

NEW PECAN VARIETIES



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THE UNIVERSITY OF GEORGIA
COLLEGE OF AGRICULTURAL &
ENVIRONMENTAL SCIENCES®



Zinner

Nut Quality

- Size similar to 'Stuart'.
- Excellent kernel quality.
- Midseason harvest date.

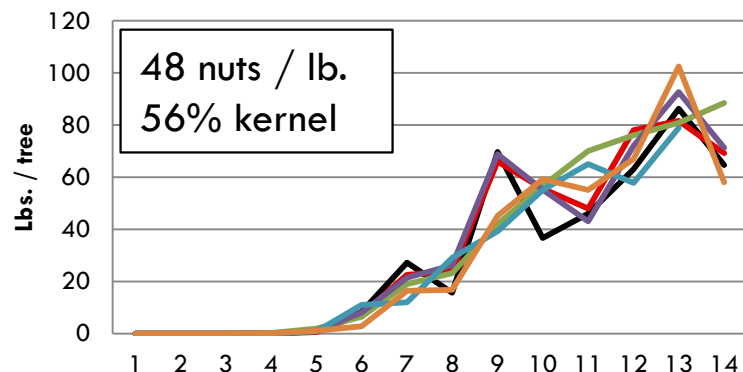
Average nut quality of test trees, 2006-2015, Tifton Ga.

Cultivar	Nuts / pound	% Kernel	50% Shuck split
Zinner	48	56	Oct. 5
Desirable	46	51	Oct. 10
Stuart	47	45	Oct. 11

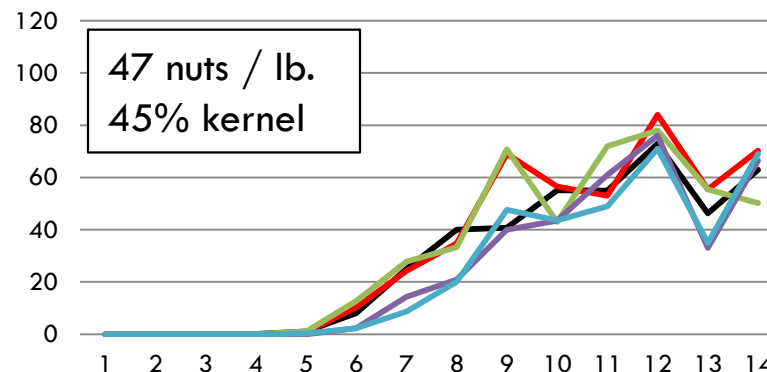


'Zinner' Productivity 2002- 2015

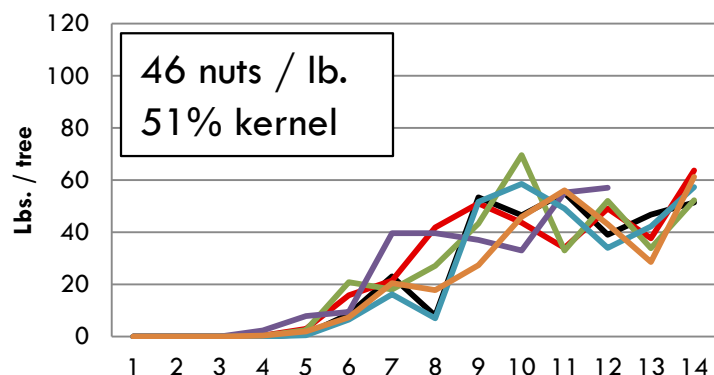
Zinner - Avg. 31 lbs.



Stuart - Avg. 29 lbs



Desirable - Avg. 24 lbs.





Zinner

Adaptability

- Will scab, but less damage than 'Desirable', similar to 'Stuart'.
- Black aphid damage similar to 'Stuart'.
- Upright tree form.
- Type II (protogynous) pollination.





