



UNIVERSITY OF GEORGIA
EXTENSION

2023 Spring Watermelon Trials

Ted McAvoy

Vegetable Extension Specialist

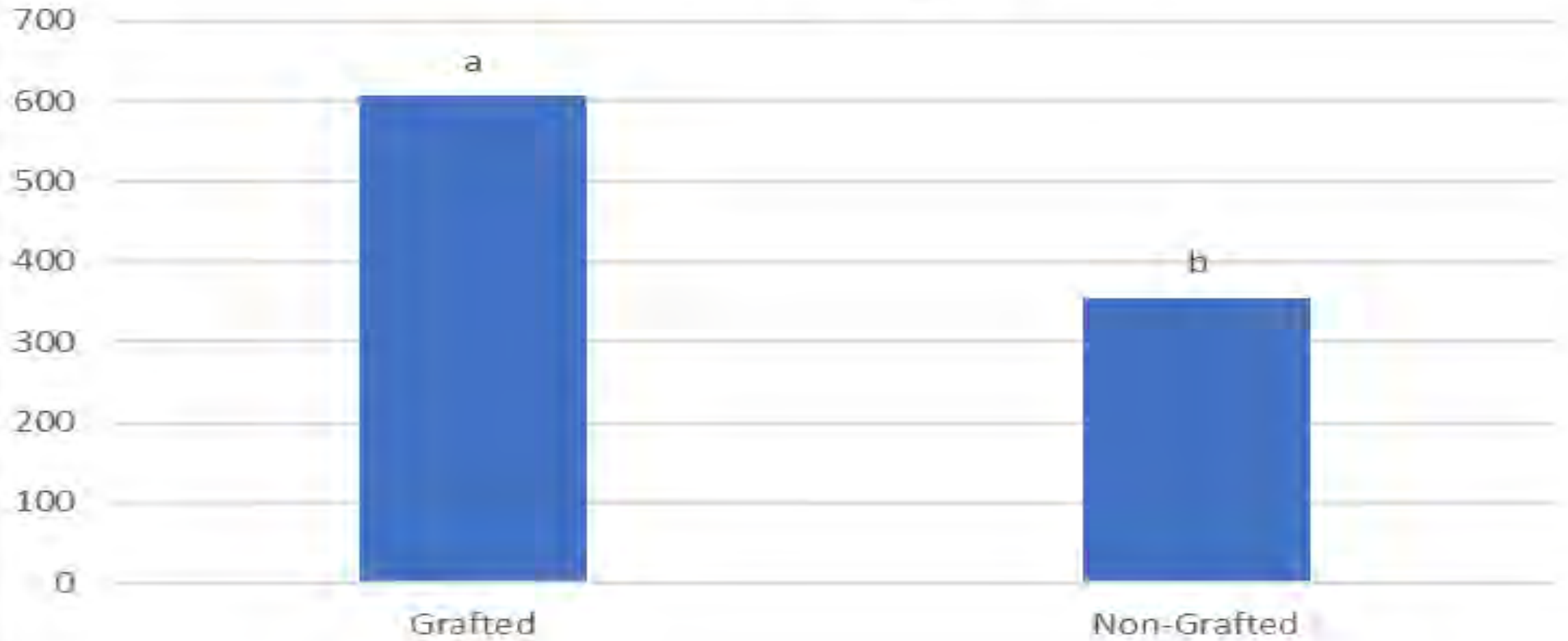
