

# 2023 Watermelon and Cantaloupe Cultivar Evaluations in Indiana



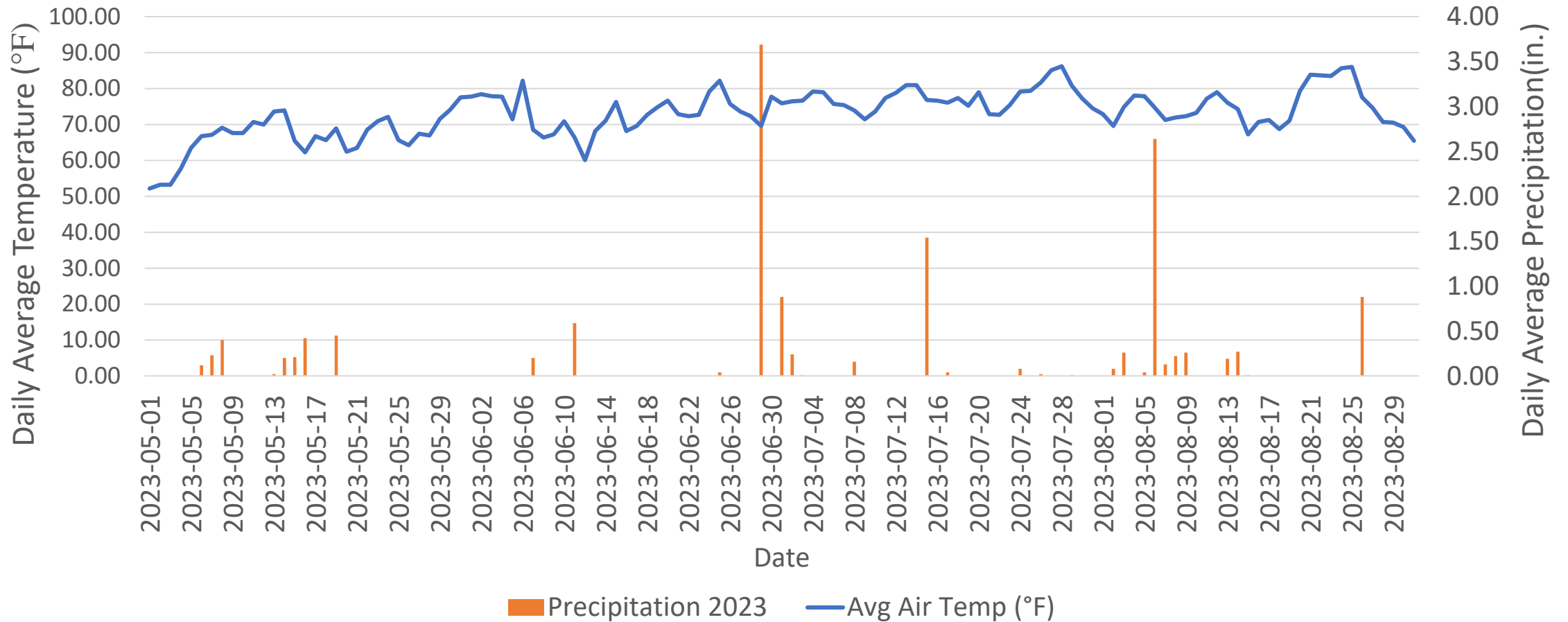
# Standard-Sized Seedless Watermelon

Cultivar	Seed Source	Rind Pattern
Embassy	BASF	Striped
Warrior	BASF	Striped
7197hq	BASF	Striped
NUN 32126WMW	BASF	Striped
NUN32002WMW	BASF	Striped
Guardsman	Seedway	Striped
Blackjack	Seedway	Solid dark green
Crackerjack	Seedway	Striped
Captivation	Syngenta	Striped
Valor (WDL8415)	Syngenta	Striped
Virtue (WDL8416)	Syngenta	Striped
Powerhouse	Syngenta	Striped
Cato(9432)	Syngenta	Striped
Jet Ski	Seminis/bayer	Striped
Joy Ride	Seminis/bayer	Striped
SVWA7826	Seminis/bayer	Striped
Sweet Trick	Seminis/bayer	Solid dark green
El Capitan	Sakata	Striped
Sierra Nevada	Sakata	Striped
Miramonte	Sakata	Striped
3F-2487	Known-You	Solid light green
Marshall	Known-You	Striped
LaJoya	Origene	Striped
Essence	Origene	Striped
Eleanor	Harris Moran	Striped
Red Garnet	Gowan seeds	Striped
Red Amber	Enza Zaden	Striped
Rio Grande	Enza Zaden	Striped
#312	HighMark	Striped
#314	HighMark	Striped
Fascination	SWPAC_Syngenta	Striped
Dark Knight	SWPAC_Syngenta	Solid dark green
Style	SWPAC_BASF	Solid dark green
Eclipse	SWPAC_Sakata	Solid dark green
Sweet Gem	SWPAC_Syngenta	Solid dark green

