

# CITRUS BUDWOOD

## Annual Report

2020-2021



Florida Department of Agriculture and Consumer Services

# Bureau of Citrus Budwood Registration

Ben Rosson, Chief

We are in the 68th year of the Citrus Budwood Registration Program and, like the rest of the world, COVID-19 make it extremely challenging. And what a year it has been.....AGAIN! From the excitement of finally being able to get out and see our friends in the industry to then going back to social distancing, this year has been a lesson in fortitude and perseverance. While we have had some of the same disruptions in the Bureau that our industry partners have had with supply shortages, illness and other pandemic related issues, we have continued to work through it all to ensure that we provide uncompromised budwood and superior services to our stakeholders.

## **Seed Source Block – Chiefland**

The Chiefland Seed Source Block continues to expand with new additions of rootstocks that are coming into the program while ensuring that industry standard sources are maintained. The block went through its first cold winter in 2020 with 16 nights of below freezing temperatures. We ran Microjet irrigation throughout these chilly nights to help protect the trees and were very fortunate to only lose two trees by the end of winter. As the weather warmed up in March, we planted 274 trees consisting of the most popular commercial root stock varieties. The seed source block now has full rows of Swingle, Kuharske, Sour Orange, US-802, US 812, US 942, X 639 and Volkamer. The seed block currently has a total count of 680 trees with 66 unique varieties. We were able to harvest the first large batch of seed this year from the block to help supplement the Bureau's needs for introduction liners.

## **Florida Citrus Foundation - Chiefland**

There are over 2,100 trees in the ground at the Chiefland greenhouses. One hundred and one new varieties were planted in the index houses this past year. Chiefland House 5 is officially full and we are now placing additions in the House 4 Expansion. In mid-2020, we were able to purchase a miniature air blast sprayer for greenhouse use. The sprayer has been a huge improvement to our spray program. It allows us to spray more frequently while using fewer chemicals and less manpower.

## **Florida Citrus Repository - LaCrosse**

Also, this year, another 100 trees were planted in the LaCrosse Foundation backup facility with new releases from the program. There are currently over 200 trees planted in the facility. We are continually streamlining the collection and extraction process to provide timely results to the industry while maintaining Florida's "gold standard." The Florida program has made thousands of parent tree selections over the years.

## **Citrus Germplasm Laboratory and Greenhouses – Winter Haven**

The Budwood Winter Haven Laboratory has undergone quite a few changes this past year with renovations to the functionality of labs and offices. An updated DIRO water system and a new glassware dishwasher have been installed. We have also acquired a new microscope that incorporates the use of video for better ease of actual (and training of) shoot tip grafting. The greenhouses have also been updated with upgraded cooling pads and the installation of a new brick paver walkway and new push carts to Greenhouse 2.

## **Florida Citrus Arboretum**

Our Winter Haven location maintains the Florida Citrus Arboretum which currently showcases over 200 trees including unique and historical varieties. If you haven't been there lately please plan a trip to see the updates we have made to the grounds! The Arboretum was first planted in 1978 as a six and one-half acre collection of citrus germplasm from around the world. The construction was designed to reflect a Mediterranean style 16<sup>th</sup> century Spanish orangerie, with the use of stucco, tile and decorative iron work. Commercial citrus as well as citrus relatives and hybrids are available for researchers, FFA groups, college students, and tourists to observe, evaluate and taste. There are currently 277 trees representing 245 different variety clones.

As HLB remains our biggest obstacle, we continue to replant utilizing our own specially designed IPC's and follow industry standard caretaking practices. During this fiscal year 11 trees were removed and an additional 19 were replanted. We continue to incorporate some of the newer releases while maintaining the older line varieties, hybrids and relatives. There are still some vacant spaces we intentionally do not fill, anticipating that next great variety!

As the revitalization of the arboretum continues, we are consistently trying to maintain and implement the latest technologies in agriculture today. With that being said, we were able to upgrade the irrigation well and pump to include a new acid injection pump to help better control our pH. A state-of-the-art weather monitoring station was implemented to record rain amounts, wind speeds, temperatures, etc. Sensors for soil moisture, temperature and salinity were also installed. This information can be viewed from an app on smart phones. We were also fortunate to have the irrigation automated to allow for after hours and weekend use. All of these upgrades should help us fine tune how we water, feed and spray the "Arb" to make it the best citrus grove it can be!

#### **Citrus Nursery Inspection Update**

Citrus Nursery Inspectors are assigned to each certified citrus nursery and inspect nursery sites, greenhouse structures and surrounding areas on a monthly basis. Trees are inspected for the presence of insects and diseases. Samples of leaves, stems and fruit from these inspections are sent to DPI's plant pathology laboratory for testing and identification and soil samples are sent to DPI's nematology laboratory for identification. Scion and seed source trees are tested annually for pathogens and sent to the Florida Citrus Repository labs in LaCrosse.

During the 2020-2021 fiscal year, citrus nursery inspectors visited 24 seed source locations to either witness trees being planted or for routine inspections. Inspectors collected a total of 1,802 leaf samples during the annual seed source collections. Scion collections begin in September or October each year and leaf samples were taken from 25 citrus nurseries with 2,601 scion trees being tested.

# Bureau of Citrus Budwood Registration

## Staff Members

28 Fulltime Employees (FTE),  
Chiefland  
Winter Haven  
LaCrosse

9 OPS Positions  
4 FTE, 3 OPS  
14 FTE, 3 OPS  
10 FTE, 3 OPS

### Name

### Position Title

#### CITRUS GERMPLASM INTRODUCTION PROGRAM - LACROSSE

|                   |                                    |                                       |              |
|-------------------|------------------------------------|---------------------------------------|--------------|
| Ben Rosson        | Bureau Chief                       | Chief of Citrus Budwood Registration  | 386-853-6446 |
| Christina Waters  | OPS Senior Clerk                   | Clerical and Administrative Assistant | 386-853-6456 |
| Kristen Aslan     | Biological Administrator III – SES | Program Administrator                 | 386-853-6447 |
| James Coleman     | Biological Scientist IV - SES      | Phase I Lab Manager                   | 386-853-6449 |
| Kin-Kwan Lai      | Biological Scientist IV – SES      | Phase II Lab Manager                  | 386-853-6452 |
| Rinu Kooliyottil  | Biological Scientist IV            | Lab Testing                           | 386-853-6450 |
| Regina Fairbanks  | Biological Scientist III           | Lab Testing                           | 386-853-6450 |
| James DeValerio   | Laboratory Technician IV           | Lab Testing                           | 386-853-6455 |
| Robert Brady      | Ag & Consumer Protection Supv- SES | Greenhouse Manager                    | 386-853-6453 |
| Elizabeth Parrish | Agriculture & Consumer Prot Spec   | Greenhouse Caretaking                 | 386-853-6453 |
| Vester Coggins    | Maintenance Mechanic               | Phase I & II Maintenance              | 386-853-6448 |
| Dario DiGenova    | Biological Scientist III           | Lab Testing                           | 386-853-6452 |
| Marcus Burrell    | OPS Laboratory Technician I        | Lab Assistant                         | 386-853-6452 |
| Emily Sharkey     | Biological Scientist II            | Lab Testing                           | 954-294-0046 |

#### CITRUS BUDWOOD REGISTRATION, CITRUS NURSERY INSPECTION & THE FLORIDA CITRUS ARBORETUM – WINTER HAVEN

|                   |                                        |                                         |              |
|-------------------|----------------------------------------|-----------------------------------------|--------------|
| Justin Ezell      | Operations & Mgmt Consultant Mgr - SES | Assistant Bureau Chief – Winter Haven   | 863-298-3042 |
| Karen Ouellette   | Management Analyst II – SES            | Source Tree Records Management          | 863-298-3045 |
| Randall Dean      | Environmental Supervisor I - SES       | Citrus Nursery Inspection Supervisor    | 863-298-3039 |
| Donald Taylor     | Environmental Specialist II            | Citrus Nursery Inspection               | 863-298-3037 |
| Peter Carbon      | Environmental Specialist II            | Citrus Nursery Inspection               | 352-395-4705 |
| Ashley Nolen      | Environmental Specialist II            | Citrus Nursery Inspection               | 863-201-6095 |
| Johnny Yates      | Environmental Specialist II            | Citrus Nursery Inspection               | 863-298-3037 |
| Craig Landress    | Environmental Specialist II            | Citrus Nursery Inspection               | 863-201-6095 |
| Ana Lebron-Rivera | Environmental Specialist II            | Citrus Nursery Inspection               | 863-298-3043 |
| Samantha Daniel   | Environmental Specialist II            | Citrus Nursery Inspection               | 352-647-8231 |
| Kaleigh Walker    | Biological Scientist III               | Parent Tree Cleanup                     | 863-298-3052 |
| Jessica Godoy     | OPS Laboratory Technician IV           | Greenhouse Caretaking and Lab Assistant | 863-438-9223 |
| Kacie Gmitter     | OPS Laboratory Technician I            | Lab Assistant                           | 863-298-3047 |
| Meta Roth         | Agricultural Technician III            | Greenhouse Caretaking                   | 863-298-3051 |
| Mercedes Jusino   | Laboratory Technician II               | Greenhouse Caretaking                   | 863-298-3051 |
| Joe Hanus         | Grounds keeping Supervisor II – SES    | Arboretum Supervisor                    | 863-298-3045 |
| James Bouie       | OPS Agricultural Technician II         | Arboretum Caretaking                    | 863-298-3045 |

#### CHIEFLAND FOUNDATION

|                     |                                              |                                         |              |
|---------------------|----------------------------------------------|-----------------------------------------|--------------|
| Marc McCaskill      | Operations & Mgmt Consultant Mgr - SES       | Budwood Distribution Supervisor         | 352-493-6801 |
| Shelby Sheppard     | Administrative Secretary                     | Receptionist & Budwood Orders           | 352-493-6801 |
| George Miller       | Agriculture & Consumer Protection Specialist | Greenhouse Caretaking & Budwood Cutting | 352-493-6801 |
| Dennis Connolly     | Environmental Supervisor I – SES             | Seed Source Block Supervisor            | 352-493-6801 |
| Stacy Webster       | OPS Agricultural Technician II               | Seed Block Caretaking                   | 352-493-6801 |
| Ryan Maclean        | OPS Agricultural Technician II               | Seed Block Caretaking                   | 352-493-6801 |
| Antonio Bongiovanni | OPS Agricultural Technician II               | Seed Block Caretaking                   | 352-493-6801 |

#### CITRUS BUDWOOD TECHNICAL ADVISORY COMMITTEE MEMBERS

| Grower        | Nursery        | Regulatory        | Research         |
|---------------|----------------|-------------------|------------------|
| Peter Chaires | Michael Monroe | Dr. Susan Halbert | Dr. Kim Bowman   |
|               | John Gose      | Kristen Aslan     | Dr. Fred Gmitter |
|               | Nate Jameson   | Ben Rosson        | Dr. Mark Hilf    |
|               | *Phillip Rucks | Justin Ezell      |                  |
|               | Tommy Thayer   |                   |                  |

\*Committee Chairman

The Citrus Budwood Technical Advisory Committee provides oversight to the Citrus Nursery Stock Certification Program. The committee did not meet in 2020 due to the outbreak of SARS-CoV-2 coronavirus.

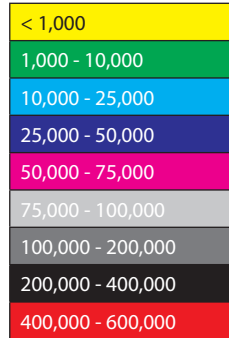
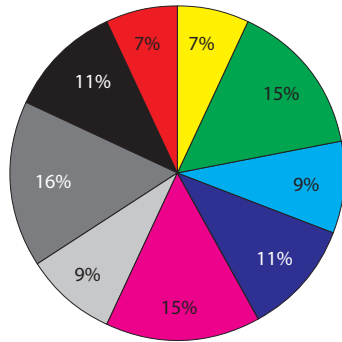
## Florida Citrus Nursery Participants

45 Florida commercial citrus nurseries and 2 research facilities reported making propagations in the 2020-2021 fiscal year. The data table closed July 29, 2021. Any budwood cutting reports submitted after that date were not recorded.

| Part#                                                                                                                                                                 | Participant Name                        | Nursery Type                                          | Part#                                                       | Participant Name                          | Nursery Type |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------|-------------------------------------------------------|-------------------------------------------------------------|-------------------------------------------|--------------|
| 0968                                                                                                                                                                  | Agromillora Florida, Inc.               | TC                                                    | 0199                                                        | Lykes Citrus Division                     | C            |
| 0888                                                                                                                                                                  | James H. Albritton                      | OU                                                    | 0882                                                        | McGill Citrus Nursery, Inc.               | C            |
| 0821                                                                                                                                                                  | Robert J. Barben, Inc.                  | C                                                     | 0952                                                        | Murphy Citrus Nursery, Inc.               | C            |
| 0979                                                                                                                                                                  | BL Citrus Nursery, LLC                  | C                                                     | 0965                                                        | North Florida Citrus Nursery, LLC         | C            |
| 0955                                                                                                                                                                  | Blue Heron Nurseries, LLC               | C                                                     | 0972                                                        | Old South Nursery                         | C            |
| 0805                                                                                                                                                                  | Brewer Citrus Nursery                   | C                                                     | 0817                                                        | Petteway Growers                          | C            |
| 0876                                                                                                                                                                  | Brite Leaf Citrus Nursery, LLC          | C                                                     | 0535                                                        | Pokey's Lake Jem Citrus Nursery           | C            |
| 0969                                                                                                                                                                  | Citrific Holdings, Inc.                 | C                                                     | 0974                                                        | Propagations Unlimited, Inc.              | C            |
| 0960                                                                                                                                                                  | CitriSun Nurseries, LLC                 | C                                                     | 0625                                                        | Rasnake Citrus Nursery                    | C            |
| 0913                                                                                                                                                                  | Cutrale Farms, Inc.                     | C                                                     | 0778                                                        | Reclamation Trees                         | C            |
| 0961                                                                                                                                                                  | Dilley Citrus Nursery, Inc.             | C                                                     | 0832                                                        | Record Buck Farms, Inc.                   | DY, WHSL     |
| 0799                                                                                                                                                                  | K & C Farmer Citrus Nursery, Inc.       | C                                                     | 0721                                                        | Phillip Rucks Citrus Nursery, Inc.        | C            |
| 0801                                                                                                                                                                  | Fiddler's Ridge Farms, Inc.             | C                                                     | 0962                                                        | Sawmill Citrus Nursery, LLC               | C            |
| 0728                                                                                                                                                                  | Flood Clinch Lake Nursery               | C                                                     | 0033                                                        | Southern Citrus Nurseries, LLC            | C            |
| 0702                                                                                                                                                                  | Floyd & Associates, Inc.                | C                                                     | 0700                                                        | Southern Gardens Citrus Nursery, LLC      | C            |
| 0929                                                                                                                                                                  | Gose Growers, Inc.                      | C                                                     | 0753                                                        | Southridge Citrus Nursery, Inc.           | C            |
| 0522                                                                                                                                                                  | W. E. Green & Sons Citrus Nursery, Inc. | C                                                     | 0891                                                        | Stinson Citrus                            | C            |
| 0519                                                                                                                                                                  | Ben Hill Griffin, Inc.                  | C                                                     | 0948                                                        | Sun Ag LLC                                | C            |
| 0773                                                                                                                                                                  | Harris Citrus Nursery                   | C, DY                                                 | 0740                                                        | Timmermann's Citrus Nursery               | C, DY        |
| 0433                                                                                                                                                                  | Himrod Citrus Nursery, Inc.             | C                                                     | 0214                                                        | W.A. Williams Citrus Nursery & Svc., Inc. | C            |
| 0355                                                                                                                                                                  | Holmberg Farms, Inc.                    | C, DY                                                 | 0920                                                        | W.W. Citrus Nursery                       | C            |
| 0738                                                                                                                                                                  | Joshua Citrus Nursery                   | OU                                                    | 0001                                                        | Wards Nursery, Inc.                       | C            |
| 0980                                                                                                                                                                  | L&L Citrus Trees, Inc.                  | DY                                                    | 4,825,343 propagations were reported by commercial entities |                                           |              |
| <b>Nursery Type</b><br>C = Commercial<br>OU = Own use<br>DY = Dooryard<br>WHSL = Wholesale<br>RE = Research<br>TC = Tissue culture or micro-propagation               |                                         | PART#                                                 | Research Agencies Propagating                               |                                           |              |
|                                                                                                                                                                       |                                         | 1004                                                  | UF-CREC                                                     |                                           | RE           |
|                                                                                                                                                                       |                                         | 1008                                                  | USDA - Ft. Pierce                                           |                                           | RE           |
|                                                                                                                                                                       |                                         | 3,730 propagations were reported by research entities |                                                             |                                           |              |
|                                                                                                                                                                       |                                         |                                                       |                                                             |                                           |              |
| Mandatory regulation since 1997<br>Mandatory greenhouse production since 2007<br>Budwood can only be sold to registered citrus nurseries or citrus research agencies. |                                         |                                                       |                                                             |                                           |              |

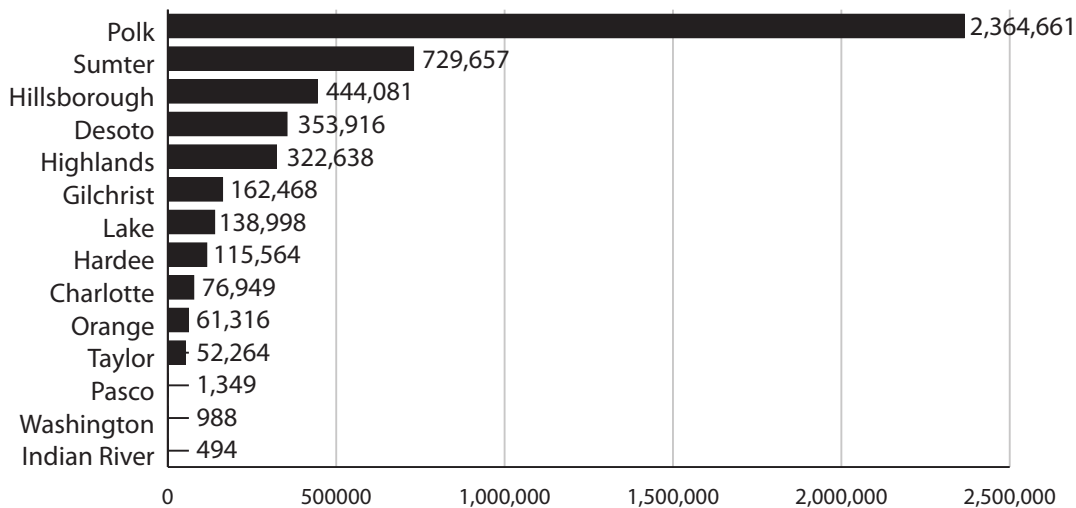
## Citrus Nursery Propagations 2020-2021

4,825,343  
nursery  
propagations  
reported  
in 2020-  
2021 from 45  
citrus nurseries

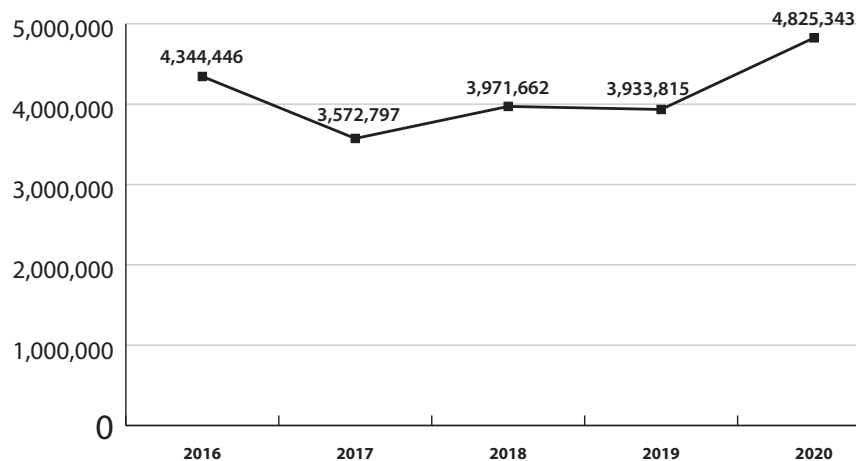


| # Citrus Nurseries |      |      |      |      |
|--------------------|------|------|------|------|
| 2020               | 2019 | 2018 | 2017 | 2016 |
| 3                  | 1    | 1    | 3    | 4    |
| 7                  | 5    | 10   | 10   | 18   |
| 4                  | 5    | 2    | 9    | 6    |
| 5                  | 4    | 8    | 7    | 6    |
| 7                  | 6    | 4    | 3    | 3    |
| 4                  | 6    | 3    | 0    | 4    |
| 7                  | 4    | 7    | 6    | 8    |
| 5                  | 2    | 5    | 4    | 3    |
| 3                  | 3    | 1    | 2    | 1    |
| 0                  | 1    | 0    | 0    | 1    |
| 45                 | 37   | 41   | 44   | 54   |

## Propagations by County



## Number Propagations Reported



| Fiscal Year                           | 2016-2017 | 2017-2018 | 2018-2019 | 2019-2020 | 2020-2021 |
|---------------------------------------|-----------|-----------|-----------|-----------|-----------|
| Propagations Change by                | (93,682)  | (771,649) | 398,865   | (37,847)  | 891,528   |
| Percent Change (increase or decrease) | (2.11) %  | (21.6) %  | 11.16%    | (.95)%    | 18.48%    |
| Nurseries Increasing Production       | 25        | 15        | 21        | 17        | 20        |
| Nurseries Decreasing Production       | 24        | 28        | 13        | 17        | 15        |
| New or Resumed Production             | 3         | 1         | 7         | 3         | 10        |

| New Scion trees must originate from Chiefland foundation budwood. |         |        |                                                                                                    |           |           |
|-------------------------------------------------------------------|---------|--------|----------------------------------------------------------------------------------------------------|-----------|-----------|
| Budwood<br>Source Trees                                           | # Trees |        | (Not including Research participants or out of State)                                              |           |           |
|                                                                   | 2020    | 2019   | Scion Blocks                                                                                       | 2020      | 2019      |
| Seed Source                                                       | 8598    | 8869   | Participants with Scion Blocks                                                                     | 25        | 25        |
| Budwood Scion                                                     | 3,101   | 3092   | Number of Scion Blocks (Budwood)                                                                   | 36        | 38        |
| Sweet Orange                                                      | 2134    | 2154   | Participants with Seed Source Blocks                                                               | 21        | 21        |
| Grapefruit                                                        | 389     | 355    | Number of Seed Source Blocks                                                                       | 31        | 32        |
| Mandarin                                                          | 343     | 349    | #Budeyes cut                                                                                       |           |           |
| Lemon/Lime                                                        | 138     | 142    | Foundation *                                                                                       | 157,567   | 225,786   |
| Pummelo                                                           | 23      | 23     | Scion                                                                                              | 1,654,362 | 1,776,554 |
| Kumquat                                                           | 25      | 24     | Increase                                                                                           | 3,097,874 | 1,983,995 |
| Other                                                             | 49      | 45     | Total                                                                                              | 4,909,803 | 3,986,395 |
| Total Scion                                                       | 11,699  | 11,961 | * The figure from the database may be lower or higher than the figure actually cut from Chiefland. |           |           |

## Increase Trees

### Increase Block Expiration and Extension

Approved increase blocks shall be used as a source of propagation material for a period of up to 36 months from budding or extended to a maximum of 60 months with composite diagnostic testing prior to the 36-month expiration date.

