

Pesticide Information Request Response

Arid Southwest IPM Network

August 22, 2007

Active Ingredients:

Avitrol (4-aminopyridine)

Crops/Target sites:

For use on crows, pigeons, grackles, starlings, cowbirds, gulls, and house sparrows, and certain blackbird species in and around structures, feed lots, airports, land fill sites, and in California for protecting vineyards and sprouting agricultural seeds.

Contacts / Extent of Response:

This information request was forwarded from the Arizona Pest Management Center to key contacts in Arizona, New Mexico, Nevada, and the low desert regions of Southeastern California. Contacts included urban pest control specialists and rangeland specialists in Extension, county agents, and urban pest control professionals throughout the region. However, responses represented and are *limited to Arizona*, as we received no specific feedback from the other states.

Data Sources:

Dawn Gouge, Urban Entomologist, University of Arizona; Larry Sullivan, Extension Specialist Emeritus, Wildlife Damage Management, School of Natural Resources, University of Arizona; Plant Pathologist, University of Arizona, Paul Cardosi, Assistant Vice President of Government Sales, Western US, Ecolab, Scottsdale, Arizona.

Questions:

1. Are there additional data to further refine the risk assessments, such as non-target incident information or use rate information, or could address the Agency's risk assessment methodologies and assumptions as applied to this specific pesticide?

Dawn Gouge, University of Arizona: "No data but several incidents where avitrol treated bait has been translocated onto school grounds. Most recently in the case of avitrol applied on church grounds, which was then found in the associated school playground."

2. Do you have any risk management proposals or otherwise comment on risk management for 4-aminopyridine? Risks of concern associated with the use of 4-aminopyridine are: acute risk to birds, and potential risk to secondary predators feeding on affected species. In targeting these risks of concern, the Agency solicits information on effective and practical risk reduction measures.

Dawn Gouge, University of Arizona: "I do not think it should be used at all."

3. Is Avitrol used in your state?

Yes, it is used in Arizona. No data received for Nevada, New Mexico or southern California.

4. If yes, for each crop/target site:

- What percent of crop is treated?None. Used for structures only.

- For which pests is Avitrol is critical for control?

Paul Cardosi, Ecolab: “Pigeons and sparrows.”

Dawn Gouge, University of Arizona: “None, there are effective alternatives.”

- Typical usage patterns (e.g., number of applications per season, use rate per application, acres treated, and time of application in the season)

Paul Cardosi, Ecolab: “We normally only do a one time application on structures for Pigeon and Sparrow removal. Only one to two applications made each year maximum in my district, and application rate depends on target species and feeding habits. No bait is ever left unattended and all bait is removed along with any casualties at the end of each placement.”

Response Summary:

Based on available responses to this inquiry, avitrol is used in Arizona around structures to control sparrows and pigeons. One respondent described it as critical for these uses and another indicated that there are viable alternatives. No information was obtained on agricultural uses of this avicide nor was any information on the use of avitrol for other network states provided. Additional contact information from respondents. is provided below.

Contact Information:

Paul Cardosi – Government Sales, Western US, Ecolab Pest Elimination,
Ecolab Pest Elimination Pest Elimination
7272 E. Indian School Rd
Suite 220
Scottsdale AZ, 85251
Ph: (480) 945-4195
paul.cardosi@ecolab.com

Dawn H. Gouge
University of Arizona - MAC
37860 West Smith-Enke Road,
Maricopa, AZ 85239
Ph: (520) 381-2223
Fax: (520) 568-2556
dhgouge@ag.arizona.edu