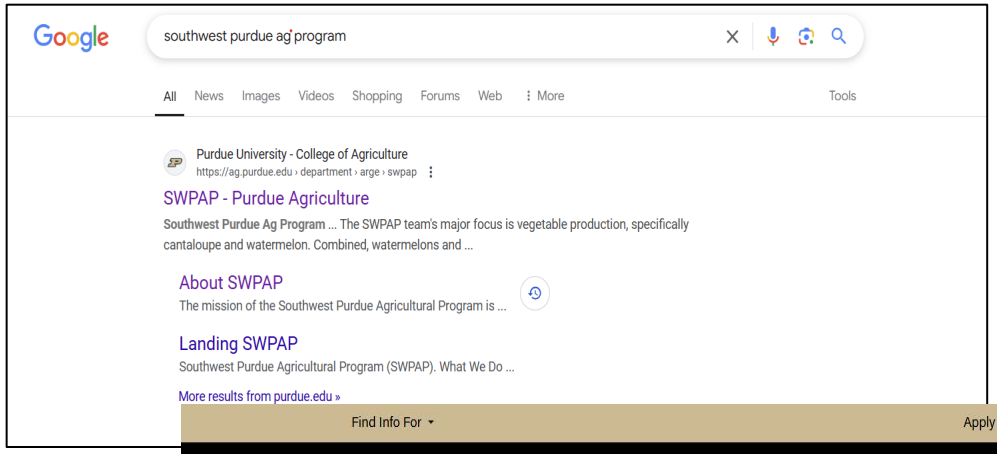
2024 Watermelon Cultivar Evaluation in Southern Indiana

Wenjing Guan
(guan40@purdue.edu)
Extension Specialist
Southwest Purdue Agricultural Center
Purdue University

- Standard-sized Seedless Watermelon Trial (32)
- Personal-sized Seedless Watermelon Trial (18)
- Seeded Watermelon Trial (15)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SWPAP - Purdue Agriculture
Southwest Purdue Ag Program ... The SWPAP team's major focus is vegetable production, specifically cantaloupe and watermelon. Combined, watermelons and ...
About SWPAP
The mission of the Southwest Purdue Agricultural Program is ...
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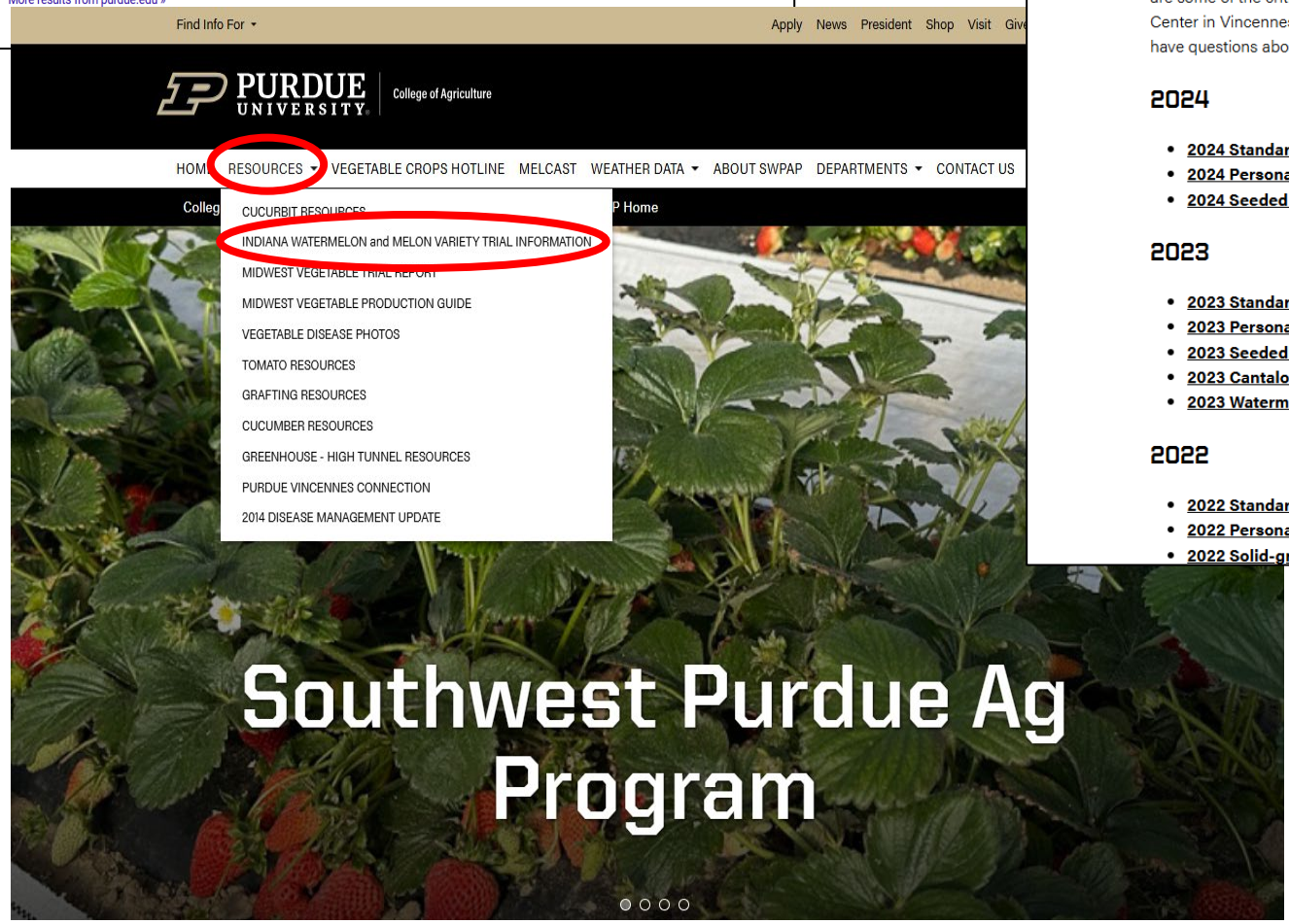
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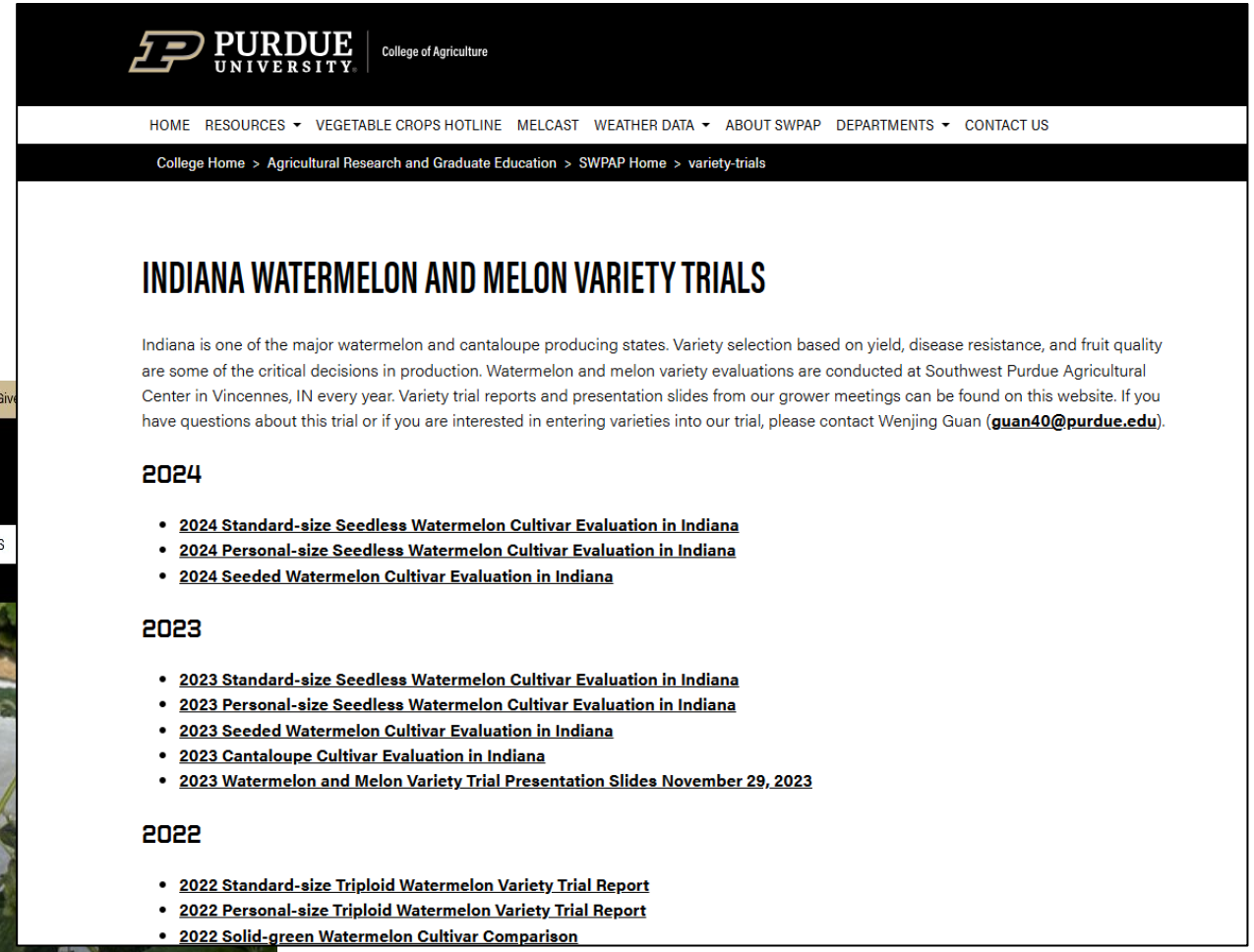
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College Home > Agricultural Research and Graduate Education > SWPAP Home > variety-trials
INDIANA WATERMELON AND MELON VARIETY TRIALS
Indiana is one of the major watermelon and cantaloupe producing states. Variety selection based on yield, disease resistance, and fruit quality are some of the critical decisions in production. Watermelon and melon variety evaluations are conducted at Southwest Purdue Agricultural Center in Vincennes, IN every year. Variety trial reports and presentation slides from our grower meetings can be found on this website. If you have questions about this trial or if you are interested in entering varieties into our trial, please contact Wenjing Guan (guan40@purdue.edu).
2024
2024 Standard-size Seedless Watermelon Cultivar Evaluation in Indiana
2024 Personal-size Seedless Watermelon Cultivar Evaluation in Indiana
2024 Seeded Watermelon Cultivar Evaluation in Indiana
2023
2023 Standard-size Seedless Watermelon Cultivar Evaluation in Indiana
2023 Personal-size Seedless Watermelon Cultivar Evaluation in Indiana
2023 Seeded Watermelon Cultivar Evaluation in Indiana
2023 Cantaloupe Cultivar Evaluation in Indiana
2023 Watermelon and Melon Variety Trial Presentation Slides November 29, 2023
2022
2022 Standard-size Triploid Watermelon Variety Trial Report
2022 Personal-size Triploid Watermelon Variety Trial Report
2022 Solid-green Watermelon Cultivar Comparison