Desirable



Zinner



Stuart



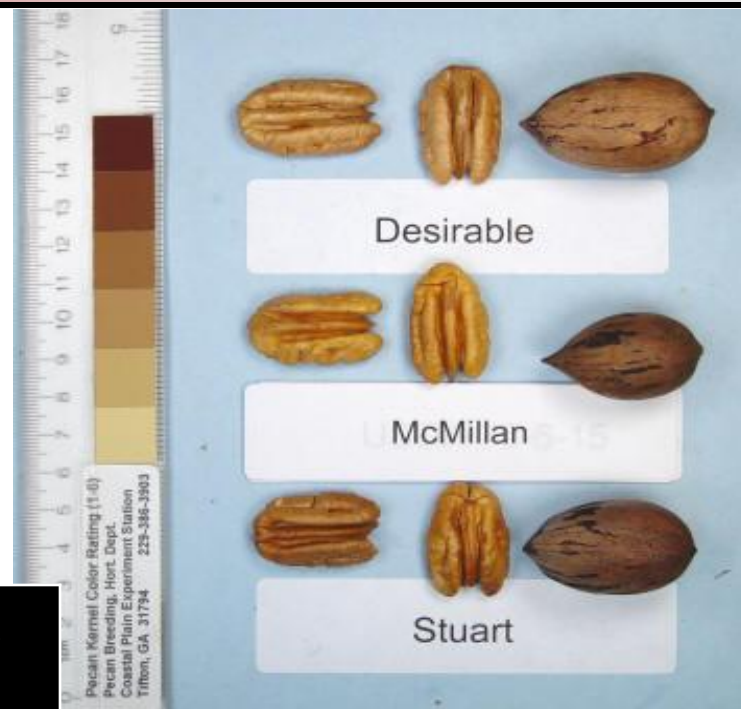
McMillan

Nut Quality

- Thick shell limits % kernel.
- Color was dark in some years.
- Looks like a good quality ‘Stuart’.
- Doesn’t have the kernel “fuzz” that ‘Stuart’ does.

Average nut quality of test trees, 2006-2015, Tifton Ga.

Cultivar	Nuts / pound	% Kernel	50% Shuck split
McMillan	51	50	Oct. 6
Desirable	46	51	Oct. 10
Stuart	47	45	Oct. 11





'McMillan'

48 nuts / lb.
49% kernel



'Stuart'

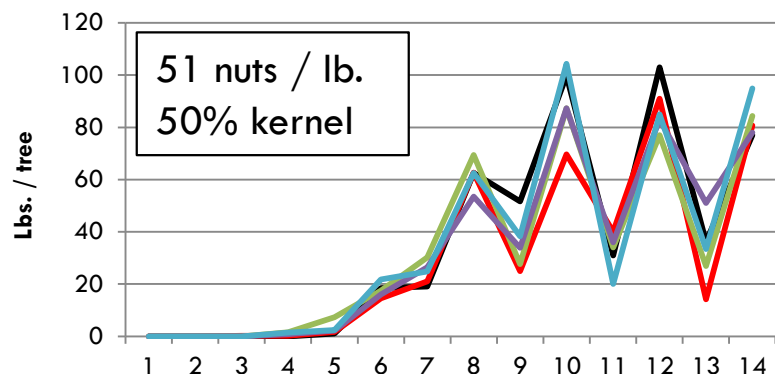
44 nuts / lb.
43% kernel



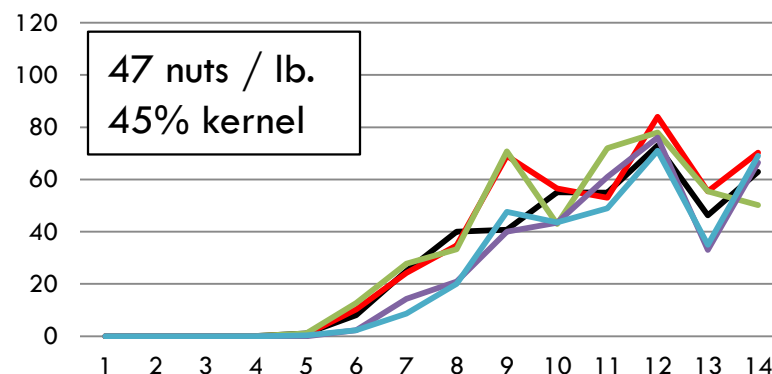
'McMillan' nut
and kernel in
comparison to
'Stuart' in 2012.

‘McMillan’ Productivity 2002- 2015

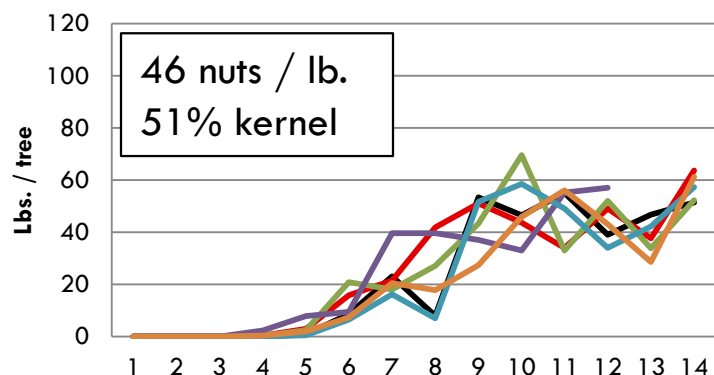
McMillan Av. 33 lbs



Stuart - Avg. 29 lbs



Desirable - Avg. 24 lbs.



