

Squash Hunger Trials

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Purpose:

- To evaluate storage crop varieties to provide recommendations across multiple states
- Started in 2020 with 8 states



Kabocho

- Conducted in TN, LA, KY, OH, IN, GA, UT and WV
- Direct seeded in TN 6/19
- 6' spacing between rows
- 3' in-row spacing
- Harvested 9/3- after 76 days





Fusarium Crown and Root Rot

Fusarium solani f. sp. *cucurbitae*



Management of Fusarium

- Crop rotation
- Pathogen-free seed
- Remove infected plants and soil from field

Ambermax

- Performed well in KY
- 3-4 fruit/plant
- Full-vine
- 90 days to maturity
- 3 lbs
- Seedway



Cha-cha



- Highest survival rate in our trial, but not high yielder in other states (2-3 fruit/plant)
- Full-vine
- 85 days to maturity
- 3-4 lbs
- Seedway

Delica

- 1-3 fruit/plant
- Full-vine
- 85 days to maturity
- 3-4 lbs
- Seedway





Geisha

- 2-3 fruit/plant
- Full-vine (very!)
- 88 days to maturity
- 7-8 lbs (5-6 lbs)
- NE Seed

Golden Butta Bowl

- Top full-size performer in GA, KY, IN, and UT
- 3-5 fruit/plant
- Compact bush
- 85 days to maturity
- 3-5.5 lbs
- NE Seed



Shokichi Green



- Best yielder by count (4-9 fruit/plant)
- Vigorous vine
- 100 days to maturity
- Mini; 0.5-1.25 lbs
- Johnny's

Speckled Pup

- Slower to germinate
- Good yielder in GA, KY, UT & WV
- 4-6 fruit/plant
- Semi-bush
- 85 days to maturity- True!
- 1.5-2.5 lbs
- NE Seed



Sunshine



- 2-3 fruit/plant
- AAS Winner
2004
- Vigorous,
restricted vine
- 95 days to
maturity
- 3-5 lbs
- Seedway

Sweet Mama

- 2-3 fruit/plant
- AAS Winner 1979
- Compact vine
- 85 days to maturity
- 3.5-5 lbs (2.5 lbs)
- Seedway





Winter Sweet

- 1-3 fruit/plant
- Vigorous vine
- 95 days to maturity
- 4-5 lbs
- Johnny's



Acorns

What did we do?



- 10 states (AL, AR, IA, KY, LA, MS, NC, TN, UT, and VA)
- Planted 6/3 (Crossville) and 6/17 (Waynesville)
- Direct seeded
- 6' spacing between rows
- 3' in-row spacing
- Harvested 8/18 & 9/6 (Crossville) and 9/2 & 9/15

What did we evaluate?

- Disease damage
- Insect damage
- Days to harvest
- Total and marketable yield
- Shelf-life



Ace of Spades



- Semi-bush
- 80 days to maturity
- 1.5 lbs
- 5-6 fruit/plant
- Unmarketable: 20%
- Insect favorite; pointy bottom
- Clifton

Autumn Delight

- Bush
- 70 days to maturity
- 2-2.25 lbs
- 5-6 fruit/plant
- Unmarketable: 5%
- Nice shape and size; moderate PM resistance; a bit of PM on stems
- Rupp and Seedway



Autumn Perfection



- Bush
- 80 days to maturity
- 2-2.5 lbs
- 4-6 fruit/plant
- Unmarketable: <5%
- Good size fruit; PM resistance
- Rupp

Celebration

- Bush
- 100 days to maturity
- 1.5 lbs
- 7 fruit/plant
- Unmarketable: <5%
- Good producer!
- Decorative
- Seedway





Heart of Gold

- Semi-bush
- 90 days to maturity
- 1.75-2 lbs
- 2-3 fruit/plant*
- Unmarketable: <10%
- Very poor germination
- Seedway

Mashed Potato

- Compact vine
- 100 days to maturity
- 1.5-1.75 lbs
- 7-12 fruit/plant
- Unmarketable: <10%
- Pear shape; white flesh
- Rupp



Royal Ace



- Semi-bush
- 75 days to maturity
- 1.75 lbs
- 4-6 fruit/plant
- Unmarketable: 0%
- Variable in size; very dense; PM resistance
- Seedway

Table Ace

- Bush
- 70 days to maturity
- 1.75-2 lbs
- 4-5 fruit/plant
- Unmarketable: 5%
- Some PM on stems
- Seedway



Table Treat



- Bush
- 70 days to maturity
- 2 lbs
- 3-6 fruit/plant
- Unmarketable: 10%
- Incomplete blossom detachment; one plant yellow fruit
- Rupp

Tay Belle

- Semi-bush
- 70 days to maturity
- 2-2.5 lbs
- 6 fruit/plant
- Unmarketable: 5%
- A little PM on stems
- Seedway



Thank you!
Questions?
Email annettew@utk.edu



Real. Life. Solutions.



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