2024 Standard-sized Seedless Watermelon Cultivar Evaluation in Indiana

Wenjing Guan, *Purdue University*

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https://docs.lib.purdue.edu/mwvtr/274

Date of this Version

12-2024

Keywords

triploid, yield, quality, melon, variety

Comments

The annual watermelon cultivar evaluation trial is conducted at Southwest Purdue Agricultural Center (SWPAC) in Vincennes, Indiana. It evaluates yield, fruit quality, and overall plant performance of commercial watermelon cultivars and advanced breeding lines. Purdue Extension and seed companies financially support the trial. The 2024 standard-sized triploid watermelon cultivar trial evaluated 32 cultivars.

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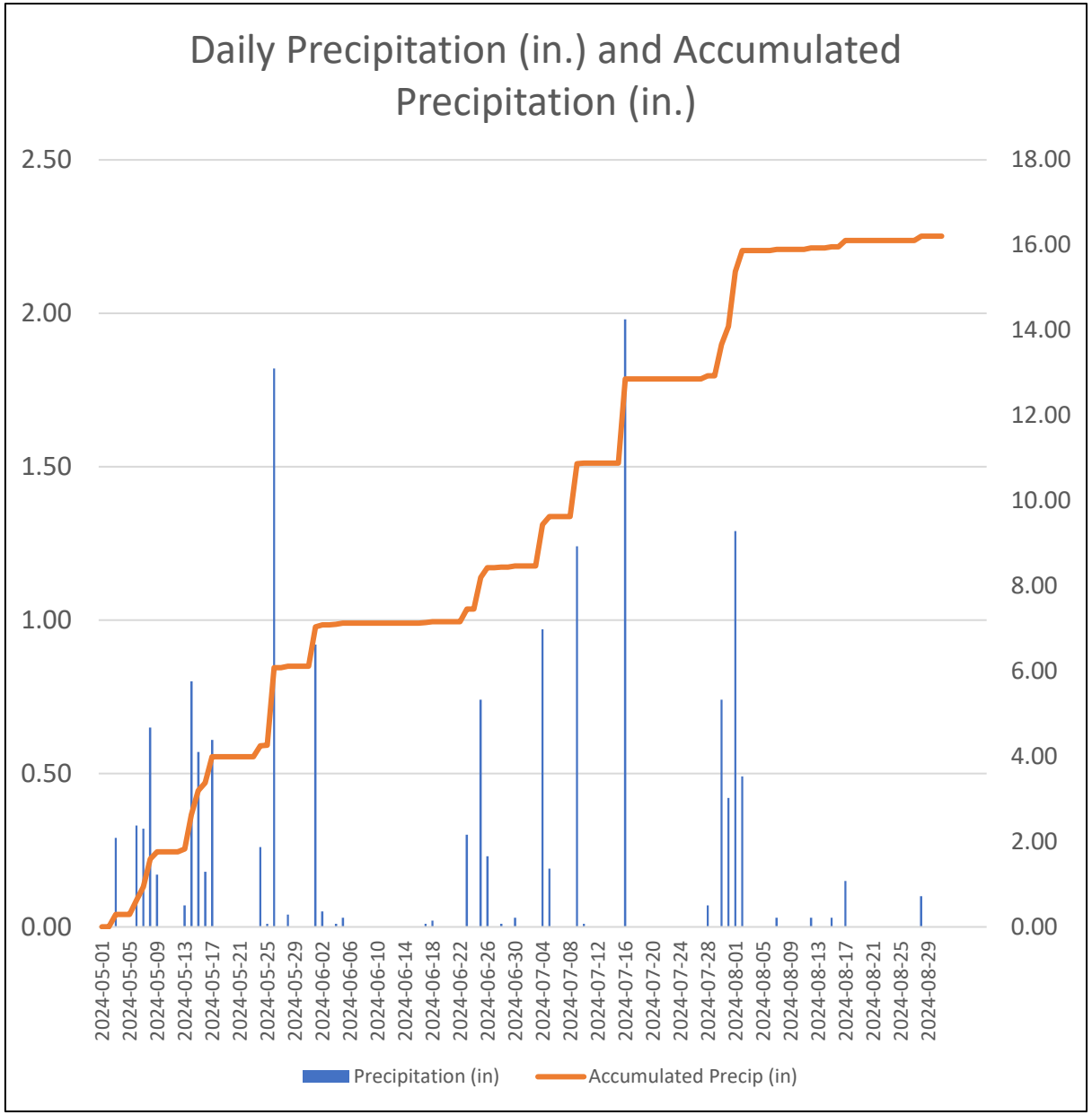
Additional Files

