

## **On-going Fungicide and Growth Regulator Research in Louisiana Peanut**

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At the request of growers and with funding from the National Peanut Board, we have begun investigations into fungicide application timing and efficacy as well as growth regulator effects in peanut in Louisiana.

On-farm efforts at three locations during 2021 included comparisons of two applications of tebuconazole (7.2 fl oz/A) against one application of Elatus (9.5 oz/A) for stem rot management. Two applications of the growth regulator, Kudos (5.4 oz/A), also were compared to non-treated plots. Preliminary results indicate similar significant reductions of stem rot with both fungicides compared to the non-treated plots. Plots treated with Kudos had significantly higher row definition than non-treated plots. Yields were significantly higher than non-treated controls in plots treated with Elatus only or Kudos only.

Small plot fungicide and growth regulator efficacy trials were initiated in Winnsboro and St. Joseph, LA during the 2021 growing season. Eleven labeled fungicides were applied to GA-06 plots at both locations. Stem rot incidence and severity was low and highly variable at both locations; therefore, results were inconclusive. Five rates of Kudos ranging from 1.8 to 9.0 fl oz/A were applied twice to GA-06 at both locations. In St. Joseph, row definition significantly increased with growth regulator rate, and in Winnsboro data trended the same. Unfortunately, harvest was unsuccessful at both locations due to equipment issues. On-farm and small plot research will continue during the 2022 and 2023 seasons.