

6. STEM:

_____ Stem Shape (in cross-section): 1 = Round 2 = Angular
 _____ mm Diameter at Second Node
 _____ Stem Surface : 1 = Glabrous 2 = Scabrous 3 = Pubescent 4 = Bristled
 _____ cm Vine Length (at last harvest)
 _____ No. of Internodes (at last harvest)
 _____ Ratio: cm Vine Length ÷ No. of Internodes (at last harvest)

_____ Stem Shape
 _____ mm Diameter at Second Node
 _____ Stem Surface
 _____ cm Vine Length
 _____ No. of Internodes
 _____ cm Vine Length ÷ No. of Internodes

7. LEAF:

_____ Leaf Shape: 1 = Ovate 2 = Obovate 3 = Round
 _____ Leaf Lobes: 1 = None 2 = Lobed
 _____ cm Leaf Length
 _____ cm Leaf Width
 _____ Leaf Size: 1 = Longer Than Wide 2 = Length-Width Equal 3 = Wider Than Long
 _____ Dorsal Surface Pubescence : 1 = Smooth 2 = Pubescent
 _____ Ventral Surface Pubescence : 1 = Smooth 2 = Pubescent
 _____ Leaf Color : 1 = Light Green 2 = Gray Green 3 = Medium Green
 4 = Dark Green 5 = Other (specify) : _____
 Color Chart Name: _____ Color Chart Value : _____

_____ Leaf Shape
 _____ Leaf Lobes
 _____ cm Leaf Length
 _____ cm Leaf Width
 _____ Leaf Size Ratio
 _____ Dorsal Surface Pubescence
 _____ Ventral Surface Pubescence
 _____ Leaf Color
 Color Chart Value : _____

8. FLOWER:

_____ cm diameter across Staminate
 _____ cm diameter across Pistillate
 _____ cm diameter across Perfect
 _____ Flower Color : 1 = Lemon Yellow 2 = Yellow 3 = Orange
 4 = Other (specify) : _____
 Color Chart Name: _____ Color Chart Value : _____

_____ cm diameter across Staminate
 _____ cm diameter across Pistillate
 _____ cm diameter across Perfect
 _____ Flower Color
 Color Chart Value : _____

9. MATURE FRUIT:

_____ Fruit Shape: 1 = Round 2 = Oval 3 = Cylindrical
 _____ cm Long
 _____ cm Diameter at Midsection
 _____ kg Average Weight
 _____ kg Maximum Fruit Weight
 _____ Index = Length ÷ Diameter x 10
 _____ Fruit Surface: 1 = Smooth 2 = Slightly Grooved 3 = Deeply Grooved
 _____ Skin Color Pattern: 1 = Solid (One Color) 2 = Stripe 3 = Mottle/Net
 _____ Primary Color: 1=Yellow Green (Desert King) 2=Light Green (Charleston Grey)
 3=Medium Green (Sugar Baby) 4 = Dark Green (Florida Giant)
 5 = Other (Specify) _____
 Color Chart Name: _____ Color Chart Value : _____
 _____ Secondary Color: 1=Yellow Green 2=Light Green
 3=Medium Green 4=Dark Green
 5=Other (Specify) _____
 Color Chart Name: _____ Color Chart Value : _____

_____ Fruit Shape
 _____ cm Long
 _____ cm Diameter at Midsection
 _____ kg Average Weight
 _____ kg Maximum Fruit Weight
 _____ Index = Length ÷ Diameter x 10
 _____ Fruit Surface
 _____ Skin Color Pattern
 _____ Primary Color
 Color Chart Value : _____
 _____ Secondary Color
 Color Chart Value : _____