2024 standard sized seedless watermelon additional files .pdf (729 kB)

Yield,
fruit-size uniformity,
Quality,
Internal and external fruit pictures

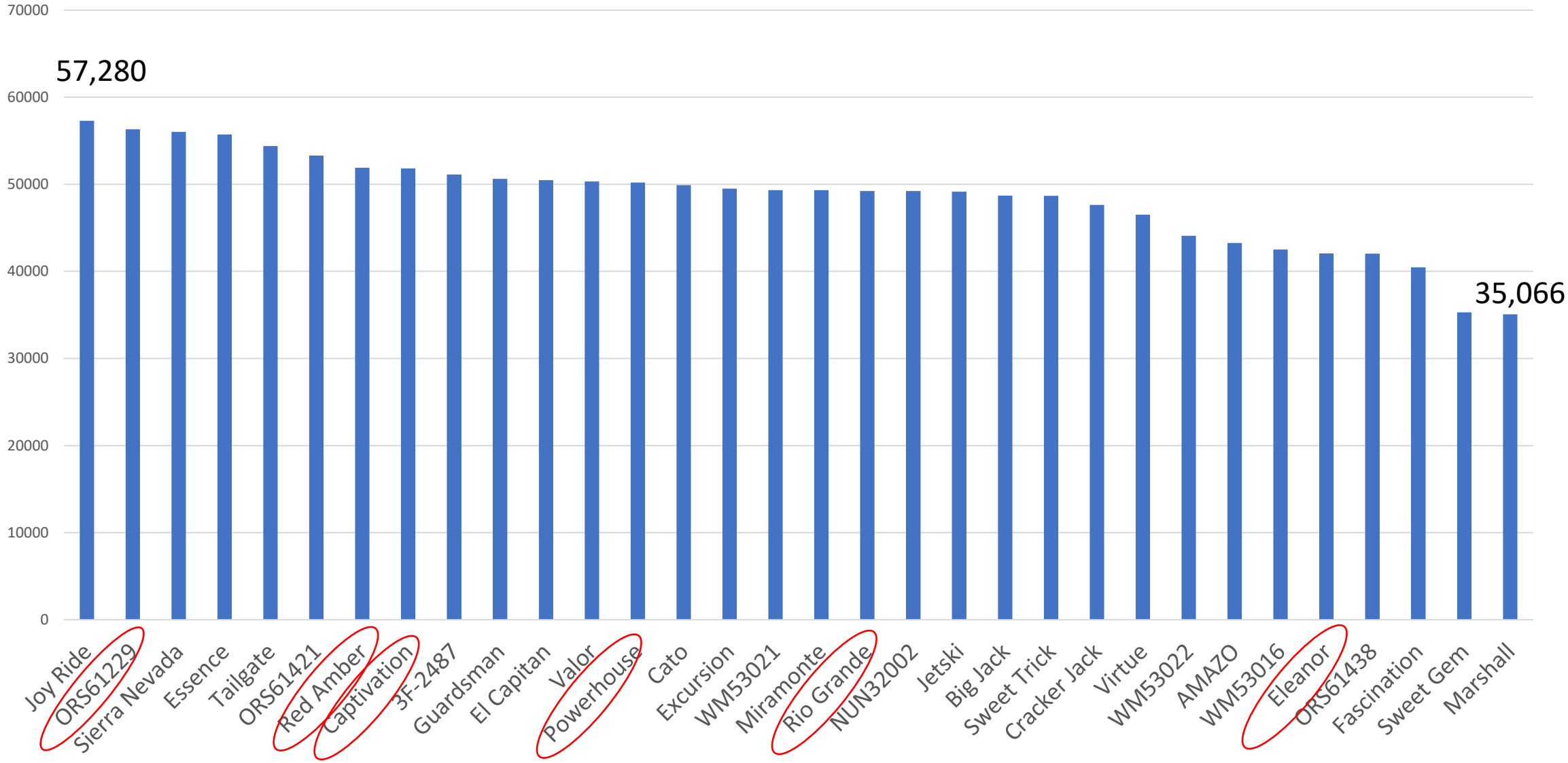

Daily Precipitation (in.) and Accumulated Precipitation (in.)
2.50
2.00
1.50
1.00
0.50
0.00
18.00
16.00
14.00
12.00
10.00
8.00
6.00
4.00
2.00
0.00
2024-05-01
2024-05-05
2024-05-09
2024-05-13
2024-05-17
2024-05-21
2024-05-25
2024-05-29
2024-06-02
2024-06-06
2024-06-10
2024-06-14
2024-06-18
2024-06-22
2024-06-26
2024-06-30
2024-07-04
2024-07-08
2024-07-12
2024-07-16
2024-07-20
2024-07-24
2024-07-28
2024-08-01
2024-08-05
2024-08-09
2024-08-13
2024-08-17
2024-08-21
2024-08-25
2024-08-29
Precipitation (in)
Accumulated Precip (in)

