

Table 4
Known breeding habitats of the genera and subgenera of mosquito in Thailand.

| Ground water habitats | | Container habitats | | | | | | | | | | | | | | |
|--|---|--------------------|--|--|-------|--|--|--------|--|--|-------|--|--|-------|-------|--|
| | | Cocoons | | | Fruit | | | Leaves | | | Stems | | | Roots | | |
| Pond / lake | + | | | | | | | | | | | | | | | |
| Swamp ¹ | + | | | | | | | | | | | | | | | |
| Marsch sand bog ² | + | | | | | | | | | | | | | | | |
| Ditch | + | | | | | | | | | | | | | | | |
| Grassy pool | + | | | | | | | | | | | | | | | |
| Stump ground pool ⁴ | + | | | | | | | | | | | | | | | |
| Pit / Well ³ | + | | | | | | | | | | | | | | | |
| Sand pool | + | | | | | | | | | | | | | | | |
| Flood pool | + | | | | | | | | | | | | | | | |
| Ground pool or puddle | + | | | | | | | | | | | | | | | |
| Stream margin | + | | | | | | | | | | | | | | | |
| Step or seepage-spring | + | | | | | | | | | | | | | | | |
| Rice field | + | | | | | | | | | | | | | | | |
| Wheel track / tire depression | + | | | | | | | | | | | | | | | |
| Elephant and other footprints | + | | | | | | | | | | | | | | | |
| Salt marsh | + | | | | | | | | | | | | | | | |
| Mangrove / nipa swamp | + | | | | | | | | | | | | | | | |
| Crab hole | + | | | | | | | | | | | | | | | |
| Artificial container | + | | | | | | | | | | | | | | | |
| Cave hole ⁸ | + | | | | | | | | | | | | | | | |
| Rock hole ⁷ | + | | | | | | | | | | | | | | | |
| Hollow log | + | | | | | | | | | | | | | | | |
| Tree hole ⁹ | + | | | | | | | | | | | | | | | |
| Hole in stump / roots ¹⁰ | + | | | | | | | | | | | | | | | |
| Bamboo stump | + | | | | | | | | | | | | | | | |
| Bamboo intermediate | + | | | | | | | | | | | | | | | |
| Allocasta / colocasia axis ¹¹ | + | | | | | | | | | | | | | | | |
| Pandanus axis | + | | | | | | | | | | | | | | | |
| Ginger plant | | | | | | | | | | | | | | + | ++ | |
| Pineapple axis | | | | | | | | | | | | | | + | +++++ | |
| Banana stump / axis | | | | | | | | | | | | | | + | +++++ | |
| Nipa axis | | | | | | | | | | | | | | + | + | |
| Leaf axis | | | | | | | | | | | | | | + | + | |
| Fallen leaf | | | | | | | | | | | | | | + | + | |
| Cocoon shell | | | | | | | | | | | | | | + | +++ | |
| Cocoanut husk | | | | | | | | | | | | | | + | + | |

Table 4 (continued)

| Ground water habitats | Container habitats |
|--|--|
| Pond / lake | |
| Swamp ¹ | |
| Marsch and bog ² | Ochlerotatus (<i>Bruceharrisonius</i>) Ochlerotatus (<i>Finiaya</i>) Ochlerotatus (<i>Kenknightia</i>) Ochlerotatus (<i>Mucidus</i>) Ochlerotatus (<i>Ochlerotatus</i>) Ochlerotatus (<i>Rhinoskusea</i>) |
| Ditch | Udaya Verrallina (<i>Harbachius</i>) Verrallina (<i>Neomacleaya</i>) Verrallina (<i>Verrallina</i>) Zeugomyia |
| Pit / Well | Culex (Culex) Culex (Culiciomyia) Culex (Eumelanomyia) Culex (Lophoceraomyia) Culex (Oculeomyia) Lutzia (Metalutzia) Ficalbia |
| Stump ground pool ⁴ | Mimomyia (<i>Etorleptomyia</i>) Mimomyia (<i>Ingramia</i>) Mimomyia (<i>Mimomyia</i>) Hodgesia Coquillettidia (<i>Coquillettidia</i>) |
| Grassy pool | |
| Sand pool | |
| Ground pool or puddle | |
| Flood pool | |
| Stream pool ⁵ | |
| Stream margin | |
| Rock pool ⁶ | |
| Hollow log | |
| Crab hole | |
| Artificial container | |
| Tree hole ⁷ | |
| Cave hole ⁸ | |
| Rock hole ⁷ | |
| Hole in stump / roots ¹⁰ | |
| Bamboo intemode | |
| Bamboo stump | |
| Bamboo split | |
| Alliocasia / colocasia axils ¹¹ | |
| Pandanus axils | |
| Ginger plant | |
| Pineapple axils | |
| Banana stump / axils | |
| Nipa axils | |
| Leaf axils | |
| Fallen leaf | |
| Coconut shell | |
| Coconut husk | |

