



TOLERANCE OF CUCUMBER CROP VARIETIES TO WHITEFLY TRANSMITTED VIRUSES



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Crops and Varieties Tested in Fall 2023

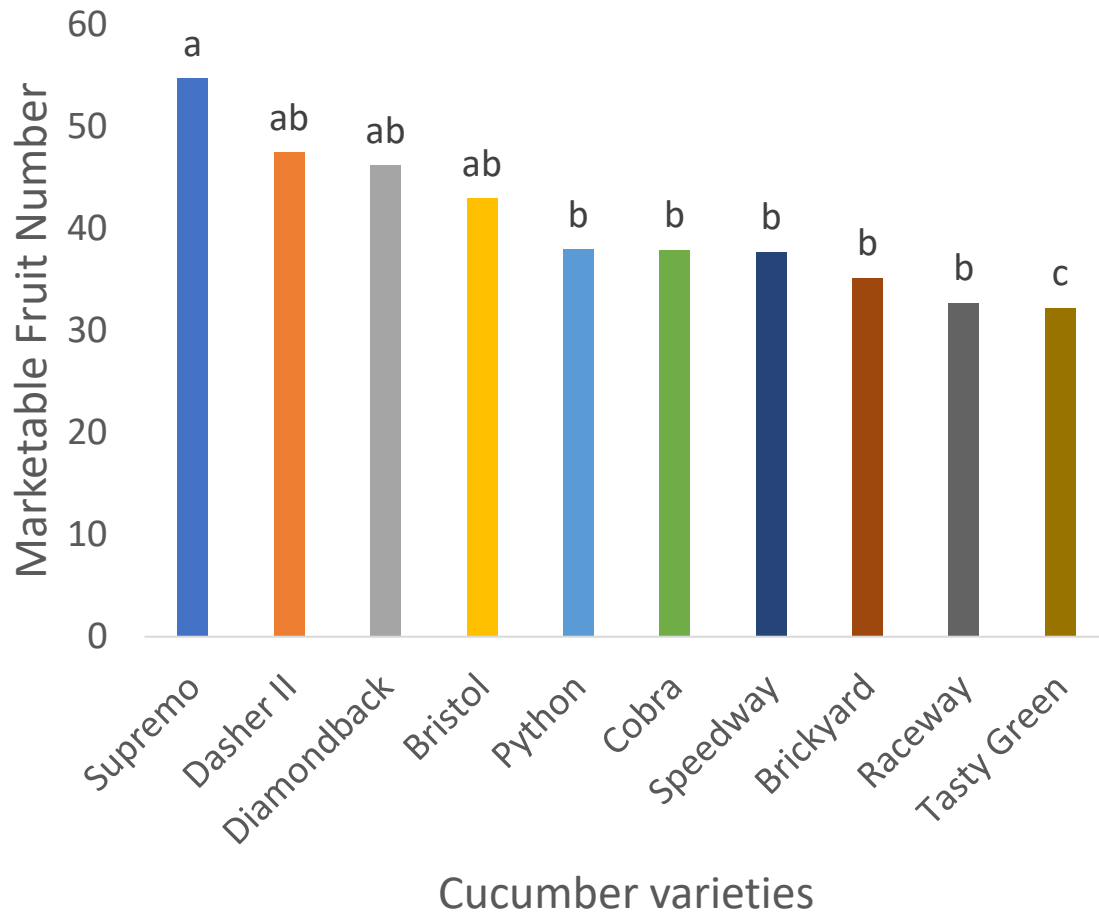
Crops

Varieties

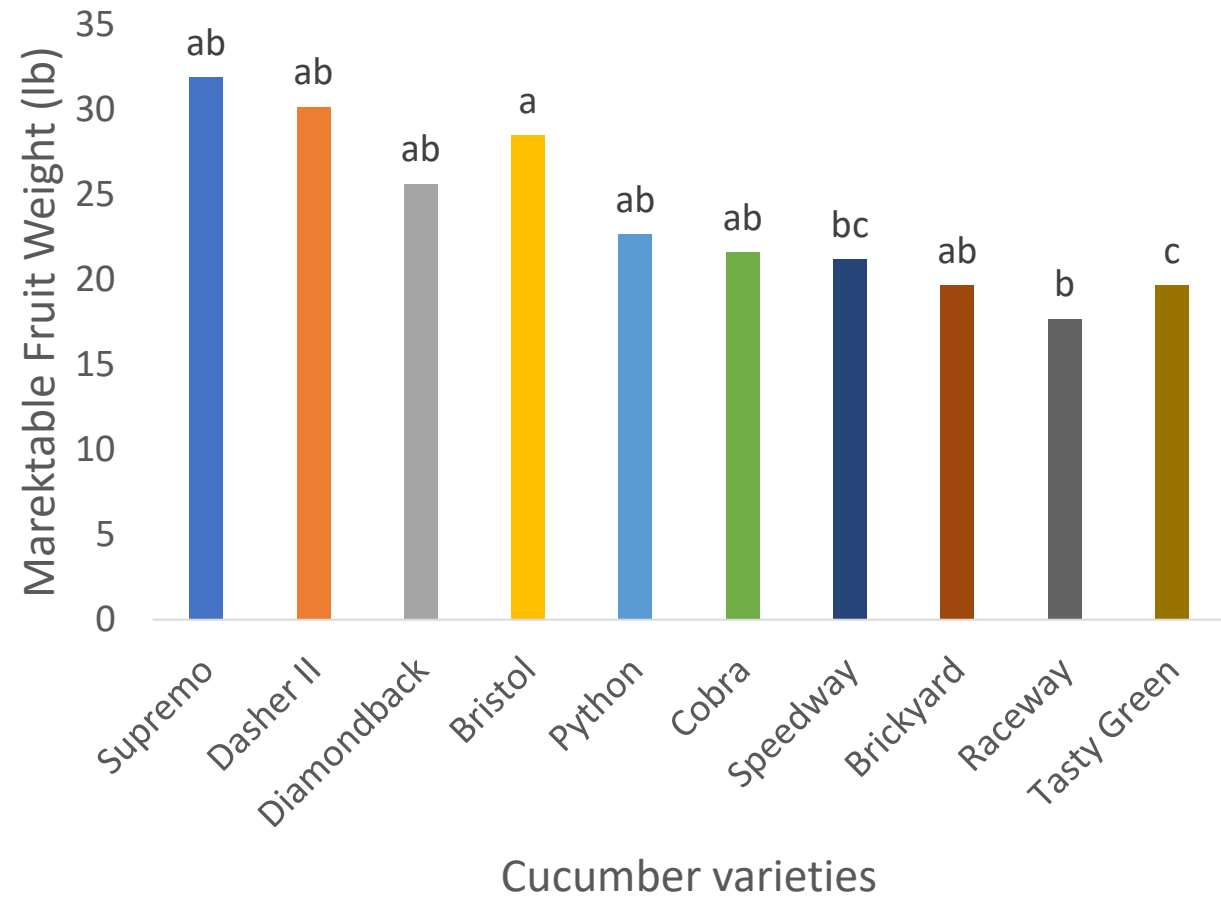
	V1	V2	V3	V4	V5	V6	V7	V8	V9	V10
Cucumber (<i>C. sativus</i>)	Supremo (P)	Speedway	Dasher II	Raceway	Bristol	Cobra	Diamondback	Python	Tasty Green (G)	Brickyard

Cucumber Marketable Fruit Yield

Marketable Fruit Number



Marketable Fruit Weight (lb)



Cucumber Yield Results 2023

Variety	Virus Fruit Number	Virus Fruit Weight (lb)	Unmarketable Fruit Number	Unmarketable Fruit Weight (lb)	Length (In)	Width (In)
Supremo (P)	0.00 b	0.00 a	17.25 b	5.93 c	5.02 d	2.00 a
Dasher II	2.25 a	1.50 a	20.27 ab	9.29 bc	7.55 bc	2.05 a
Diamondback	0.50 b	1.38 a	23.34 ab	10.22 bc	7.62 bc	1.91 ab
Bristol	0.00 b	0.00 a	15.80 b	8.36 bc	8.04 bc	1.94 a
Python	0.38 b	0.64 a	17.55 b	7.99 bc	7.38 c	1.89 ab
Cobra	0.00 b	0.00 a	16.75 b	7.67 bc	7.41 c	1.76 abc
Speedway	1.00 ab	0.69 a	20.77 ab	9.29 bc	6.95 c	1.90 ab
Brickyard	0.00 b	1.66 a	20.55 ab	8.67 bc	7.49 c	1.60 bc