- The increase block will need to be tested using a composite tree sampling method. Testing will include all graft transmissible diseases. If any test results in a positive detection the whole block will be void from further use.
- At least one test per variety, regardless of the number of trees in the block.
- At the end of 60 months these trees will need to be removed from the greenhouse. They will not be eligible to be converted into scion.

|                                                                                                                         |           |
|-------------------------------------------------------------------------------------------------------------------------|-----------|
| Total bud eyes cut from Increase Blocks (IB)                                                                            | 3,097,874 |
| % of all B/W originating from IB                                                                                        | 63.10%    |
| # Nurseries reported cutting IB                                                                                         | 31        |
| Valencia SPB-1-14-19 was the most popular variety-clone cut from increase blocks at 1,438,164 budeyes cut.              |           |
| Valencia SPB-1-14-19 on US-942 rootstock was the combination most budded from increase blocks at 434,422 propagations . |           |

| Top 15 Variety Clone |                           |           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|----------------------|---------------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                      | Variety Clone             | # Budded  | Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 1                    | Valencia SPB-1-14-19      | 2,097,842 | The first selections from open pollinated Valencia seedlings in a grove planted by Dr. and Mrs. Ausker Hughes near Plymouth in Orange County in 1941. Nucellar characteristics made them more cold hardy with better fruit production than the old-line selections. They have become the most popular Valencia selections in Florida. Similar to SPB-1-14-31, and SPB-1-12-7.                                                                                                                                                                                                                                                                                         |
| 2                    | Vernia UF 35-15           | 464,156   | Dr. Bill Castle's nucellar selection planted at Orie Lee's in St. Cloud. Entered into the program on 5/15/1996. The seed for the DPI-441 clone originated from the Coca Cola, Hodgson Grove, Indian Town, same as the Vernia-3 clone. Vernia is a Spanish variety; fruit medium-small, egg shaped, well colored, very prolific, fruit holds well, inclined to produce off bloom fruit, smaller than Valencia. The season is several weeks earlier than Valencia.                                                                                                                                                                                                      |
| 3                    | Hamlin 1-4-1              | 387,356   | An old-line selection entered into the program by Ward's Nursery in Avon Park. This was the first Hamlin selection entered into the Budwood parent tree program in 1953 and still remains the most widely propagated early orange. It has typical Hamlin traits and excellent yields. Origin: Florida, chance seedling near Glenwood, 1879. Fruit medium-small, seeds few to none, rind thin, smooth, juicy, poor color. Season: Early.                                                                                                                                                                                                                               |
| 4                    | Valencia F-55-4           | 281,808   | The "55 series" are DPI nucellar lines. These selections are young nucellar lines from seedlings of fruit collected from the Hughes grove in Orange County. Fruit characteristics are typical of Valencia oranges. Trees are a little more vigorous than old line and Hughes nucellar selections. Fruit production has been slightly better than the Hughes selections and significantly better than the old lines. Similar to F-55-4, F-55-1, S-F-55-28, and F-55-23. Planted in 1/4 Foundation Grove in 1961.                                                                                                                                                       |
| 5                    | Meyer Le US               | 150,059   | Received budwood from the USDA 1/26/1996. Originally brought into the USA by Frank Meyer in 1908 who was a USDA plant explorer. Origin: China, also known as Peking lemon. A typical Meyer lemon type popular with homeowners. Everflowering mainly in spring, large yellow fruit, smooth skin, lower acidity, more cold tolerant than other lemons, tender and juicy, moderately seedy (10), low spreading growth habit. Season: Fruit throughout the year, mainly winter, November-March.                                                                                                                                                                           |
| 6                    | Star Ruby Gft DPI-60      | 134,489   | One of the first new citrus varieties approved to bring into Florida for release to growers. The variety was requested by Dr. Bill Cooper, USDA, in a letter dated 4/13/1970. Ten budsticks were dispatched from the original Texas tree identified as 61-3 on 6/24/1971. Originated from Texas A&I from irradiated seed of Hudson grapefruit variety 1959 and released to Texas growers 1970. The principal advantages are the deep red internal color and the exterior red blush. Leaves blotchy, chlorotic areas. Sensitive to some herbicides, foot rot, and cold. Fruit quality is not as good as Ruby Red with slightly smaller fruit size. Released 4/21/1977. |
| 7                    | Key Lime SPB-51-12        | 118,594   | Most likely collected from Avon Park bombing range around 1957. This is the main key lime clone utilized in the nursery industry. Origin: W. Indies. Very small fruit, thin rind, smooth, moderately seedy 3-5, greenish yellow. Season: Everbearing, mainly winter.                                                                                                                                                                                                                                                                                                                                                                                                  |
| 8                    | Valencia SPB-1-14-31      | 96,097    | Similar to SPB-1-14-19, and SPB-1-12-7.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 9                    | Ray Ruby Gft CGIP-103     | 74,665    | Originated from a Ruby Red grapefruit mutation. Discovered in 1970 in a Weslaco, Texas Ruby Red grove by Robert Ray. Flesh color and exterior blush more red than Ruby Red but not as intense as Star Ruby. Good red fruit color, slightly less than Flame. Good fruit size and shape. Excellent quality, comparable to Ruby Red. Good yields. Released in 1986.                                                                                                                                                                                                                                                                                                      |
| 10                   | Bearss Le SPB-341-95-33   | 71,127    | Entered into program, 11/1/1966 from the Coca Cola Hodgson grove at Indiantown. Minute Maid trees established from budwood from the original Bearss seedling trees at Lutz, Florida. The major lemon selection grown in Florida. Similar to Lisbon, vigorous, less thorny than normal, 1-6 seeds, scab susceptible, peel oil 14.12+ lbs./ton. Season: July-December, summer bearing.                                                                                                                                                                                                                                                                                  |
| 11                   | Flame Gft US 1-26-71      | 70,161    | Originated from seedlings planted in Florida from the Henderson variety which came from Texas. Entered into program by Jack Hearn 7/17/1981; released by the USDA in 1987. The fruit color is nearly as good as Star Ruby and has a decent blush. Holds flesh color well into season.                                                                                                                                                                                                                                                                                                                                                                                 |
| 12                   | Valquarius LT UF SF14W-62 | 58,558    | Entered by Dr. Jude Grosser, CREC, 9/4/2012. Maturity is four to eight weeks ahead of the standard Valencia variety. Good juice color gives it potential to become a favored midseason processed orange variety. (Mid-January-February) License has been granted to the New Varieties Development and Management Corporation.                                                                                                                                                                                                                                                                                                                                         |
| 13                   | Orri CGIP-134             | 55,442    | Orri mandarin derived from irradiated budwood of Oran mandarin (a Temple x Dancy hybrid) by citrus breeders in Israel. Seedless to few seeds, easy to peel with an excellent flavor. Patented.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| 14                   | Persian Lime SPB-7        | 50,841    | The original tree owned by E. J. Norman of Homestead was entered into the program in 1954 by Coral Reef Nursery. The variety is also known as a Tahiti lime. Normally seedless with a high degree of monoembryony, most likely a hybrid, fruit medium small, smooth, thin rind, juicy. Season: Everbearing, mainly winter, June-September.                                                                                                                                                                                                                                                                                                                            |
| 15                   | Hamlin 8-1-4              | 47,642    | Parent tree entered into the program from the Story Property in Winter Garden in 1953. A top yielding clone in the Budwood Foundation Grove. Has typical Hamlin traits and excellent yields.                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |

## Top 15 Rootstocks 2020-2021

|    | 2020                | # Budded  | 2019        | 2018                | 2017        | 2016        |
|----|---------------------|-----------|-------------|---------------------|-------------|-------------|
| 1  | US-942              | 1,285,560 | US-942      | US-942              | Swingle     | Kuharske    |
| 2  | Kuharske            | 841,448   | Kuharske    | Swingle             | US-942      | X-639       |
| 3  | X-639               | 678,095   | X-639       | Kuharske            | X-639       | S/O         |
| 4  | Swingle             | 468,558   | Swingle     | X-639               | Kuharske    | US-897      |
| 5  | Own Root            | 408,793   | US-897      | Sour Orange         | Sour Orange | SWG         |
| 6  | US-812              | 296,664   | US-812      | US-802              | US-802      | US-942      |
| 7  | Sour Orange         | 176,322   | Sour Orange | Volkamer            | US-897      | US-802      |
| 8  | US-897              | 160,288   | US-802      | US-812              | UFR-04      | US-812      |
| 9  | Volkamer            | 135,977   | Volkamer    | US-897              | US-812      | Cleopatra   |
| 10 | US-802              | 119,887   | C-54        | Rough Lemon         | C-35        | UFR-04      |
| 11 | Rough Lemon         | 57,941    | Rough Lemon | C-35                | Cleopatra   | Volkamer    |
| 12 | C-35                | 39,142    | UFR-04      | UFR-04              | Volkamer    | Kinkoji     |
| 13 | C-54                | 26,993    | C-35        | UFR-17              | UFR-03      | UFR-03      |
| 14 | Poncirus trifoliata | 18,106    | C-57        | Poncirus trifoliata | C-22        | Carrizo     |
| 15 | UFR-04              | 17,892    | US-1777     | US-1516             | Carizzo     | Rough Lemon |

| Seed                         | Tissue Culture               | Rooted Cutting               |
|------------------------------|------------------------------|------------------------------|
| 38 different rootstocks used | 22 different rootstocks used | 17 different rootstocks used |
| 3,550,947 propagations       | 650,090 propagations         | 208,637 propagations         |
| Top Seed = Kuharske          | Top Tissue Culture = US 942  | Top Rooted Cutting = US-942  |
| (790,907 Propagations)       | (583,560 Propagations)       | (60,899 Propagations)        |

## New Florida Parent Candidates

### Parents Selected or Bred in Florida

| Year | Candidates Entered | Parents Released | Cultivars being Shoot-tip Grafted | Entries by Agency     | 2020 | 2019 | 2018 | 2017 | 2016 |
|------|--------------------|------------------|-----------------------------------|-----------------------|------|------|------|------|------|
| 2020 | 77                 | 64               | 50                                | IFAS CREC             | 30   | 33   | 36   | 31   | 22   |
| 2019 | 69                 | 40               | 95                                | IFAS Gainesville      | 6    | 0    | 18   | 20   | 11   |
| 2018 | 88                 | 96               | 91                                | USDA                  | 39   | 36   | 32   | 25   | 17   |
| 2017 | 86                 | 43               | 109                               | Bureau / Participant  | 0    | 0    | 0    | 1    | 4    |
| 2016 | 56                 | 89               | 100                               | Private / Proprietary | 2    | 0    | 2    | 9    | 2    |
| 2015 | 80                 | 99               | 102                               | Total                 | 77   | 69   | 88   | 86   | 56   |
| 2014 | 110                | 69               | 121                               |                       |      |      |      |      |      |

## Pathogen Testing

Testing Frequency: HLB & CTV – PCR Annual; \* Seed Source every 3 years (Citrus Leaf Blotch Virus (CLBV), Citrus Tatter Leaf Virus (CTLV), Liberibacter spp. Xylella fastidiosa (CVC), and Phytoplasma spp).

Scion/Foundation/Parent Source Tree testing

\*Lab test figures for 2017 are for the first two quarters only.

| Pathogen            | Test Type               | 2020<br>(Phase I Lab)<br>Jan-Dec | 2020<br>(Phase II Lab) | 2019   | 2018   | *2017 | 2016   |
|---------------------|-------------------------|----------------------------------|------------------------|--------|--------|-------|--------|
| HLB                 | qPCR                    | 2,869                            | 4,114                  | 5,427  | 5,987  | 1,179 | 5,922  |
| Tristeza            | qPCR                    | 2,869                            | 8,108                  | 7,164  | 5,008  | 1,305 | 6,541  |
| Psorosis            | Biological              | 160                              |                        | 87     | 106    | 122   | 57     |
| Psorosis            | qPCR                    | 2,869                            | 4,054                  | 4,487  | 5,008  | 177   | 2,225  |
| Tatter Leaf*        | qPCR                    | 2,869                            | 5,459                  | 7,207  | 5,008  | 3,042 | 2,165  |
| Leaf Blotch*        | qPCR                    | 2,869                            | 5,459                  | 7,207  | 5,008  | 1,923 | 3,049  |
| Viroid (Biological) | CEVd, CVd I, III, IV, V | 160                              |                        | 87     | 106    | 77    | 72     |
| Viroid (qPCR)       | CVd I – V, CEVd         | 17,214                           | 24,324                 | 30,542 | 30,048 | 1,946 | 19,124 |
| Total               |                         | 31,559                           | 51,518                 | 62,208 | 56,279 | 9,771 |        |

In 2020 there were 22 additional pathogen tests totaling 31,416 for Phase I and 5 additional pathogen tests totaling 7,205 for Chiefland. Phase II ran an additional 2,810 Phytoplasma spp. and Xylella fastidiosa tests.

### Tests that are run at the LaCrosse Labs:

#### VIRAL

Citrus Tristeza Virus (CTV), Citrus Psorosis Virus (CPsV), Citrus Variegation Virus (CVV), Citrus Leaf Blotch Virus (CLBV)\*, Citrus Tatter Leaf Virus (CTLV)\*, Citrus Leaf Rugose Virus (CLRv), Citrus Vein Enation Virus (CvEV), Citrus Concave Gum associated virus (CCGaV), Satsuma Dwarf Virus (SDV), Citrus Chlorotic Dwarf associated virus (CCDaV), Citrus Yellow Vein Clearing Virus (CYVCV), Citrus Yellow Mosaic Virus (CYMV), Citrus Sudden Death associated virus (CSDaV), Indian Citrus Ringspot Virus (ICRSV), Citrus Leprosis Virus-C (cytoplasmic) (CiLV-C), Citrus Leprosis Virus-N (nuclear) (CiLV-N)

#### VIROID

Citrus Bent Leaf Viroid (CVd – I), Citrus Hop Stunt Viroid (CVd – II), Citrus Dwarfing Viroid (CVd – III), Citrus Bark Cracking Viroid (CVd – IV), Citrus Viroid V (CVd – V), Citrus Viroid VI (CVd – VI), Citrus Viroid VII (CVd – VII), Citrus Exocortis Viroid (CEVd)

#### BACTERIAL

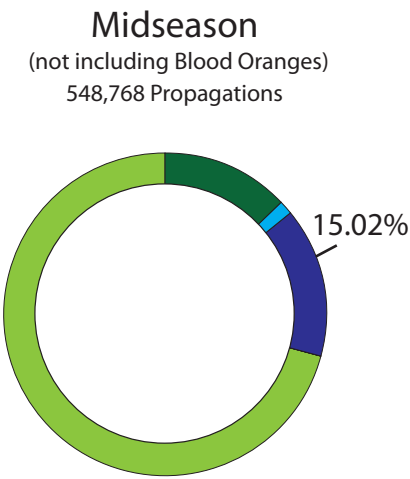
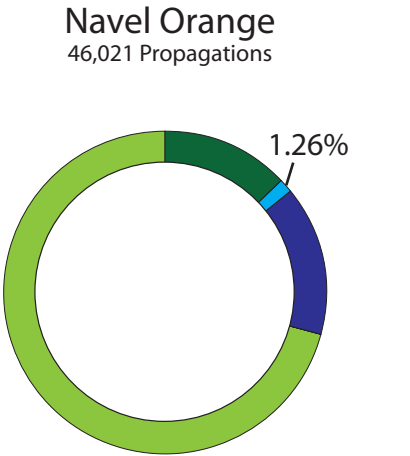
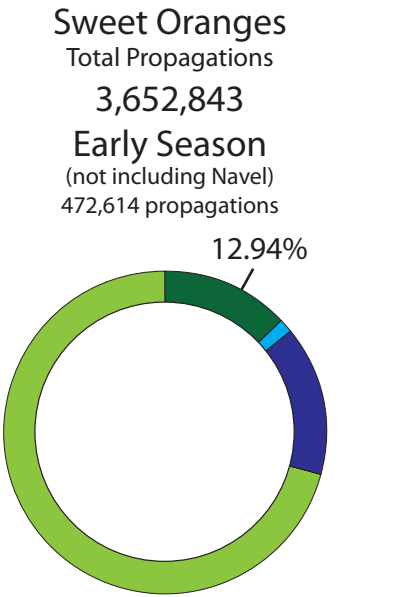
Liberibacter spp. (HLB, greening), Xanthomonas axonopodis pv. citri (Citrus canker), Spiroplasma citri (Citrus Stubborn Disease), Xylella fastidiosa (Citrus Variegated Chlorosis)\*, Phytoplasma spp.\*

#### FUNGAL

Guignardia citricarpa (Citrus black spot), Elsinoë fawcettii (Citrus scab), Elsinoë australis (Sweet orange scab), Psuedocercospora angolensis (Pseudocercospora fruit and leaf spot)

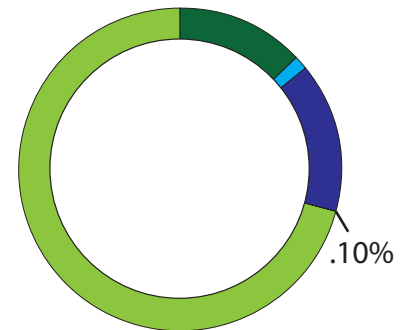
**Seed Source testing** includes Citrus Leaf Blotch Virus (CLBV), Citrus Tatter Leaf Virus (CTLV), Liberibacter spp. Xylella fastidiosa (CVC), and Phytoplasma spp. Seed source trees are not tested for HLB or Canker infection and they do not need to be removed.

