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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

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MEMORANDUM

SUBJECT: New Chemical Screen of Environmental Fate Data for Azoxystrobin (ICIA5504)

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TO: Cynthia Giles-Parker, PM 22
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The environmental fate data package for the fungicide **methy (E)-2{2-[6-(2-cyanophenoxy)pyrimidin-4-yloxy]phenyl}-3-methoxyacrylate** (ICIA5504) has passed the new chemical screen. The studies appear to be reviewable according to Subdivision N guidelines. The registrant (Zeneca Inc.) submitted all environmental fate studies except for the bioaccumulation in fish study to support terrestrial food use patterns of ICIA5504. The registrant is requesting a waiver of the Bioaccumulation in Fish (165-4) data requirement because ICIA5504 should have a low bioaccumulation potential (log K_{ow}=2.5) in fish tissue. EFGWB notes a low octanol-water coefficient (log K_{ow} < 3) would suggest minimal bioaccumulation. Therefore, the Bioaccumulation of Fish (165-4) data requirement is not needed at this time.

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Preliminary review of environmental fate studies indicate that additional information and/or clarification will be needed for a complete review.

- The limit of quantitation (LOQ) and limit of detection (LOD) for all analytical methods should be reported in all studies.

- The registrant conducted field dissipation studies on soils with an Aquic descriptor in their USDA Soil Taxonomic designation. This taxonomic classification indicates the soils have seasonally high water tables. EFGWB requests a clarification of drainage conditions at the field dissipation sites because ICIA5504 and its degradates may exhibit mobility and moderate persistence in soil.

- The registrant did not provide pan evaporation data in the climate description of the field sites. These data are needed to assess water balances.

- The registrant did not submit field dissipation studies on cropped plots (except turf). Because ICIA5504 is intended as a foliar applied fungicide on various crops, EFGWB notes that foliar interception data may be necessary for a complete environmental fate assessment. EFGWB notes that cropped plot field dissipation studies were mentioned in MRID 43678185.