



UNIVERSITY OF GEORGIA  
EXTENSION

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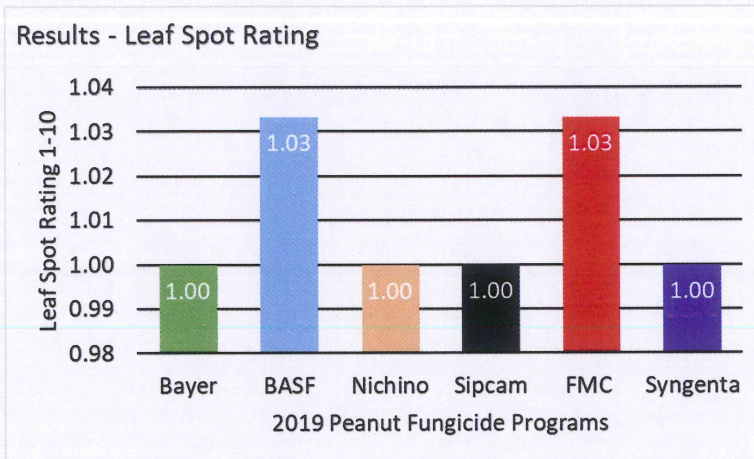
February 4, 2020

Dear Georgia Peanut Commission,

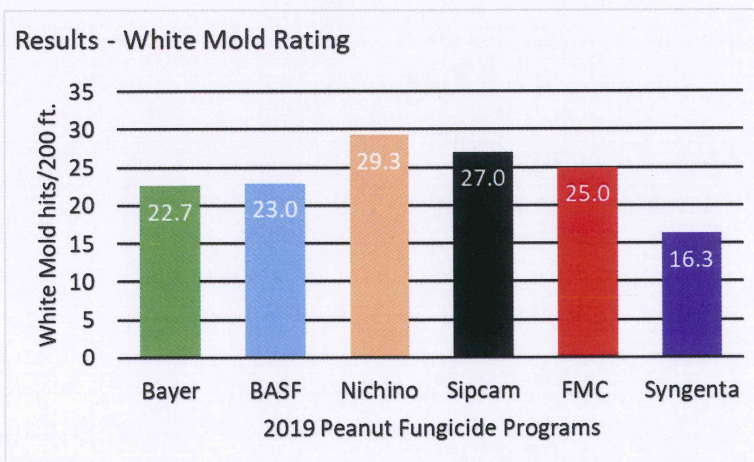
Coffee County peanut production value to the state of Georgia is \$26.37 million according to the 2018 Georgia Farm Gate value. Growers' management practices depend upon information received from University of Georgia Extension, local agriculture suppliers, and their peers.

In 2011, white mold cost Georgia peanut growers \$41 million. Hurricane impact during the 2017 and 2018 growing seasons further increased growers' financial burdens limiting funds available to control white mold in peanuts. Past University of Georgia Extension fungicide recommendations have helped reduce peanut yield loss due to white mold injury. Further research is needed to ensure growers have an economical and effective fungicide program.

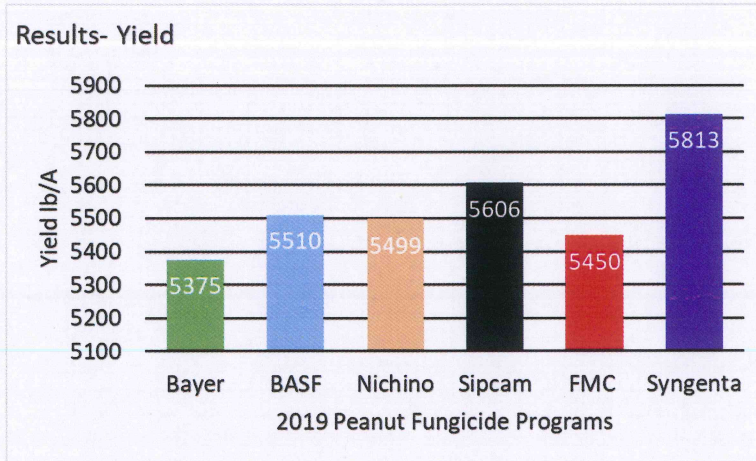
The first-year of the peanut fungicide research trial was planted to GA-06G in Broxton, GA. The trial contained three replications in a standard randomized block design. The plots were planted on 38" twin-row peanut spacing. Disease counts were taken for leaf spot and white mold for each of the fungicide treatments. The agent concluded the first-year trial with harvest. Yield was determined by weighing each individual plot. The UGA peanut pathologist and county agent will disseminate results of the trial to growers via presentation during county peanut production meetings and individual consultations.



**Figure 3.** Leaf spot rating results between commercial fungicide programs in Coffee County for the 2019 on-farm peanut fungicide trial.



**Figure 4.** White mold rating results between commercial fungicide programs in Coffee County for the 2019 on-farm peanut fungicide trial.



**Figure 5.** Peanut yield (lb/A) results between commercial fungicide programs Coffee County for the 2019 on-farm peanut fungicide trial.

### Peanut Fungicide Research Trial Results

Dr. Bob Kemeriat provided his thoughts on the 2019 fungicide programs conducted by Extension agents in Georgia. He believes most programs were “hybrid” programs; i.e. mixes of products from different companies. However, there are exceptions such as Elatus, Fontelis, Muscle ADV, and Mazinga Programs. Fungicide programs generally at or near the top across all on-farm research trials was Miravis and Elatus Programs. The fungicide programs that were generally close behind were Fontelis, Priaxor-Convoy, and Priaxor-Umbra. Lucento generally performed well. Muscle ADV, Mazinga, and Provost Silver had their moments of brilliance.

I would like to thank the O’Steen family for their cooperation in allowing us to conduct these on-farm research trials. I also want to thank Dr. Bob Kemerait, UGA Extension Pathologist, Dr. Scott Monfort, UGA Extension Peanut Specialist, and Tony Barnes, Atkinson County ANR Extension agent for their assistance in this on-farm research trial. This projects would not have been possible without the funding support of Georgia Peanut Commission. I sincerely want to thank you for choosing me to be a recipient of the 2019 Peanut Demonstration and Research Grant.

Sincerely,

John McLemore  
Coffee County ANR agent