A special survey was conducted on January 31, 2011 and February 1, 2011 to assess the effect of sub‑freezing temperatures that occurred throughout the Florida citrus producing region during the month of December 2010. Using the Federal-State Inspection Service standards, fruit was cut and scored for damage at depths of ¼‑inch, ½‑inch, and at the center, recording the point of greatest severity of damage.

The tables below show the distribution and severity of fruit damage. For all varieties, the majority of samples observed fell into the “no damage apparent” category.

|  |
| --- |
| **Florida Citrus — Condition of Fruit on Trees by Fruit Type: February 1, 2011** |
| Fruit type(Number of groves) | No damageapparent | Damage at¼-inch cut | Damage at½-inch cut | Damage at center cut |
| Minor | Major |
|  | (percent) | (percent) | (percent) | (percent) | (percent) |
| **Oranges:** |  |  |  |  |  |
| Early (28) | 56.7 | 17.8 | 8.5 | 13.4 | 3.6 |
| Midseason (13) | 51.9 | 15.4 | 13.5 | 6.7 | 12.5 |
| Late (147) | 78.9 | 10.6 | 6.0 | 3.8 | 0.7 |
| **Grapefruit:** |  |  |  |  |  |
| White (45) | 93.4 | 3.6 | 1.9 | 1.1 | - |
| Colored (33) | 91.3 | 3.0 | 2.3 | 3.4 | - |
| - Represents zero. |
| **Florida Citrus — Condition of Fruit on Trees by Production Area and Fruit Type: February 1, 2011** |
| Production Area | No damageapparent | Damage at¼-inch cut | Damage at½-inch cut | Damage at center cut |
| Minor | Major |
| E & M | Late | Gft | E & M | Late | Gft | E & M | Late | Gft | E & M | Late | Gft | E & M | Late | Gft |
|  | (percent) | (percent) | (percent) | (percent) | (percent) |
| Indian River | (NA) | 64.8 | 94.3 | (NA) | 13.4 | 2.7 | (NA) | 10.2 | 1.4 | (NA) | 10.7 | 1.6 | (NA) | 0.9 | - |
| Northern | (NA) | 52.5 | (NA) | (NA) | 17.5 | (NA) | (NA) | 12.5 | (NA) | (NA) | 7.5 | (NA) | (NA) | 10.0 | (NA) |
| Central | 46.2 | 89.1 | 94.6 | 26.2 | 6.2 | 3.6 | 11.3 | 1.6 | 1.8 | 12.5 | 3.1 | - | 3.8 | - | - |
| Western | 53.1 | 88.3 | (NA) | 15.6 | 4.4 | (NA) | 9.4 | 4.4 | (NA) | 11.3 | 2.2 | (NA) | 10.6 | 0.7 | (NA) |
| Southern | 54.7 | 73.8 | 77.8 | 15.6 | 17.1 | 8.4 | 14.0 | 8.2 | 6.9 | 14.1 | 0.9 | 6.9 | 1.6 | - | - |
| Total | 55.2 | 78.9 | 92.4 | 17.1 | 10.5 | 3.4 | 10.0 | 6.1 | 2.1 | 11.3 | 3.8 | 2.1 | 6.4 | 0.7 | - |
|  - Represents zero.(NA) Not available. |

The next two tables show the distribution and severity of leaf damage. For all varieties, the majority of samples observed fell into the “no leaf damage” category.

|  |
| --- |
| **Florida Citrus — Leaf Damage by Fruit Type: February 1, 2011** |
| Fruit type(Number of groves) | No leaf damage | Minor leaf damage | Major leaf Damage | Serious leaf damage |
|  | (percent) | (percent) | (percent) | (percent) |
| **Oranges:** |  |  |  |  |
| Early (28) | 75.9 | 21.4 | - | 2.7 |
| Midseason (13) | 88.5 | 11.5 | - | - |
| Late (147) | 89.5 | 10.0 | 0.5 | - |
| **Grapefruit:** |  |  |  |  |
| White (45) | 95.0 | 4.4 | 0.6 | - |
| Colored (33) | 91.6 | 7.6 | 0.8 | - |
| - Represents zero. |

|  |
| --- |
| **Florida Citrus — Leaf Damage by Production Area and Fruit Type: February 1, 2011** |
| Production Area | No leaf damage | Minor leaf damage | Major leaf Damage | Serious leaf damage |
| E & M | Late | Gft | E & M | Late | Gft | E & M | Late | Gft | E & M | Late | Gft |
|  | (percent) | (percent) | (percent) | (percent) |
| Indian River | 100.0 | 97.2 | 97.5 | - | 2.8 | 2.5 | - | - | - | - | - | - |
| Northern | (NA) | 75.0 | (NA) | (NA) | 20.0 | (NA) | (NA) | 5.0 | (NA) | (NA) | - | (NA) |
| Central | 100.0 | 100.0 | 85.7 | - | - | 10.7 | - | - | 3.6 | - | - | - |
| Western | 80.0 | 94.1 | 75.0 | 16.2 | 4.4 | 25.0 | - | 1.5 | - | 3.8 | - | - |
| Southern | 46.9 | 71.9 | 75.0 | 53.1 | 28.1 | 22.2 | - | - | 2.8 | - | - | - |
| Total | 79.9 | 89.5 | 93.6 | 18.3 | 10.0 | 5.8 | - | 0.5 | 0.6 | 1.8 | - | - |

 - Represents zero.

(NA) Not available.