

APPENDIX 1

**SUMMARY TABLES OF
GENETIC AND RELATED EFFECTS**

Summary table of genetic and related effects of heptachlor

| Nonmammalian systems | | | | | | | | | | | | | | Mammalian systems | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|------------------|---|----|---|--------|---|----|----|---------|---|---|---|-------------------|---|---|---|---|---|---|-------------|---|---|---|---|---|---|---|---|---|---|---|---|---|----|---|---|---|---|---|---|--|--|--|--|
| Proka-ryotes | | Lower eukaryotes | | | | Plants | | | | Insects | | | | In vitro | | | | | | | In vivo | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | Animal cells | | | | | | | Human cells | | | | | | | | | | | | | | | | | | | | | | | | |
| D | G | D | R | G | A | D | G | M | C | R | G | C | A | D | G | S | M | C | A | T | I | D | G | S | M | C | A | T | I | D | G | S | M | C | DL | A | D | S | M | C | A | | | | |
| - | - | | | -1 | | | | | | | | | | - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | +1 | +1 | + | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

A, aneuploidy; C, chromosomal aberrations; D, DNA damage; DL, dominant lethal mutation; G, gene mutation; I, inhibition of intercellular communication; M, micronuclei; R, mitotic recombination and gene conversion; S, sister chromatid exchange; T, cell transformation

In completing the tables, the following symbols indicate the consensus of the Working Group with regard to the results for each endpoint:

- + considered to be positive for the specific endpoint and level of biological complexity
- +¹ considered to be positive, but only one valid study was available to the Working Group
- considered to be negative
- ¹ considered to be negative, but only one valid study was available to the Working Group
- ? considered to be equivocal or inconclusive (e.g., there were contradictory results from different laboratories; there were confounding exposures; the results were equivocal)

Summary table of genetic and related effects of permethrin

| Nonmammalian systems | | | | | | | | | | | | | | Mammalian systems | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|----------------------|---|------------------|---|---|---|--------|---|---|---|---------|---|---|----|-------------------|---|---|---|---|---|---|-------------|---|---|---|---|---|---|---|----|---|---|---|---|----|---|---|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| Prokaryotes | | Lower eukaryotes | | | | Plants | | | | Insects | | | | In vitro | | | | | | | In vivo | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | Animal cells | | | | | | | Human cells | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| D | G | D | R | G | A | D | G | C | R | G | C | A | D | G | S | M | C | A | T | I | D | G | S | M | C | A | T | I | D | G | S | M | C | DL | A | D | S | M | C | A | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| - | | | | | | | | | | | | | -1 | | | | | | | | -1 | | | | | | | | -1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

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