University of Georgia

Tifton Campus

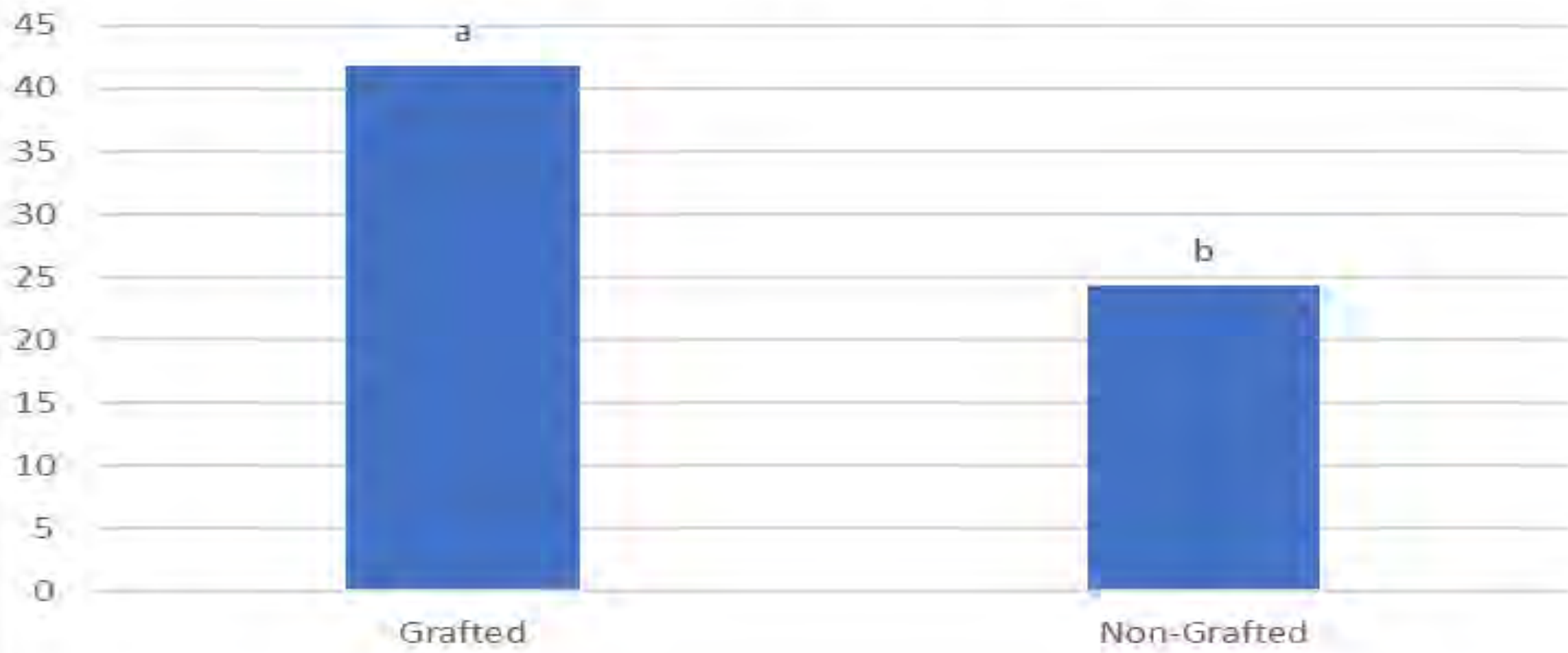
Grafted Watermelon – Cordelle and Berrien