Block C							
Guard Row							
Dark Knight	NUN32002WMW	#314	Eleanor	LaJoya	Virtue (WDL8416)	Powerhouse	
Eclipse	Marshall	#312	Essence	3F-2487	Red Amber	7197hq	
Blackjack	NUN32126WMW	Cato (9432)	Warrior	El Capitan	Rio Grande	Red Garnet	
Sweet Gem	SVWA7826	Valor (WDL8415)	Sweet Trick	Embasy	Jet Ski	Fascination	
Style	Miramonte	Sierra Nevada	Joy Ride	Crackerjack	Guardsman	Captivation	
Guard Row							
Block B							
Guard Row							
Sweet Trick	Joy Ride	Embasy	#314	Red Garnet	Powerhouse	Dark Knight	
Rio Grande	Jet Ski	Fascination	#312	Virtue (WDL8416)	Sierra Nevada	Eclipse	
Eleanor	Crackerjack	NUN32002WMW	SVWA7826	LaJoya	Warrior	Style	
Essence	Captivation	3F-2487	Cato (9432)	Marshall	Miramonte	Sweet Gem	
7197hq	NUN 32126WMW	Red Amber	El Capitan	Valor (WDL8415)	Guardsman	Blackjack	
Guard Row							
Block A							
Guard Row							
Sweet Gem	Eleanor	Powerhouse	Marshall	Jet Ski	LaJoya	3F-2487	
Eclipse	Miramonte	Cato (9432)	Joy Ride	Virtue WDL8416)	Guardsman	Valor (WDL8415)	
Style	Embasy	NUN32002WMW	Sweet Trick	NUN32126WMW	Rio Grande	#312	
Dark Knight	Red Amber	Fascination	El Capitan	Warrior	Crackerjack	Essence	
Blackjack	#314	7197hq	Red Garnet	SVWA7826	Captivation	Sierra Nevada	
Guard Row							

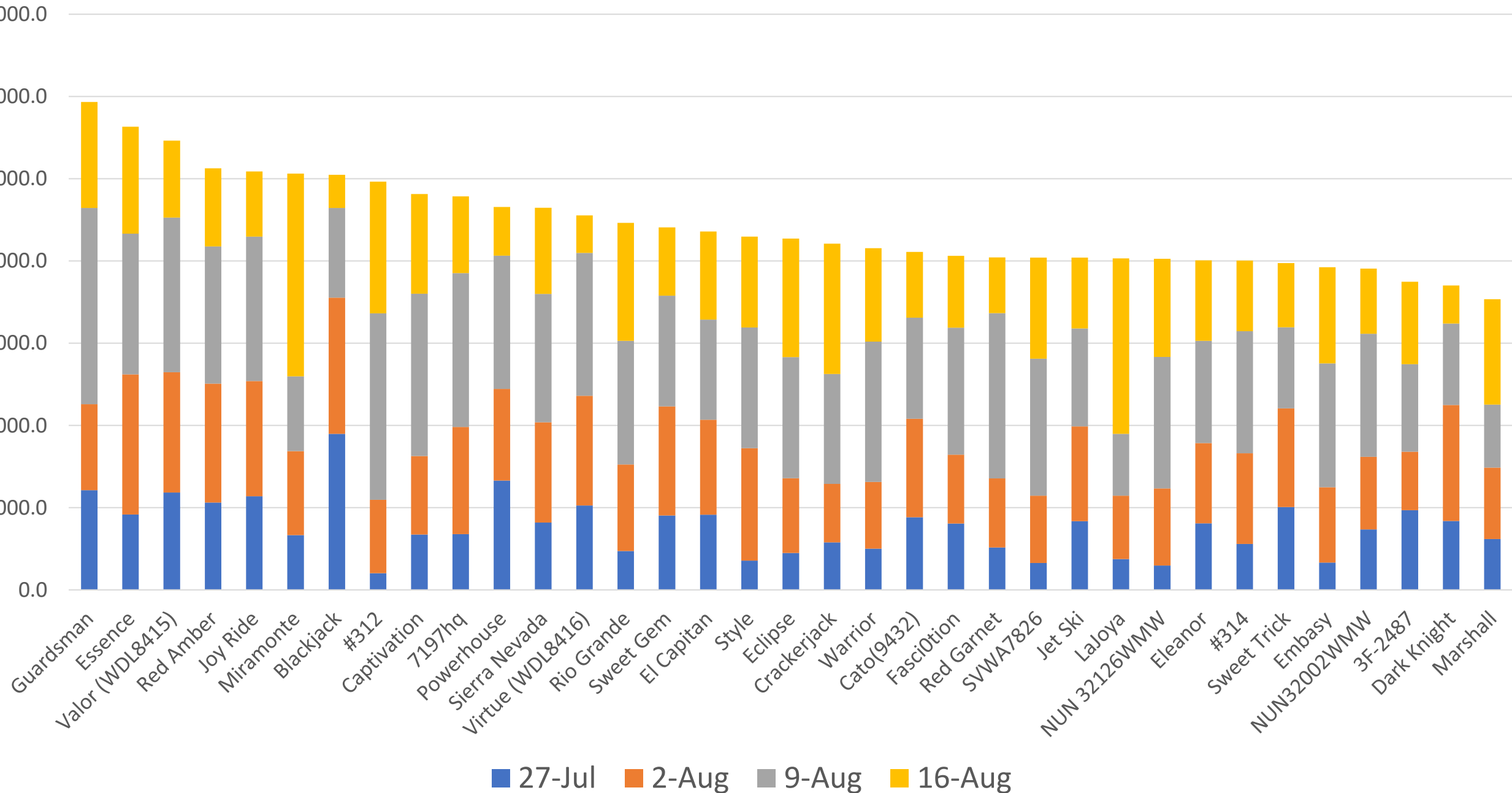
- Soil: Henshaw silt loam with 1.5% organic matter
- Fertilizers: preplant broadcast applied. 150 lbs/a nitrogen, 150 lbs/a potassium, 1 lb/acre boron, 1 lb/acre zinc
- 4' in-row spacing, SP7
- Pest management
- Irrigation

