

US EPA ARCHIVE DOCUMENT



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

OFFICE OF  
PESTICIDES AND TOXIC SUBSTANCES

MEMORANDUM

**SUBJECT:** Expedited Comparative Review of Ecological Effects of Azodrin/Supracide/Capture and of Diazinon/Metasystox R/Cygon

**From:** Edwin F. Tinsworth, Director  
Registration Division

**TO:** John W. Melone, Director  
Hazard Evaluation Division

Michael W. Slimak, Chief  
Ecological Effects Branch, HED

I am requesting an expedited review of available data in order to establish the comparative risks from the use of monocrotophos (Azodrin)/methidathion (Supracide)/bifenthrin (Capture) on corn from an ecological effects standpoint. This information is needed no later than July 20, so that a decision can be made concerning section 18 use of Azodrin on corn in Texas, New Mexico and Oklahoma.

I would like information on the comparative risk of these three pesticides based on acute mortality (lab data) and field mortality to birds, fish, aquatic invertebrates, etc. Assume 1 application of Azodrin, two applications of Supracide and 5 applications of Capture. Further, I need similar comparative information on the three most effective registered pesticides against Banks grass mites on corn: Diazinon, oxydemeton-methyl (Metasystox R) and dimethoate (Cygon). Use application rates designated for control of Banks grass mites by the registered product labels.

If you have any additional questions concerning the status of this action, please contact Don Stubbs, RSERB (557-3199).

Capture	2.4 oz/acre
Supracide	2.0 pt
MR	1.5 - 2 pts/acre
Diaz.	1 pt./acre
Azodrin	
Cygon	2/3 - 1 pt./acre