "None").

1. Has this operation been sold, rented, or turned over to someone else?

1a.

Will this operation produce any cut flowers, potted flowering plants, potted foliage plants, flowering or foliage hanging baskets, bedding plants (annual and perennial), cut cultivated florist greens, propagative material, nursery material, unfinished plants or food crops during 2022?

0953 1 ☐ Yes 2 ☐ Don't Know 3 ☐ No

[Regardless of the answer above, write a note to explain the situation, then go to SECTION 13, ITEM 3.]

0950 1 ☐ Yes - Continue 3 ☐ No - Go to Item 1a

1. Please provide the following information for the operation that has taken over, then go to SECTION 13, ITEM 3.
   1. What is the name and address of the new operation?

Operation Name:

Address:

Operator Name:

Address:

1. Are you involved in any additional horticulture operations in this State?

0951 1 ☐ Yes - please list name and address of operation(s) in this State: 3 ☐ No - Go to Item 2

* 1. Did you include the production from the additional operation(s) in this report?

0955 1 ☐ Yes 3 ☐ No

1. Does this operation operate any horticulture operations in any other State(s)?

0952 1 ☐ Yes - please list name and address of operation(s) in other State(s): 3 ☐ No - Go to Item 3

* 1. Did you include the production from the additional operation(s) in this report?

0956 1 ☐ Yes 3 ☐ No

1. Comments related to the information you reported:
2. **SURVEY RESULTS**: To receive the complete results of this survey on the release date, go to https://[www.nass.usda.gov/Statistics\_by\_State/Hawaii/index.php](http://www.nass.usda.gov/Statistics_by_State/Hawaii/index.php)

To have a brief summary emailed to you at a later date, please enter your email address:

1095

**Contact Information**

|  |  |  |
| --- | --- | --- |
| Operation Email: (if different from above) | Operation Phone: |  |
| 9937 | 9936  ( ) – \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Check if  cell phone |

Respondent Name: Respondent Phone: (if different than above)

|  |  |  |
| --- | --- | --- |
| 9912 | 9911 Check if  cell phone  ( ) -\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 9910 MM DD YY  Date: |

This completes the survey. Thank you for your response.

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **OFFICE USE ONLY** | | | | | | | | | | | | |
| Response | | Respondent | | Mode | | Enum. | Eval. | Change | Office Use for POID | | | |
| 1-Comp 2-R   1. Inac 2. Office Hold 5-R – Est 3. Inac – Est 4. Off Hold – Est | 9901 | 1-Op/Mgr 2-Spouse  3-Acct/Bkpr 4-Partner  9-Other | 9902 | 1. PASI (Mail) 2. PATI (Tel) 3. PAPI (Face-to- Face)   6-Email 7-Fax 19-Other | 9903 | 9998 | 9900 | 9985 | 9989  - - | | | |
|  | | | |
| R. Unit | Optional Use | | | |
| 9921 | 9907 | 9908 | 9906 | 9916 |