Daily Average Temperature (°F) and Precipitation (in.) in the 2023 Watermelon Season



- Transplanting: May 18
- Harvest: Jul. 27, Aug. 2, Aug. 9, Aug. 10

# Marketable Yield (lbs/acre) at Each Harvest Date



Guardisman



Joy Ride



Red Amber



Dark Knight



Style



Eclipse



Sweet Gem



Blackjack



Sweet Trick



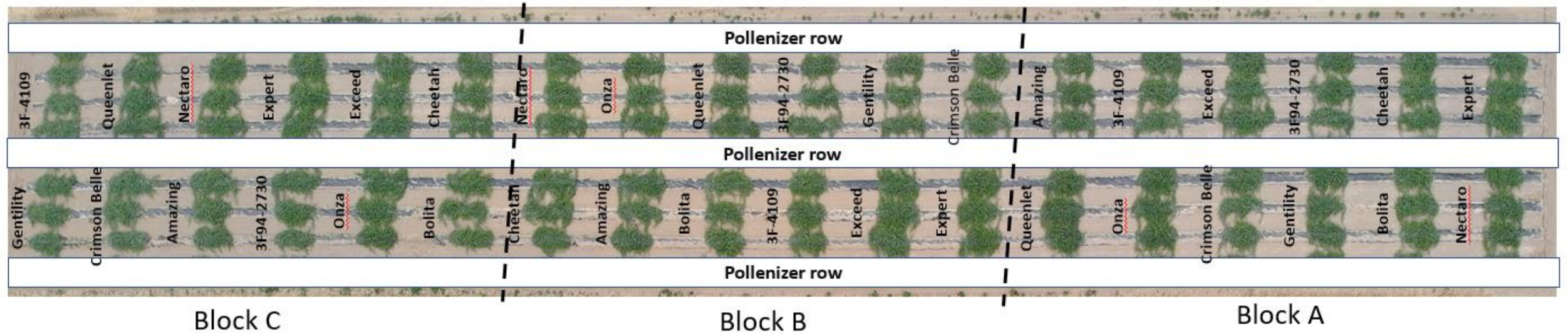
3F-2487



# Personal-Sized Seedless Watermelon

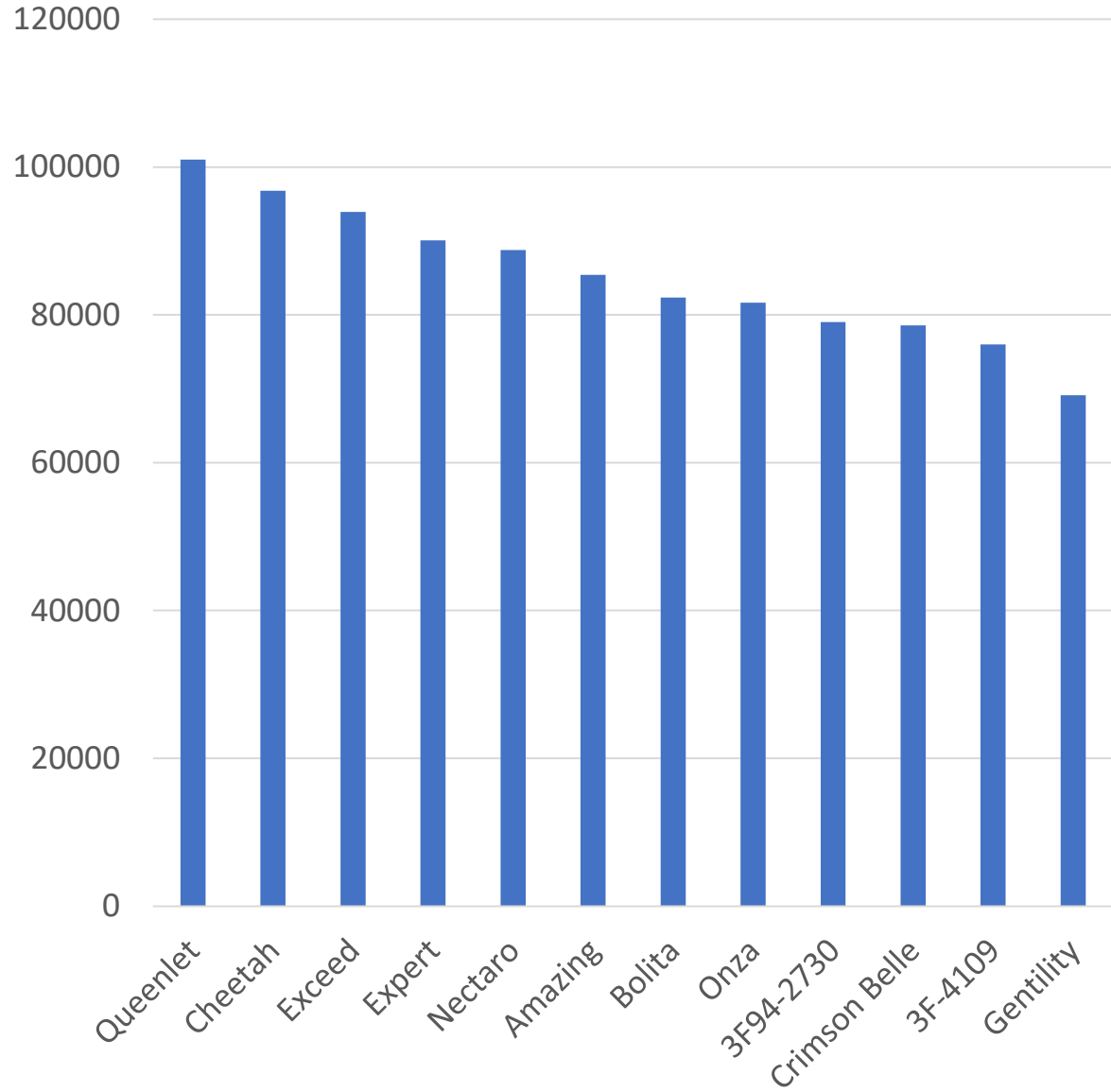
Cultivar	Seed Source	Rind Pattern
<b>Bolita</b>	BASF	Striped
<b>Exceed</b>	Hazera	Striped
<b>Expert</b>	Hazera	Striped
<b>Cheetah</b>	Hazera	Striped
<b>Onza</b>	Hazera	Striped
<b>Nectaro</b>	Hazera	Striped
<b>Amazing</b>	Known you	Striped
<b>Gentility</b>	Known you	Striped
<b>Queenlet</b>	Known you	Solid dark green
<b>Crimson Belle</b>	Known you	Striped
<b>3F-4109</b>	Known you	Striped
<b>3F94-2730</b>	SWPAC_Known you	Striped



