

Errata

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On page 1447, in the article entitled "Deposition Gradients of Urediniospores of *Puccinia recondita* Near a Source" by Donald E. Aylor, equation A12b should have read:

$$D(x,z) = v_s \frac{Q_0 \exp(-F_1 x_H) \exp[-F_2/(1-n)]}{(x^{(1-n)} - x_H^{(1-n)}) / (u h)}$$

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The following two abstracts should have been included in the "Abstracts of presentations at the 1987 annual meeting of the American Phytopathological Society" (pages 1687-1777) on page 1738:

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VARIABILITY AMONG 4 ISOLATES OF *BIPOLARIS MAYDIS* AFFECTING CORN IN MISSISSIPPI. N. Zummo and G. Scott

Four distinct isolates of *Bipolaris maydis* were obtained from corn at Starkville, Mendenhall, and Poplarville, Mississippi on 2 inbred lines and on commercial hybrids Pioneer 3165 and Pioneer 3369A in 1986. The fungus caused some foliar injury to commercial corn produced in South Mississippi. However, yield losses were not determined because the crop was harvested for silage. Greenhouse inoculations on differential corn lines showed that the 4 isolates were not *B. maydis* Race T. They were similar to, but still somewhat different from, *B. maydis* Race O. In culture 2 of the isolates produced abundant saltations while three isolates produced abundant perithecia on potato dextrose agar. Cultures of *Bipolaris maydis* Race T and Race O under similar laboratory conditions produced only uniform vegetative growth.

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CORN COBS AS AN OVERWINTERING SUBSTRATE FOR *ASPERGILLUS FLAVUS* IN CORN FIELDS IN MISSISSIPPI. N. Zummo.

Aspergillus flavus kernel infection and subsequent aflatoxin production continues to be a problem in commercial corn production in Mississippi and other southern states. Normally, the fungus is carried over as sclerotia formed in corn kernels that survive the winter. However, large quantities of corn cobs left in the field from mechanically harvested corn provide an ideal substrate for *A. flavus*. Corn kernels may be eaten by birds and other wild life, and eliminated as an inoculum source, whereas corn cobs are not. *A. flavus* sporulated abundantly on corn cobs on the soil surface throughout the crop growing season. Periodic collections of corn cobs and corn cob fragments in 1984 and 1985 consistently showed over 70% infestation of the cobs with *A. flavus*. In the laboratory, corn cob grits were superior to all other substrates tested in conidial production of *A. flavus* and *A. parasiticus*.

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