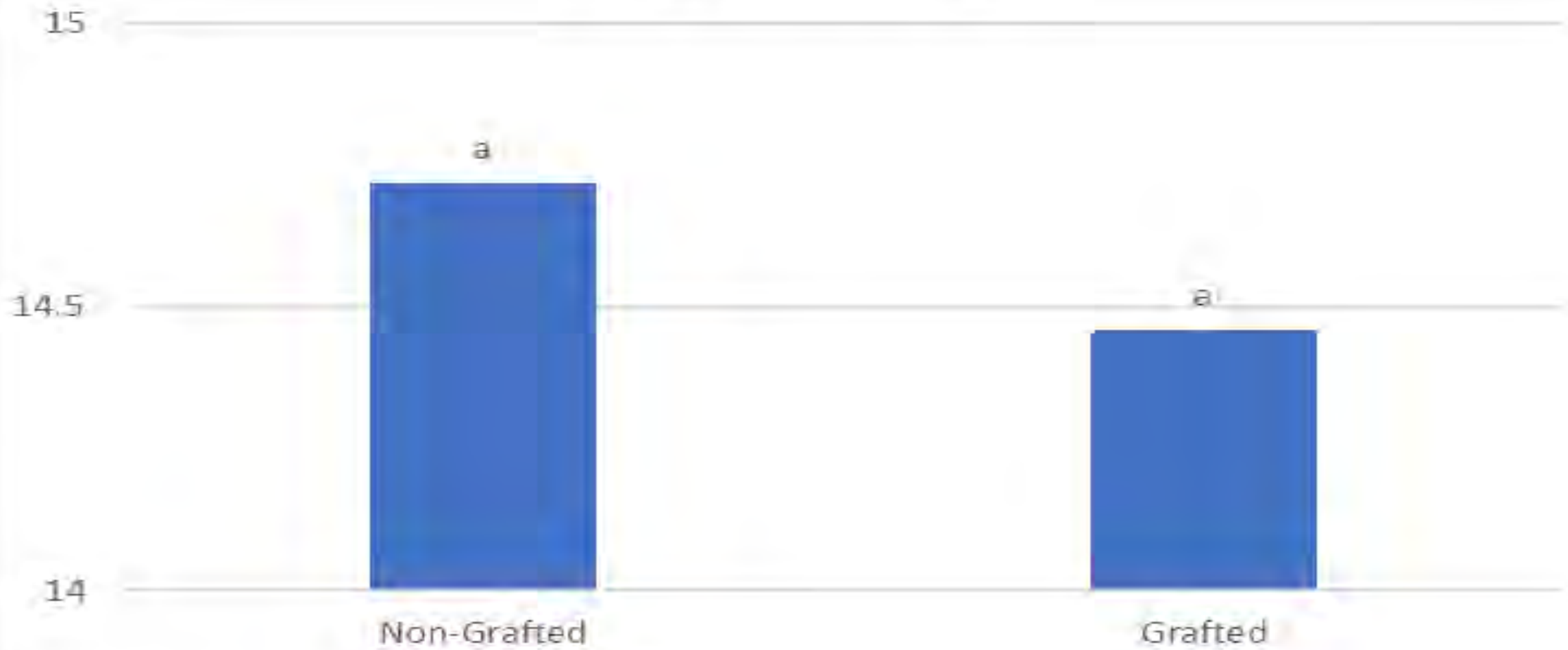
Watermelon Weight/Plot



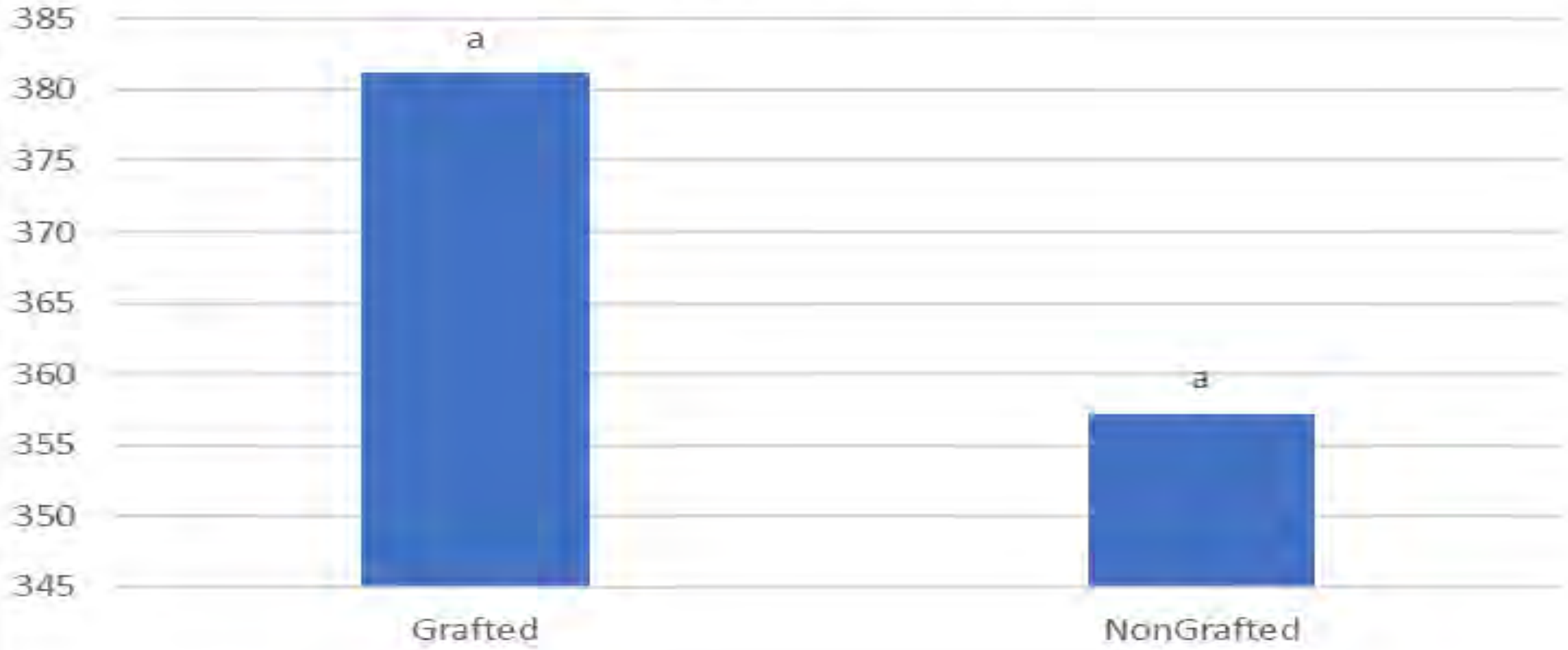
Watermelon Counts/Plot



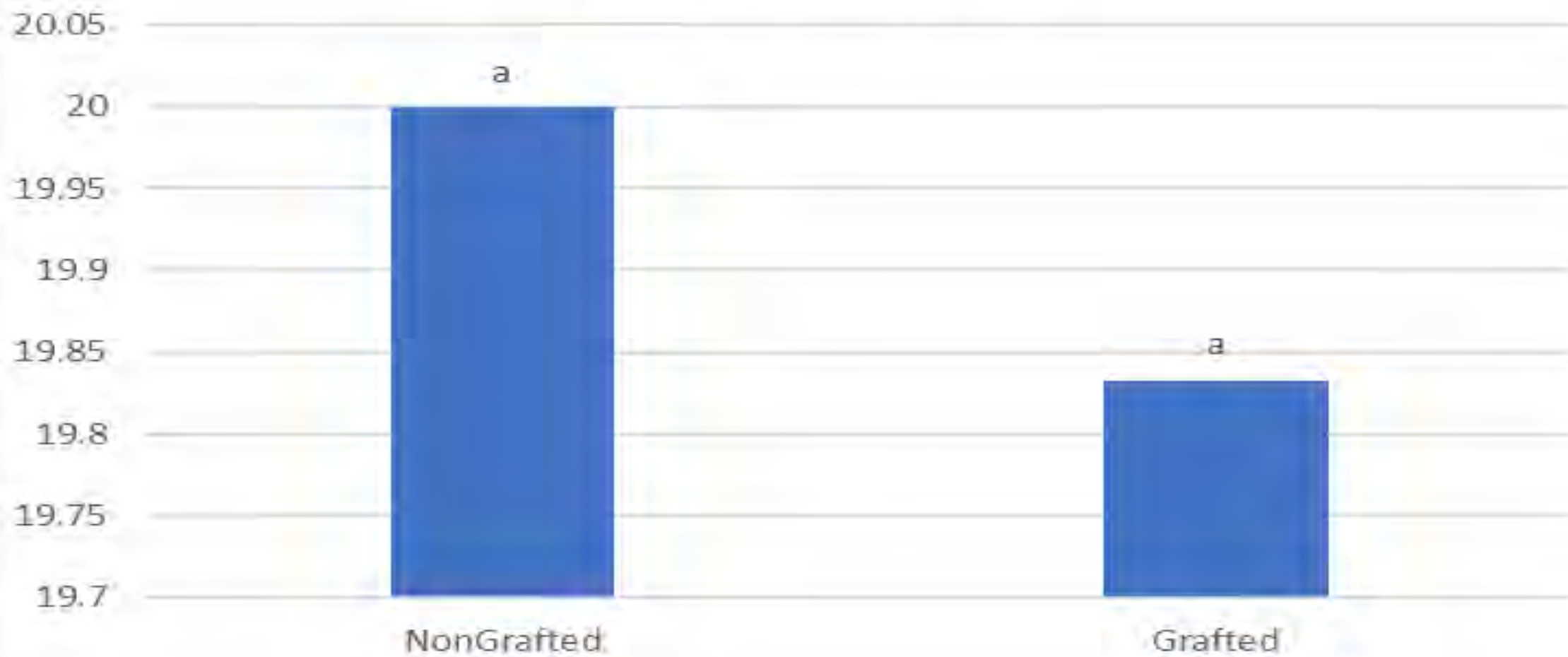
Average Fruit Weight



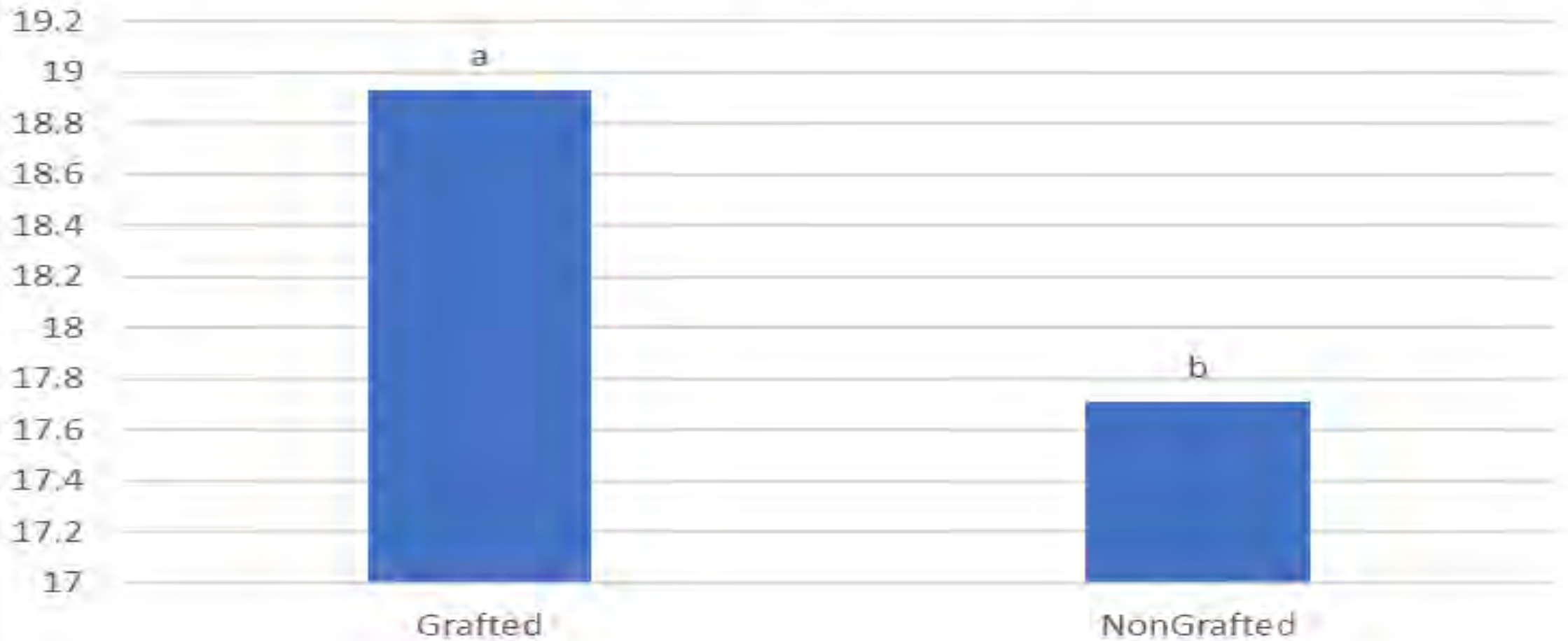
Weight/Plot - Berrien



Count/Plot - Berrien



AveWt Fruit - Berrien



Conclusions

Heavy Fusarium Pressure/Tight Spacing

- Higher Fruit Number
- Higher Fruit Weight

• Moderate Fusarium Pressure/Normal Spacing

- Heavier Fruit Size

Large Seedless Watermelon



2023 Spring Large Seedless Watermelon Yield

Variety	Sunburn/Plot	Count/Plot	Weight/Plot	AveWt/Fruit
Excursion *	1.3 c	30.5 a	548.9 a	17.9 a
3F-2487 *	2 bc	33 a	520.8 ab	16.1 bc
Essence *	2.8 abc	30.1 a	488.6 abc	16.1 bc
Guardsman *	4.3 abc	28.8 a	475.1 abc	16.2 bc
Cracker Jack *	2.5 abc	29 a	462.2 abcd	15.8 bcd
