United States Environmental Protection Agency

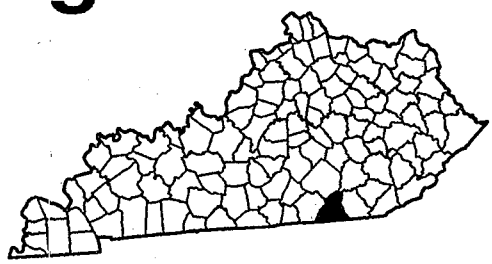
Pesticides and Toxic Substances (7506C)

EPA-735-K-94-021
August 1994

Protecting Endangered Species

Interim Measures

McCreary County, Kentucky



The information in this pamphlet is similar to what the U.S. Environmental Protection Agency (EPA) expects to distribute once our Endangered Species Protection Program is in effect. The limitations on pesticide use are not law at this time, but are being provided now for your use in voluntarily protecting endangered and threatened species from harm due to pesticide use. We encourage you to use this information. We also welcome your comments.

The Endangered Species Act is intended to protect and promote recovery of animals and plants that are in danger of becoming extinct due to the activities of people. Under the Act, EPA must ensure that use of pesticides it registers will not result in harm to the species listed as endangered or threatened by the U.S. fish and Wildlife Service, or to habitat critical to those species' survival. To accomplish this, the EPA expects to implement program requirements beginning in 1994. This program will protect endangered and threatened species from harm due to pesticide use.

EPA requests your comments regarding the information presented in this publication. Please let us know whether the information is clear and correct. Also tell us to what extent following the recommended measures would affect you typical pesticide use or productivity. This information will be considered by EPA during the final stages of program development.

Please submit comments to:

Interim Endangered Species Protection Program (7506C)
U.S. EPA
401 M Street, SW
Washington, DC 20460

About This Publication

This publication contains a County Map showing the Area within the county where pesticide use should be limited to protect listed species. These areas are identified on the map by a shaded pattern. Each shaded pattern corresponds to a species in need of protection.

The Shading Key shows the name of the species that each shaded pattern represents and often describes the shaded area. The area may be described in terms of Township, Range, and Section or by giving details about the habitat of the species.

The first column of the "Table of Pesticide Active Ingredients" lists the active ingredients for which there should be limitations on use to protect certain species. The next columns are headed by the shaded pattern of the species with Codes listed underneath them.

The Code indicates the specific limitation that is necessary to protect the species. The section titled Limitations on Pesticide Use explains the code.

Does This Information Apply to You?

To determine whether this information applies to your use of a pesticide, review the questions below. The information applies only if you answer "yes" to both questions:

- Do you intend to use pesticides within or near the shaded area on the county map?
- Are any of the ingredients listed on the front panel of your pesticide product label named in the "Table of Pesticide Active Ingredients"?

If you answer "yes" to both questions, you should follow the instructions on "How to Use This Information" to determine if you should limit use of the pesticide to help protect listed species.

If you answer "no" to either question, you should follow the usage directions on the pesticide product label.

SHADING KEY

Blackside dace (fish), *Phoxinus cumberlandensis*. Within the shaded areas shown on the map, pesticide use limitations apply on and along the streams. The upstream protection zone is ½ mile up from the shaded areas on Kilburn Fork, Indian Creek and Barren Creek, as well as ½ mile up all tributaries that join the shaded areas.

Freshwater mollusks [One or more of the following: **Cracking pearly mussel**, *Hemistena (=Lastena) lata*. **Cumberland bean pearly mussel**, *Villosa (=Micromya) trabalis*. **Dromedary pearly mussel**, *Dromus dromas*. **Little-wing pearly mussel**, *Pegias fabula]*. Within the shaded areas shown on the map, pesticide use limitations apply on and along the streams. The upstream protection zone is ½ mile up all tributaries that join the shaded areas.

Table of Pesticide Active Ingredients

Active Ingredient	Shading Pattern		
	Code	TAR*	Code
ALDICARB	3	--	--
ATRAZINE (granular)	3	--	--
ATRAZINE (non-granular)	399	1.5	--
AZINPHOS-METHYL	2c	--	2c
BENOMYL	3	--	1c
BENSULIDE (granular)	3	--	--
BENSULIDE (non-granular)	399	4	--
CAPTAN	3	--	1c
CARBARYL	2c	--	2c
CARBOFURAN	3	--	1c
CHLOROTHALONIL (granular)	3	--	--
CHLOROTHALONIL (non-granular)	399	2.8	--
CHLORPYRIFOS			
Alfalfa, Peanuts	43	--	43
Apples	41	--	41
Mosquito Larvicide Use	61	--	61
All Other Uses Except as a Termiticide	3	--	2c
COPPER SULFATE, BASIC	3	--	--
CYPERMETHRIN			
Cabbage and Lettuce	2	--	--
DEF	2c	--	--
DIAZINON	2c,10	--	2c
DICOFOL	399	1	2c
DICROTOPHOS	2c	--	--
DIFLUBENZURON	3	--	--
DIMETHOATE	3	--	2c
DISULFOTON	3	--	--
DIURON	3	--	--
ENDOSULFAN	3	--	2c
ESFENVALERATE	3	--	1c
ETHION	2c	--	2c
ETHOPROP	3	--	1c
FENAMIPHOS	2c	--	2c
FLURIDONE	20	--	20
FONOFOS	3	--	2c
ISOFENPHOS (granular)	3	--	--
ISOFENPHOS (non-granular)	399	0.5	--

Active Ingredient	Shading Pattern		
	Code	TAR*	Code
MALATHION	2c,10	--	2c
MANCOZEB	399	1.25	--
METHIDATHION	2c	--	2c
METHOMYL (granular)	399	0.6	1c
METHOMYL (non-granular)	3	--	1c
METHYL PARATHION			
Mosquito Larvicide Use	61	--	1c
All Other Uses	3	--	1c
MEVINPHOS	2c	--	2c
NALED			
Mosquito Larvicide Use	61	--	1c
All Other Uses	3	--	1c
NITRAPYRIN	3	--	1c
OXAMYL (granular)	3	--	--
OXAMYL (non-granular)	399	1.25	--
OXYDEMETON-METHYL	3	--	--
OXYFLUORFEN	3	--	--
PARATHION (ethyl)	2c	--	2c
PENDIMETHALIN	3	--	2c
PERMETHRIN	297	0.04	1c
PHORATE	2c	--	1c
PHOSMET	2c	--	1c
PHOSPHAMIDON	399	4	1c
PROFENOFOS	2c	--	--
PROPACHLOR (granular)	3	--	--
PROPACHLOR (non-granular)	399	0.4	--
PROPARGITE	399	1.5	--
PROPICONAZOLE	--	--	1
PYRETHRINS	2c,10	--	2c
SULPROFOS	3	--	--
TERBUFOS	3	--	2c
THIODICARB	399	7	--
THIOPHANATE-METHYL	3	--	--
TRICHLORFON	2c	--	2c
TRIFLURALIN (granular)	3	--	--
TRIFLURALIN (non-granular)	399	0.5	--

* TAR = Threshold Application Rate (Pounds of active ingredient per acre per application)