

STATE OF IOWA
DEPARTMENT OF NATURAL RESOURCES

September 2, 1986

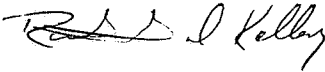
Carlyn Offutt
Office of Pesticide Programs
Hazard Evaluation Division (TS-769)
U.S. Environmental Protection Agency
Washington, DC 20460

Dear Carlyn:

Recently your office asked for any data Iowa may have of alachlor in surface water. I am enclosing copies of the data that I have at this time. Additional data is being sent to you by our Geological Survey Bureau.

I hope this information is useful to you. If you have any questions concerning this information please do not hesitate to call me at 515/281-3783.

Sincerely,



RICHARD KELLEY
ENVIRONMENTAL SPECIALIST

RK:rls/ASM245K02.01

Enclosures

cc: Julie Elfuring, U.S. EPA, Region VII, Kansas City

(1)

Summary of DNR 1986 Surface Water Supply Survey*

<u>City</u>	<u>Source</u>	<u>Population Served</u>	<u>Type of Sample</u>	<u>Alachlor Concentration (ug/l)</u>
Burlington	Mississippi R.	31,451	Finished	.34
Bloomfield	Lake Fisher	2,849	Raw	.27
Panora	Middle Raccoon R.	1,211	Raw	.43
			Finished	.46
Lake Park	Silver Lake	1,123	Finished	.23
Afton	Afton Lake	985	Finished	.44
Winterset	Cedar Lake	4,021	Raw	1.0
Keokuk	Mississippi R.	13,536	Finished	.76
Humeston	Humeston Res.	671	Raw	10.1
			Finished	8.3
Des Moines	Raccoon R.	234,027	Raw	.98
			Finished	.59
Mt. Pleasant	Skunk R.	7,372	Finished	2.4
Corydon	Corydon Lake	1,818	Finished	.25
Montezuma	Diamond Lake	1,683	Finished	.67
Davenport	Mississippi R.	134,200	Raw	.23
Iowa City (U of I)	Iowa R.	51,577	Raw	9.3
			Finished	8.8
			Finished	7.8
Rathbun RWA	Lake Rathbun	15,390	Raw	.14
Osceola	West Lake	4,000	Raw	.19
Fairfield	Fairfield Imp.	9,428	Finished	.63
Albia	Reservoir	4,184	Raw	.21
			Finished	.24
Ft. Madison	Mississippi R.	13,520	Raw	5.5
			Finished	1.7

Total # of supplies sampled = 30
 Total # of samples collected
 (All samples collected) Raw = 17
 in May and June of 1986) Finished = 23

* This survey has not been completed. Addition data in expected.

Summary Data From UHL Monitoring

	<u>City</u>	<u>River</u>
Sites Monitoring:	Cedar Rapids	Cedar
	Iowa City	Iowa
	Little Sioux	Cherokee
	Dubuque	Mississippi
	Keokuk	Mississippi
	Council Bluffs	Missouri
	Hamburg	Nishnabotna
	Des Moines	Raccoon
	Oskaloosa	Skunk
	Decorah	Upper Iowa
	Ottumwa	Des Moines

Year	1975	1976	1977	1979	1980	1981	1982
# of samples collected	111	105	120	112	110	72	65
# of positive samples	16	21	19	31	36	26	31
% of positives	14	20	16	28	33	36	48
May value observed ug/l	1.0	3.5	9.5	1.2	8.1	18.0	9.0

Total # of samples for the 7 year period - 695
 Total # of positives for the 7 years - 180
 Percent of samples with alachlor - 26

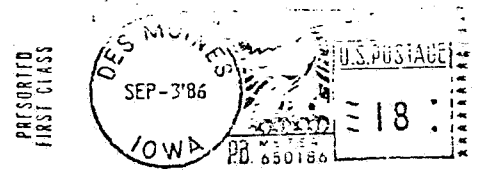
Summary of Iowa Surface Water
Quality Data In STORET *

Between 1977 and 1985 there are 380 observations under alachlor in water (46317). Three hundred and two of these observations are for measurable concentrations. The maximum value observed was 101 ug/l.

* Data collected as part of special stream studies. This data is in addition to UHL and DNR data.

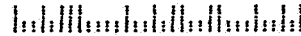


IOWA CONSERVATION COMMISSION
Wallace State Office Building
Des Moines, Iowa 50319-0034



Conservation is our business . . . and yours.

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