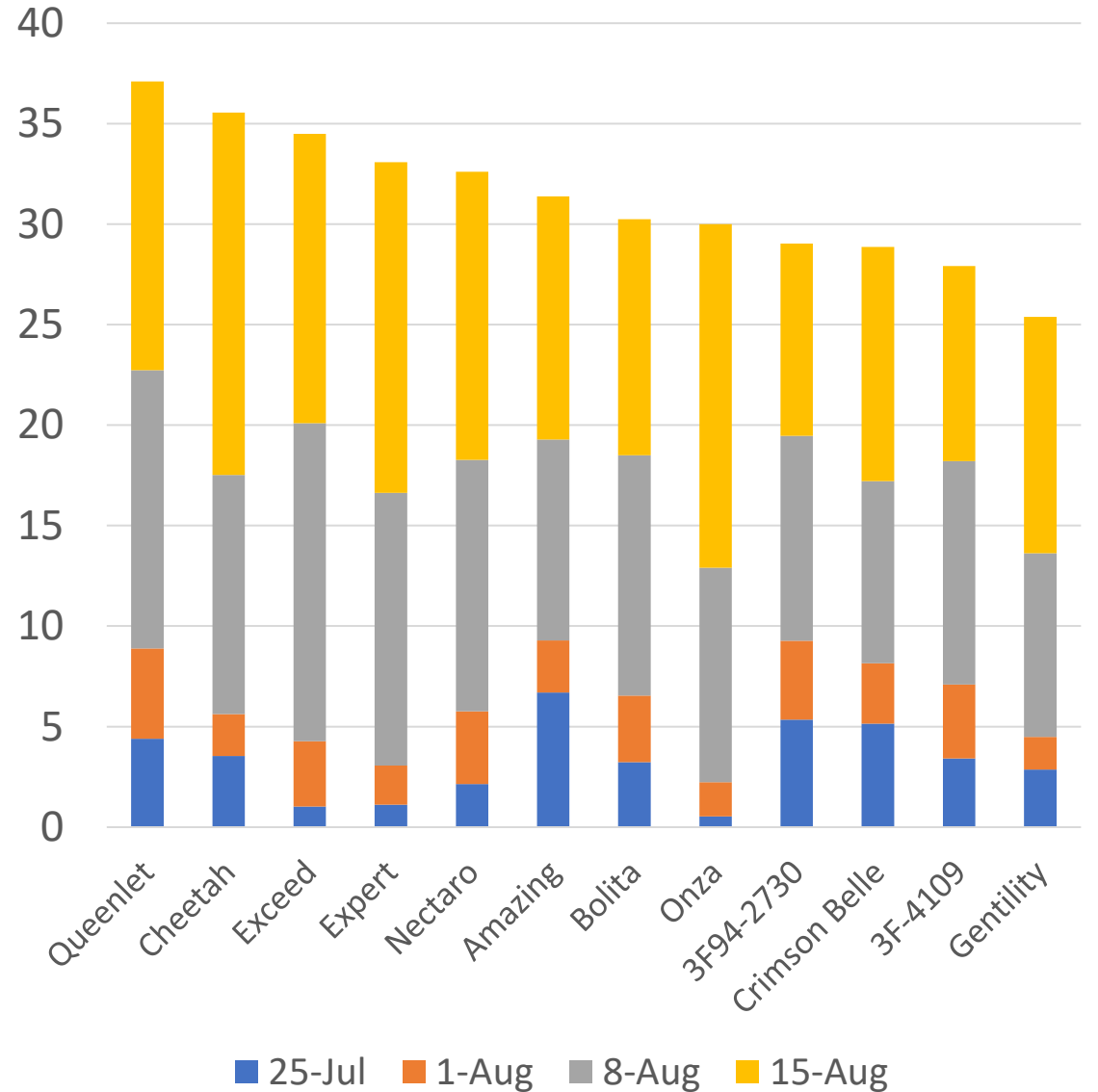


- 2' in-row spacing. 6' bed spacing
- SP7 in every three rows of seedless watermelon