El Capitan *	3.3 abc	29.8 a	456.2 abcd	15.4 bcde
Sierra Nevada *	3 abc	26.3 a	440.1 abcd	16.7 ab
Miramonte	5 abc	29 a	427.5 abcd	14.8 cde
7197HQ *	1.8 bc	27.8 a	425.2 abcd	15.3 bcde
ACX6177TSS	2.5 abc	29.8 a	422.7 abcd	14.3 cdef
Jetski	7.3 a	28 a	396.6 abcd	14.1 def
Embassy	4.5 abc	28 a	391.3 abcd	14.0 def
Orchid Sweet	2 bc	31.8 a	380.9 bcd	12.0 g
Warrior	4.5 abc	24.3 a	355.5 cd	14.5 cde
7826	6.3 ab	24.8 a	350.3 cd	14.0 def
NUN 32126	1.3 c	25.3 a	343.8 cd	13.6 efg
Powerhouse	7.3 a	23 a	339.4 cd	14.4 cdef
8416 (Virute)	3.8 abc	23 a	337.1 cd	14.3 cdef
Marshall	3 abc	24.3 a	306 d	12.5 fg
Captivation	7.0 a	22 a	306d	13.9 ef



Excursion

Sierra Nevada



3F-2487

Essence



Guardzman



Cracker Jack



El Capitan

7197HQ



Large Seedless Watermelon Characteristics

Variety	Rind Color	Shape	Stripe	Flesh Color