| Orange Propagations by Season |                              | Propagations | % of type | % of Sweet Oranges |
|-------------------------------|------------------------------|--------------|-----------|--------------------|
| Early                         | Hamlin 1-4-1                 | 387,356      | 81.96%    | 11%                |
|                               | Hamlin 8-1-4                 | 47,642       | 10.08%    | 1%                 |
|                               | Hamlin UF N13-32             | 16,141       | 3.42%     | <1%                |
|                               | Earlygold UF 33-4            | 5,524        | 1.17%     |                    |
|                               | Hamlin 8-1-5                 | 4,975        | 1.05%     |                    |
|                               | US Sundragon                 | 3,856        | <1%       |                    |
|                               | Carney Orange DPI-229-2      | 2,130        |           |                    |
|                               | Westin UF 47-2               | 1,261        |           |                    |
|                               | Parson Brown F-56-2          | 1,125        |           |                    |
|                               | Carney Orange DPI-229-3      | 1,110        |           |                    |
|                               | Ambersweet US 10-14-65       | 756          |           |                    |
|                               | Roble 502-4-12               | 300          |           |                    |
|                               | Orange Hyb US 1-75-55        | 144          |           |                    |
|                               | Orange Hyb US 6-9-96         | 138          |           |                    |
|                               | Orange Hyb US 1-5-213        | 126          |           |                    |
|                               | Ambersweet US 10-5-65        | 30           |           |                    |
|                               | Totals Early Season          | 472,614      |           |                    |
|                               |                              |              |           |                    |
| Navel                         | Cara Cara Navel CGIP-104     | 15,694       | 34.10%    | <1%                |
|                               | Glen Navel F-56-11           | 15,549       | 33.79%    |                    |
|                               | Summerfield Navel DPI-70-4-9 | 11,922       | 25.91%    |                    |
|                               | Wash Navel F-60-19           | 1,728        | 3.75%     |                    |
|                               | Wash Navel F-60-13           | 714          | 1.55%     |                    |
|                               | Wash Navel F-60-18           | 268          | <1%       |                    |
|                               | Cambria Navel CGIP-179       | 106          |           |                    |
|                               | Dream Navel DPI-58           | 30           |           |                    |
|                               | Kirkwood Red Navel CGIP-239  | 10           |           |                    |
|                               | Total Navel                  | 46,021       |           |                    |
|                               |                              |              |           |                    |
| Midseason                     | Vernia UF 35-15              | 464,156      | 84.58%    | 12.71%             |
|                               | Valquarius LT UF SF14W-62    | 58,558       | 10.67%    | 1.60%              |
|                               | Valencia UF SF14W-65 NP      | 12,037       | 2.19%     | <1%                |
|                               | Florida EV1 UF B7-70         | 4,535        | <1%       |                    |
|                               | Valencia Mid UF OLL20        | 2,236        |           |                    |
|                               | Valquarius UF SF14W-62       | 1,846        |           |                    |
|                               | Vernia UF 35-16              | 1,700        |           |                    |
|                               | Pineapple SL US 10B-6-30     | 1,398        |           |                    |
|                               | Florida EV2 UF SF14W-65      | 894          |           |                    |
|                               | Pineapple 53-10-10           | 827          |           |                    |
|                               | Midsweet LS UF SF11-1-24     | 300          |           |                    |
|                               | Vernia UF C2-2-1             | 167          |           |                    |
|                               | Orange Hyb US 1-85-119       | 114          |           |                    |
|                               | Total Midseason              | 548,768      |           |                    |

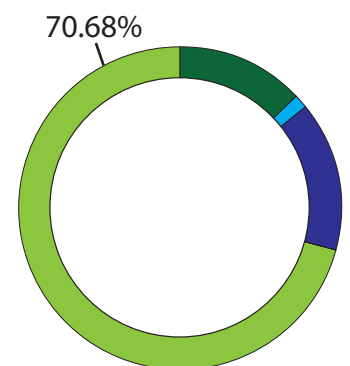


|       |                             |           |        |        |
|-------|-----------------------------|-----------|--------|--------|
| Blood | Budd B/O DPI-82             | 1,092     | 31.27% | <1%    |
|       | Sanguinelli B/O US 10-5-17  | 1,012     | 28.98% |        |
|       | Moro B/O 3-3-11             | 868       | 24.86% |        |
|       | Tarocco B/O UF 30-37        | 520       | 14.89% |        |
|       | Total Blood Oranges         | 3,492     |        |        |
| Late  | Valencia SPB-1-14-19        | 2,097,842 | 81.25% | 57.43% |
|       | Valencia F-55-4             | 281,808   | 10.91% | 7.71%  |
|       | Valencia SPB-1-14-31        | 96,097    | 3.72%  | 2.63%  |
|       | Valencia F-55-23            | 38,881    | 1.51%  | 1.06%  |
|       | Sweet Orange UF OLL8        | 37,235    | 1.44%  | 1.02%  |
|       | Valencia UF B9-65           | 25,716    | <1%    | <1%    |
|       | Sweet Orange UF OLL4        | 1,598     |        |        |
|       | Ruby Valencia CGIP-195      | 860       |        |        |
|       | Valencia F-55-24            | 500       |        |        |
|       | Valencia UF 1-62            | 300       |        |        |
|       | Valencia UF C2A-1-23        | 300       |        |        |
|       | Sweet Orange UF RBA-22-29   | 174       |        |        |
|       | Pope F-53-28                | 160       |        |        |
|       | Valencia UF N40-16-7-11     | 156       |        |        |
|       | Orange Hyb US 6-47-9        | 156       |        |        |
|       | Sweet Orange UF OLL23       | 45        |        |        |
|       | Valencia UF BHG2-68         | 30        |        |        |
|       | Sweet Orange UF OLL-20IR-54 | 30        |        |        |
|       | Sweet Orange UF C1-41-B     | 30        |        |        |
|       | Sweet Orange UF 7-9-35      | 30        |        |        |
|       | Total Late Season           | 2,581,948 |        |        |
|       | Total Sweet Oranges         | 3,652,843 |        |        |

**Blood Orange**  
3,492 Propagations



**Late Season**  
2,581,948 Propagations



The percent represents the total propagations by season out of total sweet oranges.

## Propagations by Type (other than sweet oranges)

| Grapefruit                 | # Budded | % Type |
|----------------------------|----------|--------|
| Star Ruby Gft DPI-60       | 134,489  | 37.05% |
| Ray Ruby Gft CGIP-103      | 74,665   | 20.57% |
| Flame Gft US 1-26-71       | 70,161   | 19.32% |
| Ruby Red Gft F-58-39       | 34,656   | 9.55%  |
| Marsh Gft F-57-4           | 28,071   | 7.73%  |
| Rio Red Gft CGIP-110       | 17,253   | 4.75%  |
| Duncan Gft F-57-19         | 1,442    | <1%    |
| Jackson Gft DPI-16         | 1,259    |        |
| Marsh Gft 74-1-1           | 521      |        |
| Grapefruit UF N40-16-11-11 | 210      |        |
| Thompson Gft 25-3-6        | 88       |        |
| US Seedless Surprise       | 72       |        |
| Red Gft UF N40-16-11-7     | 60       |        |
| Duncan Gft F-56-33         | 45       |        |
| Total Grapefruit           | 362,992  |        |
|                            |          |        |
| Lemon                      | # Budded | % Type |
| Meyer Le US                | 150,059  | 53.71% |
| Bearss Le SPB-341-95-33    | 71,127   | 25.46% |
| Variegated Pink Le US      | 20,605   | 7.37%  |
| Eureka Le SL #2 CGIP-226   | 13,373   | 4.79%  |
| Eureka Le DPI -            | 8,491    | 3.04%  |
| Harvey Le F-41-39          | 6,465    | 2.31%  |
| Ponderosa Le DPI-203-8     | 4,407    | 1.58%  |
| Lisbon Le UF 3-9           | 2,130    | <1%    |
| Eureka Le UF 3-27          | 1,960    |        |
| Eureka Le SL CGIP-223      | 494      |        |
| Nine Pound Le DPI-201-21   | 72       |        |
| Verna Le DPI-203-20-b      | 42       |        |
| Lemon Hyb UF C4-8-3        | 30       |        |
| Acid Fruit Hyb UF C4-3-35  | 30       |        |
| Acid Fruit Hyb UF C4-5-20  | 30       |        |
| Lemon Hyb UF C4-3-4        | 31       |        |
| Lemon Hyb UF C4-4-16       | 30       |        |
| Lemon Hyb UF C4-5-14       | 30       |        |
| Total Lemon                | 279,406  |        |
|                            |          |        |
| Mandarin                   | # Budded | % Type |
| Orri CGIP-134              | 55,442   | 20.26% |
| WG Man 911-C-37            | 33,500   | 12.24% |
| Calamondin DPI-555         | 23,888   | 8.73%  |
| Minneola F-60-5            | 18,930   | 6.92%  |
| Dancy F-59-8               | 14,089   | 5.15%  |
| Owari Sat 874              | 12,979   | 4.74%  |
| W Murcott CGIP-122         | 12,830   | 4.69%  |
| Shiranui CGIP-132          | 12,677   | 4.63%  |
| Ponkan DPI-50-6            | 12,215   | 4.46%  |
| Marathon                   | 9,441    | 3.45%  |
| Sugar Belle UF LB8-9       | 8,834    | 3.23%  |
| Nules Clem CGIP-125        | 7,648    | 2.79%  |
| Early Pride US 1-62-122    | 7,077    | 2.59%  |

|                              |       |       |
|------------------------------|-------|-------|
| Sunburst US 5                | 6,766 | 2.47% |
| Owari Sat F-60-23            | 5,920 | 2.16% |
| WG Man 911-17                | 4,600 | 1.68% |
| Bingo UF 7-6-27              | 4,520 | 1.65% |
| Murcott 130-1-1S             | 2,977 | 1.09% |
| Brown Select Sat 61-0-1      | 2,353 | <1%   |
| Tango CGIP-168               | 2,083 |       |
| Odem CGIP-219                | 2,004 |       |
| Page US 2-58                 | 1,419 |       |
| Ann Sat 911                  | 1,000 |       |
| Ortanique F-24-26            | 816   |       |
| Sugar Belle LS UF 1-3        | 808   |       |
| Lee US 2-56                  | 536   |       |
| Mandarin UF 950              | 485   | <1%   |
| Orlando F-57-5               | 387   |       |
| Silver Hill Sat US           | 378   |       |
| Temple 33-6-15               | 344   |       |
| Kishu SL CGIP-137            | 303   |       |
| Nova US 7-41                 | 285   |       |
| USDA 5-51-2                  | 276   |       |
| Clementine US                | 245   |       |
| Mandarin LS US 1-22-79       | 240   |       |
| Gold Nugget CGIP-139         | 240   |       |
| Okitsu Wase Satsuma CGIP-234 | 228   |       |
| Fortune US 9E-10-23          | 180   |       |
| US Superna                   | 179   |       |
| Mandarin UF 3-3-52           | 174   |       |
| Kimbrough Sat CGIP-108       | 170   |       |
| Man X Org UF 6-2-55          | 168   |       |
| Mandarin UF 9-8-20           | 168   |       |
| Mandarin Mid UF 711          | 150   |       |
| Mandarin US 1-57-105         | 144   |       |
| Mandarin SL US 1-88-113      | 144   |       |
| Mandarin US 6-32-67          | 144   |       |
| Mandarin SL US 1-35-21       | 143   |       |
| Miho Wase Satsuma CGIP-235   | 132   |       |
| Mandarin UF 18A-1-25         | 131   |       |
| Robinson US 3-56             | 130   |       |
| Kinnow LS CGIP-193           | 120   |       |
| Mandarin UF 12-08            | 120   |       |
| Tangor UF 13-07              | 120   |       |
| Mandarin US 1-81-193         | 117   |       |
| Xie Shan Sat CGIP-163        | 110   |       |
| Mandarin UF 1859             | 105   |       |
| Fina Sodea Clem CGIP-123     | 100   |       |
| WG Man 911-03                | 96    |       |
| Mandarin US 1-63-85          | 96    |       |
| Mandalate CGIP-154           | 94    |       |
| Mandarin SL UF C4-15-21 (19) | 93    |       |
| Seedless Snack UF N40W-6-3   | 93    |       |
| Mandarin UF 13-17            | 90    |       |
| Bower Mandarin               | 80    |       |

|                            |                 |               |
|----------------------------|-----------------|---------------|
| Dobashi Sat DPI-50-28      | 60              |               |
| King 18-1-1                | 50              |               |
| Monreal Clem CGIP-109      | 48              |               |
| US Furr                    | 46              |               |
| Mandarin UF C1-1-1         | 44              |               |
| Mandarin US 1-8-96         | 41              |               |
| Mandarin UF C1-7-30        | 34              |               |
| Mandarin UF C7-12-14       | 30              |               |
| Mandarin UF C1-8-34        | 30              |               |
| Marisol Clem CGIP-124      | 30              |               |
| Mandarin UF C4-11-45       | 30              |               |
| McTeer Murcott             | 30              |               |
| Mandarin UF 18A-8-42       | 30              |               |
| Mandarin UF C7-12-19       | 30              |               |
| Osceola US 3-58            | 30              |               |
| Mandarin UF C4-14-53       | 30              |               |
| Mandarin UF C4-15-43       | 30              |               |
| Mandarin UF C4-5-50        | 30              |               |
| Cybrid Dancy KW-5-7        | 30              |               |
| Mandarin UF 18A-8-25       | 30              |               |
| Fremont US 6-49            | 30              |               |
| Mandarin UF C7-10-50       | 30              |               |
| Mandarin UF 1703           | 30              |               |
| Mandarin UF 7-9-7          | 30              |               |
| Mandarin 4x Cybrid 304 UF  | 30              |               |
| Mandarin UF 7-8-87         | 30              |               |
| Mandarin UF 304            | 30              |               |
| Mandarin UF 18A-9-27       | 30              | <1%           |
| Mandarin UF 18A-8-48       | 30              |               |
| Mandarin UF 1715           | 30              |               |
| Mandarin UF 1722           | 30              |               |
| Mandarin UF 1723           | 30              |               |
| Mandarin UF 1780           | 30              |               |
| Mandarin UF 1801           | 30              |               |
| Mandarin UF 1818           | 30              |               |
| Mandarin UF 18A-4-46       | 30              |               |
| Mandarin UF 18A-2-31       | 30              |               |
| Man Hyb UF VNB-40-4        | 30              |               |
| Man Hyb UF VNB-36-4        | 30              |               |
| Variegated Minneola F-2-4  | 30              |               |
| Keraji DPI-50-38-3         | 24              |               |
| <b>Total Mandarin</b>      | <b>273,691</b>  |               |
|                            |                 |               |
| <b>Lime</b>                | <b># Budded</b> | <b>% Type</b> |
| Key Lime SPB-51-12         | 118,594         | 62.40%        |
| Persian Lime SPB-7         | 50,841          | 26.75%        |
| Kaffir Lime UF             | 17,478          | 9.20%         |
| Red Lime 899               | 2,067           | 1.09%         |
| Key Lime Thornless F-59-39 | 814             | <1%           |
| Kaffir Lime DPI-203-11     | 240             |               |
| Lime Hyb UF C4-10-8        | 30              |               |
| <b>Total Lime</b>          | <b>190,064</b>  |               |
|                            |                 |               |

|                                     |                 |               |
|-------------------------------------|-----------------|---------------|
| <b>Finger Lime</b>                  | <b># Budded</b> | <b>% Type</b> |
| Finger Lime DPI-205-1               | 9,974           | 43.63%        |
| Red Finger Lime DPI-50-36           | 8,559           | 37.44%        |
| Finger Lime Giant DPI-205-4         | 3,949           | 17.27%        |
| Australian Finger Lime 697 CGIP-233 | 200             | <1%           |
| Sydney Hyb US                       | 180             |               |
| <b>Total Finger Lime</b>            | <b>22,862</b>   |               |
|                                     |                 |               |
| <b>Pummelo</b>                      | <b># Budded</b> | <b>% Type</b> |
| Hirado Pum US 1-65                  | 9,684           | 62.24%        |
| Red Pum UF KW-1-50                  | 3,206           | 20.61%        |
| Pummelo Hyb UF 914                  | 1,768           | 11.36%        |
| Pummelo Hyb UF C2-5-03              | 204             | 1.31%         |
| Pummelo Hyb UF C4-10-36             | 203             | 1.30%         |
| Oroblanco CGIP-111                  | 180             | 1.16%         |
| Red Pum UF 5-1-99-5                 | 84              | <1%           |
| Pummelo UF 23-5-36                  | 30              |               |
| Siamese Swt Pum DPI-203-16          | 30              |               |
| Red Pum UF C4-2-8                   | 30              |               |
| Pummelo Hyb UF 3-1-22               | 30              |               |
| Pummelo Hyb UF 3-1-21               | 30              |               |
| Nakon Pum US                        | 30              |               |
| Pummelo Hyb UF 3-1-43               | 30              |               |
| Siamese Pink Pum UF 6-12A           | 10              |               |
| Pink Sensation Pum 884              | 10              |               |
| <b>Total Pummelo</b>                | <b>15,559</b>   |               |
|                                     |                 |               |
| <b>Kumquat</b>                      | <b># Budded</b> | <b>% Type</b> |
| Meiwa Kum F-27-29                   | 6,680           | 51.79%        |
| Long Fruit Kum DPI-603-20-50        | 3,384           | 26.24%        |
| Centennial Kum US                   | 1,754           | 13.60%        |
| Nagami Kum SPB-323-1-1              | 1,080           | 8.37%         |
| <b>Total Kumquat</b>                | <b>12,898</b>   |               |
|                                     |                 |               |
| <b>Other Quat</b>                   | <b># Budded</b> | <b>% Type</b> |
| Lakeland Lqt F-55-26                | 7,377           | 98.83%        |
| Eustis Lqt US 16-6-12               | 50              | <1%           |
| Sunquat DPI-50-27                   | 30              |               |
| Orangequat Hyb DPI-203-5            | 30              |               |
| <b>Total Other Quat</b>             | <b>7,487</b>    |               |
|                                     |                 |               |
| <b>Other Citrus</b>                 | <b># Budded</b> | <b>% Type</b> |
| Salad Tree                          | 1,760           | 43.02%        |
| Sanbokan US 7-55                    | 1,642           | 40.14%        |
| Yuzu F-9-15                         | 612             | 14.96%        |
| C latipes DPI-203-19                | 42              | 1.03%         |
| Eremocitrus US                      | 15              | <1%           |
| Bouquet De Fleurs UF 18             | 10              |               |
| Ichang Le US 2-33                   | 10              |               |
| <b>Total Other Citrus</b>           | <b>4,091</b>    |               |
|                                     |                 |               |

| Rootstock                   | # Budded     | % Type |
|-----------------------------|--------------|--------|
| UFR-04 Orange19             | 600          | 22.23% |
| US-812                      | 438          | 16.23% |
| Swingle US 22-55            | 413          | 15.30% |
| US-942                      | 390          | 14.45% |
| Rangpur Lime F-3-8          | 256          | 9.48%  |
| Sour Orange F-49-7          | 198          | 7.34%  |
| Rangpur Li SPB-207          | 72           | 2.67%  |
| Willits US 12-8-19          | 57           | 2.11%  |
| C-54 Carpenter UF           | 48           | 1.78%  |
| SuperSour 3                 | 40           | 1.48%  |
| US-1516                     | 36           | 1.33%  |
| US-802                      | 36           | 1.33%  |
| UFR-17 Green2               | 30           | 1.11%  |
| Sweet Lime F-10-10          | 30           | 1.11%  |
| Kuharske 100-1-10           | 20           | <1%    |
| Flying Dragon US            | 20           |        |
| Kiella Calusa S/O DPI-666-4 | 15           |        |
| <b>Total Rootstock</b>      | <b>2,699</b> |        |