Raceway	0.00 b	0.00 a	23.05 ab	11.02 b	8.59 b	1.87 ab
Tasty Green (G)	0.00 b	1.00 a	27.25 a	15.96 a	10.12 a	1.41 c

Cucumber Yield Results 2022

Variety	Marketable Fruit Number	Unmarketable Fruit Number	Length (In)	Width (In)
Supremo	70.25 a	20.75 a	4.81 c	1.81 a
Speedway	46 b	18.5 a	7.13 b	1.75 a
Dasher	44.75 b	22.5 a	7.81 ab	1.91 a
Bristol	44.25 b	12 b	7.86 ab	1.75 a
Cobra	42.5 b	11.75 b	7.63 ab	1.69 a
Raceway	36.5 b	7.75 b	8.38 a	1.69 a

Cucumber Scoring Results 2023

Variety	Virus Incidence (%)	Virus Severity (0-4)	AUDPC Downy
Supremo	72.5 b	2.50 b	3.37 cd
Dasher II	75.0 b	2.75 ab	4.12 bc
Diamondback	67.5 b	2.25 b	3.50 bcd
Bristol	67.5 b	2.25 b	3.00 d
Python	82.5 ab	2.50 b	4.00 bcd
Cobra	67.5 b	2.25 b	3.12 cd
Speedway	97.5 a	3.50 a	4.50 ab
Brickyard	67.5 b	2.50 b	4.12 bc
Raceway	65.0 b	2.25 b	3.25 cd
Tasty Green	65.0 b	2.75 ab	5.37 a

Virus Symptoms in Cucumber



Cucumber Fruits (Marketable and Unmarketable)



Summary

Cucumber

- Slicers
 - Bristol*, Dasher II, Diamondback
- Pickling
 - Supremo

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*Thank
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