7826	3.0 a	2.0 a	3.0 a	2.75 ab
3F-2487 *	2 bc	2.0 a	1.0 c	2 c
6576 (Jetski)	1 d	2.0 a	3.0 a	2.75 ab
7197HQ *	1 d	2.0 a	3.0 a	2 c
8416 (Virute)	1 d	2.0 a	3.0 a	2.25 bc
9161 (Miramonte)	2.5 ab	2.0 a	3.0 a	3.0 a
ACX6177TSS	1 d	1.25 cd	3.0 a	2 c
Captivation	1 d	1.75 ab	3.0 a	2 c
Cracker Jack *	3.0 a	2.0 a	3.0 a	3.0 a
El Capitan *	3.0 a	2.0 a	3.0 a	3.0 a
Embassy	1 d	2.0 a	3.0 a	2.25 bc
Essence *	3.0 a	1 d	3.0 a	2.75 ab
Excursion *	1.5 cd	2.0 a	3.0 a	2.25 bc
Guardman *	2.5 ab	2.0 a	3.0 a	2.5 abc
Marshall	2.5 ab	1.5 bc	3.0 a	2.25 bc
NUN 32126	1.5 cd	2.0 a	3.0 a	2.25 bc
Orchid Sweet	2 bc	1 d	2.0 b	1 d
Powerhouse	1 d	1.75 ab	3.0 a	2.25 bc
Sierra Nevada *	2.33 abc	2.0 a	3.0 a	2.33 bc
Warrior	1 d	1.75 ab	3.0 a	2 c

Rind Color

- 3 Dark
- 2 Medium
- 1 Light

Shape

- 2 Oval
- 1 Round

Stripe

- 3 Crimson
