

Crop Protection : Pest of paddy

Grasshopper: *Hieroglyphus banian*

Short horned grasshopper: *Oxya nitidula*

Symptoms of damage:

- Irregular feeding on seedlings and leaf blade
- Cutting of stem at panicle stage
- Completely defoliate the plants leaving only the mid ribs

Identification of insect pest :

- **Eggs:** 30-40 yellowish eggs are laid in groups and covered with gummy like substance
- **Nymph:** Nymphs feed on grasses and paddy
- **Adult:** Adult of *Hieroglyphus banian* is shiny greenish yellow with three black lines running from dorsum to venter on its head and thorax. It is bigger than *Oxya* sp. In the early stages, the young are yellowish, with many reddish brown spots. *Oxya* sp. has a blackish brown stripe running from behind the eyes up to thorax on the lateral surface of the body.

***Hieroglyphus banian*:** 1½ inch in length, green, larger with transverse black lines above the pronotum

***Oxya nitidula*:** 1 inch in length with transverse brownish lines above the pronotum

Management:

- Cut the soil with a spade or rake and plaster the lands especially in rice field and water channels to destroy the egg pods.
- If huge number of grass hoppers (5 per sweep) or damage is visible, then management measures can be initiated; Spray the crop with chlorpyrifos 20 EC @ 500 ml/ac.



Irregular feeding of leaves at the margin



Hieroglyphus spp.



Oxya spp.

