

SUSCEPTIBILITY STATUS OF VECTOR MOSQUITOES IN VARIOUS STATES

WHO criteria for determining Resistance

1. Susceptible -Mortality between 98-100%
2. Tolerant -Mortality between 80-98%-
3. Resistant- Mortality less than 80%

1. State: ANDHRA PRADESH

S. No.	District	Zone	PHC/CHC	Locality/ Village	Mosquito species	Percentage Mortality							
						DDT	Mal	Delta	Cyfl.	Per.	Lam.	Alpha	Year
1.	Vishakapatnam (530)			A.A.Giri Kasipatnam	<i>A.culicifacies</i>		70						2007
2	Vishakapatnam (530)			Aunigpal Corp.	<i>A.culicifacies</i>				80				2007
3	Nalgonda	Hyderabad	Nidamanoor	Nidamanoor	<i>C.vishnui</i>		79						2007
4	Mahabubnagar	Hyderabad	Kothakota	Kothakota	<i>C.vishnui</i>		75						2007
5	Vishakapatnam (530)		A.A.Giri	Kosipatnam	<i>A.culicifacies</i>		90						2007
6	530		Kasipatnam	Ananthgiri	<i>A.culicifacies</i>		80						2007
7	Vishakapatnam (530)			P.eaitu	<i>A.culicifacies</i>		90						2006
8	Vishakapatnam (530)			Kasipatnam	<i>A.culicifacies</i>		95						2006
9	530		Kottam	Punyagiri colony	<i>A.culicifacies</i>		95						2005
10	530		Punyagiricolony	Kottam	<i>A.culicifacies</i>		90						2005
11	Vishakapatnam (530)		Pedabailu	Gamparu	<i>A.culicifacies</i>		90						2005
12	504001		Jainoor	Gouri	<i>A.culicifacies</i>		40					100	
13	Khammam		Tulasipaka	Tulasipika	<i>Cx.vishnui</i>		45						2005
14													2005
15	Karimnagar	-	-	-	<i>A.culicifacies</i>	40	100						2004
16	Adilabad	-	-	-	<i>A.culicifacies</i>	93	94						2004
17	Warrangal	-	-	-	<i>A.culicifacies</i>	29	32	33					2004
18	Khammam	-	-	-	<i>A.culicifacies</i>	40	39	100					2004
19	Hyderabad	-	-	-	<i>A.culicifacies</i>	90	55						2004
20	Medak	-	-	-	<i>A.culicifacies</i>	95							2004
21	Guntur	-	-	-	<i>A.culicifacies</i>	94	92						2004
22	Prakasham	-	-	-	<i>A.culicifacies</i>	92	73						2004
23	Nellore	-	-	-	<i>A.culicifacies</i>	90	100						2004
24	Cuddapah	-	-	-	<i>A.culicifacies</i>	93	60						2004
25	Chittoor	-	-	-	<i>A.culicifacies</i>	87	73						2004
26	Ananthpur	-	-	-	<i>A.culicifacies</i>	85	81						2004
27	Kurnoor	-	-	-	<i>A.culicifacies</i>	73	60						2004
28	Srikakulam	-	Donubai	-	<i>A.culicifacies</i>		95						2003
29	Vijaywada	-	Vijay local	-	<i>A.culicifacies</i>		90						2003