‘McMillan’ will benefit from summer shaking in the ON year.





McMillan

Adaptability

- No scab in our sprayed orchard.
- Will scab in high pressure situations, but should be controlled easily.
- Fairly wide canopy.
- Type II (protogynous) pollination.





Excel

Nut Quality

- Very thick shell limits % kernel.
- Excellent kernel color.
- Good size.

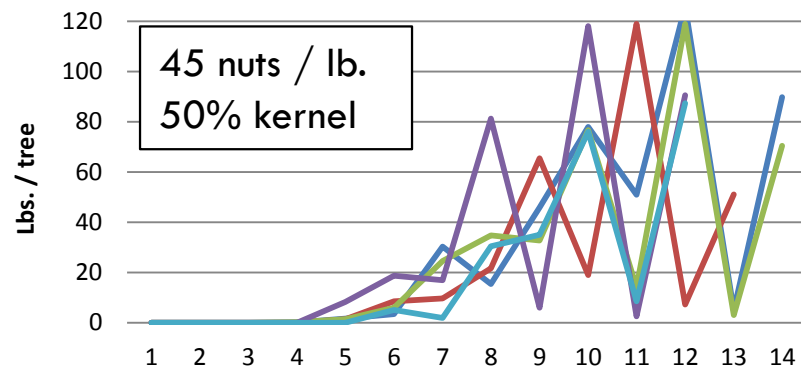
Average nut quality of test trees, 2002-2015, Tifton Ga.

Cultivar	Nuts / pound	% Kernel	50% Shuck split
Excel	45	50	Oct. 6
Desirable	46	51	Oct. 10
Stuart	47	45	Oct. 11

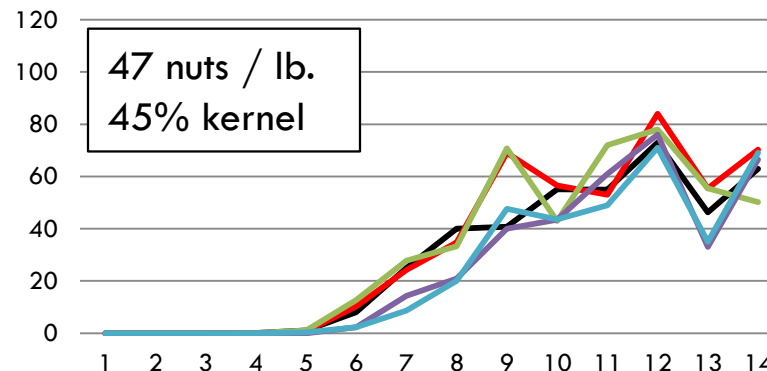


‘Excel’ Productivity 2002- 2015

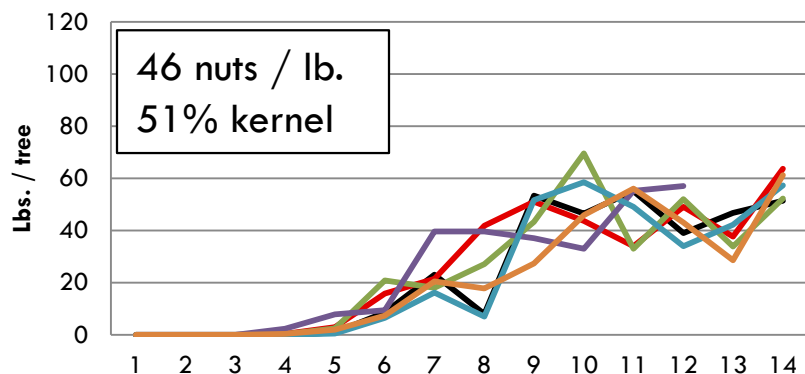
Excel - Av. 26 lbs.



Stuart - Avg. 29 lbs



Desirable - Avg. 24 lbs.



‘Excel’ needs summer shaking
in the ON year or it will
alternate.





Excel

Adaptability

- No scab in sprayed orchard.
- Aphids not a problem.
- Weepy canopy.
- Very late budbreak.
- Type II (protogynous) pollination.





New UGA cultivars

- Byrd
- **Cunard**
- Morrill
- Treadwell
- Tom
- Huffman
- Tanner
- Whiddon
- Will need excellent scab control.
- Selected for better resistance, but need more testing.





