Variety Performance:
Top Choices for 2016 and Recent Releases

Dan Anco, Peanut Specialist
Thank You

Growers

Sponsors

Not on program:

McLean Marechal Insurance – Nationwide Agribusiness – Ernie Baker
Sparrow & Kennedy Tractor Company, Inc. – Heath Wilson
Thimet, acephate
Late leaf spot defoliation

Champs, Spain, Wynne, Bailey, Sugg, Sullivan

Bravo 1.5 pt/A
45, 70, 90 DAP
Late leaf spot defoliation

Bravo 1.5 pt/A
45, 70, 90 DAP
**Low**
5 Bravo

**Moderate**
5 Bravo
4 Orius

**High**
Banded Propulse
3 Bravo + Orius
2 Convoy
2 Provost
**Low**
5 Bravo

**Moderate**
5 Bravo
4 Orius

**High**
Banded Propulse
3 Bravo + Orius
2 Convoy
2 Provost
% = yield loss from high management

Low $40/A/season
5 Bravo

Moderate $52/A/season
5 Bravo
4 Orius

High $145/A/season
Banded Propulse
3 Bravo + Orius
2 Convoy
2 Provost
% = yield loss from high management

**Low $40/A/season**
- 5 Bravo

**Moderate $52/A/season**
- 5 Bravo
- 4 Orius

**High $145/A/season**
- Banded Propulse
- 3 Bravo + Orius
- 2 Convoy
- 2 Provost
Top Virginias

• Bailey
  • Yield, disease resistance, small seed (510/lb), 132 day maturity

• Sullivan
  • High oleic, yield, disease resistance, small seed (510/lb), 135 day maturity

• For large seed (450 – 480/lb):
  • Sugg for slightly better WM resistance, 135 day maturity, better grade
  • Wynne for high oleic, ~142 day maturity
Top Runners

• Georgia 06G
  • Yield, grade, availability, 140 day maturity, large seed (650/lb), (high input...)

• Georgia 09B
  • Yield, high oleic, smaller seed (700/lb), 135 day maturity

• Georgia 12Y
  • Yield, TSWV & white mold resistance, 150 day maturity, smaller seed (700/lb)

• TUFRunner 511
  • Yield, grade, partial WM resistance, 140 day maturity, larger seed (615/lb), high oleic, (limited availability...)
Recent Virginia Release

- Emery 2015
  - High oleic, large pods, good yield and grade, bright hulls, TSWV resistance, (susceptible to CBR), moderate maturity?
Recent Runners, all high oleic

- **Georgia 13M**  
  - 2013
  - Yield, small seed (830/lb), 150 day maturity, (LLS susceptibility...)

- **Georgia 14N**  
  - 2014
  - Yield, grade, small seed (800/lb), **root knot nem. resistance**, partial LLS resistance, 150 day maturity

- **TUFRunner 297**  
  - 2014
  - Yield, grade, larger seed (~600/lb), ~140 day maturity

- **FloRun 157**  
  - 2015
  - Yield, grade, medium seed (~675/lb), ~140 day maturity, partial LLS resistance

- **TifNV-High O/L**  
  - (HO Tifguard)  
  - 2015
  - Yield, **nem. resistance**, medium maturity, partial LLS resistance
Fungicide Update
Late leaf spot defoliation (%)

Strobilurins may be becoming less effective
Still effective: Priaxor, Fontelis, Provost...
Elatus: new and effective
Propulse Label *Ch-Ch-Ch-Changes*

- In-furrow use now okay: **CBR**!
- Bye-bye banded rate application...
  - *Proline and Elatus labeled for banded* (white mold, leaf spot)
- Broadcast use and rate (13.6 fl oz/A) unchanged
Elatus – Syngenta

- Azoxystrobin + benzovindiflupyr Group 11 + 7
- Systemic, preventative, curative properties

- Banded application 0.5 – 0.65 oz/1000 row ft
  - White mold, Rhizoctonia limb rot, CBR, Sclerotinia blight suppression
- Broadcast 7.3 – 9.5 oz/A
  - Early, late leaf spot, web blotch, rust, pepper spot, white mold, Rhizoctonia limb rot
  - CBR, Sclerotinia blight suppression
### An effective premium fungicide

#### Treatment options and timing (days after planting):

<table>
<thead>
<tr>
<th></th>
<th>21</th>
<th>30</th>
<th>45</th>
<th>60</th>
<th>75</th>
<th>90</th>
<th>105</th>
<th>120</th>
</tr>
</thead>
<tbody>
<tr>
<td>Banded application 6.9 – 8.9 oz/A (38” rows)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bravo (+ Cadre): high leaf spot risk</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bravo</td>
<td></td>
<td></td>
<td>Elatus (7.3 – 9.5 oz/A)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bravo</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>tebuconazole (7.2 oz/A) + Bravo (1.5 pt/A)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bravo</td>
<td></td>
<td></td>
<td>Elatus</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bravo</td>
<td></td>
<td></td>
<td></td>
<td>Provost (10.7 oz/A)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bravo</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max 2 applications recommended</td>
<td>Alternate with Provost, Artisan/Convoy + Bravo, Bravo + teb. (+ Topsin)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Muscle ADV – SipCam