# Marketable Yield (lbs/acre)



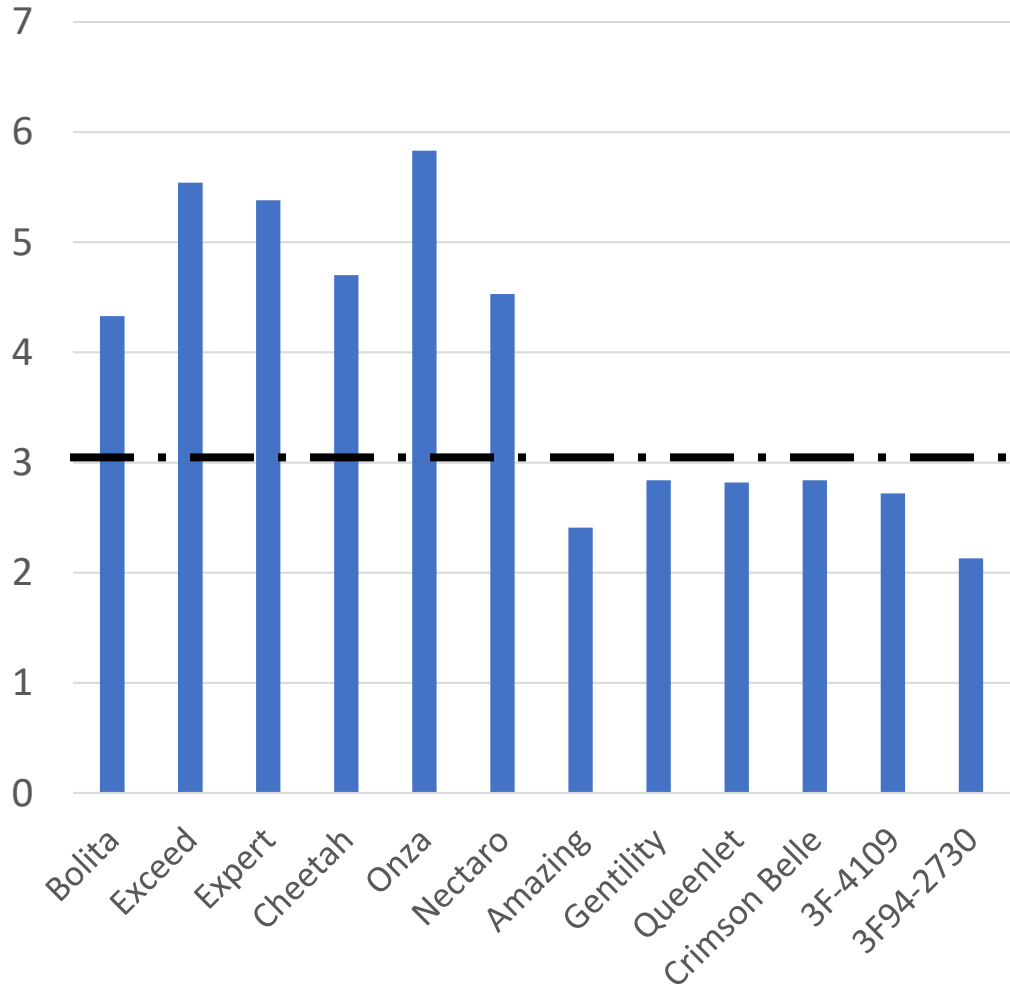
# Marketable Yield (lbs/plant) at Each Harvest Date



