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18 MUSCADINE CULTIVARS ADAPTED TO FLORIDA

By J. A. Mortensen

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| Cultivars                         | Use         | Mechanical harvest |
|-----------------------------------|-------------|--------------------|
| Black, female <sup>1</sup>        |             |                    |
| Thomas                            | fresh, wine | yes                |
| Hunt                              | fresh, wine | yes                |
| Pride                             | fresh       | yes                |
| Jumbo                             | fresh       | doubtful           |
| Creek                             | wine        | doubtful           |
| Black, self-fertile <sup>2</sup>  |             |                    |
| Southland                         | fresh, wine | yes                |
| Magoon                            | fresh, wine | yes                |
| Cowart                            | fresh       | yes                |
| Chief                             | juice, wine | yes                |
| Albemarle                         | fresh       | yes                |
| Tarheel                           | wine        | yes                |
| Bronze, female <sup>1</sup>       |             |                    |
| Fry                               | fresh       | no                 |
| Higgins                           | fresh       | no                 |
| Scuppernong                       | wine        | yes                |
| Bronze, self-fertile <sup>2</sup> |             |                    |
| Carlos                            | wine        | yes                |
| Dearing                           | wine        | doubtful           |
| Welder                            | fresh       | yes                |
| Magnolia                          | fresh       | no                 |

<sup>1</sup> Female cultivars require a self-fertile cultivar within 25 feet in order to set a full crop of fruit.

<sup>2</sup> Self-fertile cultivars bear fruit alone and serve as pollinators for female cultivars.

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Table 2. Soluble solids content and mean fruit weight of several cantaloupe cultivars at Leesburg, 1969-1972.

| Cultivar          | Soluble solids (%) |      |      |      | Pounds per melon |      |      |      |
|-------------------|--------------------|------|------|------|------------------|------|------|------|
|                   | 1969               | 1970 | 1971 | 1972 | 1969             | 1970 | 1971 | 1972 |
| Harper Hybrid     |                    |      | 13.1 |      |                  |      | 2.7  |      |
| Dulce             |                    | 11.9 |      |      |                  | 1.3  |      |      |
| Samson Hybrid     | 11.8               | 11.0 | 10.6 | 11.2 | 2.7              | 2.5  | 3.5  | 3.2  |
| Golden Perfection |                    |      |      | 11.2 |                  |      |      | 2.3  |
| Edisto            | 10.9               |      |      |      | 2.9              |      |      |      |
| Saticoy Hybrid    | 11.5               | 10.0 | 10.7 | 11.1 | 3.1              | 3.1  | 3.9  | 3.7  |
| Edisto 47         |                    | 11.6 | 9.6  | 11.4 |                  | 2.5  | 4.1  | 4.1  |
| Burpee Hybrid     |                    |      |      | 10.5 |                  |      |      | 3.2  |
| Super Market      |                    | 10.3 |      |      |                  | 2.4  |      |      |
| Gulfstream        |                    |      |      | 10.2 |                  |      |      | 2.7  |
| Planters Jumbo    | 9.7                | 9.0  | 10.8 | 10.9 | 3.1              | 3.1  | 4.6  | 4.3  |
| Gulfcoast         | 11.1               | 9.0  | 10.2 |      | 3.8              | 3.1  | 3.0  |      |
| Southland         |                    |      | 10.2 | 8.7  |                  |      | 3.4  | 3.5  |
| Hales Best Jumbo  | 9.4                | 7.5  |      |      | 3.1              | 3.2  |      |      |
| Harvest Queen     |                    |      |      | 7.0  |                  |      |      | 3.2  |

Table 3. General disease resistance and downy mildew resistance of several cantaloupe cultivars at Leesburg, 1969-1972.

| Cultivar          | Disease resistance rating <sup>Z</sup> |      |              |      |
|-------------------|--|------|--------------|------|
|                   | General                                |      | Downy mildew |      |
|                   | 1969                                   | 1971 | 1971         | 1972 |
| Planters Jumbo    | 5                                      | 4    | 5            | 4    |
| Samson Hybrid     | 5                                      | 4    | 4            | 3    |
| Edisto 47         |  | 4    | 3            | 3    |
| Southland         |  | 4    | 4            | 1    |
| Gulfcoast         | 4                                      | 3    | 3            |      |
| Gulfstream        |  |      |              | 3    |
| Golden Perfection |  |      |              | 3    |
| Hales Best Jumbo  | 2                                      |      |              |      |
| Saticoy Hybrid    | 1                                      | 2    | 2            | 2    |
| Edisto            | 1                                      |      |              |      |
| Harper Hybrid     |  | 1    | 1            |      |
| Harvest Queen     |  |      |              | 1    |
| Burpee Hybrid     |  |      |              | 1    |

<sup>Z</sup> Rated from 1 to 5 with increasing disease resistance by Dr. D. L. Hopkins, Assistant Plant Pathologist.