- 2 Tiger
- 1 Solid

Flesh

- 3 dark Red
- 2 light red
- 1 Yellow



Large Seedless Watermelon Fruit Quality

Variety	Seed Color	Hollow Heart	SSC
7826	2.5 ab	1.75 ab	13.2 a
3F-2487 *	3.0 a	1 abcd	12.9 a
6576 (Jetski)	3.0 a	0.25 cd	13.5 a
7197HQ *	2.5 ab	0.25 cd	12.5 a
8416 (Virute)	2.5 ab	0.5 bcd	12.7 a
9161 (Miramonte)	2.75 ab	0.25 cd	11.9 a
ACX6177TSS	2.75 ab	0.25 cd	12.1 a
Captivation	2.5 ab	1.5 abc	13.6 a
Cracker Jack *	2.5 ab	1.25 abcd	13.8 a
El Capitan *	3.0 a	0.5 bcd	12.7 a
Embassy	2.5 ab	0.75 abcd	13.0 a
Essence*	2.25 abc	0.5 bcd	12.4 a
Excursion *	2.75 ab	0.75 abcd	11.6 a
Guardman *	2.25 abc	1 abcd	12.4 a
Marshall	2.75 ab	0.75 abcd	12.5 a
NUN 32126	3.0 a	0 d	11.6 a
Orchid Sweet	1.5 c	2.0 a	12.5 a
Powerhouse	2.75 ab	0.25 cd	12.9 a
Sierra Nevada *	2 bc	1 abcd	13.0 a
Warrior	3.0 a	2.0 a	13.7 a