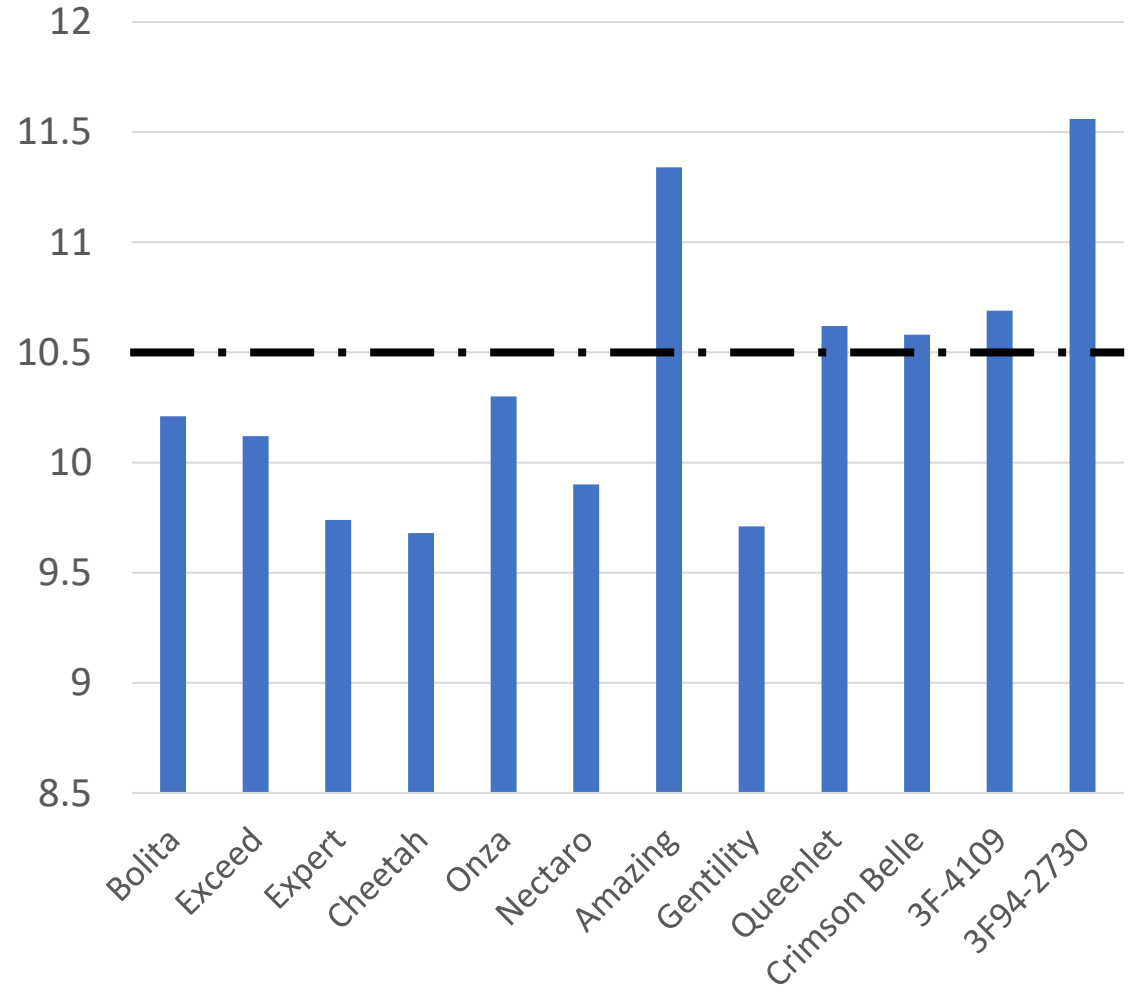
# Queenlet



### Flesh Firmness (lbs-force)



### Soluble solids (°Brix)



# Seeded Watermelon

Variety	Seed Source	Rind Patter	Fruit Shape
NUN 22104	BASF	Striped	Oblong
800	BASF	Striped	Oblong
NUN 22103	BASF	Striped	Oblong
NUN 22102	BASF	Striped	Oblong
Virgo	Hazera	Striped	Oblong
Estrella	SWPAC-Seedway	Striped	Oblong
Sangria	SWPAC-Seedway	Striped	Oblong
Jamboree	SWPAC-Seedway	Striped	Oblong
SSX8585	SWPAC-Seedway	Striped	Oblong
Sweet Punch (USAW 16134)	US Agriseeds	Solid dark green	Oval
Sweet Dream (USAW 16364)	US Agriseeds	Tiger-striped	Oval
#220	HighMark	Striped	Oblong
#271	HighMark	Striped	Oblong
#282	HighMark	Striped	Oblong
#284	HighMark	Striped	Oblong