Table 4 (continued)

| Ground water habitats | | Container habitats | | | | | | | | | | | |
|--|---|--------------------|---|---|---|---|---|---|---|---|---|---|---|
| Mansonia (<i>Mansonioides</i>) | + | ? | + | + | + | + | + | + | + | + | + | + | + |
| Orthopodonyia | + | - | - | - | - | - | - | - | - | - | - | - | - |
| Malaya | + | - | - | - | - | - | - | - | - | - | - | - | - |
| Topomyia (<i>Suayomyia</i>) | + | - | - | - | - | - | - | - | - | - | - | - | - |
| Tripterooides (<i>Rachionotomyia</i>) | + | - | - | - | - | - | - | - | - | - | - | - | - |
| Tripterooides (<i>Tripterooides</i>) | + | - | - | - | - | - | - | - | - | - | - | - | - |
| Toxorhynchites (<i>Toxorhynchites</i>) | + | - | - | - | - | - | - | - | - | - | - | - | - |
| Uranotaenia (<i>Pseudoficalbia</i>) | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Uranotaenia (<i>Uranotaenia</i>) | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pond / lake | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Swamp ¹ | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Marsh and bog ² | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Ditch | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pit / well ³ | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stump ground pool ⁴ | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Grassy pool | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Sand pool | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Flood pool | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Ground pool or puddle | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stream pool ⁵ | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Stream margin | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Seep or seepage-spring | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Rice field | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Wheel track / tire depressions | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Elephant footprints | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Salt marsh | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Mangrove / nipa swamp | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Crab hole | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Artificial container | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hollow log | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Rock hole ⁶ | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Cave hole ⁸ | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Tree hole ⁹ | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Hole in stump / roots ¹⁰ | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Bamboo intermediate | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Bamboo stump | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Bamboo split | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pandanus axis | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Ginger plant | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Pineapple axis | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Banana stump / axis | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Leaf axis | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Nipa axis | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Fallen leaf | + | + | + | + | + | + | + | + | + | + | + | + | + |
| Coconut shell | + | + | + | + | + | + | + | + | + | + | + | + | + |

¹Swamp: a permanent or semi-permanent body of water that can be small, but is usually large and has grown trees standing throughout the standing water. The water can be shallow or deep, is usually partially or fully shaded, and is often open (without emergent grasses and brushy vegetation) underneath the trees.

²Marsh and bog: a permanent or semi-permanent body of water that can be small or large, but grown trees usually occur only around the margin and the central part is exposed to full sunlight, with submerged and emergent grasses and other brushy vegetation. The water is usually shallow.

³Pit/well: this is defined as relatively shallow ground pits (e.g. sapphire pits or shallow wells), not deep wells like those in western countries.

⁴Stump ground pool: ground pool made by uprooted tree.

⁵Stream pool: there are isolated water pools in a stream bed or on sand bars when the stream is drying up.

⁶Rock pool: fresh or brackish pools made of solid rock.

⁷Rock fissure: deep fissures or holes in solid rock.

⁸Cave hole: a rock pool in a cave, usually in solid calcified limestone.

⁹Tree hole: a natural water holding cavity in a tree that is supplied by water from stem flow or rainfall. This would include woodpecker and insect holes.

¹⁰Hole in stump/roots: this is water in a cavity or split in an erect stump of a cut tree, or water collected in root flanges at the base of a tree or a stump.

¹¹All *Allocasgia*/*Colocasia* axis: two species of 'elephant-ear' plants.