Standard-sized Seedless Watermelon Cultivars (32) Evaluated in 2024

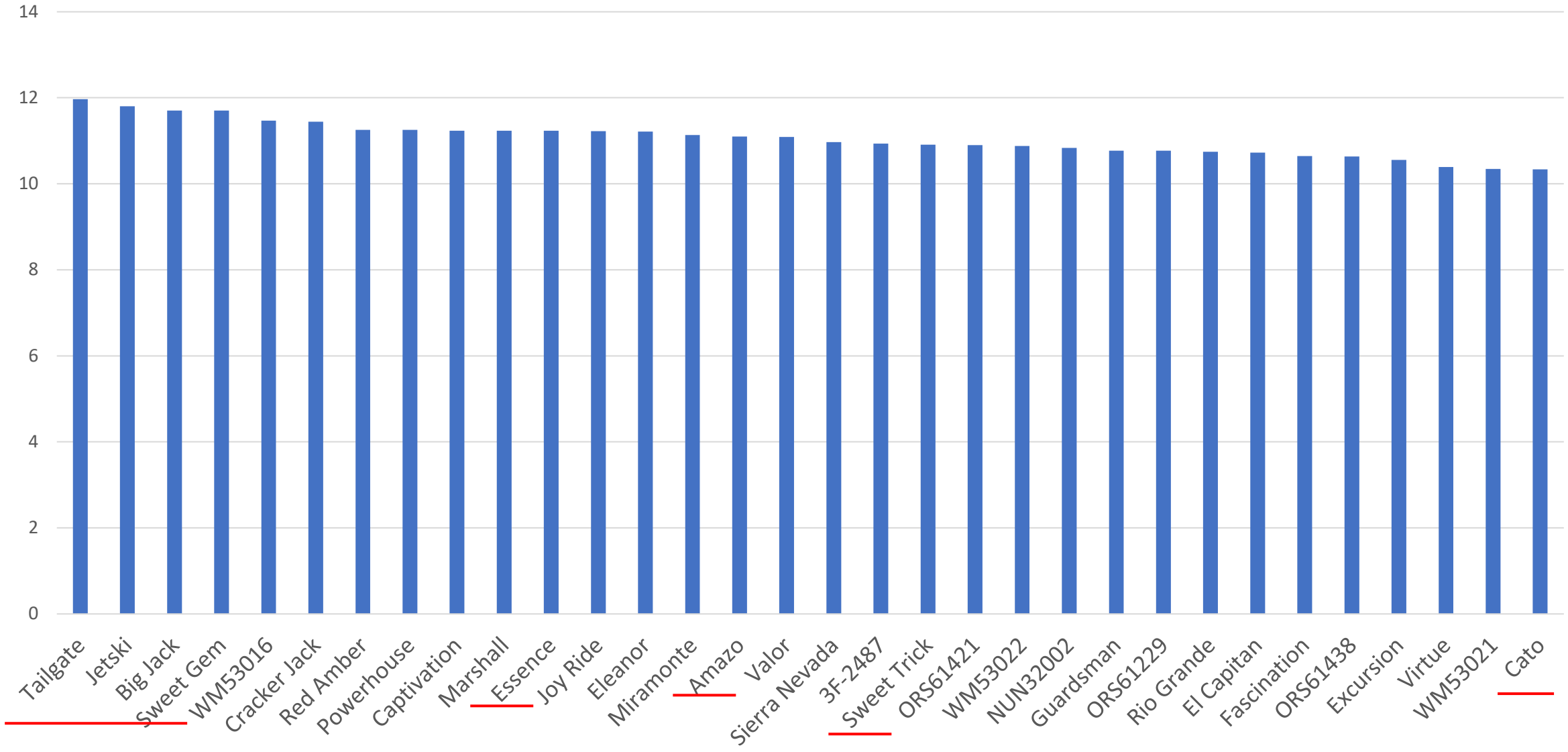
Cultivar	Seed Source
Amazo	BASF
NUN32002	BASF
Tailgate	Bayer
Jetski	Bayer
Red Amber	Enza Zaden
Big Jack	Enza Zaden
Rio Grande	Enza Zaden
Eleanor	Harris Moran
WM53016	Hazera
WM53021	Hazera
WM53022	Hazera
3F-2487	Known-You
Marshall	Known-You
El Capitan	Sakata
Sierra Nevada	Sakata
Miramonte	Sakata

Cultivar	Seed Source
Cracker Jack	Seedway
Valor	Syngenta
Virtue	Syngenta
Powerhouse	Syngenta
Cato	Syngenta
Captivation	Syngenta
ORS61438	Origene Seeds
ORS61229	Origene Seeds
Essence	Origene Seeds
ORS61421	Origene Seeds
Joy Ride	SWPAC
Fascination	SWPAC
Sweet Gem	SWPAC
Sweet Trick	SWPAC
Excursion	SWPAC
Guardsman	SWPAC

Marketable Yield (lb/acre) of Standard-Sized Seedless Watermelon Cultivars in the 2024 Trial in Indiana