- Tebuconazole + chlorothalonil
  - Systemic
  - Protectant
- Rate: 32 fl oz/A

**Soilborne Diseases:**
- Sclerotium stem and pod rot (white mold, Southern blight, Southern stem rot) *(Sclerotium rolfsii)*
- Rhizoctonia limb rot *(Rhizoctonia solani)*
- Rhizoctonia pod rot *(R. solani)* *(VA & NC Only)*

**Foliar Diseases:**
- Early leaf spot *(Cercospora arachidicola)*
- Late leaf spot *(Cercosporidium personatum)*
- Pepper spot *(Leptosphaerulina crassiasca)*
- Rust *(Puccinia arachidis)*
- Web blotch *(Phoma arachidicola)*

**Group 3 + M5**
Muscle ADV

• Muscle tebuconazole (0.21 lbs/A) > Folicur/Orius (0.2025 lbs/A)
• Muscle chlorothalonil (0.75 lbs/A) < Bravo (1.125 lbs/A)

• Add 0.5 pt/A Bravo for late leaf spot control
### Backup replacement for Bravo + teb.

| Treatment options and timing (days after planting): |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|                | 30              | 45              | 60              | 75              | 90              | 105             | 120             |
| Bravo (+ Cadre): high leaf spot risk | Bravo (1.5 pt/A) | Elatus (7.3 oz/A) OR Convoy + Bravo (16 oz + 1.5 pt/A) | Muscle ADV (2 pt/A) + Bravo (0.5 pt/A) | Muscle ADV + Bravo | tebuconazole (7.2 oz/A) + Bravo (1.5 pt/A) | Muscle ADV + Bravo | Muscle ADV + Bravo |
| Muscle ADV + Bravo | Priaxor (8 oz/A) | Fontelis (16 oz/A) | Muscle ADV + Bravo | Muscle ADV + Bravo | Muscle ADV + Bravo | Muscle ADV + Bravo | Muscle ADV + Bravo |

Max 3 applications

Alternate with Artisan/Convoy + Bravo, Elatus, Fontelis, Priaxor, (Provost)
Custodia – MANA

- Tebuconazole + azoxystrobin
- Rate: 15.5 fl oz/A
- Systemic

**Foliar Diseases**
- Early Leaf Spot (*Cercospora arachidicola*)
- Late Leaf Spot (*Cercosporidium personatum*)
- Rust (*Puccinia arachidis*)
- Pepper spot (*Leptosphaerulina spp.*)
- Web Blotch (*Phoma arachidicola*)

**Soil-Borne Diseases**
- Rhizoctonia limb rot
- Rhizoctonia Pod Rot (*R. solani*) (Virginia and North Carolina only)
- Southern stem and pod rot (White mold, Southern blight, Southern stem rot) (*Sclerotium rolfsii*)
- Suppression only: Cylindrocladium Black Rot (*C. crotalariae*)
- Pythium Pod Rot (*P. myriotylum*)
Custodia

• Tebuconazole amount = Folicur application
• Low azoxystrobin (7.45 fl oz/A; recommended: 18 fl oz/A)
• Late leaf spot resistant to tebuconazole
• Strobilurin becoming less effective

• Add 1 pt/A Bravo for late leaf spot control
Custodia

• Phytotoxicity when mixed with ECs, adjuvants with silicone
  • Comite 6.55 EC
  • Diamond 0.83EC
  • Brigade 2 EC, Mustang Max 0.8EC
**Alternative for Bravo + teb.**

<table>
<thead>
<tr>
<th>Treatment options and timing (days after planting):</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
</tr>
<tr>
<td>Bravo (+ Cadre): high leaf spot risk</td>
</tr>
<tr>
<td>Bravo + Cadre: high leaf spot risk</td>
</tr>
</tbody>
</table>

- Max 4 full rate teb. applications,
  2 strobilurins
- Alternate with Artisan/Convoy + Bravo, Fontelis, (Elatus), (Priaxor), (Provost)
Dan Anco
Peanut Specialist

cell  630-207-4926       danco@clemson.edu
office  803-284-3343 x261

Edisto Research and Education Center
64 Research Road, Blackville, SC 29817

Peanut Production Guide
www.clemson.edu/extension/rowcrops/peanuts/

Clemson University Cooperative Extension Service offers its programs to people of all ages, regardless of race, color, gender, religion, national origin, disability, political beliefs, sexual orientation, marital or family status and is an equal opportunity employer.