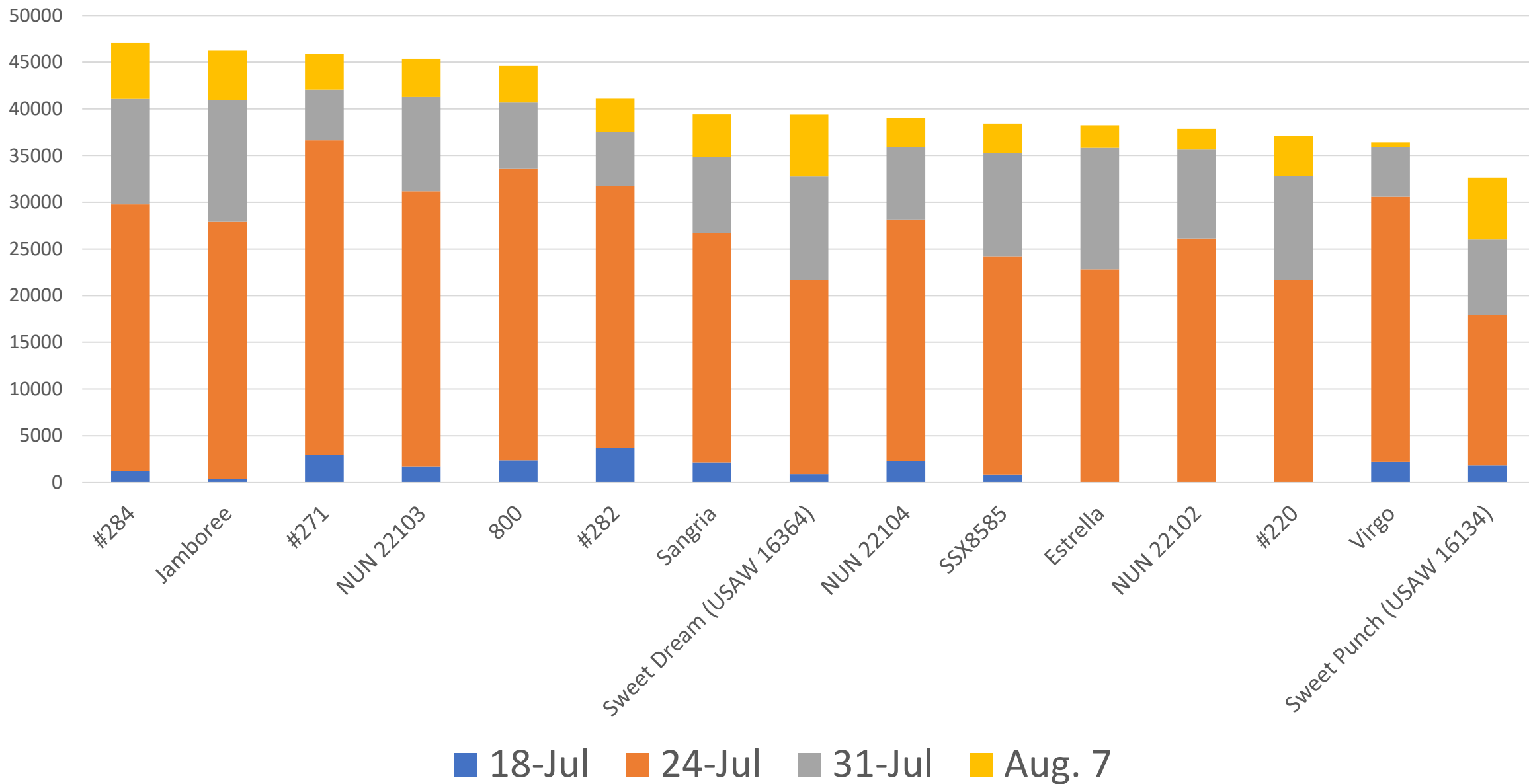
## Male flower count of seeded watermelons

Cultivar	Male flower count per plant <sup>z</sup>	
#271	2.67	a
#282	1.00	b
800	0.33	bc
Estrella	0.33	bc
Sangria	0.33	bc
Jamboree	0.33	bc
Sweet Dream (USAW 16364)	0.33	bc
#220	0.33	bc
NUN 22104	0	c
NUN 22103	0	c
NUN 22102	0	c
Virgo	0	c
SSX8585	0	c
Sweet Punch (USAW 16134)	0	c
#284	0	c

The data was collected on 4 June.

In the following observational dates (9 June, 14 June, 22 June, 5 July), no significant difference in male flower numbers was detected.