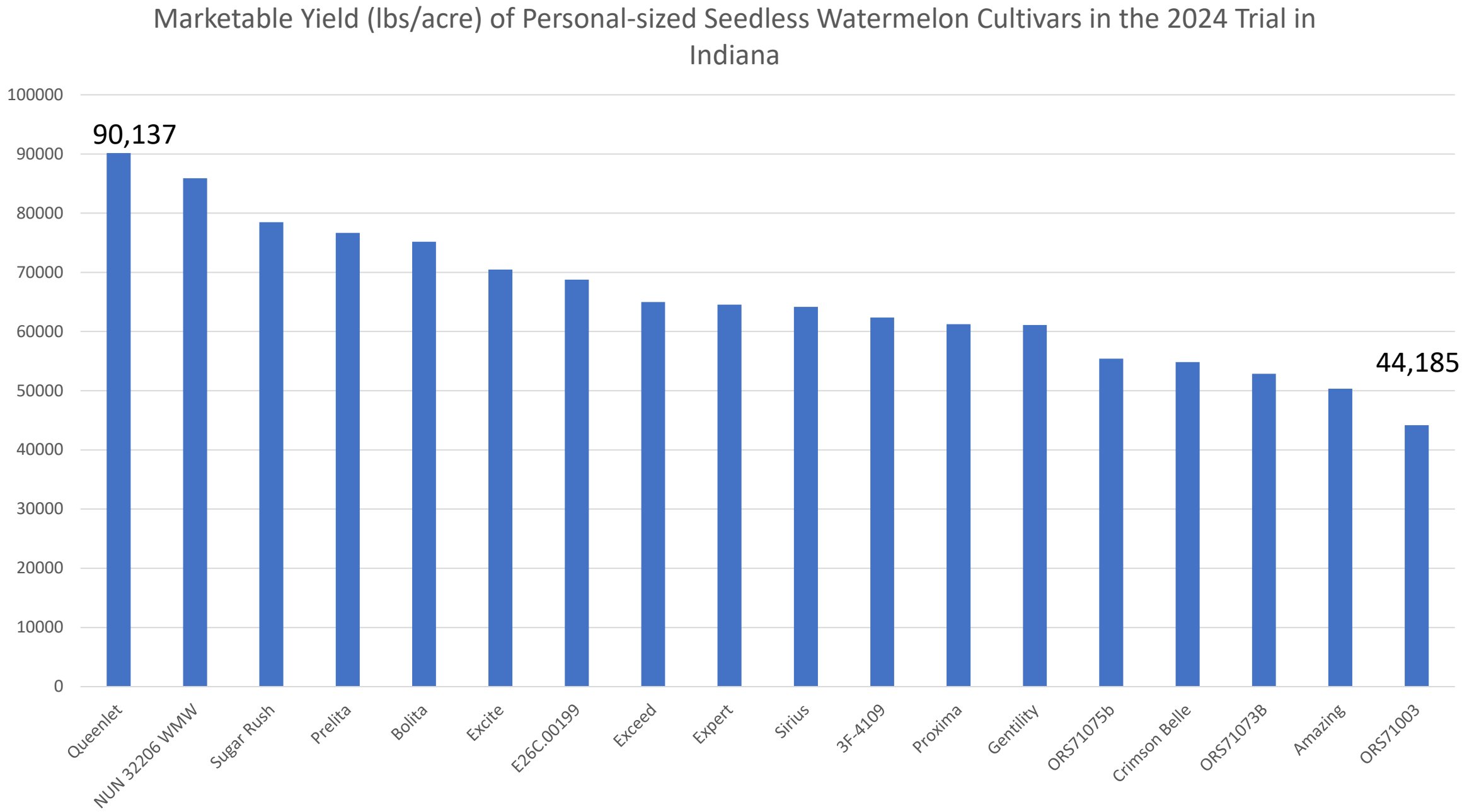


Total Soluble Solids (°Brix) of Standard-Sized Seedless Watermelon Cultivars in the 2024 Trial in Indiana

