Inpyrfluxam: A New Active Ingredient for Control of Southern Stem Rot of Peanut

K.W. SEEBOLD, F.H. SANDERS, **C. MEADOR*,** M. RIFFLE, B. CORBIN, and J. CRANMER, Valent USA LLC, Walnut Creek CA, 94956.

Inpyrfluxam is a new fungicide under development by Sumitomo Chemical Company, Ltd. and Valent U.S.A. LLC for control of major diseases of apple, corn, peanut, rice, soybean, and sugar beet. The inpyrfluxam active ingredient will be known as INDIFLIN™, and brands based on INDIFLIN™ technology will be marketed. Inpyrfluxam is a succinate-dehydrogenase inhibitor (SDHI) and is in the pyrazole-4-carboxamide group. Seed treatment, soil, and foliar uses will be registered. Inpyrfluxam is highly active against *Rhizoctonia solani* (including the anastomosis groups that cause rice sheath blight, potato black scurf, sugar beet crown rot, and peanut limb rot), *Sclerotium rolfsii* (southern stem rot of peanut) and rusts (including *Phakopsora pachyrhizi* and *Gymnosporangium juniperi-virginianae*) at use rates between 0.044 and 0.089 lb ai/A. In peanut, inpyrfluxam provides excellent control of southern blight when used in 2-, 3-, or 4-spray programs and offers strong protection of yield. Inpyrfluxam also effectively controls *Rhizoctonia* diseases of peanut. INDIFLIN™ is anticipated to be EPA-registered in August, 2020