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3. State: MADHYA PRADESH

S. No.	District	Zone	PHC/CHC	Locality/Village	Mosquito species	Percentage Mortality							
						DDT	Mal	Delta	Cyfl.	Per.	Lam.	Alp ha	Year
1.	Harda	Bhopal	Tiowasni	Pokharni	<i>A.culicifacis</i>	46.4	86.6						2007
2.	Hoshayabad	Indore	Babai	Jawli	<i>A.culicifacies</i>	33.3	66.6				93.3		2007
3.	Khandwa	Indore	Jawar	Jaswadi	<i>A.culicifaices</i>					100			2007
4.	Ratlam	Indore	Bilpank	Kuajhagar	<i>A.culicifacies</i>					100			2007
5.	Gwalior	Bhopal	Thatipur	Maharajpura	<i>A.culicifacies</i>	46.6		100					2007
6.	Gwalior	Bhopal	Hastinapur	Khureri	<i>A.culicifacies</i>	60	85	95					2007
7.	Ashok Nagar	Bhopal	Shadhora	Bhadaura	<i>A.culicifacies</i>	65	-	100					2006
8.	Raisen	Bhopal	Gairat Ganj	Binapur	<i>A.culicifacies</i>	75	-	100					2006
9.	Jhabua	Indore	Kalyanpura	Rangpura	<i>A.culicifacies</i>			80					2006
10.	Sidhi	Bhopal	Kusmi	Dewarthno	<i>A.culicifacies</i>	45	85				100		2006
11.	Vidisha		Peepalkheda	Rangai	<i>A.culicifacies</i>	55		100					2006
12.	Satna	Bhopal	Amdara	Jhukelu	<i>A.culicifacies</i>	40	80						2006
13.	Rajgarh	Bhopal	Khujues	Katikheda	<i>A.culicifacies</i>	60							2006
14.	Umaua		Chandia	Chandia/Ba ka	<i>A.culicifacies</i>	80	100		100		100		2006
15.	Shahdol		Singhpoor	Koni	<i>A.culicifacies</i>	62.5	100		100		100		2006
16.	Harda	Bhopal	Handia	Kamtara	<i>A.culicifacies</i>	46.66				100			2006
17.	Jhabua		Kalyanpura	Rangpura	<i>A.culicifacies</i>	32.80							2005
18.	Shivpuri		Pichhore	Nayakheda	<i>A.culicifacies</i>	67	96						2005
19.	Jhabua				<i>A.culicifacies</i>	27	68						2004
20.	Ratlam				<i>A.culicifacies</i>	54	90						2004
21.	Dhar				<i>A.culicifacies</i>	73	95						2004
22.	Indore				<i>A.culicifacies</i>	12	70						2004
23.	Mandsour				<i>A.culicifacies</i>	10	45						2004
24.	Ujjain				<i>A.culicifacies</i>	45	100						2004
25.	Harda				<i>A.culicifacies</i>	11	60	100	100				2004
26.	Sehore				<i>A.culicifacies</i>	15	65						2004
27.	Betul				<i>A.culicifacies</i>	25	80	80					2004
28.	Shajapur				<i>A.culicifacies</i>	12	100						2004
29.	Hoshangabad				<i>A.culicifacies</i>	29	80						2004
30.	Guna				<i>A.culicifacies</i>	12	100						2004
31.	Sheopur				<i>A.culicifacies</i>	30	96	100	100				2004
32.	Morena				<i>A.culicifacies</i>	14	75						2004
33.	Bhind				<i>A.culicifacies</i>	13	52						2004
34.	Gwalior				<i>A.culicifacies</i>	35	50						2004
35.	Jabalpur				<i>A.culicifacies</i>	18	76						2004

36	Mandala				<i>A.culicifacies</i>	6	55					2004
37	Chhindwara				<i>A.culicifacies</i>	30	41					2004
38	Seoni				<i>A.culicifacies</i>	53	85					2004
39	Sagar				<i>A.culicifacies</i>	13	90					2004
40	Balaghat				<i>A.culicifacies</i>	65	82	100	100			2004
41	Shahdol				<i>A.culicifacies</i>	20	80					2004
42	Chhattarpur				<i>A.culicifacies</i>	60	80					2004
43	Panna				<i>A.culicifacies</i>	-	100					2004
44	Sidhi				<i>A.culicifacies</i>	33	88					2004
45	Jhabua				<i>A.culicifacies</i>	33	53					2004
46	Jhabua				<i>A.culicifacies</i>	26.60	46.60					2004
47	Barwani Lamb				<i>A.culicifacies</i>			100	100			2004
48	Ashok Nagar				<i>A.culicifacies</i>	60		100	100			2004
49	Tikamgarh				<i>A.culicifacies</i>	10						2004
50	Rewa				<i>A.culicifacies</i>	25	80					2004