**Florida Department of Agriculture and Consumer Services**  
**Division of Plant Industry**  
**Bureau of Citrus Budwood Registration**  
**3027 Lake Alfred Road (Hwy 17), Winter Haven, FL 33881-1438**  
**Phone (863) 298-3045**

| Location  | Variety Clone              | Rootstock      | Date Set  | Comments |
|-----------|----------------------------|----------------|-----------|----------|
| ARB-01-01 | Mandarin UFDawn 09-13      | US-897         | 3/31/2016 |          |
| ARB-01-02 | W Murcott CGIP-122         | FDT            | 3/31/2011 |          |
| ARB-01-03 | US Furr-ST                 | KJ             | 3/31/2011 |          |
| ARB-01-04 | Tango CGIP-168             | S/O            | 4/2/2014  |          |
| ARB-01-05 | Kishu SL CGIP-137          | S/O            | 3/31/2011 |          |
| ARB-01-06 | Cleopatra F-1-7            | OWN            | 3/2/1978  |          |
| ARB-01-07 | Sun Chu Sha US 9-12-12     | US-897         | 3/30/2020 |          |
| ARB-01-08 | Nasnaran DPI-50-49         | CLEO           | 7/17/1991 |          |
| ARB-01-09 | Shekwasha US 9-1-27        | FDT            | 7/9/2012  |          |
| ARB-01-10 | Batangus US 10-45          | KJ             | 2/26/2020 |          |
| ARB-01-11 | Fremont US 6-49            | 2247x2075-01-2 | 3/4/2020  |          |
| ARB-01-12 | Sunki DPI-50-50            | US-897         | 3/31/2016 |          |
| ARB-01-13 | Mandarin UF 13-09          | VOLK           | 5/19/2021 |          |
| ARB-01-14 | Mandarin UFGlow 10-02      | US-897         | 4/6/2020  |          |
| ARB-02-01 | Mandarin UFSunrise 09-04   | US-897         | 3/31/2016 |          |
| ARB-02-02 | Mandarin Mid UF 711        | BS             | 3/3/2020  |          |
| ARB-02-03 | Orri CGIP-134              | US-897         | 4/2/2014  |          |
| ARB-02-04 | Tahoe Gold CGIP-140        | KJ             | 3/31/2011 |          |
| ARB-02-05 | Gold Nugget CGIP-139       | KJ             | 3/31/2011 |          |
| ARB-02-06 | Tami CGIP-145              | KJ             | 3/31/2011 |          |
| ARB-02-07 | Owari Sat F-60-25B         | KJ             | 6/14/2004 |          |
| ARB-02-08 | Silver Hill Sat US         | KJ             | 4/2/2014  |          |
| ARB-02-09 | Ponkan DPI-50-6            | S/O            | 5/26/2010 |          |
| ARB-02-10 | Fallglo US 10-61-3         | KJ             | 6/14/2004 |          |
| ARB-03-01 | Summer Gold Gft UF N2-28   | US-897         | 3/31/2016 |          |
| ARB-03-02 | Isle O Pine Gft US         | CLEO           | 4/11/1990 |          |
| ARB-03-03 | Royal Gft US 4-39          | FDT            | 8/11/2014 |          |
| ARB-03-04 | Siamese Pum UF 6-9A        | CLEO           | 6/15/1978 |          |
| ARB-03-05 | Star Ruby Gft DPI-60       | S/O            | 6/12/2019 |          |
| ARB-03-06 | US Seedless Surprise       | S/O            | 7/14/2021 |          |
| ARB-03-07 | Dobashi Sat DPI-50-28      | OWN            | 9/11/1997 |          |
| ARB-03-08 | Early Pride US 1-62-122    | US-897         | 3/31/2016 |          |
| ARB-03-09 | Seedless Snack UF N40W-6-3 | US-897         | 3/31/2016 |          |
| ARB-03-10 | Minneola F-60-5            | KJ             | 10/4/1994 |          |
| ARB-03-11 | Minneola F-60-5            | FDT            | 4/2/2014  |          |
| ARB-03-12 | Minneola F-60-5            | S/O            | 6/12/2019 |          |
| ARB-03-13 | Mandarin UF 411            | US-897         | 3/31/2016 |          |
| ARB-03-14 | Nocatee F-25-26            | KJ             | 3/16/2000 |          |
| ARB-03-15 | Cipo US 10A-7-10           | GT             | 9/11/1997 |          |
| ARB-04-01 | Red Pum UF C2-5-12         | US-897         | 3/31/2016 |          |
| ARB-04-02 | Red Pum UF 5-1-99-5        | US-897         | 3/31/2016 |          |

| Location  | Variety Clone                  | Rootstock      | Date Set  | Comments |
|-----------|--------------------------------|----------------|-----------|----------|
| ARB-04-03 | Red Pum UF C4-11-19            | SWG            | 9/1/2020  |          |
| ARB-04-04 | Red Shaddock UF 5-4A           | CLEO           | 4/11/1990 |          |
| ARB-04-05 | Red Pum UF UKP-1               | SWG            | 9/1/2020  |          |
| ARB-04-06 | Ruby Red Gft -                 | SWG            | 6/12/2019 |          |
| ARB-04-07 | Pummelette UF 5-1-99-2         | US-897         | 3/5/2020  |          |
| ARB-04-08 | Early Pride US 1-62-122        | US-942         | 6/12/2019 |          |
| ARB-04-09 | Ponderosa Le DPI-203-8         | VOLK           | 3/10/2021 |          |
| ARB-04-10 | Variegated Pink Le US          | 2247x2075-01-2 | 3/30/2020 |          |
| ARB-04-11 |                                |                |           | Vacant   |
| ARB-04-12 | Nova US 7-41                   | KJ             | 4/14/1999 |          |
| ARB-04-13 | Page US 2-58                   | KJ             | 4/2/2014  |          |
| ARB-04-14 | Mandarin UF 950                | US-897         | 3/31/2016 |          |
| ARB-04-15 | Dweet Tangor F-8-18            | CLEO           | 7/17/1991 |          |
| ARB-04-16 | Murcott 130-1-1S               | FDT            | 4/2/2014  |          |
| ARB-05-01 |                                |                |           | Vacant   |
| ARB-05-02 | Kao Phuang Pum UF 5-2          | CLEO           | 4/11/1990 |          |
| ARB-05-03 | Le Pum 748-32                  | KJ             | 3/16/2000 |          |
| ARB-05-04 | Hirado Pum 939-10              | KJ             | 5/26/2010 |          |
| ARB-05-05 | Siamese Pink Pum UF 6-12A      | KJ             | 4/14/1999 |          |
| ARB-05-06 | Shambar Gft US 3-63            | FDT            | 4/2/2014  |          |
| ARB-05-07 | Duncan Gft F-57-19             | S/O            | 6/3/2020  |          |
| ARB-05-08 | Citron DPI-201                 | KJ             | 5/26/2010 |          |
| ARB-05-09 | Nine Pound Le DPI-201-21       | KJ             | 4/2/2014  |          |
| ARB-05-10 | Volkamer Le US 9-2-19          | CLEO           | 7/17/1991 |          |
| ARB-05-11 | Harvey Le F-41-39              | S/O            | 6/12/2019 |          |
| ARB-05-12 | Rough Le Estes SPB-602         | S/O            | 5/26/2010 |          |
| ARB-05-13 | Rough Le Red UF 8-7            | KJ             | 3/31/2011 |          |
| ARB-05-14 | Bangladesh Le DPI-633-1        | VOLK           | 2/25/2020 |          |
| ARB-05-15 | Vangasay Le US 9-1-23          | S/O            | 3/31/2020 |          |
| ARB-05-16 | Daisy CGIP-120                 | CLEO           | 8/27/2020 | Reset    |
| ARB-05-17 | Valencia SPB-1-14-19           | BS             | 6/1/2019  |          |
| ARB-05-18 | King 18-1-1                    | BS             | 4/1/2020  |          |
| ARB-06-01 | US Seedless Surprise           | VOLK           | 7/14/2021 |          |
| ARB-06-02 | Jackson Gft DPI-16             | US-897         | 4/2/2014  |          |
| ARB-06-03 | Large Pink Pum US 6-57         | KJ             | 6/14/2004 |          |
| ARB-06-04 | Siamese Swt Pum DPI-203-16     | KJ             | 6/14/2004 |          |
| ARB-06-05 | Flame Gft US 1-26-71           | SWG            | 6/12/2019 |          |
| ARB-06-06 | Ray Ruby Gft CGIP-103          | SWG            | 6/12/2019 |          |
| ARB-06-07 | Ray Ruby Gft CGIP-103          | SWG            | 4/2/2014  |          |
| ARB-06-08 | Citron DPI-201                 | KJ             | 4/17/2009 |          |
| ARB-06-09 | Etrog Citron DPI-223-861       | OWN            | 6/3/2005  |          |
| ARB-06-10 | Garrett B/O DPI-666-1          | VOLK           | 6/8/2020  |          |
| ARB-06-11 | Garrett B/O DPI-666-2          | BS             | 6/17/2020 |          |
| ARB-06-12 | Garrett B/O DPI-666-3          | S/O            | 6/11/2020 |          |
| ARB-06-13 | Sweet Orange UF OLL8           | UFR-04         | 9/2/2020  |          |
| ARB-06-14 | Variegated Rough Le US 10-6-11 | S/O            | 3/1/2021  |          |

| Location  | Variety Clone               | Rootstock      | Date Set  | Comments |
|-----------|-----------------------------|----------------|-----------|----------|
| ARB-06-15 | Variegated Cara Blush 941-4 | OWN            | 4/7/2020  |          |
| ARB-06-16 | Wekiwa US 11-7              | KJ             | 6/9/2010  |          |
| ARB-06-17 | Succari US 7-21             | S/O            | 3/31/2020 |          |
| ARB-06-18 | White Tangelo 956-1         | KJ             | 7/9/2012  |          |
| ARB-07-01 | Sunstar US 6-6              | FDT            | 4/16/2003 |          |
| ARB-07-02 | Liang Ping Pum UF 8811      | CLEO           | 7/17/1991 |          |
| ARB-07-03 | Pummelo UF N7-4             | US-897         | 3/31/2016 |          |
| ARB-07-04 | Pink Pum Hyb US 10-1-1      | CLEO           | 7/17/1991 |          |
| ARB-07-05 | Pandan Wangi Pum US         | CLEO           | 7/17/1991 |          |
| ARB-07-06 | Ichang Papeda US 42         | OWN            | 4/17/2009 |          |
| ARB-07-07 | Ichang Le US 2-33           | KJ             | 3/16/2000 |          |
| ARB-07-08 | Mel Papeda US               | FDT            | 9/20/2012 |          |
| ARB-07-09 | Kaffir Lime UF              | CLEO           | 7/17/1991 |          |
| ARB-07-10 | Meyer Le SPB-199-1-1        | CLEO           | 7/17/1991 |          |
| ARB-07-11 | Lisbon Le UF 3-9            | US-897         | 3/31/2016 |          |
| ARB-07-12 | Sweet Orange UF OLL4        | UFR-04         | 9/2/2020  |          |
| ARB-07-13 | Baboon Le US 2-25           | FDT            | 3/31/2011 |          |
| ARB-07-14 | Bearss Le SPB-341-95-33     | SWG            | 3/16/2000 |          |
| ARB-07-15 | Ugli DPI-74                 | KJ             | 4/14/1999 |          |
| ARB-07-16 | Sweet Orange SL UF C4-16-12 | US-897         | 3/3/2020  |          |
| ARB-07-17 | Temple 33-6-15              | US-897         | 3/31/2016 |          |
| ARB-07-18 |                             |                |           | Vacant   |
| ARB-07-19 | Dancy F-59-8                | S/O            | 5/19/2021 |          |
| ARB-08-01 | US-942                      | VOLK           | 3/1/2021  |          |
| ARB-08-02 | Crisafulli Navel 956-6      | US-897         | 4/2/2014  |          |
| ARB-08-03 | Kuharske 100-1-10           | KJ             | 4/14/1999 |          |
| ARB-08-04 | Madam Vinous UF 13          | US-897         | 4/6/2021  |          |
| ARB-08-05 | Flying Dragon US            | OWN            | 4/17/2009 |          |
| ARB-08-06 | P Tri DPI-50-7              | OWN            | 7/21/1986 |          |
| ARB-08-07 | Buddhas Hand F-8-7          | KJ             | 3/31/2016 |          |
| ARB-08-08 | Chinotto S/O US 8-41        | SCS            | 7/10/2015 |          |
| ARB-08-09 | Meyer Lemon -               | S/O            | 6/12/2019 |          |
| ARB-08-10 | Sundiatgo US 5-17           | KJ             | 7/9/2012  |          |
| ARB-08-11 | Sanboka US 7-55             | KJ             | 6/14/2004 |          |
| ARB-08-12 | Hyuganatsu US 12-43         | SCS            | 8/1/1994  |          |
| ARB-08-13 | Everbearing Le US 9-1-64    | KJ             | 7/9/2012  |          |
| ARB-08-14 | Calamandarin F-9-14         | CLEO           | 4/14/1999 |          |
| ARB-08-15 | Yuzu F-9-15                 | KJ             | 7/21/2000 |          |
| ARB-08-16 | Parson Special CGIP-101     | CLEO           | 3/16/2000 |          |
| ARB-08-17 | Yosemite Gold CGIP-141      | US-897         | 3/31/2020 |          |
| ARB-08-18 | Dancy F-59-8                | SCS            | 6/14/2004 |          |
| ARB-09-01 | Itaborai UF 31-6            | FDT            | 4/16/2003 |          |
| ARB-09-02 | Nagami Kum SPB-323-1-1      | CLEO           | 3/2/1978  |          |
| ARB-09-03 | Sinton Citrqt US            | US-812         | 6/3/2005  |          |
| ARB-09-04 | Centennial Kum US           | 2247x2075-01-2 | 2/27/2020 |          |
| ARB-09-05 | P Tri DPI-50-7              | VOLK           | 6/18/2020 |          |

| Location  | Variety Clone                                   | Rootstock | Date Set   | Comments                          |
|-----------|-------------------------------------------------|-----------|------------|-----------------------------------|
| ARB-09-06 | Nordmann Kum DPI-203-1                          | KJ        | 4/2/2014   |                                   |
| ARB-09-07 | Marumi Kum DPI-50-47                            | FDT       | 8/11/2014  |                                   |
| ARB-09-08 | Procimequat UF                                  | OWN       | 4/30/2010  |                                   |
| ARB-09-09 | Torregrossa US 7-3                              | FDT       | 7/21/2000  |                                   |
| ARB-09-10 | Limeberry DPI-50-43                             | OWN       | 5/26/2010  |                                   |
| ARB-09-11 | Rangpur Lime F-3-8                              | FDT       | 4/17/2009  |                                   |
| ARB-09-12 | Sweet Lime F-10-10                              | KJ        | 4/14/1999  |                                   |
| ARB-09-13 | Lakeland Lqt F-55-26                            | CLEO      | 7/17/1991  |                                   |
| ARB-09-14 | Orangequat Hyb DPI-203-5                        | SFS       | 4/25/1997  |                                   |
| ARB-09-15 | Sunquat DPI-50-27                               | GT        | 6/14/2004  |                                   |
| ARB-09-16 |                                                 |           |            | Vacant                            |
| ARB-09-17 | Fina Sodea Clem CGIP-123                        | S/O       | 8/24/2020  | Reset                             |
| ARB-09-18 | Monreal Clem CGIP-109                           | SWG       | 6/14/2004  |                                   |
| ARB-09-19 | Keraji DPI-50-38-3                              | OWN       | 7/9/2012   |                                   |
| ARB-09-20 |                                                 |           |            | Vacant                            |
| ARB-10-01 | Westin UF 47-2                                  | FDT       | 4/16/2003  |                                   |
| ARB-10-02 | Microcitrus Inodor US 80-527A                   | KJ        | 2/25/2020  |                                   |
| ARB-10-03 | Glen Navel F-56-11                              | US-942    | 6/12/2019  |                                   |
| ARB-10-04 | Finger Lime Giant<br>(possible Sydney Relative) | OWN       | 6/27/2012  |                                   |
| ARB-10-05 | Sydney Hyb US                                   | FDT       | 6/27/2012  |                                   |
| ARB-10-06 | Microcitrus Papuana US                          | US-812    | 7/10/2015  |                                   |
| ARB-10-07 | Finger Lime Giant DPI-205-4                     | VOLK      | 1/9/2020   |                                   |
| ARB-10-08 | Finger Lime DPI-205-1                           | SWG       | 1/9/2020   |                                   |
| ARB-10-09 |                                                 |           |            | Vacant                            |
| ARB-10-10 | Microcitrus Papuana US                          | US-812    | 5/26/2010  |                                   |
| ARB-10-11 |                                                 |           |            | Vacant                            |
| ARB-10-12 | Red Finger Lime DPI-50-36                       | OWN       | 5/26/2010  |                                   |
| ARB-10-13 | Eustis Lqt US 16-6-12                           | CLEO      | 8/12/2020  | Reset                             |
| ARB-10-14 | Key Lime SPB-51-12                              | FDT       | 7/9/2012   |                                   |
| ARB-10-15 | Persian Lime SPB-7                              | US 897    | 10/17/2016 |                                   |
| ARB-10-16 | Key Lime SPB-51-12                              | KUH       | 7/9/2012   |                                   |
| ARB-10-17 | Round Lime DPI-205-2                            | CLEO      | 3/5/2020   |                                   |
| ARB-10-18 | Key Lime Thornless F-59-39                      | KJ        | 8/11/2014  |                                   |
| ARB-10-19 | Persian Lime SPB-7                              | S/O       | 6/6/2016   |                                   |
| ARB-10-20 |                                                 |           |            |                                   |
| ARB-10-21 | Orange Jasmine                                  | OWN       | 10/23/2019 | Murraya Paniculata;<br>Ornamental |
| ARB-11-01 | Earlygold UF 33-4                               | FDT       | 4/16/2003  |                                   |
| ARB-11-02 | Valquarius                                      |           | 6/12/2019  |                                   |
| ARB-11-03 | C moi F-11-8W                                   | S/O       | 5/26/2010  |                                   |
| ARB-11-04 | Pineapple SL US 10B-6-30                        | KJ        | 10/4/1994  |                                   |
| ARB-11-05 | Raratonga Swt US                                | SWG       | 2/21/1992  |                                   |
| ARB-11-06 | Florida EV2 UF SF14W-65                         | SWG       | 6/12/2019  |                                   |
| ARB-11-07 | Florida EV1 UF B7-70                            | SWG       | 6/12/2019  |                                   |
| ARB-11-08 | Valencia SPB-1-14-19                            | FDT       | 9/11/1997  |                                   |
| ARB-11-09 | Valencia F-55-4                                 | FDT       | 9/11/1997  |                                   |

| Location  | Variety Clone                 | Rootstock | Date Set   | Comments                          |
|-----------|-------------------------------|-----------|------------|-----------------------------------|
| ARB-11-10 | Willowleaf S/O F-12-9         | OWN       | 6/13/1980  |                                   |
| ARB-11-11 | Natsumikan DPI-50-48          | OWN       | 5/1/1980   |                                   |
| ARB-11-12 | Kinkoji DPI-50-44             | OWN       | 5/1/1980   |                                   |
| ARB-11-13 | Smooth Flat Sev US 2-2-14     | KJ        | 4/14/1999  |                                   |
| ARB-11-14 | Corniculata DPI-50-35         | OWN       | 6/9/2010   |                                   |
| ARB-11-15 | Orange Jasmine                | OWN       | 10/23/2019 | Murraya Paniculata;<br>Ornamental |
| ARB-12-01 | Cadenera US 5-15              | KJ        | 5/26/2010  |                                   |
| ARB-12-02 | Homosassa 56-10-28            | CLEO      | 6/14/2004  |                                   |
| ARB-12-03 | Mediterranean Swt F-58-38     | SFS       | 4/14/1999  |                                   |
| ARB-12-04 | Parson Brown F-56-2           | KJ        | 9/11/1997  |                                   |
| ARB-12-05 | Enterprise 609-14-17          | US-897    | 7/9/2012   |                                   |
| ARB-12-06 | Vernia UF 35-15               | US-942    | 6/12/2019  |                                   |
| ARB-12-07 | Jaffa F-53-38                 | KJ        | 4/17/2009  |                                   |
| ARB-12-08 | Sugar Belle UF LB8-9          | S/O       | 9/24/2020  | Reset                             |
| ARB-12-09 | Bigaradier Apepu S/O US 13-39 | MIL       | 3/26/1981  |                                   |
| ARB-12-10 | Bittersweet SPB-400-40-179N   | US-812    | 6/3/2005   |                                   |
| ARB-12-11 | Variegated S/O US 18-4        | US-812    | 6/3/2005   |                                   |
| ARB-12-12 | Sour Orange F-49-7            | US-812    | 7/9/2012   |                                   |
| ARB-12-13 | Bouquet De Fleurs UF 18       | SFS       | 4/14/1999  |                                   |
| ARB-13-01 | Gardner US 6-16               | KJ        | 6/3/2005   |                                   |
| ARB-13-02 | Wild Turkey Navel 941-11-30-1 | KJ        | 5/26/2010  |                                   |
| ARB-13-03 | Pera US 7-39                  | KJ        | 7/21/2000  |                                   |
| ARB-13-04 | Roble 502-4-12                | KJ        | 4/16/2003  |                                   |
| ARB-13-05 | Pope F-53-28                  | SFS       | 4/14/1999  |                                   |
| ARB-13-06 | Midsweet US 6-9               | 80-5      | 7/31/2000  |                                   |
| ARB-13-07 | Goutou US-1                   | R/L       | 7/3/1985   |                                   |
| ARB-13-08 | Zhu Luan DPI-50-21            | OWN       | 4/11/1990  |                                   |
| ARB-13-09 | Nansho Daidai DPI-50-45       | CLEO      | 4/6/2020   |                                   |
| ARB-13-10 |                               |           |            |                                   |
| ARB-14-01 | Akcaý Sekeri 3-3-10           | FDT       | 4/16/2003  |                                   |
| ARB-14-02 | Dream Navel DPI-58            | FDT       | 4/17/2009  |                                   |
| ARB-14-03 | Navelo 81-16-15               | FDT       | 5/7/2009   |                                   |
| ARB-14-04 | Santa Cat Navel US 1          | KJ        | 3/16/2000  |                                   |
| ARB-14-05 | Thomson Navel US 4-5          | KJ        | 6/27/1996  |                                   |
| ARB-14-06 | Cara Cara Navel CGIP-104      | OR/TA     | 8/18/1986  |                                   |
| ARB-14-07 | Pineapple 1-27-11             | X-639     | 4/25/1997  |                                   |
| ARB-14-08 | Ruby Swt (35) UF              | SWG       | 10/4/1994  |                                   |
| ARB-15-01 |                               |           |            | Vacant                            |
| ARB-15-02 | Marmelos F-16-1               | OWN       | 6/5/1987   |                                   |
| ARB-15-03 | Afraegle F-16-2               | OWN       | 4/11/1990  |                                   |
| ARB-15-04 | Gabonensis F-16-3             | OWN       | 4/11/1990  |                                   |
| ARB-15-05 | Cara Cara Navel CGIP-104      | C-35      | 8/11/2014  |                                   |
| ARB-16-01 | C excelsa US 60-169-502       | S/O       | 5/26/2010  |                                   |
| ARB-16-02 | Curry Leaf DPI-50-51          | OWN       | 9/22/1979  |                                   |

