

Mean rind thickness for the watermelon cultivars evaluated in North Carolina in replicated trials conducted between 1995 and 2002, along with type, flesh, and rind color descriptors

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Cultivar name	Cultivar type ^z	Seed source ^y	Fruit type	Flesh color	Rind color ^x	Years of trial ^w	Rind th. (mm) ^v
Group 1: rind thickness > 19 mm							
Fantastik	F1	A. & C.	Seedless	Red	MD	1	24
Sweetheart	F1	Zer. Ged.	Seedless	Red	MS	1	24
Triple Crown	F1	Seedw.	Seedless	Red	MD	1	24
Jubilee	F1	Will.	Seeded	Red	NR	1	23
Slice-N-Serve 830	F1	Southw.	Seedless	Red	MD	2	23
Summer Sweet 5032	F1	A. & C.	Seedless	Red	WD	1	23
Trillion	F1	A. & C.	Seedless	Red	MD	2	23
Triple Prize	F1	Seedw.	Seedless	Red	MD	1	23
Tri-X-Carousel	F1	Syng.	Seedless	Red	WD	2	23
Arriba	F1	Holl.	Seeded	Red	MD	1	22
Charleston GR	OP	Will.	Seeded	Red	GR	1	22
Desert King	OP	Will.	Seeded	Salmon Yellow	LS	1	22
Elation	F1	D. Palm.	Seeded	Red	MD	1	22
Mara	F1	Uni. Gen.	Seeded	Red	WD	1	22
Montreal	F1	Suns.	Seeded	Red	WD	2	22
Royal Jubilee	F1	Sem.	Seeded	Red	NR	1	22
Starbrite	F1	Sem.	Seeded	Red	NR	5	22
Summer Flavor 800	F1	A. & C.	Seeded	Red	WD	2	22
Athens	F1	Suns.	Seeded	Red	WD	2	21
Cooperstown	F1	Sem.	Seedless	Red	MD	2	21
Disko	F1	Haz.	Seedless	Red	MD	1	21
Dumara	F1	Sem.	Seeded	Red	WD	2	21
Enchantment	F1	D. Palm.	Seedless	Red	WD	1	21
Premiere	F1	Southw.	Seedless	Red	WD	2	21
Revolution	F1	Suns.	Seedless	Red	WD	4	21
Stargazer	F1	Sem.	Seeded	Red	WD	3	21
Sterling	F1	Holl.	Seeded	Red	-	1	21
Summer Sweet 2532	F1	A. & C.	Seedless	Red	WD	1	21
Summer Sweet 5244	F1	A. & C.	Seedless	Red	WD	1	21
Sweet Eat-N	F1	D. Palm.	Seedless	Red	MD	2	21
Tri-X-Palomar	F1	Syng.	Seedless	Red	NR	5	21
Triple Sweet	F1	Syng.	Seedless	Red	MD	2	21
Afternoon Delight	F1	D. Palm.	Seedless	Red	MD	2	20
Amarillo	F1	Syng.	Seedless	Canary Yellow	NR	1	20
Butterball	F1	D. Palm.	Seedless	Canary Yellow	NR	1	20
Buttercup	F1	Sutt.	Seedless	Canary Yellow	NR	2	20
Celebration	F1	Syng.	Seeded	Red	WD	3	20
Constitution	F1	Suns.	Seedless	Red	MD	2	20
Corporal	F1	Sem.	Seeded	Red	WD	1	20
Delta	F1	Sem.	Seeded	Red	MD	2	20
Falcon	F1	Sem.	Seeded	Red	WD	2	20
Gem-Dandy	F1	Will.	Seedless	Red	MD	4	20
Pinata (Large Seeds)	F1	Will.	Seedless	Red	WD	4	20