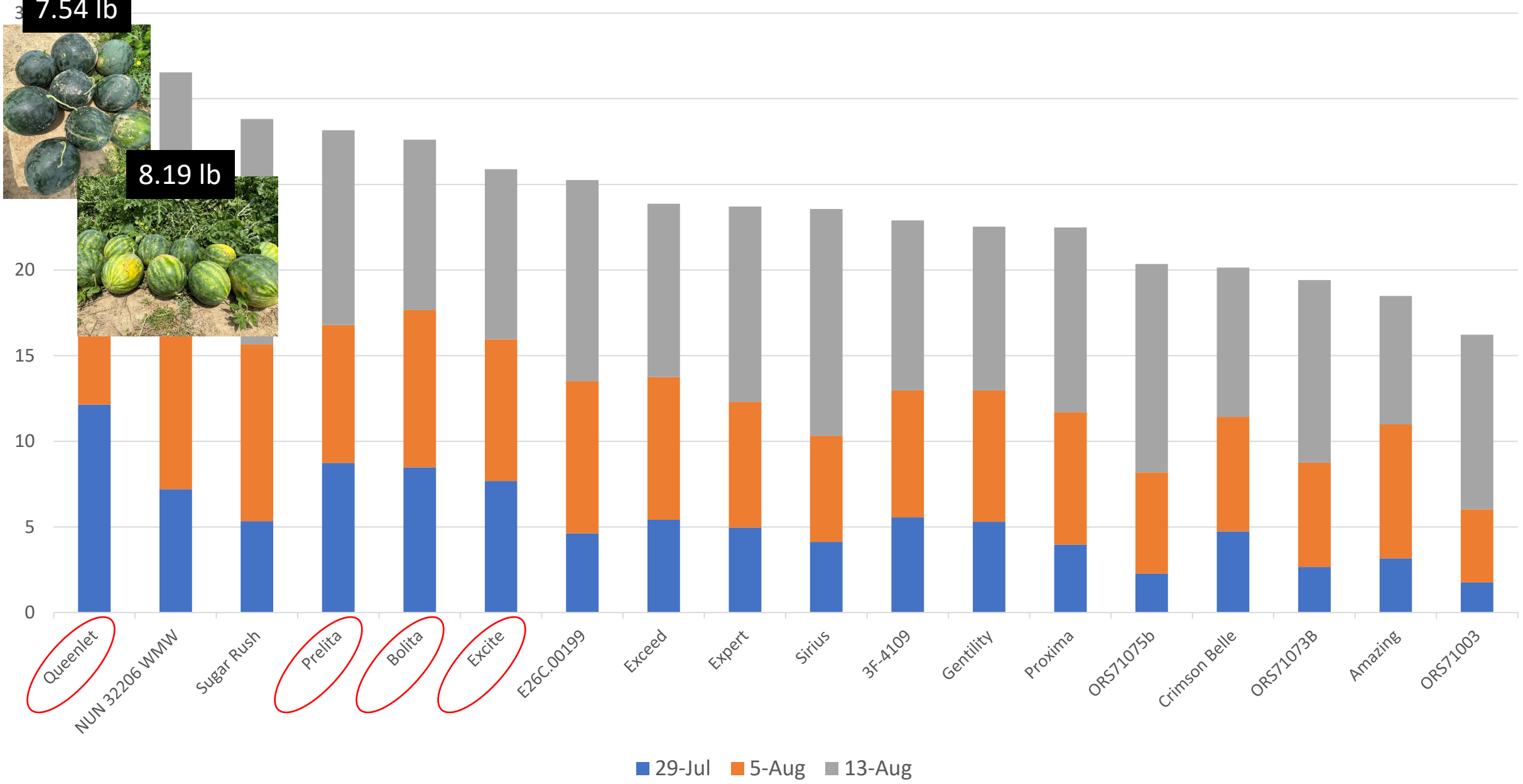


Personal-sized Seedless Watermelon Cultivars (18) Evaluated in 2024

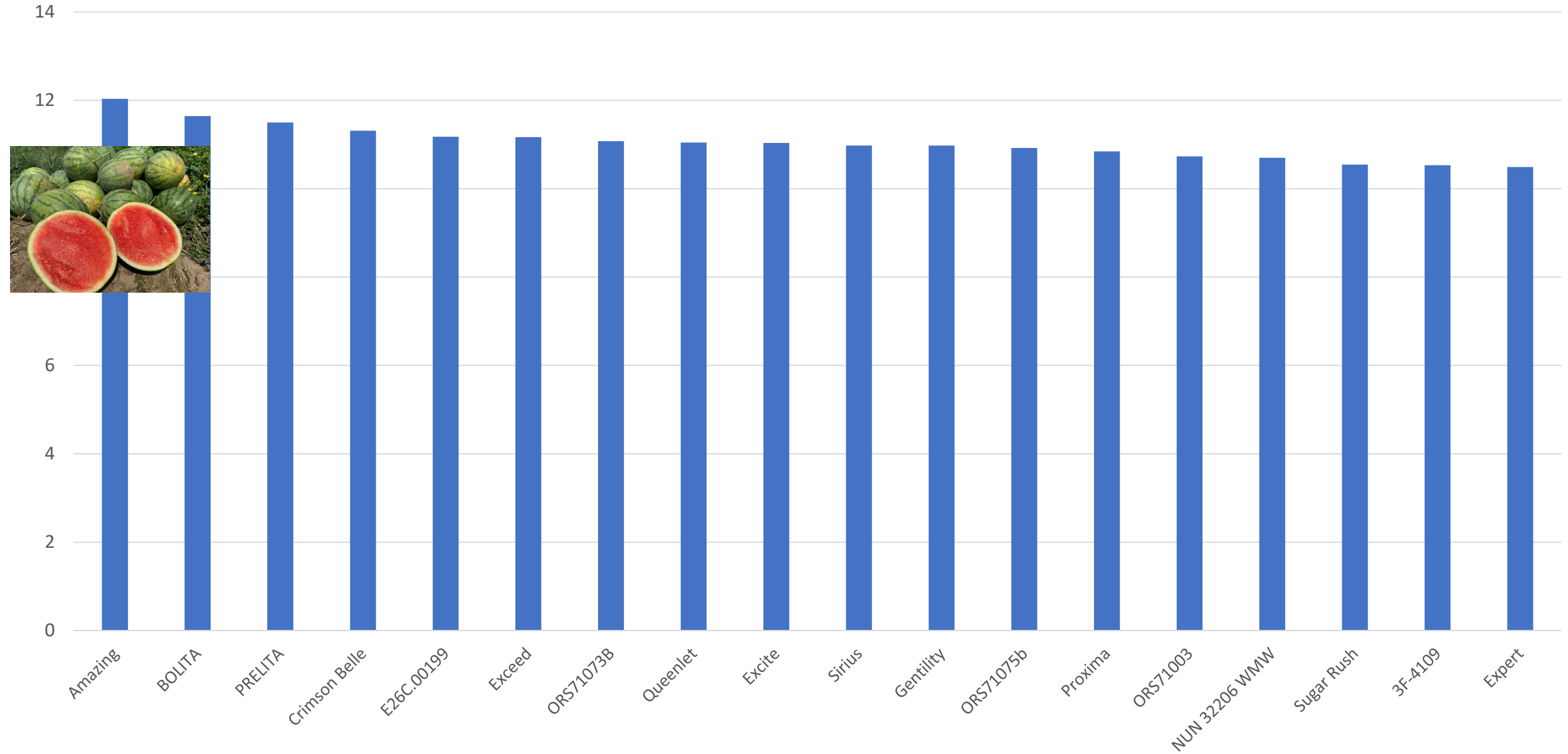
Cultivar	Seed Source	Rind Pattern
3F-4109	Known-You	Stripe
Amazing	Known-You	Tiger stripe
Gentility	Known-You	Stripe
Queenlet	Known-You	Solid dark green
Crimson Belle	Known-You	Stripe
Prelita	BASF	Stripe
NUN 32206 WMW	BASF	Stripe
Bolita	BASF	Stripe
Expert	Hazera	Stripe
Exceed	Hazera	Stripe
Excite	Hazera	Stripe
Sugar Rush	US Agriseeds	Stripe
Sirius	Syngenta	Stripe
Proxima	SWPAC	Stripe
E26C.00199	Enza Zaden	Tiger stripe
ORS71003	Origeneseeds	Stripe
ORS71073B	Origeneseeds	Stripe
ORS71075b	Origeneseeds	Stripe


Marketable Yield (lbs/acre) of Personal-sized Seedless Watermelon Cultivars in the 2024 Trial in Indiana
100000
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
90,137
44,185
Queenlet
NUN 32206 WMW
Sugar Rush
Prelita
Bolita
Excite
E26C.00199
Exceed
Expert
Sirius
3F-4109
Proxima
Gentility
ORS71075b
Crimson Belle
ORS71073B
Amazing
ORS71003

Marketable Yield (lb/plant) of Personal-sized Seedless Cultivars at Each Harvest Date



Total Soluble Solids (°Brix) of Personal-sized Seedless Watermelon Cultivars in the 2024 Trial in Indiana



Seeded Watermelon Cultivars (15) Evaluated in 2024

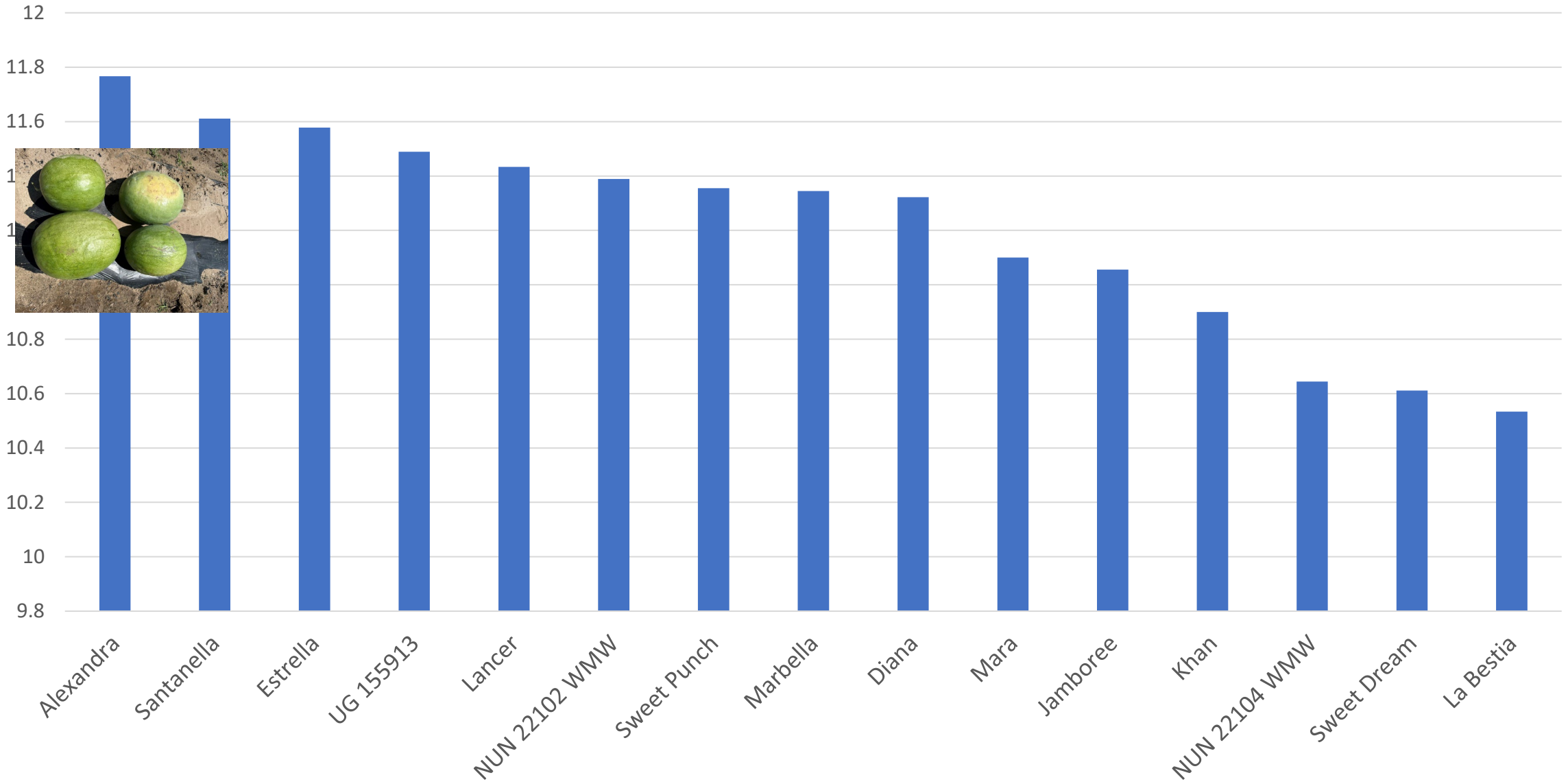
Cultivar	Seed Source
NUN 22102 WMW	BASF
NUN 22104 WMW	BASF
Alexandra	Known-You
Khan	Known-You
Lancer	Known-You
Diana	Known-You
La Bestia	United Genetics
Marbella	United Genetics
Mara	United Genetics
Santanella	United Genetics
UG 155913	United Genetics
Sweet Punch	SWPAC
Sweet Dream	SWPAC
Jamboree	SWPAC
Estrella	SWPAC