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4. State: MAHARASHTRA

S. No.	District	Zone	PHC/CHC	Locality/ Village	Mosquito species	Percentage Mortality							
						DDT	Mal	Delta	Cyfl.	Per.	Lam.	Alpha	Year
1	Satara		Keonjhar	Chorambe	<i>A.culicifacies</i>	13.5			89.35		100		
2	Thane		Dabhad	Jambhiwal	<i>A.culicifacies</i>	20		100	93.33		80		
3	Gondiya		Kati	Jirutola	<i>A.culicifacies</i>	9.61			87.93		77.77		
4	Gadchiroli		Kunghada	Tkurul	<i>A.culicifacies</i>				74.7				
5	Bhandara		Mohaghata	Mangaro	<i>A.culicifacies</i>			87.1	76.9		80.0		
6	Bhandara		Varathi	Varathi	<i>Sand flies</i>	36.3							
7	Thane			Kasa-vashati	<i>A.culicifacies</i>			85	90		78.3		
8	Satara		Morgiri	Morgiri	<i>A.culicifacies</i>	11.11			87.5		91.8		
9	Solapur		Trihe	Taluttarsolapur	<i>A.culicifacies</i>	11.9			91.1		88.37		
10	Nasik			Ozar Dikshi	<i>A.culicifacies</i>	15	66.6	87.3	87.3		70.3		
11	Solapur		Lavang	Sangam				87.2			90		2006
12	Mahdurbar	-	Visawapli	Balhat	<i>A.culicifacies</i>	14		87.75			82.3		2006
13	Nandubar	Nashik	Visarwadi	Balhat	<i>A.culicifacies</i>	14.0		87.25			82.3		2006
14	Nashik	Nashik	Borgaon	Vanjulpada	<i>A.culicifacies</i>	33.3	60.7	82.53					2006
15	Gonda	Nashik	Bijapur	Bhajipar	<i>An.culicifacies</i>		100				100		2005
16	Nagpur	Nashik	Khapa	Gadegaon	<i>An.culicifacies</i>	41.1							2005
17	Gondia		Bijapur	Bhajipur	<i>Sand flies</i>	42.3							2005
18	Gadchiroli			Kunshada (Khurad)	<i>An.culicifacies</i>			5	82.2				2005
19	Gondiya		Ravauwadi	Garra	<i>An.culicifacies</i>				85.36		90		2005
20	Dhule				<i>An.culicifacies</i>	33	60						2004
21	Jalgaon				<i>An.culicifacies</i>	10	30						2004
22	Thane				<i>An.culicifacies</i>	21	63	94	92				2004
23	Ratnagiri				<i>An.culicifacies</i>	20	30						2004
24	Raigarh				<i>An.culicifacies</i>	16	25	91	94				2004
25	Ahmednagar				<i>An.culicifacies</i>	10	22						2004
26	Kolhapur				<i>An.culicifacies</i>	12	55						2004
27	Solapur				<i>An.culicifacies</i>	11	15						2004
28	Satara				<i>An.culicifacies</i>	13	15	93	95				2004
29	Bid				<i>An.culicifacies</i>	18	68	62					2004
30	Aurangabad				<i>An.culicifacies</i>	17	20		100				2004
31	Parbhani				<i>An.culicifacies</i>	10	20						2004
32	Nanded				<i>An.culicifacies</i>	12	58						2004
33	Yeotmal				<i>An.culicifacies</i>	13	15						2004
34	Amravati				<i>An.culicifacies</i>	10	-						2004
35	Gadchiroli				<i>An.culicifacies</i>	20	89	100	100				2004
36	Buldhana				<i>An.culicifacies</i>	12	52						2004
37	Nagpur				<i>An.culicifacies</i>	17	60						2004