Cultivar name	Cultivar type ^z	Seed source ^y	Fruit type	Flesh color	Rind color ^x	Years of trial ^w	Rind th. (mm) ^v
Stars-N-Stripes	F1	Sem.	Seeded	Red	MD	2	20
Summer Flavor 900	F1	A. & C.	Seeded	Red	WD	1	20
Sunsation	F1	D. Palm.	Seedless	Red	MD	1	20
Sweet Slice	F1	Will.	Seedless	Red	MD	1	20
Tastigold	F1	Will.	Seeded	Canary Yellow	LS	1	20
Wrigley	F1	Sem.	Seedless	Red	MD	1	20
Yellow Rose	F1	Syng.	Seeded	Canary Yellow	MD	2	20
Group 2: rind thickness = 10-19 mm							
Ace of Hearts	F1	Sem.	Seedless	Red	WD	1	19
Crimson Sweet	OP	Will.	Seeded	Red	MD	5	19
Festival	F1	Will.	Seeded	Red	WD	4	19
Freedom	F1	Suns.	Seedless	Red	NR	5	19
Gold Strike	F1	Will.	Seeded	Salmon Yellow	MD	1	19
Gypsy	F1	Sem.	Seedless	Red	MD	3	19
Millionaire	F1	H. Mor.	Seedless	Red	MD	6	19
Omega	F1	Sem.	Seedless	Red	WD	1	19
Orange Sunshine	F1	U.S. Seed.	Seedless	Orange	MD	2	19
Orange Sweet	F1	U.S. Seed.	Seedless	Orange	NR	2	19
Orangeglo	OP	Will.	Seeded	Orange	MD	1	19
Sapphire	F1	Holl.	Seedless	Red	-	1	19
Seedless Sangria	F1	Syng.	Seedless	Red	WD	1	19
Sentinel	F1	Sem.	Seeded	Red	WD	3	19
Sugar Slice	F1	Will.	Seedless	Red	MD	1	19
Supersweet 700	F1	A. & C.	Seeded	Red	NR	1	19
Summer Sweet 5244	F1	A. & C.	Seedless	Red	MD	5	19
Tri-X-313	F1	Syng.	Seedless	Red	WD	6	19
Boston	F1	Suns.	Seedless	Red	NR	2	18
Crimson Trio	F1	Syng.	Seedless	Red	NR	4	18
Deuce of Hearts	F1	Sem.	Seedless	Red	NR	1	18
Dulce	F1	D. Palm.	Seedless	Red	WD	1	18
Genesis	F1	Sham.	Seedless	Red	-	2	18
Jamboree	F1	Syng.	Seeded	Red	WD	1	18
Lady	F1	D. Palm.	Seeded	Red	NR	1	18
Summer Flavor 910	F1	A. & C.	Seeded	Red	WD	1	18
Super Gold	F1	Will.	Seeded	Canary Yellow	WD	2	18
Vista	F1	Holl.	Seeded	Red	NR	1	18
Big Stripe	F1	Will.	Seeded	Red	MD	2	17
Black Diamond	OP	Will.	Seeded	Red	DS	2	17
Compadre	F1	D. Palm.	Seeded	Red	WD	1	17
Fiesta	F1	Syng.	Seeded	Red	WD	7	17
Imagination	F1	Syng.	Seedless	Red	DS	1	17
Mardi Gras	F1	Syng.	Seeded	Red	WD	5	17
Regency	F1	Sem.	Seeded	Red	MD	5	17
Seville	F1	Holl.	Seeded	Red	MD	2	17
Summer Gold	F1	Will.	Seeded	Salmon Yellow	MD	2	17
Tendersweet Orange	OP	Will.	Seeded	Orange	MD	2	17
Yellow Crimson	OP	Will.	Seeded	Canary Yellow	MD	1	17
AU-Golden Producer	OP	Will.	Seeded	Salmon Yellow	MD	1	16
Fenway	F1	Sem.	Seedless	Red	MD	1	16
Honey Heart	F1	Sem.	Seedless	Canary Yellow	-	1	16
Patriot	F1	Will.	Seeded	Red	MD	2	16