Marketable Yield (lbs/acre) of Seeded Watermelon Cultivars in the 2024 Trial in Indiana

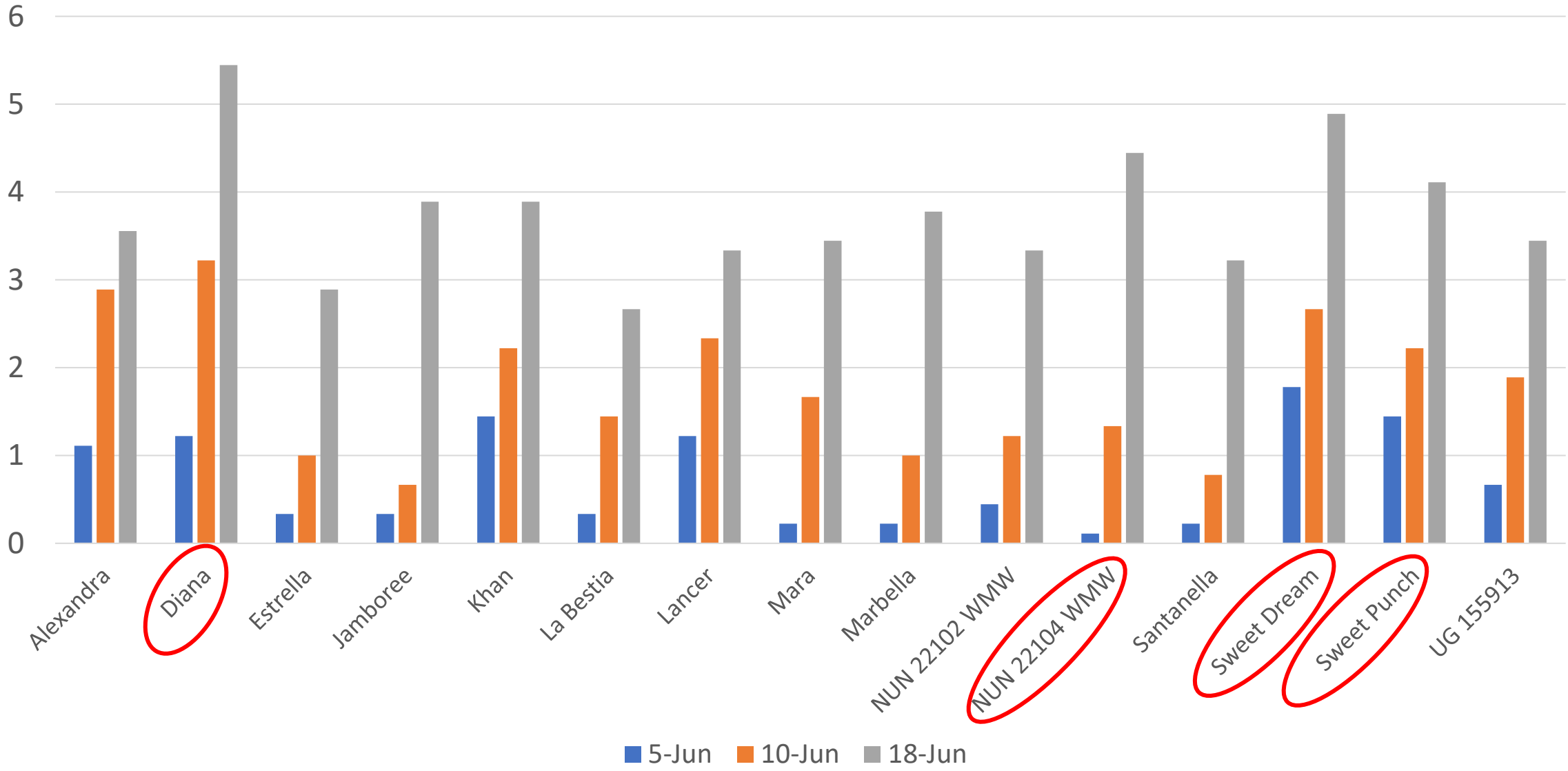
50000
45000
20000
15000
10000
5000
0

NUN 22104 WMW
Khan
Santanella
NUN 22102 WMW
La Bestia
Jamboree
UG 155913
Alexandra
Marbella
Estrella
Diana
Sweet Dream
Sweet Punch
Lancer
Mara

Total Soluble Solids (°Brix) of Seeded Watermelon Cultivars in the 2024 Trial in Indiana



Average Male Flowers per Plant of Seeded Watermelon Cultivars in the 2024 Trial in Indiana



Acknowledgement

We appreciate seed companies provided financial support for the trials, including BASF, Hazera, Seedway, Seminis/Bayer, Sakata, Known-You Seed, US Agriseeds, Syngenta, Harris Moran, Enza Zaden, Origeneseeds, United Genetics

The trial is not possible without help from the team led by Dennis Nowaskie at Southwest Purdue Agricultural Center, and technician Dean Haseman

The trial is also financially supported by Purdue Extension

Seed companies --- It is time to submit entries for 2025 trials

Growers --- Please let me know if there are any specific cultivars you would like to see included in the trials

Wenjing Guan
Email: guan40@purdue.edu
Cell: 352-870-4696

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What We Do

The SWPAP team's major focus is vegetable production, specifically cantaloupe and watermelon. Combined, watermelons and cantaloupes are grown on nearly 10,000 acres in the state, with the majority of the acreage in southwest Indiana. Annually watermelon and cantaloupe are valued at nearly $50 million. The creation of the program continues to allow for research-based extension information to be developed and delivered to vegetable and agronomic crop farmers in this region with similar environmental conditions and soil types.

