

Rove Beetle

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Rove Beetle Latest News

Researchers have discovered three previously unknown species of rove beetles in Arunachal Pradesh, marking a significant addition to the state's rich biodiversity.

About Rove Beetle

- Rove beetles (family Staphylinidae) are one of the **largest beetle families**.
- **Appearance:** They are typically elongate, fast-moving beetles with shortened wing covers (elytra) that expose flexible abdominal segments.
- Many species of these beetles can raise the abdomen in a scorpion-like defensive posture (not a true sting).
- **Preferred climate:** sub-tropical, cold tolerant
- **Distribution:** Rove beetles occupy **almost all moist environments** throughout the world.
- **Habitat:** Typical microhabitats include **leaf litter, soil surface, under bark**, fungi, shorelines, dung, carrion, compost, and nests of social insects;

- These are usually **found around decaying animal and vegetable matter, preying on carrion-feeding insects.**
- **Features**
 - Some large species are a brightly coloured black and yellow, thus resembling wasps; other rove beetles **mimic soldier ants** in both **appearance and behaviour.**
 - These predatory **beetles are beneficial to farmers and gardeners**, because they can reduce pest populations, also referred to as biological control
 - **Lifespan is variable:** adults may live ~2 weeks to ~12 months; total life cycle often ~1-24 months depending on climate and species.
 - **Chemical defenses from abdominal glands;** secretions can deter predators and may include irritants or antimicrobial compounds.

Source: IT

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