| Location   | Variety Clone                 | Rootstock | Date Set   | Comments        |
|------------|-------------------------------|-----------|------------|-----------------|
| ARB-16-03  | Afraegle F-16-2               | OWN       | 4/11/1990  |                 |
| ARB-17-01  | Calamondin DPI-555            | SCS       | 3/31/2016  |                 |
| ARB-17-02  | Jackfruit                     | OWN       | 3/1/2019   | 4 Trees         |
| ARB-17-03  | Glycosmis F-17.5-2            | OWN       | 3/1/1978   |                 |
| ARB-17-04  | Atalantia US 11-8-76          | OWN       | 8/20/1992  |                 |
| ARB-17-05  | Hesperethusa UF               | OWN       | 9/28/1990  |                 |
| ARB-17-06  | Hesperethusa UF               | OWN       | 9/28/1990  |                 |
| ARB-17-07  | Hercules F-17-75              | OWN       |            | Volunteer PLANT |
| ARB-17-08  | Buxifolia DPI-50-40           | OWN       | 12/11/2019 |                 |
| ARB-18-01  | Eremocitrus US                | SFS       | 5/8/1992   |                 |
| ARB-18-02  | Hercules F-17-75              | OWN       | 9/11/1987  |                 |
| ARB-18-03  | Prickly Ash F-17-8            | OWN       | 4/20/1988  |                 |
| ARB-18-04  | Hamlin -                      |           | 6/12/2019  |                 |
| ARB-18-05  | Cara Cara Navel CGIP-104      |           | 6/12/2019  |                 |
| ARB-19-01  |                               |           |            |                 |
| ARB-19-02  | Thomasville Citrqt US 1-20    | KJ        | 4/25/1997  |                 |
| ARB-19-03  | Bouquet De Fleurs UF 18       |           |            |                 |
| ARB-19-04  | Rohde Red 472-11-43           | KJ        | 6/14/2004  |                 |
| ARB-19-05  | Valencia -                    |           | 6/12/2019  |                 |
| ARB-19-06  | Akcaj Sekeri 3-3-10           | UNK       | 11/18/2020 |                 |
| ARB-20-01  | Pamburus US                   | OWN       | 8/18/1983  |                 |
| ARB-20-02  | Bouquet De Fleurs UF 18       |           |            |                 |
| ARB-20-03  | Sea Amyris F-19-7             | OWN       | 8/18/1986  |                 |
| ARB-20-04  | Wild Turkey Navel 941-11-30-1 | KJ        | 3/31/2011  |                 |
| ARB-20-05  | Lane Navel CGIP-121           | KJ        | 4/14/1999  |                 |
| ARB-20-06  | Bahianinha Navel US 9-6-47    | KJ        | 4/2/2014   |                 |
| ARB-21-01  | Sapote W W US                 | OWN       | 10/6/1981  |                 |
| ARB-21-02  | Sapote W F-20-7               | OWN       | 5/1/1978   |                 |
| ARB-21-03  | Sapote W DPI-204              | OWN       | 8/18/1983  |                 |
| ARB-21-04  | Budd B/O DPI-82               | VOLK      | 4/27/2021  |                 |
| ARB-21-05  | Midnight CGIP-119             | US-897    | 7/9/2012   |                 |
| ARB-21-06  |                               |           |            | Vacant          |
| ARB-21-07  | Tresca US 10C-2-4             | KJ        | 7/9/2012   |                 |
| ARB-21-08  | Tarocco B/O UF 30-37          | KJ        | 6/27/1996  |                 |
| ARB-21-09  | Sanguinelli B/O US 10-5-17    | US-897    | 7/9/2012   |                 |
| ARB-OFF-01 | Chinotto S/O US 8-41          | SCS       | 4/2/2014   |                 |
| ARB-OFF-02 | Procimequat UF                | OWN       | 3/1/1978   | Two Trees       |
| ARB-OFF-03 | Procimequat UF                | VOLK      | 6/22/2021  |                 |
| ARB-OFF-03 |                               |           |            | Vacant          |
| ARB-OFF-04 | Hong Kong Kum US 10-2         | OWN       | 8/11/2014  |                 |
| ARB-OFF-05 | Meiwa Kum F-27-29             | US-897    | 6/17/2020  |                 |
| ARB-OFF-06 | Round Lime DPI-205-2          | S/O       | 8/25/2020  | Reset           |
| ARB-OFF-07 | Long Fruit Kum DPI-603-20-50  | CLEO      | 2/5/1992   |                 |
| ARB-OFF-08 | Crassifolia Kum CGIP-105      | R/L       | 7/17/1991  |                 |
| ARB-OFF-09 |                               |           |            | Vacant          |

| Location   | Variety Clone             | Rootstock | Date Set  | Comments |
|------------|---------------------------|-----------|-----------|----------|
| ARB-OFF-10 |                           |           |           | Vacant   |
| ARB-OFF-11 |                           |           |           | Vacant   |
| ARB-OFF-12 | Limeberry DPI-50-43       | OWN       | 9/9/9999  |          |
| ARB-OFF-13 | Red Finger Lime DPI-50-36 | OWN       | 8/11/2014 |          |
| ARB-OFF-14 | Meiwa Kum F-27-29         | CLEO      | 3/16/2000 |          |
| ARB-OFF-15 |                           |           |           | Vacant   |
| ARB-OFF-16 |                           |           |           | Vacant   |
| ARB-OFF-17 | Chinotto S/O US 8-41      | SCS       | 7/9/2012  |          |
| ARB-POT-04 | Chinotto S/O US 8-41      | VOLK      | 6/22/2021 |          |
| ARB-POT-05 | Nordmann Kum DPI-203-1    | VOLK      | 4/10/2020 |          |
| ARB-POT-06 | Hong Kong Kum US 10-2     | US-897    | 4/7/2020  |          |
| ARB-POT-07 | Eremocitrus x Shekwa      | OWN       | 4/10/2020 |          |

## Budwood Availability

Some varieties are unavailable as they are not yet released; others may only be available to nurseries with license agreements.

| Budwood Availability                | Scion Trees |         | Chiefland Trees |            |
|-------------------------------------|-------------|---------|-----------------|------------|
| Variety Clone                       | # Part      | # Trees | # Trees         | Restricted |
| A+FD UF 19-11-10                    |             |         | 1               | ®          |
| A+Volk UF 19-11-31                  |             |         | 1               | ®          |
| Abers S/O US 8-35                   | 1           | 8       | 1               |            |
| Acid Fruit Hyb UF C4-15-8           |             |         | 1               | ®          |
| Acid Fruit Hyb UF C4-3-35           |             |         | 1               | ®          |
| Acid Fruit Hyb UF C4-5-20           |             |         | 1               | ®          |
| Acid Fruit Hyb UF C4-8-40           |             |         | 1               | ®          |
| Akcaay Sekeri 3-3-10                |             |         | 1               |            |
| Ambersweet US 10-14-65              | 1           | 1       |                 |            |
| Ambersweet US 10-5-65               | 1           | 1       | 3               |            |
| Ann Sat 911                         | 1           | 1       |                 |            |
| Atalantia US 11-8-76                |             |         | 1               |            |
| Atwood Navel CGIP-201               |             |         | 2               |            |
| Australian Finger Lime 697 CGIP-233 |             |         | 4               |            |
| Avana 4N CGIP-189                   |             |         | 2               |            |
| Baboon Le US 2-25                   |             |         | 1               |            |
| Bahianinha Navel US 9-6-47          |             |         | 9               |            |
| Bangladesh Le DPI-633-1             |             |         | 1               |            |
| Barao UF 135                        |             |         | 1               | ®          |
| Bearss Le SPB-341-95-33             | 5           | 15      | 7               |            |
| Benton UF                           | 1           | 5       | 1               |            |
| Bergamot US 9-12-15                 |             |         | 1               |            |
| Berna UF                            |             |         | 2               | ®          |
| Bigaradier Apepu S/O US 13-39       |             |         | 1               |            |
| Bingo UF 7-6-27                     | 6           | 53      | 5               | ®          |
| Bittersweet F-21-14                 | 1           | 5       |                 |            |
| Bloomsweet Gft DPI-50-38-1          |             |         | 1               |            |
| Blue Lake Orange 956-2              |             |         | 1               | ®          |
| Bouquet De Fleurs UF 18             |             |         | 1               |            |
| Bower Mandarin                      |             |         | 1               |            |
| Bower Mandarin                      |             |         | 1               | ®          |
| Brazilian Le US 3-18                |             |         | 1               |            |
| Brown Select Sat 61-0-1             | 1           | 1       | 3               |            |
| Budd B/O DPI-82                     | 1           | 1       | 3               |            |
| Buddhas Hand F-8-7                  | 1           | 2       | 1               |            |
| Burgundy Gft 416-7-1                |             |         | 1               |            |
| C-146 UF                            | 3           | 82      | 2               |            |
| C-22 Bitters UF                     | 3           | 54      | 2               |            |
| C-54 Carpenter UF                   | 4           | 341     | 2               |            |
| C-57 Furr UF                        | 3           | 85      | 2               | ®          |
| C5282 CGIP-153                      |             |         | 2               | ®          |
| Cadenera US 5-15                    |             |         | 1               |            |
| Calamandarin F-9-14                 |             |         | 1               |            |
| Calamondin DPI-555                  | 4           | 20      | 4               |            |
| Cambria Navel CGIP-179              | 1           | 4       | 2               |            |
| Cameron Le US                       |             |         | 1               |            |
| Cara Cara Navel CGIP-104            | 5           | 12      | 14              |            |

| Budwood Availability         | Scion Trees |         | Chiefland Trees |            |
|------------------------------|-------------|---------|-----------------|------------|
| Variety Clone                | # Part      | # Trees | # Trees         | Restricted |
| Carney Orange DPI-229-2      | 2           | 3       | 2               |            |
| Carney Orange DPI-229-3      | 3           | 7       | 1               |            |
| Carrizo-Mthionin-1 US TG     |             |         | 3               | ®          |
| Carrizo-Mthionin-2 US TG     |             |         | 3               | ®          |
| Carrizo-Mthionin-3 US TG     |             |         | 3               | ®          |
| Carrizo-ScFv-1 US TG         |             |         | 3               | ®          |
| Carrizo-ScFv-2 US TG         |             |         | 2               | ®          |
| Carrizo-ScFv-3 US TG         |             |         | 3               | ®          |
| Carrizo-Thionin-LBP-1 US TG  |             |         | 2               | ®          |
| Carrizo-Thionin-LBP-2 US TG  |             |         | 2               | ®          |
| Carrizo F-52-16              | 2           | 28      | 3               |            |
| Carrizo SPB-330              | 2           | 19      |                 |            |
| Carvalho 3-3-37              |             |         | 1               |            |
| Centennial Kum US            | 1           | 2       | 1               |            |
| C excelsa US 60-169-502      |             |         | 1               |            |
| Changsha + Benton UF 18-9-6  |             |         | 1               | ®          |
| Changsha US 9-12-9           |             |         | 1               |            |
| Chinese Pum UF 5-17          |             |         | 1               |            |
| Chinotto S/O US 8-41         | 1           | 2       | 1               |            |
| Chislett Late Navel CGIP-190 |             |         | 2               |            |
| Cipo US 10A-7-10             |             |         | 1               |            |
| Citranderin CGIP-222         |             |         | 1               |            |
| Citranger C-32 US            | 1           | 34      | 1               |            |
| Citranger C-35 F-24-10       | 6           | 156     | 1               |            |
| Citrangerquat Hyb US 10-3-4  |             |         | 1               |            |
| Citron DPI-201               |             |         | 1               |            |
| Citron DPI-201               |             |         | 1               |            |
| Citrum F-80-6                |             |         | 1               |            |
| Citrum F-80-8                |             |         | 1               |            |
| Citrum F-W-4                 |             |         | 1               |            |
| C lyo Tangor US 9-1-23       |             |         | 1               |            |
| C latipes DPI-203-19-b       | 1           | 4       | 1               | ®          |
| Clementine Haploid CGIP-180  |             |         | 1               | ®          |
| Clementine US                |             |         | 1               |            |
| Clem X Yuzu DPI-50-38-2      |             |         | 1               |            |
| Cleopatra F-1-7              | 7           | 123     | 2               |            |
| Cleopatra F-47-2             | 3           | 40      |                 |            |
| C macrophylla DPI-226        |             |         | 4               |            |
| C micrantha UF               |             |         | 1               |            |
| C moi F-11-8W                |             |         | 1               |            |
| C neoaurantium DPI-50-46     |             |         | 1               |            |
| Cocktail Gft DPI-50-38-5     |             |         | 1               |            |
| Crassifolia Kum CGIP-105     |             |         | 1               |            |
| Crisafulli Navel DPI-221-1   |             |         | 1               |            |
| C tachibana US 1-67          |             |         | 1               |            |
| Cybrid Dancy KW-5-7          |             |         | 2               | ®          |
| Cybrid Flame UF C4-3-32      |             |         | 1               | ®          |

| Budwood Availability          | Scion Trees |         | Chiefland Trees |            |
|-------------------------------|-------------|---------|-----------------|------------|
| Variety Clone                 | # Part      | # Trees | # Trees         | Restricted |
| Daisy CGIP-120                | 1           | 1       | 2               |            |
| Daisy LS CGIP-191             |             |         | 1               |            |
| Dancy F-59-8                  | 3           | 5       | 3               |            |
| Dancy UF 12-32                |             |         | 1               | ®          |
| Delta CGIP-118                |             |         | 2               |            |
| Dickinson 595                 | 2           | 59      | 1               |            |
| Dickinson Gold Valencia 595-1 | 2           | 3       | 1               |            |
| Disticha DPI-50-24            |             |         | 1               |            |
| Dobashi Sat DPI-50-28         |             |         | 1               |            |
| Dream Navel DPI-58            |             |         | 5               |            |
| Duncan Gft F-56-33            | 1           | 2       | 3               |            |
| Duncan Gft F-57-19            | 2           | 3       | 2               |            |
| Dweet Tangor F-8-18           |             |         | 1               |            |
| Earlygold UF 33-4             | 2           | 2       | 2               |            |
| Early Pride US 1-62-122       | 6           | 11      | 6               | ®          |
| Ellendale DPI-84-11-32        |             |         | 1               |            |
| Eloise CGIP-155               |             |         | 1               | ®          |
| Enterprise 609-14-17          |             |         | 1               |            |
| Eremocitrus US                |             |         | 1               |            |
| Erem X Shek US 3-67           |             |         | 1               |            |
| Escondido Le UF               |             |         | 1               |            |
| Etrog Citron DPI-223-861      | 1           | 3       | 1               |            |
| Eureka Le DPI -               | 3           | 12      | 2               |            |
| Eureka Le SL #2 CGIP-226      | 2           | 12      | 6               | ®          |
| Eureka Le SL CGIP-223         | 1           | 5       | 1               |            |
| Eureka Le UF 3-27             |             |         | 1               |            |
| Eureka Le UF C4-9-30          |             |         | 1               | ®          |
| Eustis Lqt US 16-6-12         | 1           | 1       | 1               |            |
| Everbearing Le US 9-1-64      |             |         | 1               |            |
| Fairchild US 6-8              |             |         | 4               |            |
| Fallglo US 10-61-3            | 2           | 6       | 2               |            |
| Faustrimedini DPI-205-3       |             |         | 1               |            |
| Fertic Te DPI-216             |             |         | 3               |            |
| FG-1731 UF                    |             |         | 1               | ®          |
| Fina Sodea Clem CGIP-123      |             |         | 5               |            |
| Finger Lime DPI-205-1         | 1           | 1       | 2               |            |
| Finger Lime Giant DPI-205-4   | 2           | 2       | 3               |            |
| Finger Lime UF KB-31          |             |         | 1               |            |
| Finger Lime UF KB-8           |             |         | 2               |            |
| Fisher Navel CGIP-135         |             |         | 2               |            |
| Flame Gft US 1-26-71          | 7           | 29      | 7               |            |
| Florida EV1 UF B7-70          | 8           | 41      | 2               | ®          |
| Florida EV2 UF SF14W-65       | 8           | 31      | 2               | ®          |
| Flying Dragon US              | 3           | 50      | 5               |            |
| Folha Murcha UF 211           |             |         | 1               | ®          |
| Fortune US 9E-10-23           |             |         | 1               |            |
| Foster Gft 65-1-8-27          |             |         | 1               |            |
| Fremont US 6-49               |             |         | 1               |            |
| Fukumoto Navel CGIP-133       |             |         | 2               |            |
| Furr LS UF 18A-10-11          |             |         | 1               | ®          |

| Budwood Availability       | Scion Trees |         | Chiefland Trees |            |
|----------------------------|-------------|---------|-----------------|------------|
| Variety Clone              | # Part      | # Trees | # Trees         | Restricted |
| Furr LS UF B-A-32.5        |             |         | 1               | ®          |
| Gardner US 6-16            |             |         | 3               |            |
| Gillets UF                 |             |         | 1               |            |
| Glen Navel F-56-11         | 7           | 28      | 12              |            |
| Glen Navel F-56-12         | 1           | 1       |                 |            |
| Gold Nugget CGIP-139       | 3           | 4       | 3               | ®          |
| Goutou US-3                | 1           | 20      | 1               |            |
| Grapefruit Hyb UF P1       |             |         | 1               | ®          |
| Grapefruit Hyb US 1-83-179 |             |         | 2               | ®          |
| Grapefruit Hyb US 1-83-227 |             |         | 2               | ®          |
| Grapefruit Hyb US 4-4-1    |             |         | 2               | ®          |
| Grapefruit Hyb US 6-20-151 |             |         | 2               | ®          |
| Grapefruit Hyb US 6-59-158 |             |         | 1               | ®          |
| Grapefruit UF 00-02        |             |         | 2               | ®          |
| Grapefruit UF 11-06        |             |         | 2               | ®          |
| Grapefruit UF 12-04        |             |         | 1               | ®          |
| Grapefruit UF 14-09        |             |         | 1               | ®          |
| Grapefruit UF 17-14        |             |         | 1               | ®          |
| Grapefruit UF 9-5-16       |             |         | 2               | ®          |
| Grapefruit UF N40-16-11-11 |             |         | 1               | ®          |
| Hadas CGIP-221             | 1           | 1       | 2               | ®          |
| Hamlin-Mthionin-1 US TG    |             |         | 2               | ®          |
| Hamlin-Mthionin-2 US TG    |             |         | 3               | ®          |
| Hamlin-Mthionin-3 US TG    |             |         | 2               | ®          |
| Hamlin 1-4-1               | 21          | 467     | 37              |            |
| Hamlin 8-1-4               | 5           | 45      | 24              |            |
| Hamlin 8-1-5               | 3           | 11      | 15              |            |
| Hamlin UF N13-32           | 1           | 1       | 4               | ®          |
| Hamlin US 1262             |             |         | 1               | ®          |
| Hamlin US 1266             |             |         | 1               | ®          |
| Hamlin US 1612             |             |         | 1               | ®          |
| Harvey Le F-41-39          | 3           | 10      | 3               |            |
| Hass Pink Navel DPI-203-21 |             |         | 1               |            |
| Hesperethusa UF            |             |         | 1               |            |
| Hirado Pum US 1-65         | 4           | 20      | 5               |            |
| Homosassa 56-10-28         |             |         | 1               |            |
| Hong Kong Kum US 10-2      |             |         | 4               |            |
| Hudson Gft US              |             |         | 1               |            |
| Hyuganatsu US 12-43        |             |         | 1               |            |
| Iapar 73 UF 217            |             |         | 1               | ®          |
| Ice Tea Le UF C4-6-49      |             |         | 1               | ®          |
| Ichang Le US 2-33          |             |         | 1               |            |
| Imperial Gft CGIP-151      |             |         | 1               |            |
| Isle O Pine Gft US         |             |         | 1               |            |
| Itaborai UF 31-6           | 1           | 1       | 2               |            |
| Jackson Gft DPI-16         | 1           | 1       | 5               |            |
| Jaffa F-53-38              |             |         | 1               |            |
| Jincheng UF 175            |             |         | 1               | ®          |
| Joe's Early CGIP-238       | 1           | 1       | 1               |            |
| Kaffir Lime UF             | 3           | 4       | 2               |            |