GROW CONNECT - INFORMATION FOR GROWERS ABOUT CURRENT TOPICS

CONTACT US

Dr. Wenjing Guan
Clinical Engagement Associate Professor
Horticulture & Landscape Architecture
4369 N. Purdue Road
Vincennes, IN 47591
Phone: (812) 886-0198
Email: guan40@purdue.edu

Dr. César Escalante
Clinical Engagement Assistant Professor
Botany & Plant Pathology
4369 N. Purdue Road
Vincennes, IN 47591
Phone: (812) 886-0198

GROW CONNECT

ANNOUNCEMENTS

UPCOMING WINTER MEETINGS

Our Southern Indiana Vegetable Growers Annual Meeting, held in conjunction with Illiana Watermelon Association Convention (IWA), will take place on January 17 in French Lick, Indiana. Additional details about the event can be found on the **IWA website**. The meeting agenda is attached here: (**AGENDA**)

The Indiana Horticulture Conference offers another valuable opportunity for vegetable growers in southern Indiana to stay informed. This conference will be held on January 14-15, 2025, in Danville, Indiana. More information can be found on the **Indiana Horticulture Conference webpage**.

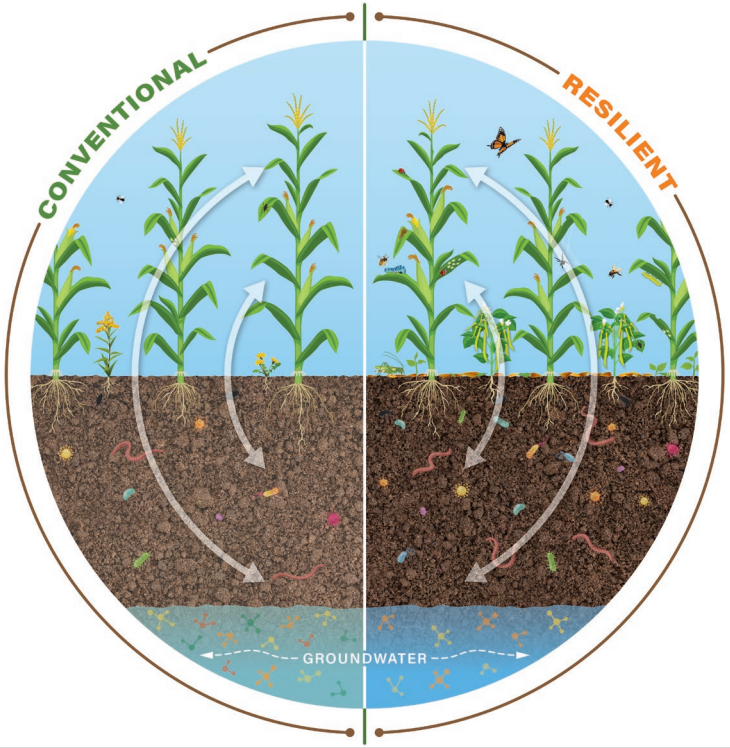
2024 WATERMELON VARIETY TRIALS

The 2024 Watermelon Variety Trial Reports are now available on the **Indiana Watermelon and Melon Variety Trials** website. Dr. Wenjing Guan will provide a Summary of findings from the 2024 trails during the Southern Indiana Vegetable Growers Annual Meeting on January 17.

CONTACT US

Dr. Wenjing Guan
Clinical Engagement Associate Professor
Horticulture & Landscape Architecture
4369 N. Purdue Road
Vincennes, IN 47591
Phone: (812) 886-0198
Email: guan40@purdue.edu

Dr. César Escalante
Clinical Engagement Assistant Professor
Botany & Plant Pathology
4369 N. Purdue Road
Vincennes, IN 47591
Phone: (812) 886-0198
Email: escalac@purdue.edu



Join us for the first "**Purdue Resilient Agriculture Summit**" held at the Beck Center in West Lafayette, IN

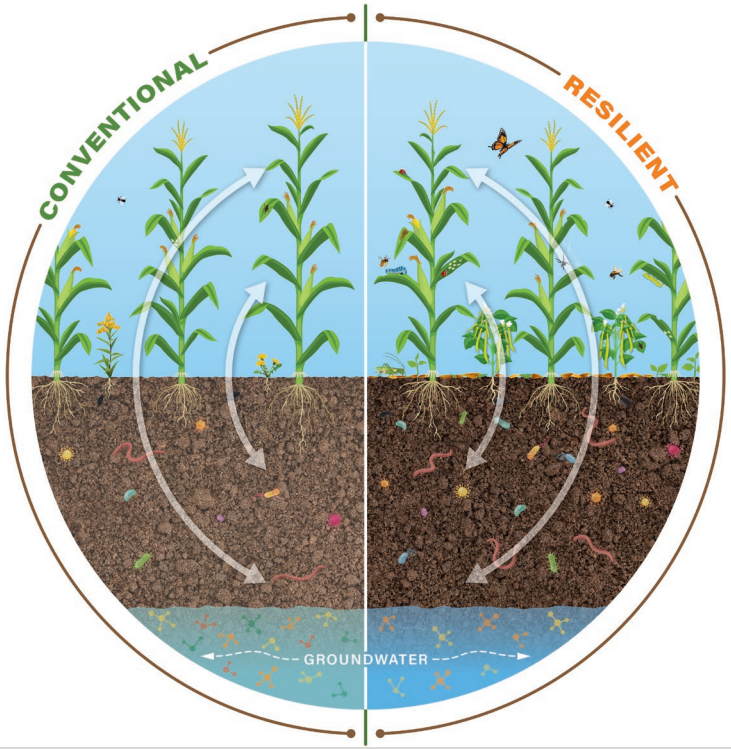
INDIANA SOYBEAN ALLIANCE | INDIANA CORN Marketing Council | INDIANA CORN GROWERS ASSOCIATION

PURDUE UNIVERSITY | Extension

SAVE THE DATE:
MARCH 13, 2025

Purdue Extension, NRCS, Indiana Corn/Soybean, industry, buyers and farmers will gather to share grower success stories, learn about initiatives and incentives from the private and public sector and help define the role of Purdue applied Research & Extension in the shift towards resilient practices, including opportunities to integrate specialty crops into corn/soy rotations. Sponsored by Indiana Corn Marketing Council and Indiana Soybean Alliance

Subscribe to the Vegetable Crops Hotline to follow announcements regarding this event (https://vegcropshotline.org/subscribe/).



Share your priorities to guide the research! Scan the QR code and complete a quick survey:

PURDUE UNIVERSITY | Extension

Advancing Agricultural Resilience with Long-Term Research across Indiana

Purdue Extension is establishing long-term agricultural resilience research plots in agronomic and specialty crop systems. The focus is on measuring the contributions of resilient practices to three key indicators:

1. Soil health
2. Carbon sequestration
3. Biodiversity conservation

Questions? Contact Laura Ingwell lingwell@purdue.edu