

Effective Aflatoxin Displacement in Corn

Arizona Cotton Research & Protection Council



AF36 Prevail Value

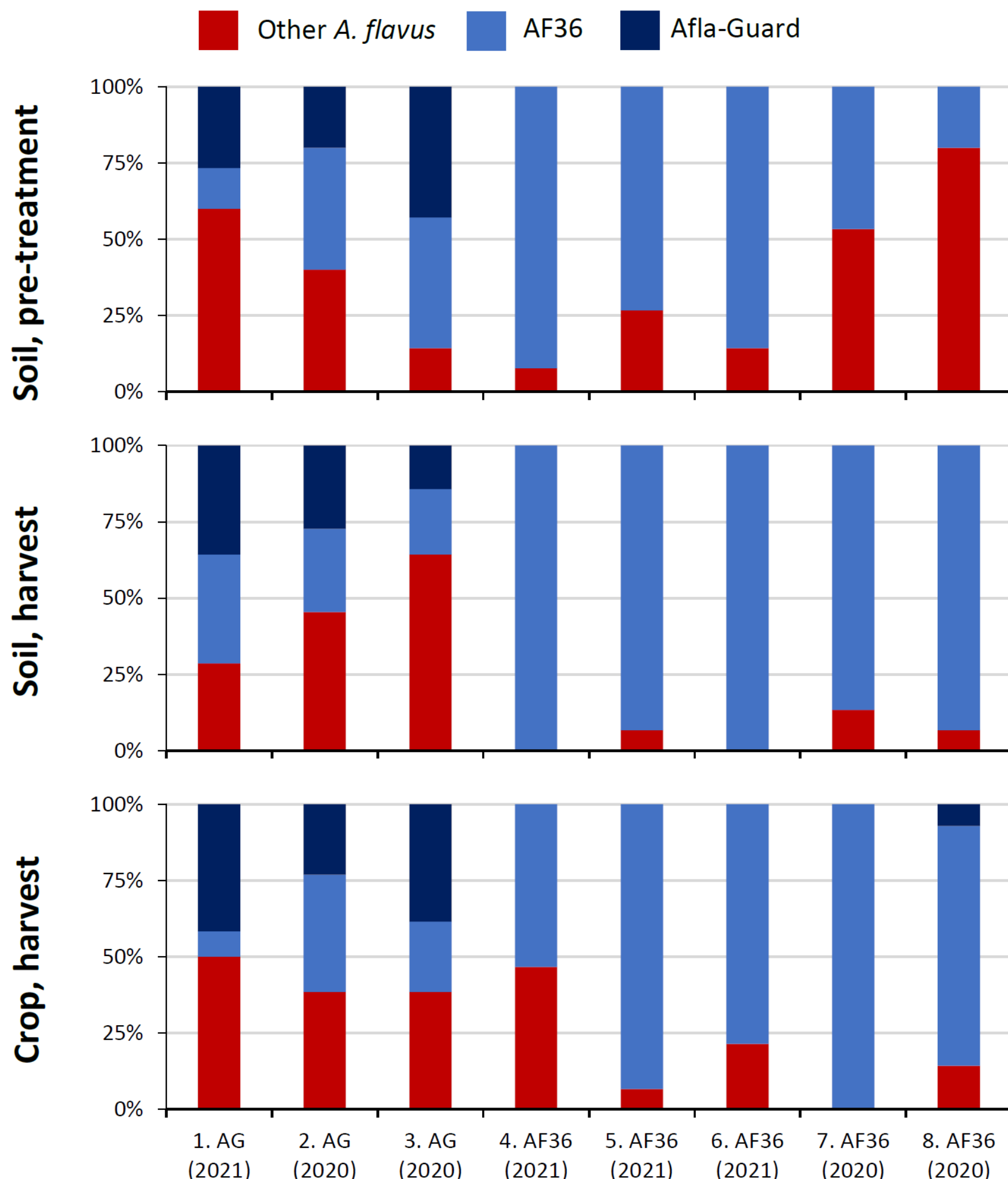
AF36 is a naturally occurring strain of atoxigenic fungus. The annual use of AF36 Prevail provides sustained pressure of non-toxin producing fungi reducing the amount of toxin producers present thereby reducing aflatoxin. AF36 Prevail is proven effective at mitigating aflatoxin.

For Growers, By Growers

ACRPC is proud to serve growers with free delivery in AZ, and complimentary soil testing of fungal community populations.

The Results

Soil and crop samples were taken during 2022 on pre-treatment and harvest (soil & crop). All fields were treated with either Afla-Guard GR (AG) or AF36 Prevail (AF36) in 2020/2021, then another annual treatment of either AG or AF36 in 2022. The below is displacement summary of toxin strains.



AF36 is prominent before any treatment due to natural occurrence and high carryover from previous years' treatment

Drastic reductions of toxic strains in soil on all AF36 treated fields (field 4-8). 90%-100% effective displacement of toxic strains.

AF36 has effective movement from soil to crop, even on those crops where AF36 was not applied.

Source: USDA-ARS, Mehl, 2022 Report