

Database of Pesticide Resistance in India

Cases of Resistance	Common Name
Urban Pest	
<i>Aedes aegypti</i> (Linnaeus) to DDT (1971)	Yellow Fever Mosquito
<i>A. aegypti</i> (Linnaeus) to malathion (1980)	-do-
<i>A. albopictus</i> (Skuse) to BHC/cyclodienes (1976)	Asian tiger mosquito, Forest day mosquito
<i>A. albopictus</i> (Skuse) to DDT (1966)	-do-
<i>A. vittatus</i> (Bigot) to DDT (1964)	N.A.
<i>A. aconitus</i> Donitz to BHC/cyclodienes (1965)	Ricefield breeding mosquito
<i>Anopheles aconitus</i> Donitz to DDT (1986)	-do-
<i>A. annularis</i> van der Wulp to BHC/cyclodienes (1980)	Anopheles mosquito
<i>A. annularis</i> van der Wulp to DDT (1962)	-do-
<i>A. barbirostris</i> van der Wulp to DDT (1986)	-do-
<i>A. culicifacies</i> Giles to BHC/cyclodienes (1962)	-do-
<i>A. culicifacies</i> Giles to DDT (1959)	-do-
<i>A. culicifacies</i> Giles to fenitrothion (1981)	-do-
<i>A. culicifacies</i> Giles to fenthion (1986)	-do-
<i>A. culicifacies</i> Giles to malathion (1977)	-do-
<i>A. fluviatillis</i> James to DDT (1965)	-do-
<i>A. kochi</i> Donitz to DDT (1986)	-do-
<i>A. maculatus</i> Theobald to DDT (1986)	-do-
<i>A. nigerrimus</i> Giles to DDT (1980)	-do-
<i>A. nigerrimus</i> Giles to malathion (1986)	-do-
<i>A. philippinensis</i> Ludlow to DDT (1976)	-do-
<i>A. splendidus</i> Koizumi to BHC/cyclodienes (1958)	-do-
<i>A. splendidus</i> Koizumi to DDT (1986)	-do-
<i>A. stephensi</i> Liston to BHC/cyclodienes (1963)	-do-
<i>A. stephensi</i> Liston to carbamates (1986)	-do-
<i>A. stephensi</i> Liston to DDT (1963)	-do-
<i>A. stephensi</i> Liston to fenitrothion (1980)	-do-
<i>A. stephensi</i> Liston to fenthion (1986)	-do-
<i>A. stephensi</i> Liston to iodofenphos (1980)	-do-
<i>A. stephensi</i> Liston to malathion (1980)	-do-
<i>A. stephensi</i> Liston to pyrethroids (1986)	-do-

<i>A. stephensi</i> Liston to temephos (1986)	-do-
<i>A. subpictus</i> Grassi to BHC/cyclodienes (1976)	-do-
<i>A. subpictus</i> Grassi to DDT (1976)	-do-
<i>A. subpictus</i> Grassi to dieldrin (1980)	-do-
<i>A. subpictus</i> Grassi to malathion (1986)	-do-
<i>A. tessellatus</i> Theobald to BHC/cyclodienes (1980)	-do-
<i>A. tessellatus</i> Theobald to DDT (1986)	-do-
<i>A. vagus</i> Donitz to DDT (1986)	-do-
<i>A. varuna</i> Iyengar to DDT (1986)	-do-
<i>Boophilus microplus</i> to BHC/cyclodienes (1964)	Southern/tropical cattle tick
<i>B. microplus</i> to lindane/BHC (1965)	-do-
<i>Cimex lectularius</i> Linnaeus to BHC/cyclodienes (1962)	Bed bug
<i>C. lectularius</i> Linnaeus to DDT (1965)	-do-
<i>Culex gelidus</i> Theobald to BHC/cyclodienes (1979)	Frosty mosquito
<i>C. gelidus</i> Theobald to DDT (1979)	-do-
<i>C. quinquefasciatus</i> Say to <i>Bacillus sphaericus</i> strain 2362 (1995)	Southern house mosquito
<i>C. quinquefasciatus</i> Say to BHC/cyclodienes (1971)	-do-
<i>C. quinquefasciatus</i> Say to DDT (1971)	-do-
<i>C. quinquefasciatus</i> Say to fenthion (1986)	-do-
<i>C. quinquefasciatus</i> Say to organophosphates (1980)	-do-
<i>C. quinquefasciatus</i> Say to pyrethroids (1986)	-do-
<i>C. quinquefasciatus</i> Say to temephos (1986)	-do-
<i>C. tritaeniorhynchus</i> Giles to DDT (1986)	Mosquito
<i>C. tritaeniorhynchus</i> Giles to dieldrin (1980)	-do-
<i>C. vishnui</i> Theobald to DDT (1986)	-do-
<i>C. whitmorei</i> Giles to DDT (1980)	-do-
<i>C. whitmorei</i> Giles to dieldrin (1980)	-do-
<i>Pediculus humanus humanus</i> Linnaeus to BHC/cyclodienes (1976)	Human body louse
<i>P. humanus humanus</i> Linnaeus to DDT (1971)	-do-
<i>Phlebotomus papatasi</i> (Scopoli) to DDT (1980)	Sand fly
<i>P. papatasi</i> (Scopoli) to dieldrin (1984)	-do-
<i>Xenopsylla astia</i> to BHC/cyclodienes (1961)	Indian rat flea
<i>X. astia</i> to DDT (1961)	-do-
<i>X. cheopis</i> (Rothschild) to BHC/cyclodienes (1976)	Oriental rat flea. Tropical rat flea