Seed Color

- 3 White
- 2 Tan
- 1 Brown

Hollow Heart

- Number fruit with hollow heart 0-3

Recommendations

- Normal Size (45 Count)
 - 3F-2487 – Medium, Solid, Less Sunburn
 - 7197HQ – Light, Less Sunburn
 - Essence – Dark, Round, Dark Flesh
 - Guardsman – Dark, Dark Flesh
 - Cracker Jack – Dark, Dark Flesh
 - El Capitan – Dark, Dark Flesh

- Large Size (36 Count)
 - Excursion - Light, Less Sunburn
 - Sierra Nevada - Dark

2023 Spring Mini Seedless Watermelon Yield

Variety	Sunburn	Count	Weight	AveWt
Altata *	2.75 a	34.5 a	294.53 a	8.3418 a
Excite *	4.00 a	34 a	264.7 ab	7.6607 abc
Queenlet *	2.75 a	33.5 a	257.03 abc	7.6197 abc
Proxima	3.00a	26.5 a	194.75 bcd	7.3805 abcd
Gentility	3.25 a	24 a	174.93 bcd	7.1451 bcd
Bolita	6.25 a	21.75 a	173.16 bcd	7.9992 ab
Melania	0.5 a	20.5 a	166.93 bcd	8.097 ab
Crimson Belle	5.25 a	24 a	166.43 cd	6.9719 cd
3F-4109	5.75 a	23.25 a	158.38 d	6.8369 cd
Amazing	3.25 a	22.25 a	142.95 d	6.5314 d
Expert	4.25 a	21 a	142.68 d	6.7367 cd

Mini Watermelon Fruit Characteristics

Variety	Rind Color	Stripe	Flesh Color
Excite *	3.0 a	3.0 a	3.0 a
Expert	2.5 a	3.0 a	2.75 ab
Altata *	2.0 a	3.0 a	2.25 bc
Amazing	2.0 a	2 b	2 c
Gentility	3.0 a	3.0 a	2.25 bc
Queenlet *	3.0 a	1 c	2 c
Crimson Belle	2.0 a	3.0 a	2.25 bc
3F-4109	1.5 a	3.0 a	2 c
Bolita	2.0 a	3.0 a	2.25 bc
Proxima	2.5 a	3.0 a	2.25 bc
Melania (7226)	3.0 a	3.0 a	2.75 ab

Rind Color

- 3 Dark
- 2 Medium
- 1 Light

Shape

- 2 Oval
- 1 Round

Stripe

- 3 Crimson
- 2 Tiger
- 1 Solid

Flesh

- 3 dark Red
- 2 light red
- 1 Yellow



Mini Watermelon Fruit Quality

Variety	Hollow Heart	Seed Color	SSC
Excite *	0 c	2.75 a	12.3 ab
Expert	0.75 bc	3.0 a	12.4 ab
Altata *	1 abc	2.75 a	11.4 d
Amazing	2.0 a	1.5 cd	11.9 bcd
Gentility	0.75 bc	2.5 ab	11.5 cd
Queenlet *	0.5 bc	2.75 a	12.2 bc
Crimson Belle	1.5 ab	2 bc	11.4 d
3F-4109	0.75 bc	1 d	12.9 a
Bolita	0 c	3.0 a	12.5 ab
Proxima	0.5 bc	3.0 a	12.2 bc
Melania (7226)	0.25 c	3.0 a	12.3 b

Seed Color

- 3 White
- 2 Tan
- 1 Brown

Hollow Heart

- Number fruit with hollow heart 0-3







Recommendations

- Excite
- Altata – Eating Quality?
- Queenlet

Acknowledgements

- TriEst Ag
- Seed Companies
 - Seminis
 - Syngenta
 - Seedway
 - Known-You
 - Nunhems
 - Sakata
 - Enza
 - Rijk Zwaan
 - Origene
 - Hazera