Application Variety Data

Comparison Variety Data

10. RIND:

_____ Rind Texture: 1 = Tender 2 = Brittle 3 = Tough
 ___ mm Thickness Blossom End
 ___ mm Thickness Sides

_____ Rind Texture
 ___ mm Thickness Blossom End
 ___ mm Thickness Sides

11. FLESH:

_____ Flesh Texture: 1 = Crisp 2 = Soft
 _____ Flesh Coarseness: 1 = Course Fibrous 2 = Fine – Little Fiber
 _____ Flesh Color: 1=White 2=Yellow 3=Orange 4=Pink 5=Red 6=Dark Red
 Color Chart Name: _____ Color Chart Value : _____
 ___ % Refractometer: % Soluble Solids of Juice (Center of Fruit)
 ___ % Hollow Heart
 ___ % Placental Separation
 ___ % Transverse Crack

_____ Flesh Texture
 _____ Flesh Coarseness
 _____ Flesh Color
 Color Chart Value : _____
 ___ % Soluble Solids of Juice
 ___ % Hollow Heart
 ___ % Placental Separation
 ___ % Transverse Crack

12. SEED:

_____ Seed Size : 1 = Small 2 = Medium 3 = Large
 ___ mm Long
 ___ mm Wide
 ___ mm Thick
 ___ Index ÷ Length ÷ Width x 10
 ___ gm Per 1000 Seeds
 ___ No. Seeds Per Fruit
 _____ Seed Color: 1 = White 2 = White-Tan Tipped 3 = White-Pink Tipped
 4 = Tan 5 = Green 6 = Red
 7 = Dark Brown 8 = Dark Brown Mottled 9 = Black
 10 = Mottled Black 11 = Other (specify): _____
 Color Chart Name: _____ Color Chart Value : _____

_____ Seed Size
 ___ mm Long
 ___ mm Wide
 ___ mm Thick
 ___ Index ÷ Length ÷ Width x 10
 ___ gm Per 1000 Seeds
 ___ No. Seeds Per Fruit
 _____ Seed Color
 Color Chart Value : _____

13. DISEASE RESISTANCE: (0 = Untested, 1 = Susceptible, 2 = Resistant)

_____ Anthracnose (Race _____)
 _____ Downy Mildew (Race _____)
 _____ Fusarium Wilt (Race _____)
 _____ Gummy Stem Blight
 _____ Squash Mosaic
 _____ Watermelon Mosaic
 _____ Powdery Mildew (Race _____)
 _____ Cucumber Mosaic
 _____ Other (Specify) _____

_____ Anthracnose (Race _____)
 _____ Downy Mildew (Race _____)
 _____ Fusarium Wilt (Race _____)
 _____ Gummy Stem Blight
 _____ Squash Mosaic
 _____ Watermelon Mosaic
 _____ Powdery Mildew (Race _____)
 _____ Cucumber Mosaic
 _____ Other (Specify) _____

Application Variety Data

Comparison Variety Data

14. OTHER RESISTANCE: (0 = Untested, 1 = Susceptible, 2 = Resistant)

_____ Sunburn
 _____ Root Knot
 _____ Other (Specify) _____

_____ Sunburn
 _____ Root Knot
 _____ Other (Specify) _____

15. Describe any unique features that are not listed in the current 'Exhibit C' and/or are strongly environmentally dependent or occur sporadically (i.e.: peduncle characteristics, immature or mature fruit length or contents, width, or weight, styler scar size, pollen color, seed-coat characteristics, branching, etc.):**16. On additional pages, attach photographs of mature fruits of both the application variety and the comparison variety, showing external and internal coloring, with a ruler in the photograph to indicate scale.**

Additional photographs of the plant, flowers, immature fruits, or other plant parts could also be helpful in providing a full description of the variety to readers. Please provide such photographs if you believe they would be helpful.

REFERENCES:

1. Goldman, A. 2002. Melons for the Passionate Grower. Artisan, New York.
2. Frey, K.J. 1966. *Plant Breeding – Symposium*. 1 ed. Iowa State University Press.
3. Ware, G. W. and McCollum, J.P. 1968. *Producing Vegetable Crops*. Interstate Printers & Publishers, Inc. Danville, Illinois.
4. Whitaker, T.W. and Davis, G.N. 1962. *Cucurbits*. Interscience Publishers, Inc. New York.
5. Munsell Book of Color, Royal Horticultural Society, or any recognized color chart should be used to determine the plant colors of the described variety.