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5. State: RAJASTHAN

S. No.	District	Zone	PHC/CHC	Locality/ Village	Mosquito species	Percentage Mortality							
						DDT	Mal	Delta	Cyfl.	Per.	Lam.	Alpha	Year
1	Bundi	Kota	Namaanaa	Bawadikhedaa	<i>A.culicifacies</i>	42.5	81.25						2007
2	Jaisalmer			Pokran	<i>A.stpehensi</i>	30							2007
3	Jaisalmer	Jodhpur	Pokran	Pokran	<i>An.stephensi</i>	30							2006
4	Jaisalmer	Jodhpur	Pokran	Pokran	<i>An.stephensi</i>		80						2006
5	Sirohi	Jodhpur	Swroopganj		<i>An.culicifacies</i>	30							2005
6	Udaipur				<i>An.culicifacies</i>	6.25		97.5					2005
7	Chittorgarh				<i>An.culicifacies</i>	8.30	93.30						2005
8	Dungarpur	Udaipur	Simalwara		<i>An.culicifacies</i>	11.25							2005
9	Banaswara	Udaipur	Kushalgarh	Ramgarh	<i>An.culicifacies</i>	11.75							2005
10	Jhalawar	Kota	Asnawar	Mohkamura	<i>An.culicifacies</i>	46.25	85.0						2005
11	Baaraan	Kota	Jaiplaa	Moreli-Pathaar	<i>An.culicifacies</i>	55.0	37.50						2005
12	Nagaur				<i>An.culicifacies</i>	80	100						2004
13	Churu				<i>An.culicifacies</i>	12	100						2004
14	Bikaner				<i>An.culicifacies</i>	65	100						2004
15	Ganganagar				<i>An.culicifacies</i>	8	100						2004
16	Sirohi				<i>An.culicifacies</i>	65	100						2004
17	Barmer				<i>An.culicifacies</i>	50	100						2004
18	Jalore				<i>An.culicifacies</i>	65	100						2004
19	Pali				<i>An.culicifacies</i>	68	90						2004
20	Jodhpur				<i>An.culicifacies</i>	48	93						2004
21	Ajmer				<i>An.culicifacies</i>	90	60						2004
22	Bharatpur				<i>An.culicifacies</i>	72	100						2004
23	Jaipur				<i>An.culicifacies</i>	12	70						2004
24	Alwar				<i>An.culicifacies</i>	79	89						2004
25	Jhunjhunu				<i>An.culicifacies</i>	69	55						2004
26	Sikar				<i>An.culicifacies</i>	65	100						2004
27	Kota				<i>An.culicifacies</i>	31	84						2004
28	Bundi				<i>An.culicifacies</i>	36	85						2004
29	Tonk				<i>An.culicifacies</i>	78	81						2004
30	Baran				<i>An.culicifacies</i>	40	84						2004
31	Sawai Madhor				<i>An.culicifacies</i>	31	78						2004
32	Rajasamund				<i>An.culicifacies</i>	11	87						2004
33	Bhilwara				<i>An.culicifacies</i>	45	85						2004

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6. State: ORISSA

S. No.	District	Zone	PHC/CHC	Locality / Village	Mosquito species	Percentage Mortality							
						DDT	Mal	Delta	Cyfl.	Per.	Lam.	Alpha	Year
1	Sundergarh				<i>A.culicifacies</i>	15	100	100					2007
2					<i>A.fluviatilis</i>	100	100	100					2007
3	-----do----		Gurundri/Birkera		<i>An.culicifacies</i>	15	100	100		100	100	100	2007
4	-----do----		-----do----		<i>An.fluviatilis</i>	100	100	100		100	100	100	2007
5	Sundergarh				<i>An.fluviatilis</i>	93	100						2006
6	Sundergarh				<i>An.fluviatilis</i>	100	100						2005
7													
8	Keonjhar				<i>An.fluviatilis</i>	100	100						2005
9	Malkangiri				<i>An.fluviatilis</i>	100	100						2005
10	Koraput				<i>An.fluviatilis</i>	100	100						2005
11	Phulbani				<i>An.fluviatilis</i>	100	100						2005
12	Kalahandi				<i>An.fluviatilis</i>		100						
13	Dhenkanal				<i>A.culicifacies</i>	83	90						2004
14	Bolangir				<i>A.culicifacies</i>	60	100	100	100				2004
15	Sambalpur				<i>A.culicifacies</i>	65	100	100					2004
16	Cuttack				<i>A.culicifacies</i>	70	95						2004
17	Puri				<i>A.culicifacies</i>	15							2004
18	Jajpur				<i>A.culicifacies</i>	72							2004
19	Balasore				<i>A.culicifacies</i>	70	100						2004
20	Mayurbhanj				<i>A.culicifacies</i>	95	88	100					2004