Byrd

Nut Quality

- Large nut with a thin shell.
- About 10 days after 'Pawnee' harvest.
- Large clusters at an early age.
- 'Wichita' x 'Pawnee'

Average nut quality of test trees, 2006-2015, Tifton Ga.

Cultivar	Nuts / pound	% Kernel	50% Shuck split
Byrd	48	58	Sept. 18
Desirable	46	51	Oct. 10
Pawnee	46	57	Sept. 9



Dr. Patrick Conner





‘Byrd’ **MUST** be crop thinned!





Byrd

Adaptability

- Will scab and needs regular sprays, **will have trouble with scab in south Georgia.**
- Upright tree form.
- Type I (protandrous) pollination.





Morrill

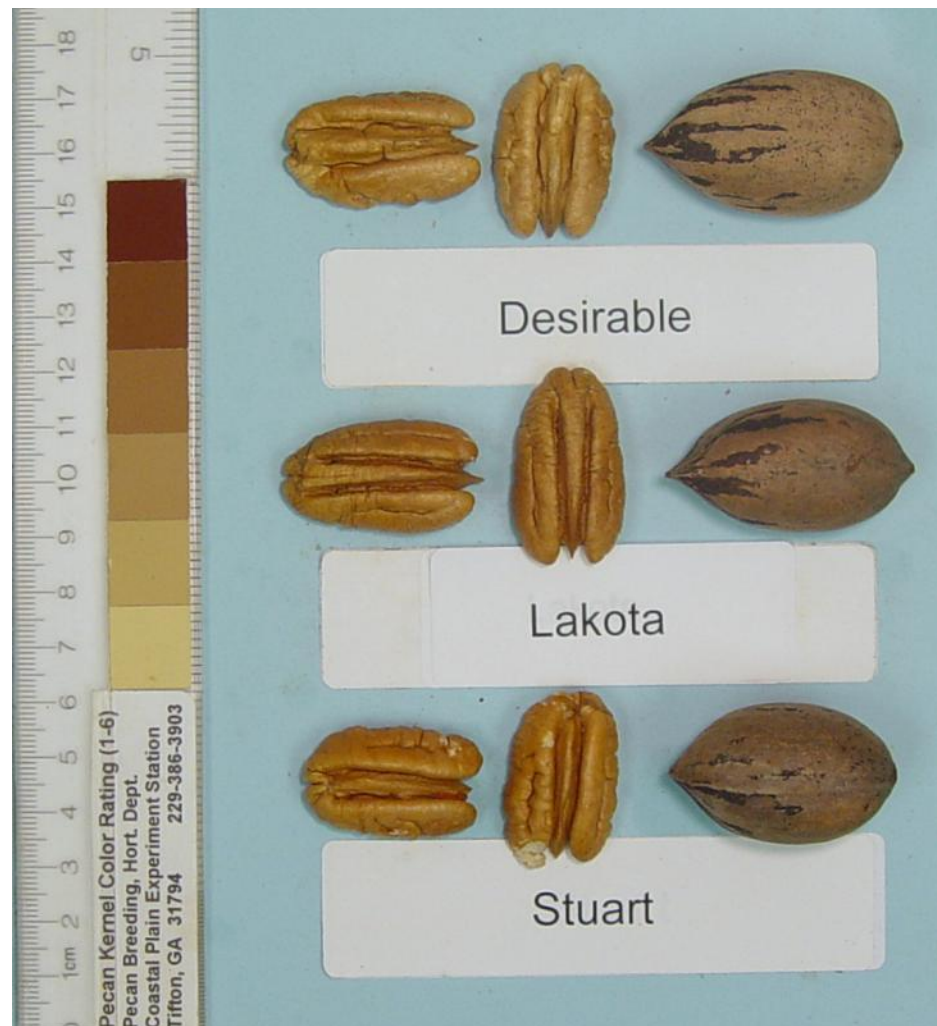
- 2nd UGA release by Darrell Sparks
- 'Wichita' x 'Pawnee'
- Harvest early October.
- Really large, pretty nut.
- 42 nuts / lb., 61% kernel (young trees).
- Will need crop thinning.
- Will need good scab control.





Lakota

- 2007 USDA release. (Mahan x Major)
- Excellent scab resistance so far.
- Harvest end of Sept.
- Some variability in nut size.
- 51 nuts/lb. 57% kernel
- Little testing in this region.
- Some reports of low quality.
- Good tree vigor.
- Type II (protogynous).
- Will need crop thinning!!
- Bacterial leaf scorch?



ALL THIS INFORMATION AND MORE IS ON OUR WEBSITE.

SEARCH FOR US UNDER "UGA PECAN BREEDING".



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