| Budwood Availability        | Scion Trees |         | Chiefland Trees |            |
|-----------------------------|-------------|---------|-----------------|------------|
| Variety Clone               | # Part      | # Trees | # Trees         | Restricted |
| Kao Phuang Pum UF 5-2       |             |         | 1               |            |
| Kara US 9E-9-21             |             |         | 1               |            |
| Karna US                    |             |         | 1               |            |
| Kedem CGIP-147              | 1           | 1       |                 |            |
| Keraji DPI-50-38-3          |             |         | 1               |            |
| Key Lime Giant US           | 1           | 1       | 1               |            |
| Key Lime SPB-51-12          | 6           | 13      | 4               |            |
| Key Lime Thornless F-59-39  | 2           | 2       | 1               |            |
| Khalily US 2-29             |             |         | 1               |            |
| Kiella Calusa S/O DPI-666-4 | 1           | 4       | 1               |            |
| Kimbrough Sat CGIP-108      |             |         | 2               |            |
| King 18-1-1                 | 1           | 2       | 3               |            |
| Kinkoji DPI-50-44           | 5           | 133     | 1               |            |
| Kinnow LS CGIP-193          |             |         | 1               |            |
| Kinnow US 9E-9-27           |             |         | 2               |            |
| Kinokuni US 11-65           |             |         | 1               |            |
| Kirkwood Red Navel CGIP-239 |             |         | 2               |            |
| Kishu SL CGIP-137           | 2           | 5       | 3               |            |
| Kiyomi Tangor CGIP-136      |             |         | 1               |            |
| Kuharske 100-1-10           | 14          | 509     | 3               |            |
| Kunembo US 3-10-3           |             |         | 2               |            |
| K X R UF                    |             |         | 1               |            |
| Lakeland Lqt F-55-26        | 1           | 5       | 3               |            |
| Lane Navel CGIP-121         | 2           | 4       | 6               |            |
| Large Pink Pum US 6-57      |             |         | 1               |            |
| Lee US 2-56                 |             |         | 3               |            |
| Lemon Hyb UF C4-3-4         |             |         | 1               | ®          |
| Lemon Hyb UF C4-4-16        |             |         | 1               | ®          |
| Lemon Hyb UF C4-5-14        |             |         | 1               | ®          |
| Lemon Hyb UF C4-8-3         |             |         | 1               | ®          |
| Lemon Hyb UF C4-8-34        |             |         | 1               | ®          |
| Lemon Hyb UF LB-6-17        |             |         | 1               | ®          |
| Lemonquat US 2-31           | 1           | 1       | 1               |            |
| Lemon UF 1-1-42             |             |         | 1               | ®          |
| Lemon UF 1-1-55             |             |         | 1               | ®          |
| Lemon UF 1-10-56            |             |         | 1               | ®          |
| Lemon UF 1-14-10            |             |         | 1               | ®          |
| Lemon UF 1-14-24            |             |         | 1               | ®          |
| Lemon UF 1-15-50            |             |         | 2               | ®          |
| Lemon UF 1-19-55            |             |         | 2               | ®          |
| Lemon UF 1-2-8              |             |         | 1               | ®          |
| Lemon UF 1-20-31            |             |         | 2               | ®          |
| Lemon UF 1-20-6             |             |         | 1               | ®          |
| Lemon UF 1-3-17             |             |         | 1               | ®          |
| Lemon UF 1-6-18             |             |         | 1               | ®          |
| Lemon UF 1-8-57             |             |         | 1               | ®          |
| Lemon UF 1-9-42             |             |         | 1               | ®          |
| Lemon UF 2-0-19             |             |         | 1               | ®          |
| Lemon UF 2-2-48             |             |         | 1               | ®          |
| Lemon UF 2-21-5             |             |         | 1               | ®          |

| Budwood Availability         | Scion Trees |         | Chiefland Trees |            |
|------------------------------|-------------|---------|-----------------|------------|
| Variety Clone                | # Part      | # Trees | # Trees         | Restricted |
| Lemon UF 2-23-39             |             |         | 1               | ®          |
| Lemon UF 2-3-28              |             |         | 2               | ®          |
| Lemon UF 2-3-33              |             |         | 2               | ®          |
| Lemon UF FP 18-03            |             |         | 1               | ®          |
| Lemorlime UF C4-5-27         |             |         | 1               | ®          |
| Leo X Te US 5-8-122          |             |         | 3               | ®          |
| Le Pum 748-29                |             |         | 2               |            |
| Le Pum 748-32                |             |         | 1               |            |
| Liang Ping Pum UF 8811       |             |         | 3               |            |
| Limeberry DPI-50-43          |             |         | 1               |            |
| Lime Hybrid UF 17-02         |             |         | 1               | ®          |
| Lime Hyb UF C4-10-11         |             |         | 1               | ®          |
| Lime Hyb UF C4-10-8          |             |         | 1               | ®          |
| Lime Hyb UF C4-6-52          |             |         | 1               | ®          |
| Lime Hyb UF C4-8-14          |             |         | 1               | ®          |
| Lime Hyb UF C4-8-48          |             |         | 3               | ®          |
| Lime Hyb UF C4-9-33          |             |         | 1               | ®          |
| Lime SL Hyb UF C4-4-26       |             |         | 1               | ®          |
| Lime SL Hyb UF C4-6-35       |             |         | 1               | ®          |
| Limonia UF                   |             |         | 1               |            |
| Lisbon Le UF 3-9             | 3           | 4       | 2               |            |
| Long Fruit Kum DPI-603-20-50 | 1           | 5       | 2               |            |
| Loretto Lime 874-1           | 1           | 1       | 2               |            |
| Lue Gim Gong F-53-18         |             |         | 3               |            |
| M+LB8-8                      |             |         | 1               | ®          |
| M-7 Early Navel CGIP-194     | 1           | 11      |                 |            |
| Madam Vinous UF 13           |             |         | 1               |            |
| Malayan Kum UF 10            |             |         | 1               |            |
| Mandalate CGIP-154           |             |         | 1               | ®          |
| Mandalime UF 13-08           |             |         | 2               | ®          |
| Mandalime UF 15-04           |             |         | 1               | ®          |
| Mandarange UF 4-71           |             |         | 2               | ®          |
| Mandarange UF SB-7-13        |             |         | 2               | ®          |
| Mandarange UF SB-8-17        |             |         | 2               | ®          |
| Mandarange UF SB-8-70        |             |         | 2               | ®          |
| Mandared CGIP-166            |             |         | 3               | ®          |
| Mandarin 4x Cybrid 304 UF    |             |         | 1               | ®          |
| Mandarin DPI-50-34           |             |         | 1               |            |
| Mandarin LS UF N40W-5-1      |             |         | 1               | ®          |
| Mandarin LS US 1-22-79       |             |         | 1               |            |
| Mandarin LS US 1-22-79       |             |         | 1               | ®          |
| Mandarin LS US 4-13-31       |             |         | 1               |            |
| Mandarin LS US 4-13-31       |             |         | 1               | ®          |
| Mandarin LS US 4-13-39       |             |         | 1               |            |
| Mandarin LS US 4-13-7        |             |         | 1               |            |
| Mandarin LS US 4-13-7        |             |         | 1               | ®          |
| Mandarin Mid UF 711          |             |         | 3               | ®          |
| Mandarin Mid UF 711 Mixup    |             |         | 2               | ®          |
| Mandarin SL UF C4-15-21 (19) |             |         | 4               | ®          |
| Mandarin SL US 1-35-21       |             |         | 1               |            |

| Budwood Availability     | Scion Trees |         | Chiefland Trees |            |
|--------------------------|-------------|---------|-----------------|------------|
| Variety Clone            | # Part      | # Trees | # Trees         | Restricted |
| Mandarin SL US 1-35-81   |             |         | 2               | ®          |
| Mandarin SL US 1-87-170  |             |         | 1               | ®          |
| Mandarin SL US 1-88-113  |             |         | 1               | ®          |
| Mandarin SL US 6-1-41    |             |         | 2               | ®          |
| Mandarin SL US 6-2-110   |             |         | 1               | ®          |
| Mandarin SL US B1-SH-6-9 |             |         | 1               | ®          |
| Mandarin UF 05-04        |             |         | 1               | ®          |
| Mandarin UF 09-08        |             |         | 1               | ®          |
| Mandarin UF 10-04        |             |         | 1               | ®          |
| Mandarin UF 11-01        |             |         | 1               | ®          |
| Mandarin UF 11-08        |             |         | 1               | ®          |
| Mandarin UF 11-10        |             |         | 1               | ®          |
| Mandarin UF 12-01        |             |         | 2               | ®          |
| Mandarin UF 12-03        |             |         | 1               | ®          |
| Mandarin UF 12-06        |             |         | 2               | ®          |
| Mandarin UF 12-07        |             |         | 1               | ®          |
| Mandarin UF 12-08        |             |         | 2               | ®          |
| Mandarin UF 13-09        |             |         | 4               | ®          |
| Mandarin UF 13-12        |             |         | 1               | ®          |
| Mandarin UF 13-13        |             |         | 1               | ®          |
| Mandarin UF 13-14        |             |         | 2               | ®          |
| Mandarin UF 13-17        |             |         | 2               | ®          |
| Mandarin UF 14-04        |             |         | 1               | ®          |
| Mandarin UF 14-06        |             |         | 1               | ®          |
| Mandarin UF 14-08        |             |         | 1               | ®          |
| Mandarin UF 1424         |             |         | 2               | ®          |
| Mandarin UF 1425         |             |         | 1               | ®          |
| Mandarin UF 15-03        |             |         | 1               | ®          |
| Mandarin UF 15-05a       |             |         | 2               | ®          |
| Mandarin UF 15-05b       |             |         | 1               | ®          |
| Mandarin UF 15-06        |             |         | 1               | ®          |
| Mandarin UF 15-07        |             |         | 2               | ®          |
| Mandarin UF 15-08        |             |         | 1               | ®          |
| Mandarin UF 15-09        |             |         | 2               | ®          |
| Mandarin UF 15-17        |             |         | 1               | ®          |
| Mandarin UF 16-33        |             |         | 1               | ®          |
| Mandarin UF 16-34        |             |         | 1               | ®          |
| Mandarin UF 17-04        |             |         | 1               | ®          |
| Mandarin UF 17-08        |             |         | 1               | ®          |
| Mandarin UF 17-11        |             |         | 1               | ®          |
| Mandarin UF 17-12        |             |         | 1               | ®          |
| Mandarin UF 1703         |             |         | 1               | ®          |
| Mandarin UF 1715         |             |         | 1               | ®          |
| Mandarin UF 1722         |             |         | 1               | ®          |
| Mandarin UF 1723         |             |         | 1               | ®          |
| Mandarin UF 1724         |             |         | 1               | ®          |
| Mandarin UF 1750         |             |         | 1               | ®          |
| Mandarin UF 1751         |             |         | 2               | ®          |
| Mandarin UF 1780         |             |         | 1               | ®          |
| Mandarin UF 18-04        |             |         | 1               | ®          |

| Budwood Availability | Scion Trees |         | Chiefland Trees |            |
|----------------------|-------------|---------|-----------------|------------|
| Variety Clone        | # Part      | # Trees | # Trees         | Restricted |
| Mandarin UF 18-07    |             |         | 1               | ®          |
| Mandarin UF 1801     |             |         | 1               | ®          |
| Mandarin UF 1806     |             |         | 1               | ®          |
| Mandarin UF 1818     |             |         | 1               | ®          |
| Mandarin UF 1819     |             |         | 2               | ®          |
| Mandarin UF 1859     |             |         | 1               | ®          |
| Mandarin UF 18A-1-25 |             |         | 1               | ®          |
| Mandarin UF 18A-1-40 |             |         | 1               | ®          |
| Mandarin UF 18A-2-14 |             |         | 1               | ®          |
| Mandarin UF 18A-2-28 |             |         | 1               | ®          |
| Mandarin UF 18A-2-31 |             |         | 1               | ®          |
| Mandarin UF 18A-4-35 |             |         | 1               | ®          |
| Mandarin UF 18A-4-46 |             |         | 1               | ®          |
| Mandarin UF 18A-8-25 |             |         | 2               | ®          |
| Mandarin UF 18A-8-42 |             |         | 1               | ®          |
| Mandarin UF 18A-8-48 |             |         | 1               | ®          |
| Mandarin UF 18A-9-27 |             |         | 1               | ®          |
| Mandarin UF 18A-9-43 |             |         | 1               | ®          |
| Mandarin UF 1904     |             |         | 1               | ®          |
| Mandarin UF 3-13-51  | 1           | 1       | 1               | ®          |
| Mandarin UF 3-13-86  |             |         | 1               | ®          |
| Mandarin UF 3-14-45  |             |         | 1               | ®          |
| Mandarin UF 3-3-52   |             |         | 1               | ®          |
| Mandarin UF 3-7-92   |             |         | 1               | ®          |
| Mandarin UF 304      |             |         | 2               | ®          |
| Mandarin UF 411      |             |         | 4               | ®          |
| Mandarin UF 6-13-30  |             |         | 2               | ®          |
| Mandarin UF 7-8-55   |             |         | 2               | ®          |
| Mandarin UF 7-8-87   |             |         | 1               | ®          |
| Mandarin UF 7-9-7    |             |         | 1               | ®          |
| Mandarin UF 9-10-28  |             |         | 2               | ®          |
| Mandarin UF 9-14     |             |         | 1               | ®          |
| Mandarin UF 9-8-20   |             |         | 2               | ®          |
| Mandarin UF 900      |             |         | 4               | ®          |
| Mandarin UF 916      |             |         | 2               | ®          |
| Mandarin UF 950      |             |         | 4               | ®          |
| Mandarin UF B3-18-2  |             |         | 2               | ®          |
| Mandarin UF B7-2-59  |             |         | 2               | ®          |
| Mandarin UF BB4-8-20 |             |         | 2               | ®          |
| Mandarin UF C1-1-1   |             |         | 1               | ®          |
| Mandarin UF C1-4-28  |             |         | 1               | ®          |
| Mandarin UF C1-7-30  |             |         | 1               | ®          |
| Mandarin UF C1-8-34  |             |         | 1               | ®          |
| Mandarin UF C2-1-5   |             |         | 2               | ®          |
| Mandarin UF C2-3-26  |             |         | 3               | ®          |
| Mandarin UF C4-10-42 |             |         | 1               | ®          |
| Mandarin UF C4-11-45 |             |         | 1               | ®          |
| Mandarin UF C4-14-1  |             |         | 3               | ®          |
| Mandarin UF C4-14-15 |             |         | 1               | ®          |
| Mandarin UF C4-14-3  |             |         | 1               | ®          |

| Budwood Availability     | Scion Trees |         | Chiefland Trees |            |
|--------------------------|-------------|---------|-----------------|------------|
| Variety Clone            | # Part      | # Trees | # Trees         | Restricted |
| Mandarin UF C4-14-51     |             |         | 1               | ®          |
| Mandarin UF C4-14-53     |             |         | 1               | ®          |
| Mandarin UF C4-15-3      |             |         | 1               | ®          |
| Mandarin UF C4-15-43     |             |         | 1               | ®          |
| Mandarin UF C4-15-50     |             |         | 3               | ®          |
| Mandarin UF C4-16-23     |             |         | 1               | ®          |
| Mandarin UF C4-5-50      |             |         | 1               | ®          |
| Mandarin UF C4-7-29      |             |         | 1               | ®          |
| Mandarin UF C7-10-47     |             |         | 3               | ®          |
| Mandarin UF C7-10-50     |             |         | 1               | ®          |
| Mandarin UF C7-12-14     |             |         | 2               | ®          |
| Mandarin UF C7-12-18     |             |         | 2               | ®          |
| Mandarin UF C7-12-19     |             |         | 1               | ®          |
| Mandarin UF C7-12-24     |             |         | 3               | ®          |
| Mandarin UFDawn 09-13    |             |         | 2               | ®          |
| Mandarin UF E20-42-13    |             |         | 2               | ®          |
| Mandarin UF E20-45-14    |             |         | 2               | ®          |
| Mandarin UF E20-45-19    |             |         | 2               | ®          |
| Mandarin UF FP 18-04     |             |         | 1               | ®          |
| Mandarin UFGlow 10-02    | 1           | 1       | 2               | ®          |
| Mandarin UF KE-7-39      |             |         | 3               | ®          |
| Mandarin UF KE-9-9       |             |         | 1               | ®          |
| Mandarin UF KW5-12       |             |         | 1               | ®          |
| Mandarin UF LB3-11       |             |         | 1               | ®          |
| Mandarin UF LB5-3        |             |         | 2               | ®          |
| Mandarin UF LB7-11       |             |         | 2               | ®          |
| Mandarin UF LB8-10       |             |         | 2               | ®          |
| Mandarin UF LS-13-51     |             |         | 3               | ®          |
| Mandarin UF N18A-8-17    |             |         | 1               | ®          |
| Mandarin UF N18A-9-39    |             |         | 1               | ®          |
| Mandarin UF NB17-25      |             |         | 2               | ®          |
| Mandarin UF RBS-13-8     |             |         | 2               | ®          |
| Mandarin UF RES-10-39    |             |         | 1               | ®          |
| Mandarin UF RES-19-22    |             |         | 2               | ®          |
| Mandarin UF RES-19-56    |             |         | 2               | ®          |
| Mandarin UF SB-2-48      |             |         | 1               | ®          |
| Mandarin UFSunrise 09-04 |             |         | 2               | ®          |
| Mandarin US 1-10-90      |             |         | 1               | ®          |
| Mandarin US 1-20-68      |             |         | 2               | ®          |
| Mandarin US 1-23-130     |             |         | 2               |            |
| Mandarin US 1-24-48      |             |         | 2               | ®          |
| Mandarin US 1-26-52      |             |         | 1               | ®          |
| Mandarin US 1-30-52      |             |         | 2               | ®          |
| Mandarin US 1-34-11      |             |         | 2               | ®          |
| Mandarin US 1-57-105     |             |         | 2               | ®          |
| Mandarin US 1-62-205     |             |         | 1               | ®          |
| Mandarin US 1-63-77      |             |         | 2               | ®          |
| Mandarin US 1-63-85      |             |         | 2               | ®          |
| Mandarin US 1-78-62      |             |         | 2               | ®          |
| Mandarin US 1-8-70       |             |         | 2               |            |

| Budwood Availability          | Scion Trees |         | Chiefland Trees |            |
|-------------------------------|-------------|---------|-----------------|------------|
| Variety Clone                 | # Part      | # Trees | # Trees         | Restricted |
| Mandarin US 1-8-96            |             |         | 1               | ®          |
| Mandarin US 1-81-193          |             |         | 1               | ®          |
| Mandarin US 1-84-2            |             |         | 1               | ®          |
| Mandarin US 1-88-71           |             |         | 1               | ®          |
| Mandarin US 1-88-82           |             |         | 1               | ®          |
| Mandarin US 5-13-227          |             |         | 1               | ®          |
| Mandarin US 5-6-165           |             |         | 1               | ®          |
| Mandarin US 6-32-43           |             |         | 2               | ®          |
| Mandarin US 6-32-67           |             |         | 2               | ®          |
| Mandarin US 6-34-45           |             |         | 2               | ®          |
| Mandarin US 6-35-90           |             |         | 2               |            |
| Mandarin US C54-4             |             |         | 2               | ®          |
| Mandarin USDA PS-N-4-26       |             |         | 1               | ®          |
| Mandarin USDA PS-N-5-33       |             |         | 1               | ®          |
| Mandarin US N-10-7            |             |         | 1               | ®          |
| Mandarin US N-8-6             |             |         | 2               | ®          |
| Man Hyb UF VNB-36-4           |             |         | 1               | ®          |
| Man Hyb UF VNB-40-4           |             |         | 2               | ®          |
| Man x Org LT UF RBB-7-34      |             |         | 3               | ®          |
| Man X Org UF 6-2-55           |             |         | 1               | ®          |
| Man X Org UF RBB-6-25         |             |         | 2               | ®          |
| Man X Org UF RBB-7-34         |             |         | 2               | ®          |
| Marathon                      | 3           | 13      | 2               | ®          |
| Marisol Clem CGIP-124         | 1           | 1       | 2               |            |
| Marsh Gft 74-1-1              |             |         | 5               |            |
| Marsh Gft F-57-4              | 4           | 9       | 5               |            |
| Marsh Gft F-58-6              | 1           | 10      |                 |            |
| Marumi Kum DPI-50-47          | 1           | 3       | 2               |            |
| Mayaca Navel 63-18-2          |             |         | 3               |            |
| McCarty Gft F-53-11           |             |         | 1               |            |
| McTeer Murcott                |             |         | 1               | ®          |
| Mediterranean Swt F-58-38     |             |         | 1               |            |
| Meiwa Kum F-27-29             | 5           | 11      | 6               |            |
| Melogold CGIP-112             |             |         | 4               |            |
| Merav CGIP-146                | 1           | 1       |                 |            |
| Meravit CGIP-220              | 1           | 1       | 2               | ®          |
| Meyer Le US                   | 7           | 20      | 3               |            |
| Microcitrus Inodor US 80-527A |             |         | 1               |            |
| Microcitrus Papuana US        |             |         | 1               |            |
| Midknight CGIP-119            | 1           | 2       | 4               |            |
| Midsweet LS UF 12-2-33        |             |         | 2               | ®          |
| Midsweet LS UF 2-23           |             |         | 1               | ®          |
| Midsweet LS UF SF11-1-24      |             |         | 4               | ®          |
| Midsweet LS UF SF11-2-31      |             |         | 2               | ®          |
| Midsweet US 6-9               | 5           | 11      | 5               |            |
| Miho Wase Satsuma CGIP-235    | 1           | 1       |                 |            |
| Milam UF A                    |             |         | 1               |            |
| Miller B/O UF                 |             |         | 2               | ®          |
| Mini-Mandarin UF N18A-10-18   |             |         | 1               | ®          |
| Minneola F-60-5               | 5           | 19      | 5               |            |

