US EPA ARCHIVE DOCUMENT

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File PP9F2203

Potential Leaching of
Metalochlor [2-chloro-N-(2-ethyl-6-methylphenyl)-N-(2-methoxy-1-methylethyl) acetamide

Chief, Review Section #1
Environmental Fate Branch, HED

THRU: Chief, Environmental Fate Branch
Hazard Evaluation Division, OPP

☐ To: A. Gross

☐ To: C. Bushong

☒ To: J. Cummings

It is concluded that this pesticide is mobile and has the potential to reach underground water.

Facts

1. Hydrolysis: T 1/2 at [5] pH is >200d, [7] pH is >200d [9] pH is > 200days.

   [+] Stable ☐ Unknown

2. Photodegradation in H_2O: ☐ Yes ☐ No Slow photodegradation under natural sunlight

   Stable: [X] Yes ☐ No

3. Aerobic Soil: ☐ T 1/2 > 60days, ☐ Unknown No degradation occurs within 60 days

4. Anaerobic Soil: ☐ T 1/2 > 60days, ☐ Unknown

5. Field Dissipation: ☐ T 1/2 , ☐ Unknown no dissipation of residues occur within a year and possibly longer.

6. Field Leaching: [X] Yes , ☐ No , ☐ Unknown

7. Lab Leaching: [X] Yes , ☐ No , ☐ Unknown

8. Aged Leaching: [X] Yes , ☐ No , ☐ Unknown

9. Octanol/Water: ☐ P value , [X] Unknown

10. Accumulation in Fish:

    Bluegill: ☐ Wholefish , [X] Non edible , [X] Edible, , ☐ Unknown

    Catfish: ☐ Wholefish , ☐ Non edible , ☐ Edible, , [X] Unknown

11. Rotational Crop Uptake: [X] Yes , ☐ No , ☐ Unknown

Attached is our review of the data submitted. Is there any further action that you wish to be taken by EFB?