# Marketable Yield (lb/acre) at Each Harvest Date

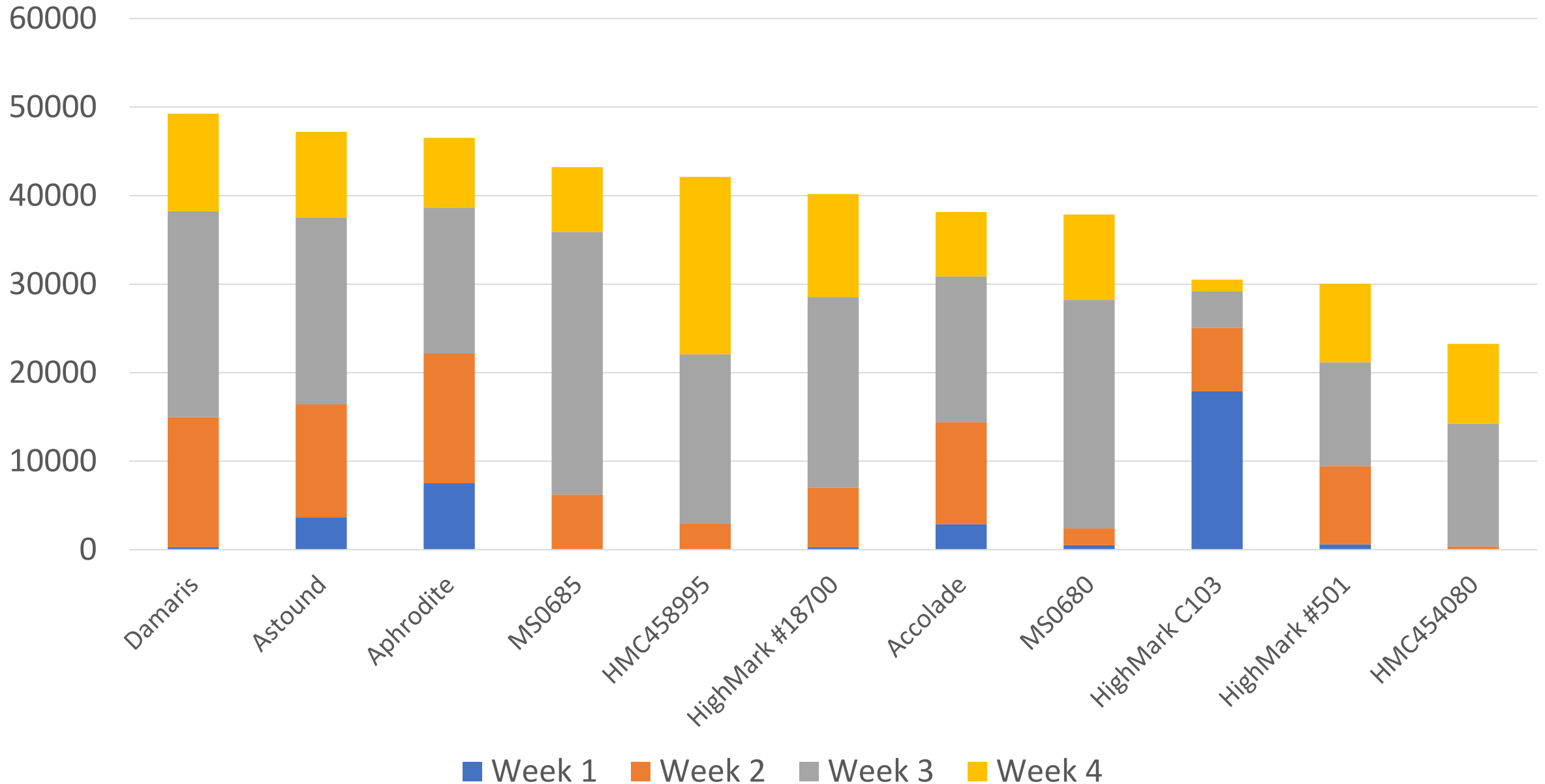




# Cantaloupe

<b>Cultivar</b>	<b>Company</b>
<b>MS0680</b>	Syngenta
<b>MS0685</b>	Syngenta
<b>Damaris</b>	Syngenta
<b>Astound</b>	Syngenta
<b>Accolade</b>	Syngenta
<b>Aphrodite</b>	SWPAC_Syngenta
<b>HMC458995</b>	Harris Moran
<b>HMC454080</b>	Harris Moran
<b>HighMark #18700</b>	HighMark
<b>HighMark C103</b>	HighMark
<b>HighMark #50</b>	HighMark

# Marketable Yield (lbs/acre) at Each Harvest Week





# Acknowledgments

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Southwest Purdue Agricultural Center employees Dean Haseman, Barbara Joyner, Angie Thompson, Bill Davis; graduate student Emerson Luna; and SWPAC summer helpers provided technical assistance for the trial.

Dr. Dan Egel, Purdue Extension plant pathologist, provided suggestions for fungicide application

Alex Helms, assistant director of Purdue Agricultural Centers, took the drone picture.

Dan Egel, Liz Maynard, Charlie Rohwer and Bronwyn Aly reviewed the trial reports

For questions about the trials and the reports, please contact

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