| Budwood Availability         | Scion Trees |         | Chiefland Trees |            |
|------------------------------|-------------|---------|-----------------|------------|
| Variety Clone                | # Part      | # Trees | # Trees         | Restricted |
| Minnie Finger Lime           |             |         | 2               |            |
| Monreal Clem CGIP-109        |             |         | 1               |            |
| Moria CGIP-164               | 1           | 1       |                 |            |
| Moro B/O 3-3-11              | 2           | 2       | 3               |            |
| Moro B/O DPI-50-19           | 1           | 4       |                 |            |
| Moro X Tar B/O 3-2-66        |             |         | 1               |            |
| Morton US 1-3                | 1           | 33      | 1               |            |
| Mott Gft DPI-45              |             |         | 1               |            |
| Murcott 130-1-1S             | 7           | 12      | 6               |            |
| Murcott LS UF LB2-19         |             |         | 2               | ®          |
| Murcott LS UF N40-18A-10-09  |             |         | 2               |            |
| Murcott UF 18A-10-47         |             |         | 2               | ®          |
| Murcott UF 18A-3-16          |             |         | 2               | ®          |
| Nagami Kum SPB-323-1-1       | 3           | 4       | 5               |            |
| Nakon Pum US                 |             |         | 2               |            |
| Nansho Daidai DPI-50-45      |             |         | 1               |            |
| Nasnaran DPI-50-49           |             |         | 1               |            |
| Natsumikan DPI-50-48         |             |         | 1               |            |
| Naugle Le DPI-206-1          |             |         | 4               |            |
| Navel Gft US 4-1             |             |         | 2               |            |
| Navelo 81-16-15              |             |         | 1               |            |
| Navel US1-N                  |             |         | 2               | ®          |
| Navel US 2-C                 |             |         | 2               | ®          |
| Navel US 3-S                 |             |         | 2               | ®          |
| Nectar CGIP-148              | 1           | 1       |                 |            |
| Nine Pound Le DPI-201-21     |             |         | 3               |            |
| Nocatee F-25-26              |             |         | 1               |            |
| Nordmann Kum DPI-203-1       |             |         | 1               |            |
| Norton SPB-306               |             |         | 1               |            |
| Nour CGIP-149                |             |         | 4               |            |
| Nova+Osceola UF              |             |         | 2               | ®          |
| Nova LS CGIP-200             |             |         | 2               |            |
| Nova US 7-41                 | 2           | 2       | 3               |            |
| Nules Clem CGIP-125          | 3           | 6       | 3               |            |
| Odem CGIP-219                | 1           | 4       | 2               | ®          |
| Okitsu Wase Satsuma CGIP-234 | 1           | 1       |                 |            |
| Orange Hyb LT US 1-76-52     |             |         | 2               |            |
| Orange Hyb US 1-10-1         |             |         | 1               | ®          |
| Orange Hyb US 1-4-12         |             |         | 1               | ®          |
| Orange Hyb US 1-46-15        |             |         | 2               | ®          |
| Orange Hyb US 1-5-213        |             |         | 2               |            |
| Orange Hyb US 1-5-35         |             |         | 2               | ®          |
| Orange Hyb US 1-65-55        |             |         | 2               | ®          |
| Orange Hyb US 1-74-52        |             |         | 1               |            |
| Orange Hyb US 1-74-92        |             |         | 1               | ®          |
| Orange Hyb US 1-75-113       |             |         | 2               | ®          |
| Orange Hyb US 1-75-55        |             |         | 1               | ®          |
| Orange Hyb US 1-85-109       |             |         | 1               | ®          |
| Orange Hyb US 1-85-119       |             |         | 1               | ®          |
| Orange Hyb US 1-85-124       |             |         | 1               | ®          |

| Budwood Availability      | Scion Trees |         | Chiefland Trees |            |
|---------------------------|-------------|---------|-----------------|------------|
| Variety Clone             | # Part      | # Trees | # Trees         | Restricted |
| Orange Hyb US 1-85-82     |             |         | 1               | ®          |
| Orange Hyb US 1-90-251    |             |         | 1               | ®          |
| Orange Hyb US 5-6-36      |             |         | 1               | ®          |
| Orange Hyb US 6-45-137    |             |         | 1               | ®          |
| Orange Hyb US 6-47-9      |             |         | 1               | ®          |
| Orange Hyb US 6-68-163    |             |         | 1               | ®          |
| Orange Hyb US 6-9-96      |             |         | 2               | ®          |
| Orange Hyb US 7650        |             |         | 1               |            |
| Orange Hyb US 7651        |             |         | 2               |            |
| Orange Hyb US 7652        |             |         | 2               |            |
| Orange Jasmine F-         |             |         | 1               |            |
| Orangequat Hyb DPI-203-5  |             |         | 1               |            |
| Orlando F-57-5            | 4           | 5       | 3               |            |
| Oroblanco CGIP-111        | 1           | 2       | 4               |            |
| Orri CGIP-134             | 1           | 19      | 9               | ®          |
| Ortanique F-24-26         | 1           | 1       | 5               |            |
| Osceola US 3-58           |             |         | 2               |            |
| Oval Pink Pum DPI-212     |             |         | 1               |            |
| Owari Sat 874             | 2           | 5       | 5               |            |
| Owari Sat F-60-23         | 2           | 6       |                 |            |
| Owari Sat F-60-25B        | 1           | 2       | 1               |            |
| P+(CxS)                   |             |         | 1               | ®          |
| Page US 2-58              | 2           | 4       | 3               |            |
| Pandan Wangi Pum US       |             |         | 1               |            |
| Parana Gft CGIP-167       |             |         | 1               |            |
| Parson Brown F-56-2       | 3           | 4       | 3               |            |
| Parson Special US         |             |         | 1               |            |
| Pera 3-3-85               |             |         | 1               |            |
| Pera US 18-11             |             |         | 1               |            |
| Pera US 7-39              |             |         | 1               |            |
| Persian Lime SPB-7        | 6           | 24      | 9               |            |
| Pineapple 53-10-10        | 1           | 4       | 5               |            |
| Pineapple F-60-3          | 2           | 4       | 3               |            |
| Pineapple SL US 10B-6-30  | 2           | 4       | 5               |            |
| Pineapple SPB-150-        | 1           | 2       |                 |            |
| Pink Gft US FF-1-26-51-BS |             |         | 1               | ®          |
| Pink Pum Hyb US 10-1-1    |             |         | 1               |            |
| Pink Sensation Pum 884    |             |         | 1               |            |
| Pixie Man CGIP-181        |             |         | 3               |            |
| Ponderosa Le DPI-203-8    | 3           | 6       | 3               |            |
| Ponkan DPI-50-6           | 3           | 4       | 5               |            |
| Pope F-53-28              |             |         | 1               |            |
| Procimequat UF            |             |         | 1               |            |
| P Tri DPI-50-7            |             |         | 2               |            |
| P Tri Rubidoux F-16-20    | 2           | 13      | 1               |            |
| P Tri Wacissa F-18-1      | 3           | 74      | 1               |            |
| Pummelette UF 5-1-99-2    |             |         | 2               | ®          |
| Pummelette UF KWP-1-1     |             |         | 2               | ®          |
| Pummelo 61-12-            |             |         | 1               |            |
| Pummelo DPI-203-2         |             |         | 1               |            |

| Budwood Availability        | Scion Trees |         | Chiefland Trees |            |
|-----------------------------|-------------|---------|-----------------|------------|
| Variety Clone               | # Part      | # Trees | # Trees         | Restricted |
| Pummelo DPI-203-3           |             |         | 2               |            |
| Pummelo DPI-203-4           |             |         | 2               |            |
| Pummelo Hyb UF 3-1-21       |             |         | 1               | ®          |
| Pummelo Hyb UF 3-1-22       |             |         | 1               | ®          |
| Pummelo Hyb UF 3-1-43       |             |         | 1               | ®          |
| Pummelo Hyb UF 914          |             |         | 5               | ®          |
| Pummelo Hyb UF C2-5-03      |             |         | 1               | ®          |
| Pummelo Hyb UF C4-10-36     |             |         | 1               | ®          |
| Pummelo Hyb UF NB17-4-0219  |             |         | 1               | ®          |
| Pummelo Hyb UF NB19-17-0218 |             |         | 1               | ®          |
| Pummelo Hyb UF NB19-18-0218 |             |         | 1               | ®          |
| Pummelo Hyb UF NB19-22-0218 |             |         | 1               | ®          |
| Pummelo Hyb UF NB19-28-0218 |             |         | 1               | ®          |
| Pummelo Hyb UF NRB15-43     |             |         | 1               | ®          |
| Pummelo Hyb UF P2           |             |         | 1               | ®          |
| Pummelo Hyb US 1-17-170     |             |         | 1               | ®          |
| Pummelo Hyb US 10A-1-21     |             |         | 3               | ®          |
| Pummelo Hyb US 4-3-168      |             |         | 1               | ®          |
| Pummelo Hyb US 5-93-42      |             |         | 2               | ®          |
| Pummelo Hyb US 6-16-172     |             |         | 2               | ®          |
| Pummelo Hyb US 6-16-29      |             |         | 1               | ®          |
| Pummelo Hyb US 6-16-43      |             |         | 1               | ®          |
| Pummelo Hyb US 6-17-16      |             |         | 2               | ®          |
| Pummelo Hyb US 6-17-28      |             |         | 2               | ®          |
| Pummelo Hyb US 6-17-48      |             |         | 2               | ®          |
| Pummelo Hyb US 6-47-117     |             |         | 1               | ®          |
| Pummelo Hyb US LP-36-39     |             |         | 2               | ®          |
| Pummelo UF 16-29            |             |         | 1               | ®          |
| Pummelo UF 23-5-36          |             |         | 2               | ®          |
| Pummelo UF N40-16-12-7      |             |         | 2               | ®          |
| Pummelo UF N7-4             |             |         | 1               | ®          |
| Pummelo US 10a-7-15         |             |         | 1               |            |
| Pummelo US 145 NE           |             |         | 3               |            |
| Pummelo US NW               |             |         | 3               |            |
| Pum X Gft UF 4-1            |             |         | 2               | ®          |
| Queen 25-2-15               |             |         | 3               |            |
| Rangpur Lime F-3-8          |             |         | 1               |            |
| Rasnake Tangelo 625         | 1           | 1       |                 |            |
| Ray Ruby Gft CGIP-103       | 8           | 41      | 10              |            |
| Red Finger Lime DPI-50-36   | 2           | 2       | 3               |            |
| Red Gft UF 16-11-17         |             |         | 2               | ®          |
| Red Gft UF N11-29           |             |         | 2               | ®          |
| Red Gft UF N40-16-11-15     |             |         | 2               | ®          |
| Red Gft UF N40-16-11-3      |             |         | 2               | ®          |
| Red Gft UF N40-16-11-7      |             |         | 2               | ®          |
| Red Java Pum UF 6-4A        |             |         | 1               |            |
| Red Lime 899                | 2           | 4       | 1               |            |
| Red Pum UF 5-1-99-5         |             |         | 2               | ®          |
| Red Pum UF C2-5-12          |             |         | 1               | ®          |
| Red Pum UF C4-11-19         |             |         | 1               | ®          |

| Budwood Availability   | Scion Trees |         | Chiefland Trees |            |
|------------------------|-------------|---------|-----------------|------------|
| Variety Clone          | # Part      | # Trees | # Trees         | Restricted |
| Red Pum UF C4-2-8      |             |         | 1               | ®          |
| Red Pum UF KW-1-50     |             |         | 2               | ®          |
| Red Pum UF UKP-1       |             |         | 1               | ®          |
| Red Shaddock UF 5-4A   |             |         | 1               |            |
| Ridge Pi SPB-602-36    |             |         | 1               |            |
| Rio Red Gft CGIP-110   | 6           | 30      | 6               |            |
| Robinson US 3-56       | 1           | 2       | 4               |            |
| Roble 502-4-12         |             |         | 6               |            |
| Rohde Red 472-11-43    | 5           | 16      | 10              |            |
| Rohde Red DPI-50-3-1   |             |         | 1               |            |
| Rohde Red DPI-50-3-2   |             |         | 1               |            |
| Rohde Red DPI-50-3-8   |             |         | 1               |            |
| Rohde Red DPI-50-3-9   |             |         | 1               |            |
| Rohde Red UF B3-42     |             |         | 1               | ®          |
| Rosa UF 156            |             |         | 1               | ®          |
| Rough Le 199           | 1           | 23      |                 |            |
| Rough Le Red UF 8-7    | 1           | 16      | 2               |            |
| Round Lime DPI-205-2   |             |         | 1               |            |
| Royal Gft US 4-39      |             |         | 1               |            |
| RS UF 16-03            |             |         | 1               | ®          |
| RS UF 16-04            |             |         | 1               | ®          |
| RS UF 16-05            |             |         | 1               | ®          |
| RS UF 16-06            |             |         | 1               | ®          |
| RS UF 16-07            |             |         | 1               | ®          |
| RS UF 16-08            |             |         | 1               | ®          |
| RS UF 16-09            |             |         | 1               | ®          |
| RS UF 16-10            |             |         | 1               | ®          |
| RS UF 16-11            |             |         | 3               | ®          |
| RS UF 16-12            |             |         | 1               | ®          |
| RS UF 16-13            |             |         | 1               | ®          |
| RS UF 16-14            |             |         | 1               | ®          |
| RS UF 16-15            |             |         | 1               | ®          |
| RS UF 16-16            |             |         | 3               | ®          |
| RS UF 16-17            |             |         | 1               | ®          |
| RS UF 16-18            |             |         | 1               | ®          |
| RS UF 16-19            |             |         | 1               | ®          |
| RS UF 16-20            |             |         | 1               | ®          |
| RS UF 16-21            |             |         | 1               | ®          |
| RS UF 16-22            |             |         | 1               | ®          |
| RS UF 16-23            |             |         | 1               | ®          |
| RS UF 16-26            |             |         | 1               | ®          |
| RS UF 16-41            |             |         | 1               | ®          |
| RS UF 16-42            |             |         | 1               | ®          |
| RS UF 16-43            |             |         | 1               | ®          |
| RS UF 16-44            |             |         | 2               | ®          |
| RS UF 16-5-28 Orange16 |             |         | 1               | ®          |
| RS UF 16-5-5 Orange14  |             |         | 2               | ®          |
| RS UF 16-52            |             |         | 2               | ®          |
| RS UF 16-53            |             |         | 2               | ®          |
| RS UF 18-01            |             |         | 1               | ®          |

| Budwood Availability              | Scion Trees |         | Chiefland Trees |            |
|-----------------------------------|-------------|---------|-----------------|------------|
| Variety Clone                     | # Part      | # Trees | # Trees         | Restricted |
| RS UF 18-02                       |             |         | 1               | ®          |
| RS UF 18-13                       |             |         | 1               | ®          |
| RS UF 18-2-19 White-1             |             |         | 2               | ®          |
| RS UF 18-2-8 Green-7              |             |         | 2               | ®          |
| RS UF 2247x1571-00-3 White-3      |             |         | 1               | ®          |
| RS UF 2247x2075-01-2              |             |         | 1               | ®          |
| RS UF 2247x2075-02-26             |             |         | 2               | ®          |
| RS UF 2247x6070-02-2              |             |         | 2               | ®          |
| RS UF 46x20-04-32                 |             |         | 2               | ®          |
| RS UF 46x20-04-48                 |             |         | 2               | ®          |
| RS UF 46x20-04-6                  |             |         | 2               | ®          |
| RS UF 46x20-04-S13                |             |         | 1               | ®          |
| RS UF 46x20-04-S15                |             |         | 1               | ®          |
| RS UF 46x43-05-SDLG-51            |             |         | 1               | ®          |
| RS UF A+HBJL-1-OP-09-36           |             |         | 2               | ®          |
| RS UF A+HBPxOrange 19-08-2        |             |         | 2               | ®          |
| RS UF A+Volk x Orange 19-11-8     |             |         | 2               | ®          |
| RS UF AMB+HBJL-2                  |             |         | 1               | ®          |
| RS UF B21-R1-T2-11-2              |             |         | 1               | ®          |
| RS UF B21-R1-T25-11-6             |             |         | 1               | ®          |
| RS UF Blue 1                      |             |         | 1               | ®          |
| RS UF Cleo+Carrizo                |             |         | 1               | ®          |
| RS UF Gft + 50-7                  |             |         | 2               | ®          |
| RS UF Green x Orange 14-09-32     |             |         | 1               | ®          |
| RS UF Milam+HBP x Orange 14-09-10 |             |         | 2               | ®          |
| RS UF Milam+HBPxOrange 14-09-14   |             |         | 2               | ®          |
| RS UF Milam+HBP x Orange 14-09-9  |             |         | 2               | ®          |
| RS UF Murcott+Rubidoux            |             |         | 1               | ®          |
| RS UF Purple 4                    |             |         | 1               | ®          |
| RS UF SG-50-6                     |             |         | 1               | ®          |
| RS UF SO + 50-7                   |             |         | 2               | ®          |
| RS UF SO + FDT                    |             |         | 1               | ®          |
| Ruby Red Gft F-58-39              | 7           | 27      | 10              |            |
| Ruby Swt (35) UF 32-10            | 1           | 1       | 2               |            |
| Ruby Valencia CGIP-195            | 1           | 6       | 2               | ®          |
| Ryan Navel CGIP-186               | 1           | 2       | 2               |            |
| Salustiana 3-1-71                 | 1           | 1       | 1               |            |
| Salustiana UF                     |             |         | 3               | ®          |
| Sampson UF 9-1A                   |             |         | 3               |            |
| Sanboka US 7-55                   | 1           | 2       | 1               |            |
| Sanguinelli B/O US 10-5-17        | 2           | 3       | 4               |            |
| Sanguinello Riccio UF 200         |             |         | 1               | ®          |
| Santa Cat Navel US 1              |             |         | 1               |            |
| Scott Red Gft #369 DPI-666-9      |             |         | 1               | ®          |
| Scott Red Gft #3 DPI-666-6        |             |         | 2               | ®          |
| Scott Red Gft #5 DPI-666-7        |             |         | 2               | ®          |
| Scott Red Gft #63 DPI-666-10      |             |         | 1               | ®          |
| Scott Red Gft #6 DPI-666-8        |             |         | 2               | ®          |
| Scott Red Gft #79 DPI-666-11      |             |         | 5               | ®          |
| Scott White Gft #10 DPI-666-12    |             |         | 1               | ®          |