Cultivar name	Cultivar type ^z	Seed source ^y	Fruit type	Flesh color	Rind color ^x	Years of trial ^w	Rind th. (mm) ^v
Gold	F1	Sham.	Seedless	Canary Yellow	-	2	16
Sugarheart	F1	Zer. Ged.	Seedless	Red	MD	1	16
Triton	F1	Sem.	Seedless	Canary Yellow	NR	2	16
Tri-X-Shadow	F1	Syng.	Seedless	Red	MS	5	16
Vertigo	F1	Haz.	Seedless	Red	WD	1	16
Desert Storm	F1	Will.	Seeded	Red	WD	2	15
Millenium	F1	H. Mor.	Seedless	Red	NR	5	15
Rojo Grande	F1	Will.	Seeded	Red	WD	1	15
Sugar Baby	OP	Will.	Seeded	Red	DS	1	15
Sultan	F1	H. Mor.	Seeded	Red	WD	2	15
Plantation Pride	F1	D. Palm.	Seeded	Red	WD	1	14
Baron	F1	Syng.	Seeded	Red	MS	2	13
Ole'	F1	Will.	Seeded	Red	WD	1	13
Royal Flush	F1	Sem.	Seeded	Red	WD	2	13
Yellow Doll	F1	Sem.	Seeded	Canary Yellow	NR	2	11
Sunshine	F1	John.	Seedless	Red	MD	1	10
Group 3: rind thickness < 10 mm							
Emperor	F1	Sem.	Seeded	Red	MD	1	8
Scarlet Trio	F1	Syng.	Seedless	Red	NR	1	8
Carnival	F1	Syng.	Seeded	Red	MD	1	7

Statistics

LSD ^u		4
Mean	Overall	18
	Seedless	19
	Seeded	18
	Red flesh	19
	Orange / yellow flesh	8
Maximum		24
Minimum		7

^z F₁ = hybrid cultivar; OP = inbred cultivar

^y A. & C. = Abbott & Cobb, Feasterville, Pennsylvania; D. Palm. = D. Palmer Seed Co., Inc., Yuma, Arizona; H. Mor. = Harris Moran, Modesto, California; Haz. = Hazera Seeds, Inc., El Segundo, California; Holl. = Hollar Seeds, Rocky Ford, Colorado; John. = Johnny's Selected Seeds, Winslow, Maine; Seedw. = Seedway, Inc., Hall, New York; Sem. = Seminis, Inc., Oxnard, California; Sham. = Shamrock Seed Company, Inc., Salinas, California; Southw. = Southwestern Vegetable Seed Co., L.L.C., Casa Grande, Arizona; Suns. = Sunseeds, Parma, Idaho; Sutt. = Sutter Seeds, L.L.C., Yuba City, California; Syng. = Syngenta Seeds, Inc., Golden Valley, Minnesota; U.S. Seed. = U.S. Seedless, L.L.C., Falls Church, Virginia; Uni. Gen. = United Genetics, Hollister, California; Will. = Willhite Seed, Inc., Poolville, Texas; Zer. Ged. = Zeraim Gedera, Gedera, Israel

^x NR, MD, WD = narrow, medium, and wide dark green stripes on light green background, respectively; GR = gray; LS, MS, DS = light, medium, and dark solid green, respectively

^w Each year of trial was a randomized complete block design with 1 location in North Carolina (Clayton, Clinton, Kinston, or Chowan Co.), 1 year (1995-2002), and 3 replications

^v Rind thickness was measured on mature fruit in millimeters from the outer edge of the fruit to the boundary between white mesocarp and colored endocarp for each harvest up to 5 fruit per plot (25.4 mm = 1 inch); fruit were cut longitudinally and rind thickness measured at mid-length

^u LSD = Fisher's Protected Least Significant Difference, $\alpha=0.05$