

# 2019 Pecan Pathology Update

Jason Brock

UGA Dept. of Plant Pathology



[extension.uga.edu](http://extension.uga.edu) | 1-800-ASK-UGA1

MBCs (thiophanates)	1	Topsin; T-methyl, <i>TopsinXTR2</i>
DIMs (triazoles, sterol inhibitors)	3	Orbit, Orius, Propimax, Bumper, Enable, Quash, Folicur, Tebuzol, Toledo, Monsoon, Topguard, Andiamo <i>Absolute, Quilt, Quilt Xcel, Quadris Top, Custodia, Minerva Duo, TopsinXTR2, Viathon, TopguardEQ, Amistar Top, Brixen, Helmstar Plus</i>
Qols (strobilurins)	11	Abound, Azaka, Sovran, Headline, Narvos, <i>Absolute, Quadris Top, Quilt, Quilt Xcel, Custodia, TopguardEQ, Amistar Top, Brixen, Helmstar Plus</i>
Guanidines	U12	Elast
Organo-metallics	30	Super Tin, Agri Tin, <i>Minerva Duo</i>
Phosphonates	33	Phostrol, ProPhyt, FungiPhite, Reliant, Fosphite, Kphite, Phiticide, Rampart, Topaz, <i>Viathon</i>

# Phosphite Residues Update (EU)

- A temporary MRL 75 parts per million (ppm) expired December 31, 2015.
- At that time, pecans were subject to the default MRL of 2 ppm.
- Official Journal of the European Union (Volume 61, June 5, 2018) – pecan now has a maximum residue limit of 500 ppm.



# Phosphite Use

- Rate response
- 3 to 5 applications
  - Recommended stand-alone pre-pollination
  - Typically recommended in a tank mix post-pollination
- I would get first application out in the 1<sup>st</sup> two sprays



# Pre-pollination Sprays

DMIs (triazoles, sterol inhibitors)	3	Andiamo, Bumper, Enable, Folicur, Monsoon, Orbit, Orius, Propimax, Quash, Tebuzol, Toledo, <i>Minerva Duo, TopsinXTR2, Viathon</i>
Qols (strobilurins)	11	Abound, Azaka, Headline, Sovran, Narvos
	11 + 3	<i>Absolute, Amistar Top, Brixen, Quilt, Quilt Xcel, Quadris Top, Custodia, Helmstar Plus, TopguardEQ</i>
Phosphites	33	Phostrol, ProPhyt, FungiPhite, Reliant, Fosphite, Kphite, Phiticide, Rampart, Topaz, <i>Viathon</i>

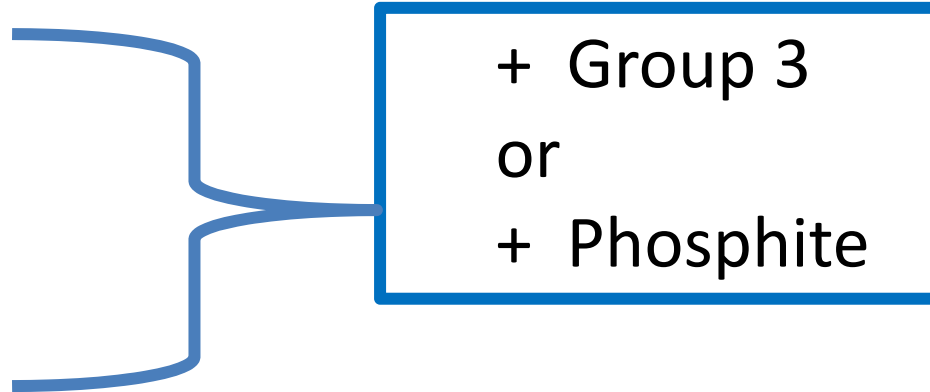
# Post-pollination Sprays

- Tin
- Elast
- Tin + Elast



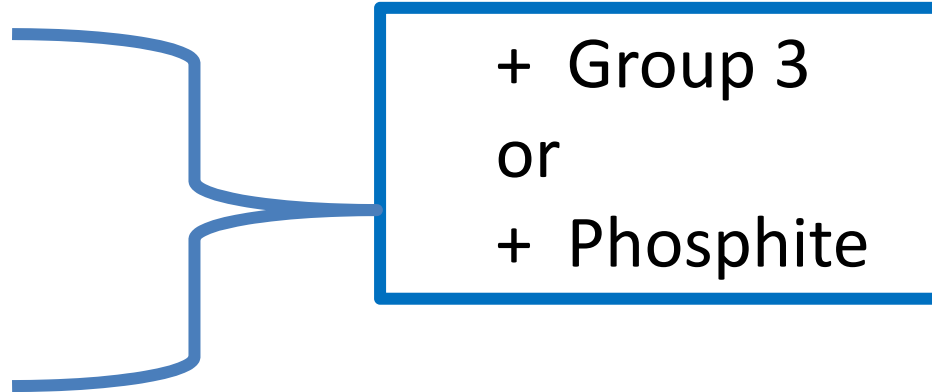
# Post-pollination Sprays

- Tin
- Elast
- Tin + Elast



# Post-pollination Sprays

- Tin
- Elast
- Tin + Elast



*rotate with*

- Groups 11+3 mix



MBCs (thiophanates)	1	Topsin; T-methyl, <i>TopsinXTR2</i>
DMIs (triazoles, sterol inhibitors)	3	Orbit, Orius, Propimax, Bumper, Enable, Quash, Folicur, Tebuzol, Toledo, Monsoon, Topguard, Andiamo <i>Absolute, Quilt, Quilt Xcel, Quadris Top, Custodia, Minerva Duo, TopsinXTR2, Viathon, TopguardEQ, Amistar Top, Brixen, Helmstar Plus</i>
Qols (strobilurins)	11	Abound, Azaka, Sovran, Headline, Narvos, <i>Absolute, Quadris Top, Quilt, Quilt Xcel, Custodia, TopguardEQ, Amistar Top, Brixen, Helmstar Plus</i>
Guanidines	U12	Elast
Organo-metallics	30	Super Tin, Agri Tin, <i>Minerva Duo</i>
Phosphonates	33	Phostrol, ProPhyt, FungiPhite, Reliant, Fosphite, Kphite, Phiticide, Rampart, Topaz, <i>Viathon</i>



[extension.uga.edu](http://extension.uga.edu) | 1-800-ASK-UGA1