Nut Quality

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


<table>
<thead>
<tr>
<th>Cultivar</th>
<th>Nuts / pound</th>
<th>% Kernel</th>
<th>50% Shuck split</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinner</td>
<td>48</td>
<td>56</td>
<td>Oct. 5</td>
</tr>
<tr>
<td>Desirable</td>
<td>46</td>
<td>51</td>
<td>Oct. 10</td>
</tr>
<tr>
<td>Stuart</td>
<td>47</td>
<td>45</td>
<td>Oct. 11</td>
</tr>
</tbody>
</table>

Dr. Patrick Conner
‘Zinner’ Productivity 2002-2015

Zinner - Avg. 31 lbs.

- 48 nuts / lb.
- 56% kernel

Stuart - Avg. 29 lbs.

- 47 nuts / lb.
- 45% kernel

Desirable - Avg. 24 lbs.

- 46 nuts / lb.
- 51% kernel
Adaptability

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


<table>
<thead>
<tr>
<th>Cultivar</th>
<th>Nuts / pound</th>
<th>% Kernel</th>
<th>50% Shuck split</th>
</tr>
</thead>
<tbody>
<tr>
<td>McMillan</td>
<td>51</td>
<td>50</td>
<td>Oct. 6</td>
</tr>
<tr>
<td>Desirable</td>
<td>46</td>
<td>51</td>
<td>Oct. 10</td>
</tr>
<tr>
<td>Stuart</td>
<td>47</td>
<td>45</td>
<td>Oct. 11</td>
</tr>
</tbody>
</table>
‘McMillan’ nut and kernel in comparison to ‘Stuart’ in 2012.

‘McMillan’
- 48 nuts / lb.
- 49% kernel

‘Stuart’
- 44 nuts / lb.
- 43% kernel
‘McMillan’ Productivity 2002-2015

**McMillan** Av. 33 lbs

- 51 nuts / lb.
- 50% kernel

**Stuart** - Av. 29 lbs

- 47 nuts / lb.
- 45% kernel

**Desirable** - Av. 24 lbs.

- 46 nuts / lb.
- 51% kernel

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

---

Dr. Patrick Conner
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.
**Nut Quality**

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


<table>
<thead>
<tr>
<th>Cultivar</th>
<th>Nuts / pound</th>
<th>% Kernel</th>
<th>50% Shuck split</th>
</tr>
</thead>
<tbody>
<tr>
<td>Excel</td>
<td>45</td>
<td>50</td>
<td>Oct. 6</td>
</tr>
<tr>
<td>Desirable</td>
<td>46</td>
<td>51</td>
<td>Oct. 10</td>
</tr>
<tr>
<td>Stuart</td>
<td>47</td>
<td>45</td>
<td>Oct. 11</td>
</tr>
</tbody>
</table>
‘Excel’ Productivity 2002-2015

Excel - Av. 26 lbs.

- Desirable - Avg. 24 lbs.
  - 46 nuts / lb.
  - 51% kernel

Stuart - Avg. 29 lbs

- Excel - Av. 26 lbs.
  - 45 nuts / lb.
  - 50% kernel

- Stuart - Avg. 29 lbs
  - 47 nuts / lb.
  - 45% kernel

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

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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

- Will need excellent scab control.

- Tom
- Huffman
- Tanner
- Whidden

- Selected for better resistance, but need more testing.

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Byrd

Nut Quality

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


<table>
<thead>
<tr>
<th>Cultivar</th>
<th>Nuts / pound</th>
<th>% Kernel</th>
<th>50% Shuck split</th>
</tr>
</thead>
<tbody>
<tr>
<td>Byrd</td>
<td>48</td>
<td>58</td>
<td>Sept. 18</td>
</tr>
<tr>
<td>Desirable</td>
<td>46</td>
<td>51</td>
<td>Oct. 10</td>
</tr>
<tr>
<td>Pawnee</td>
<td>46</td>
<td>57</td>
<td>Sept. 9</td>
</tr>
</tbody>
</table>

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‘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”.

Dr. Patrick Conner
University of Georgia – Tifton Campus