| Budwood Availability         | Scion Trees |         | Chiefland Trees |            |
|------------------------------|-------------|---------|-----------------|------------|
| Variety Clone                | # Part      | # Trees | # Trees         | Restricted |
| Seduced S/O DPI-666-13       |             |         | 1               | ®          |
| Seedless Snack UF N40W-6-3   | 1           | 1       | 2               | ®          |
| Seleta Agrocitros UF 132     |             |         | 1               | ®          |
| Seleta Branca UF 166         |             |         | 1               | ®          |
| Seminole SPB-342-3-3         |             |         | 1               |            |
| Serra D Agua UF 210          |             |         | 1               | ®          |
| Setoka CGIP-187              | 1           | 3       | 2               |            |
| Sexton F-47-24               |             |         | 4               |            |
| Shambar Gft US 3-63          |             |         | 1               |            |
| Shasta Gold CGIP-159         | 1           | 1       | 3               | ®          |
| Shatian Pum CGIP-126         |             |         | 3               |            |
| Shekwasha US 9-1-27          |             |         | 1               |            |
| Shiranui CGIP-132            | 2           | 2       | 4               |            |
| Siamese Pink Pum UF 6-12A    |             |         | 3               |            |
| Siamese Pum UF 6-9A          |             |         | 1               |            |
| Siamese Swt Pum DPI-203-16   | 1           | 1       | 3               |            |
| Silver Hill Sat US           |             |         | 3               |            |
| Sinton Citrqt US             |             |         | 1               |            |
| Smooth Flat Sev US 2-2-14    | 1           | 20      | 1               |            |
| Sour Orange DPI-50-9         | 2           | 6       |                 |            |
| Sour Orange F-49-7           | 7           | 152     | 4               |            |
| Sour Orange UF 18-11         |             |         | 1               | ®          |
| Star Ruby Gft DPI-60         | 7           | 229     | 4               |            |
| Succari US 7-21              |             |         | 1               |            |
| Sue Linda Temple CGIP-237    |             |         | 1               |            |
| Sugar Belle LS UF 1-3        |             |         | 2               | ®          |
| Sugar Belle UF LB8-9         | 8           | 43      | 8               | ®          |
| Sukega Gft CGIP-182          |             |         | 1               |            |
| Summerfield Navel DPI-70-4-9 | 1           | 6       | 2               |            |
| Summer Gold Gft UF N2-28     | 1           | 1       | 2               | ®          |
| Sunburst US 5                | 4           | 11      | 8               |            |
| Sun Chu Sha US 9-12-12       | 3           | 41      | 1               |            |
| Sundiatgo US 5-17            |             |         | 1               |            |
| Sun Hing Pum DPI-203-7       |             |         | 3               |            |
| Sunki DPI-50-50              |             |         | 1               |            |
| Sunquat DPI-50-27            |             |         | 1               |            |
| Sunshine US 10-13            |             |         | 1               |            |
| Sunstar US 6-6               |             |         | 5               |            |
| SuperSour 1                  |             |         | 2               |            |
| Supersour 2                  | 1           | 4       | 2               |            |
| SuperSour 3                  |             |         | 3               |            |
| Sweet Lime F-10-10           | 2           | 3       | 1               |            |
| Sweet Orange SL UF C4-16-12  |             |         | 2               | ®          |
| Sweet Orange UF 12-05        |             |         | 2               | ®          |
| Sweet Orange UF 7-9-35       |             |         | 1               | ®          |
| Sweet Orange UF 99-01        |             |         | 4               | ®          |
| Sweet Orange UF C1-41-B      |             |         | 2               | ®          |
| Sweet Orange UF N10-25       |             |         | 2               | ®          |
| Sweet Orange UF OLL-20IR-46  |             |         | 1               | ®          |
| Sweet Orange UF OLL-20IR-54  |             |         | 2               | ®          |

| Budwood Availability       | Scion Trees |         | Chiefland Trees |            |
|----------------------------|-------------|---------|-----------------|------------|
| Variety Clone              | # Part      | # Trees | # Trees         | Restricted |
| Sweet Orange UF OLL10      |             |         | 2               | ®          |
| Sweet Orange UF OLL23      |             |         | 2               | ®          |
| Sweet Orange UF OLL4       | 9           | 104     | 9               | ®          |
| Sweet Orange UF OLL6       | 9           | 126     | 2               | ®          |
| Sweet Orange UF OLL7       |             |         | 2               | ®          |
| Sweet Orange UF OLL8       |             |         | 6               | ®          |
| Sweet Orange UF RBA-22-29  |             |         | 1               | ®          |
| Swingle DPI-227            | 2           | 95      |                 |            |
| Swingle US 22-55           | 9           | 973     | 3               |            |
| Sydney Hyb US              |             |         | 2               |            |
| Tahoe Gold CGIP-140        | 1           | 1       | 2               | ®          |
| Tami CGIP-145              | 1           | 1       |                 |            |
| Tango CGIP-168             | 5           | 11      | 11              | ®          |
| Tangor UF 00-04            |             |         | 1               | ®          |
| Tangor UF 04-10            |             |         | 1               | ®          |
| Tangor UF 11-07            |             |         | 1               | ®          |
| Tangor UF 13-07            |             |         | 1               | ®          |
| Tangor UF 13-15            |             |         | 1               | ®          |
| Tangor UF 15-01            |             |         | 3               | ®          |
| Tangor UF 16-46            |             |         | 1               | ®          |
| Tangor UF 16-47            |             |         | 1               | ®          |
| Tangor UF 18-09            |             |         | 1               | ®          |
| Tangor UF 98-01            |             |         | 1               | ®          |
| Tankan US 2E-4-25          |             |         | 1               | ®          |
| Tarocco B/O UF 30-37       |             |         | 1               |            |
| Tavares Lqt US 9-4-48      |             |         | 3               |            |
| TDE-1 CGIP-158             |             |         | 3               | ®          |
| Temple 33-6-15             | 3           | 5       | 3               |            |
| Temple LS DPI-75           |             |         | 3               |            |
| Te X Or US 10-15-67        |             |         | 1               | ®          |
| Thomasville Citrqt US 1-20 |             |         | 1               |            |
| Thompson Gft 25-3-6        | 3           | 5       | 4               |            |
| Thomson Navel US 6-6       |             |         | 1               | ®          |
| Thong Dee Pum UF 5-8A      |             |         | 1               |            |
| Tresca US 10C-2-4          |             |         | 5               | ®          |
| Triumph Gft DPI-32-4       |             |         | 1               |            |
| UF 11-4-1                  |             |         | 1               | ®          |
| UF 40-2-21                 |             |         | 1               | ®          |
| UFR-01 Orange3             | 3           | 42      | 1               | ®          |
| UFR-02 Orange4             | 3           | 19      | 2               | ®          |
| UFR-03 Orange15            | 5           | 48      | 2               | ®          |
| UFR-04 Orange19            | 9           | 293     | 2               | ®          |
| UFR-05 White4              | 5           | 93      | 2               | ®          |
| UFR-06                     | 2           | 91      | 2               | ®          |
| UFR-07                     |             |         | 3               | ®          |
| UFR-08                     |             |         | 1               | ®          |
| UFR-09                     |             |         | 3               | ®          |
| UFR-10                     |             |         | 3               | ®          |
| UFR-11                     |             |         | 2               | ®          |
| UFR-12                     |             |         | 2               | ®          |

| Budwood Availability | Scion Trees |         | Chiefland Trees |            |
|----------------------|-------------|---------|-----------------|------------|
| Variety Clone        | # Part      | # Trees | # Trees         | Restricted |
| UFR-14               |             |         | 2               | ®          |
| UFR-15               | 2           | 11      | 2               | ®          |
| UFR-16               | 4           | 44      | 2               | ®          |
| UFR-17 Green2        | 4           | 32      | 2               | ®          |
| Ugli DPI-74          | 1           | 1       | 1               |            |
| US-1102              |             |         | 3               | ®          |
| US-1103              |             |         | 1               | ®          |
| US-1104              |             |         | 2               | ®          |
| US-1105              |             |         | 2               | ®          |
| US-1130              |             |         | 3               | ®          |
| US-1137              |             |         | 3               | ®          |
| US-119               |             |         | 1               | ®          |
| US-1271              |             |         | 2               | ®          |
| US-1279              | 2           | 12      | 3               |            |
| US-1280              |             |         | 1               | ®          |
| US-1281              | 1           | 34      | 3               |            |
| US-1282              | 1           | 42      | 3               |            |
| US-1283              | 2           | 26      | 3               |            |
| US-1284              | 2           | 21      | 3               |            |
| US-1287              |             |         | 3               | ®          |
| US-1293              |             |         | 3               | ®          |
| US-1297              |             |         | 3               | ®          |
| US-1305              |             |         | 2               | ®          |
| US-1317              |             |         | 3               | ®          |
| US-1318              |             |         | 2               | ®          |
| US-1319              |             |         | 3               | ®          |
| US-1321              |             |         | 3               | ®          |
| US-1460              |             |         | 3               | ®          |
| US-1473              |             |         | 3               | ®          |
| US-1481              |             |         | 3               | ®          |
| US-1516              | 4           | 84      | 2               |            |
| US-1627              |             |         | 1               | ®          |
| US-1629              |             |         | 1               | ®          |
| US-1637              |             |         | 1               | ®          |
| US-1644              |             |         | 1               | ®          |
| US-1645              |             |         | 3               | ®          |
| US-1649              |             |         | 3               | ®          |
| US-1650              |             |         | 1               | ®          |
| US-1659              |             |         | 1               | ®          |
| US-1660              |             |         | 1               | ®          |
| US-1663              |             |         | 2               | ®          |
| US-1664              |             |         | 2               | ®          |
| US-1671              |             |         | 3               | ®          |
| US-1672              |             |         | 1               | ®          |
| US-1673              |             |         | 2               | ®          |
| US-1676              |             |         | 1               | ®          |
| US-1678              |             |         | 2               | ®          |
| US-1679              |             |         | 3               | ®          |
| US-1680              |             |         | 1               | ®          |
| US-1681              |             |         | 3               | ®          |

| Budwood Availability | Scion Trees |         | Chiefland Trees |            |
|----------------------|-------------|---------|-----------------|------------|
| Variety Clone        | # Part      | # Trees | # Trees         | Restricted |
| US-1687              |             |         | 1               | ®          |
| US-1688              |             |         | 2               | ®          |
| US-1689              |             |         | 1               | ®          |
| US-1690              |             |         | 3               | ®          |
| US-1692              |             |         | 1               | ®          |
| US-1694              |             |         | 3               | ®          |
| US-1695              |             |         | 2               | ®          |
| US-1696              |             |         | 1               | ®          |
| US-1701              |             |         | 2               | ®          |
| US-1705              |             |         | 2               | ®          |
| US-1709              |             |         | 1               | ®          |
| US-1710              |             |         | 2               | ®          |
| US-1721              |             |         | 1               | ®          |
| US-1730              |             |         | 2               | ®          |
| US-1740              |             |         | 2               | ®          |
| US-1741              |             |         | 2               | ®          |
| US-1742              |             |         | 1               | ®          |
| US-1744              |             |         | 1               | ®          |
| US-1745              |             |         | 1               | ®          |
| US-1750              |             |         | 2               | ®          |
| US-1753              |             |         | 2               | ®          |
| US-1755              |             |         | 1               | ®          |
| US-1756              |             |         | 1               | ®          |
| US-1757              |             |         | 2               | ®          |
| US-1805              |             |         | 1               | ®          |
| US-1837              |             |         | 1               | ®          |
| US-1845              |             |         | 2               | ®          |
| US-1851              |             |         | 2               | ®          |
| US-1859              |             |         | 1               | ®          |
| US-1865              |             |         | 2               | ®          |
| US-1867              |             |         | 1               | ®          |
| US-1872              |             |         | 1               | ®          |
| US-1879              |             |         | 1               | ®          |
| US-1888              |             |         | 1               | ®          |
| US-1892              |             |         | 1               | ®          |
| US-2101              |             |         | 2               | ®          |
| US-2102              |             |         | 2               | ®          |
| US-2103              |             |         | 2               | ®          |
| US-2104              |             |         | 2               | ®          |
| US-2105              |             |         | 2               | ®          |
| US-2106              |             |         | 2               | ®          |
| US-2107              |             |         | 1               | ®          |
| US-2108              |             |         | 2               | ®          |
| US-2109              |             |         | 1               | ®          |
| US-2110              |             |         | 2               | ®          |
| US-2111              |             |         | 3               | ®          |
| US-2121              |             |         | 1               | ®          |
| US-2122              |             |         | 1               | ®          |
| US-2127              |             |         | 1               | ®          |
| US-2131              |             |         | 1               | ®          |

| Budwood Availability | Scion Trees |         | Chiefland Trees |            |
|----------------------|-------------|---------|-----------------|------------|
| Variety Clone        | # Part      | # Trees | # Trees         | Restricted |
| US-2132              |             |         | 1               | ®          |
| US-2135              |             |         | 3               | ®          |
| US-2136              |             |         | 1               | ®          |
| US-2137              |             |         | 1               | ®          |
| US-2158              |             |         | 1               | ®          |
| US-2160              |             |         | 1               | ®          |
| US-2175              |             |         | 2               | ®          |
| US-2195              |             |         | 1               | ®          |
| US-2209              |             |         | 1               | ®          |
| US-2234              |             |         | 1               | ®          |
| US-2249              |             |         | 1               | ®          |
| US-2250              |             |         | 1               | ®          |
| US-2255              |             |         | 1               | ®          |
| US-2259              |             |         | 1               | ®          |
| US-2264              |             |         | 1               | ®          |
| US-2272              |             |         | 1               | ®          |
| US-2276              |             |         | 1               | ®          |
| US-2280              |             |         | 1               | ®          |
| US-2287              |             |         | 1               | ®          |
| US-2290              |             |         | 1               | ®          |
| US-2293              |             |         | 1               | ®          |
| US-2301              |             |         | 1               | ®          |
| US-2303              |             |         | 1               | ®          |
| US-2315              |             |         | 1               | ®          |
| US-2331              |             |         | 1               | ®          |
| US-2336              |             |         | 1               | ®          |
| US-2338              |             |         | 1               | ®          |
| US-2343              |             |         | 1               | ®          |
| US-2345              |             |         | 1               | ®          |
| US-2491              |             |         | 1               | ®          |
| US-2492              |             |         | 1               | ®          |
| US-2493              |             |         | 2               | ®          |
| US-2494              |             |         | 1               | ®          |
| US-376-10            |             |         | 3               | ®          |
| US-376-5             |             |         | 2               | ®          |
| US-376-6             |             |         | 2               | ®          |
| US-376-8             |             |         | 2               | ®          |
| US-377-V1            |             |         | 2               | ®          |
| US-377-V2            |             |         | 2               | ®          |
| US-378-G1            |             |         | 2               | ®          |
| US-378-G2            |             |         | 1               | ®          |
| US-801               |             |         | 2               | ®          |
| US-802               | 17          | 725     | 5               |            |
| US-812               | 14          | 689     | 2               |            |
| US-852               |             |         | 3               |            |
| US-896               | 1           | 10      | 1               | ®          |
| US-897               | 16          | 655     | 5               |            |
| US-942               | 20          | 1609    | 6               |            |
| USDA 1-105-106       |             |         | 4               | ®          |
| USDA 1-25-1          |             |         | 2               | ®          |

| Budwood Availability           | Scion Trees |         | Chiefland Trees |            |
|--------------------------------|-------------|---------|-----------------|------------|
| Variety Clone                  | # Part      | # Trees | # Trees         | Restricted |
| USDA 1-37-12                   |             |         | 2               | ®          |
| USDA 1-42-65                   |             |         | 2               | ®          |
| USDA 1-42-70                   |             |         | 2               | ®          |
| USDA 1-43-21                   |             |         | 2               | ®          |
| USDA 1-46-30                   |             |         | 2               | ®          |
| USDA 1-49-105                  |             |         | 3               | ®          |
| USDA 5-51-2                    |             |         | 3               | ®          |
| USDA 6-15-150                  |             |         | 2               | ®          |
| USDA 6-2-53                    |             |         | 2               | ®          |
| US Furr-ST                     |             |         | 5               |            |
| US Furr                        | 1           | 3       | 2               |            |
| US Honeycoat                   |             |         | 2               |            |
| US Ortanique-LS                |             |         | 2               |            |
| US Seedless Surprise           |             |         | 3               | ®          |
| US Sundragon                   | 2           | 3       | 2               |            |
| US Superna                     |             |         | 2               | ®          |
| Valencia -                     | 1           | 1       |                 |            |
| Valencia 10-12-7               |             |         | 1               |            |
| Valencia 51-3-3                |             |         | 1               |            |
| Valencia Appleby UF 11-71      |             |         | 1               | ®          |
| Valencia F-55-1                |             |         | 1               |            |
| Valencia F-55-23               | 1           | 4       | 1               |            |
| Valencia F-55-28               |             |         | 1               |            |
| Valencia F-55-4                | 9           | 126     | 37              |            |
| Valencia Jenner UF 19-39       |             |         | 2               | ®          |
| Valencia Late UF N10-13        |             |         | 3               | ®          |
| Valencia Late UF N7-2          |             |         | 2               | ®          |
| Valencia Mid UF OLL20          | 3           | 9       | 2               | ®          |
| Valencia Navel 522-15-14       | 1           | 13      |                 |            |
| Valencia SL UF 2-21            |             |         | 2               | ®          |
| Valencia SPB-1-12-7            |             |         | 3               |            |
| Valencia SPB-1-14-19           | 22          | 607     | 99              |            |
| Valencia SPB-1-14-31           | 3           | 36      | 5               |            |
| Valencia UF 1-56               |             |         | 2               | ®          |
| Valencia UF 1-62               |             |         | 2               | ®          |
| Valencia UF B9-65              | 4           | 14      | 5               | ®          |
| Valencia UF BHG2-68            |             |         | 2               | ®          |
| Valencia UF C2A-1-23           |             |         | 1               | ®          |
| Valencia UF N40-16-7-11        |             |         | 1               | ®          |
| Valencia UF N7-10              |             |         | 2               | ®          |
| Valencia UF N9-12              |             |         | 2               | ®          |
| Valenfresh UF N7-3             |             |         | 4               | ®          |
| Valquarius LT UF SF14W-62      | 5           | 11      | 7               | ®          |
| Valquarius UF SF14W-62         | 3           | 5       | 2               | ®          |
| Vangasay Le US 9-1-23          |             |         | 1               |            |
| Variegated Minneola F-2-4      |             |         | 1               |            |
| Variegated Pink Le US          | 3           | 5       | 4               |            |
| Variegated Rough Le US 10-6-11 |             |         | 1               |            |
| Variegated S/O US 18-4         |             |         | 1               |            |
| Varn Navel SPB-194-10-2        |             |         | 2               |            |

| Budwood Availability          | Scion Trees |         | Chiefland Trees |            |
|-------------------------------|-------------|---------|-----------------|------------|
| Variety Clone                 | # Part      | # Trees | # Trees         | Restricted |
| Verna Le DPI-203-20-b         | 1           | 3       | 1               | ®          |
| Vernia UF 35-15               | 15          | 319     | 18              |            |
| Vernia UF 35-16               | 1           | 2       |                 |            |
| Vernia UF C2-2-1              |             |         | 2               |            |
| Vernia UF C2A-1-10            | 1           | 1       | 4               | ®          |
| Volkamer Le US 9-2-19         | 3           | 59      | 3               |            |
| Wash Navel F-60-13            | 1           | 1       |                 |            |
| Wash Navel F-60-18            | 1           | 3       | 2               |            |
| Wash Navel F-60-19            | 2           | 2       | 5               |            |
| Weeping Dragon                |             |         | 1               |            |
| Wekiwa US 11-7                |             |         | 3               |            |
| Westin UF 47-13               | 1           | 1       |                 |            |
| Westin UF 47-2                |             |         | 2               |            |
| WG Man 911-02                 | 1           | 3       |                 |            |
| WG Man 911-03                 | 1           | 3       | 2               |            |
| WG Man 911-17                 | 1           | 1       | 2               | ®          |
| WG Man 911-32                 | 1           | 2       | 2               |            |
| WG Man 911-B-23               | 1           | 1       | 1               |            |
| WG Man 911-B-24               | 1           | 1       | 1               |            |
| WG Man 911-B-26               | 1           | 1       | 1               |            |
| WG Man 911-B-37               | 1           | 1       | 1               |            |
| WG Man 911-C-34               | 1           | 1       | 1               |            |
| WG Man 911-C-37               | 1           | 4       | 3               |            |
| WG Man 911-E-22               | 1           | 1       | 4               |            |
| WG Man 911-E-26               | 1           | 1       | 3               | ®          |
| WG Man 911-E-28               | 1           | 1       | 1               |            |
| Wheeny Gft CGIP-183           |             |         | 2               |            |
| White Man UF 6-16-116         |             |         | 2               | ®          |
| White Orange DPI-203-18       |             |         | 2               |            |
| White Tangelo 956-1           |             |         | 1               |            |
| Wild Turkey Navel 941-11-30-1 |             |         | 1               |            |
| Willits US 12-8-19            | 2           | 83      | 1               |            |
| Willowleaf Man SPB-89-1-1     |             |         | 1               |            |
| Willowleaf S/O F-12-9         |             |         | 1               |            |
| Winola CGIP-165               | 1           | 2       |                 |            |
| W Murcott CGIP-122            | 4           | 10      | 5               |            |
| X-639 DPI-50-8                | 15          | 857     | 3               |            |
| Xie Shan Sat CGIP-163         | 1           | 1       | 4               |            |
| Yellow Gft 345-1-15           | 1           | 1       |                 |            |
| Yosemite Gold CGIP-141        | 1           | 1       | 3               | ®          |
| Yuzu F-9-15                   | 1           | 1       | 1               |            |