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9. State: TAMIL NADU

S. No.	District	Zone	PHC/CHC	Locality/ Village	Mosquito species	Percentage Mortality							
						DDT	Mal	Delta	Cyfl.	Per.	Lam	Alpha	Year
1													
2	2203998	Vellore	Zet Vellore	Zet Vellore	<i>Aedes aegypti</i>		100						2007
3	2203998	Vellore	-	-	<i>A.stephensi</i>		100						2006
4	2216991	Virudhnagar	Pamabn	Rharavai	<i>A.stephensi</i>	100							2006
5	2203998	Vellore	Zet Vellore	Zet Vellore	<i>Aedes aegypti</i>		100						2007
6	2203998	Vellore	Zet Vellore	Zet Vellore	<i>Cx.quinquefasciatus</i>		100						2007
7	2203998		Zet vellore		<i>Cx.quinquefasciatus</i>		100						2007
8	2203998		Zet Vellore		<i>Aedes Aegypti</i>		100						2007
9	2203998		Zet Vellore		<i>Cx.quinquefasciatus</i>		100						2007
10	2203998		Zet Vellore		<i>Aedes aegypti</i>		100						2007
11	2203998				<i>Cx.quinquefasciatus</i>		100						2007
12	2216991	Virudhnagar	Pamban	Tharavaithoppu	<i>A.culicifacies</i>						100		2007
13	2203998				<i>Aedes aegypti</i>		100						2007
14	2203998				<i>Aedes aegypti</i>		100						2007
15	2203998				<i>Aedes aegypti</i>		100						2007
16	2203998				<i>Aedes aegypti</i>		100						2007
17	2203998				<i>Aedes aegypti</i>		100						2007

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12. State: PUNJAB

S. No.	District	Zone	PHC/CHC	Locality/ Village	Mosquito species	Percentage Mortality							
						DDT	Mal	Delta	Cyfl.	Per.	Lam.	Alpha	Year
1	Bhatinda		Gonira Kala	Gonira Kala	<i>A.culicifacies</i>	25	100	100					2006
2	Muktsar		Alouwala	Alouwala	<i>A.culicifacies</i>	27	100	100					2006
3			Kotiribhan	Kotiribhan	<i>A.culicifacies</i>	25	100	100					2006
4	1912990 Sangrur		Longowal	Longowal	<i>A.culicifacies</i>	23	100						2006
5	Barnala		Dhanalla	Dhanalla	<i>A.culicifacies</i>	80	81						2006
6	Mohalli		Derabassi	Derabassi	<i>A.culicifacies</i>	54	64						2006
7	Ludhiana			Maloud	<i>A.culicifacies</i>	23	100						2006
8	Jalandhar			Mehatpur	<i>A.culicifacies</i>	18	100						2006
9	Fatehgarh		Nandpurkalur	Basspathana	<i>A.culicifacies</i>	23	100						2006
10	Ropar		Chamkari	Marmda	<i>A.culicifacies</i>	24	100						2006
11	Patiala		Bhadson	Nabha	<i>A.culicifacies</i>	18	100						2006
12	Sangrur		Longowal	Longowal	<i>A.culicifacies</i>	23	100						2006
13	Barnala		Dhanalla	Dhanalla	<i>A.culicifacies</i>	24	100						2006
14	Mohali		Dera Bassi	Zerakpur	<i>A.culicifacies</i>	19							2006
15	Ludhiana		Maland	Dehlon	<i>A.culicifacies</i>	22	100						2006
16	Wokha		Bhandari	Bhandari	<i>An.dirus</i>	100							2006
17													2006
18	Patiala		Bhadson		<i>A.culicifacies</i>	92	95						2006
19	Ropar		Chamkur Sahib		<i>A.culicifacies</i>	85	84						2006
20	Fatehgarh Sahib		Nandpur Kalan		<i>A.culicifacies</i>	83	85						2006

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13. State: KARNATAKA

S. No.	District	Zone	PHC/CHC	Locality/ Village	Mosquito species	Percentage Mortality							
						DDT	Mal	Delta	Cyfl.	Per.	Lam.	Alpha	Year
1	Chikmagalur		Singatagere		<i>A.culicifacies</i>	20	100						2007
2	Chikmangalur		Panchmahalu		<i>A.culicifacies</i>	20	100						2007
3	Kolar		Gudibanda		<i>A.culicifacies</i>	10	100	100					2007
4													2007
5	Raichur		Masarkal		<i>A.stephensi & A.culicifacies</i>	10	100	100			100		2007
6	Kolar		Devoraya Sambalra	Devoraya Sambalra	<i>A.culicifacies</i>	2.50	100						2007

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14. State: UTTAR PRADESH

S. No.	District	Zone	PHC/CHC	Locality/ Village	Mosquito species	Percentage Mortality							
						DDT	Mal	Delta	Cyfl.	Per.	Lam	Alpha	Year
1					<i>A.culicifacies</i>		70						2007
2					<i>A.annularis</i>		66						2007
3					<i>A.culicifacies</i>		60						2007
4					<i>A.annularis</i>		58.3						2007