<i>X. cheopis</i> (Rothschild) to DDT (1960)	-do-
<i>X. cheopis</i> (Rothschild) to fenthion (1986)	-do-
<i>X. cheopis</i> (Rothschild) to malathion (1986)	-do-
<i>X. cheopis</i> (Rothschild) to organophosphates (1976)	-do-
Pests of Agricultural Importance	
<i>Bemisia tabaci</i> (Gennadius) to cypermethrin (1997)	Sweetpotato Whitefly
<i>Callosobruchus chinensis</i> (Linn) to lindane/BHC (1981)	Lesser cowpea weevil
<i>Cimex hemipterus</i> (Fab) to BHC/cyclodienes (1976)	Tropical bedbug
<i>C. hemipterus</i> (Fabricius) to DDT (1976)	-do-
<i>Ephestia cautella</i> (Walker) to malathion (1984)	Tropical warehouse moth
<i>E. cautella</i> (Walker) to organophosphates (1984)	-do-
<i>Galerucella birmanica</i> Jacob to BHC/cyclodienes (1963)	Singhara beetle
<i>G. birmanica</i> Jacoby to chlorobenzilate (1963)	-do-
<i>G. birmanica</i> Jacoby to DDT (1963)	-do-
<i>G. birmanica</i> Jacoby to Thanite (1965)	-do-
<i>Helicoverpa armigera</i> (Hubner) to chlorpyrifos (1998)	Cotton bollworm
<i>H. armigera</i> (Hubner) to cypermethrin (1992)	-do-
<i>H. armigera</i> (Hubner) to DDT (1995)	-do-
<i>H. armigera</i> (Hubner) to endosulfan (1992)	-do-
<i>H. armigera</i> (Hubner) to fenvalerate (1995)	-do-
<i>H. armigera</i> (Hubner) to methomyl (1992)	-do-
<i>H. armigera</i> (Hubner) to quinalphos (1992)	-do-
<i>Oryzaephilus surinamensis</i> (Linn) to lindane/BHC (1976)	Saw-toothed grain beetle
<i>O. surinamensis</i> (Linnaeus) to malathion (1976)	-do-
<i>Pectinophora gossypiella</i> (Saunders) to chlorfenvinphos (1998)	Pink bollworm
<i>P. gossypiella</i> (Saunders) to chlorpyrifos (1998)	-do-
<i>P. gossypiella</i> (Saunders) to cypermethrin (1998)	-do-
<i>P. gossypiella</i> (Saun) to endosulfan (1995)	-do-
<i>Plutella xylostella</i> (Linnaeus) to cartap (2000)	Diamond-back moth
<i>P. xylostella</i> (Linnaeus) to DDT (1968)	-do-
<i>P. xylostella</i> (Linnaeus) to endosulfan (1972)	-do-
<i>P. xylostella</i> (Linnaeus) to fenitrothion (1976)	-do-
<i>P. xylostella</i> (Linnaeus) to fipronil (2000)	-do-

<i>P. xylostella</i> (Linnaeus) to malathion (1976)	-do-
<i>P. xylostella</i> (Linnaeus) to parathion (1968)	-do-
<i>Rhizopertha dominica</i> (Fabricius) to lindane/BHC (1976)	Lesser grain borer
<i>R. dominica</i> (Fabricius) to malathion (1976)	-do-
<i>R. dominica</i> (Fabricius) to phosphine (1976)	-do-
<i>Sitophilus oryzae</i> (Linnaeus) to lindane/BHC (1976)	Lesser rice weevil
<i>S. oryzae</i> (Linnaeus) to malathion (1973)	-do-
<i>S. oryzae</i> (Linnaeus) to phosphine (1976)	-do-
<i>Spodoptera litura</i> Fabricius to carbaryl (1984)	Mediterranean climbing cutworm
<i>S. litura</i> Fabricius to chlorpyrifos (1998)	-do-
<i>S. litura</i> Fabricius to cypermethrin (1997)	-do-
<i>S. litura</i> Fabricius to endosulfan (1997)	-do-
<i>S. litura</i> Fabricius to fenvalerate (1997)	-do-
<i>S. litura</i> Fabricius to lindane/BHC (1965)	-do-
<i>S. litura</i> Fabricius to malathion (1984)	-do-
<i>S. litura</i> Fabricius to methomyl (1997)	-do-
<i>S. litura</i> Fabricius to monocrotophos (1997)	-do-
<i>S. litura</i> Fabricius to pyrethrins (1984)	-do-
<i>S. litura</i> Fabricius to quinalphos (1997)	-do-
<i>Tribolium castaneum</i> (Herbst) to lindane/BHC (1968)	Red flour beetle
<i>T. castaneum</i> (Herbst) to malathion (1971)	-do-
<i>T. castaneum</i> (Herbst) to phosphine (1976)	-do-
<i>Trogoderma granarium</i> Everts to phosphine (1979)	Khapra beetle

(Last updated: December, 2004)

Source: www.pesticideresistance.org