




PESTRIVIA



SPIIDER MITES

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SPIDER MITES

Tetranychus spp.



2 Spotted Spider Mite



Red Spider Mite

- A very wide range of wild and cultivated plants are attacked by this pest, indicating completely being polyphagous.
- Spider mites are very tiny and can be seen on underside of the leaves. During heavy infestation, spider mites can be seen all over the plant.
- Eight legs in the adult stage, typical of arachnids.
- Varied coloration, including red, yellow, green, or brown, depending on the species.
- Thrive in warm and dry conditions. High temperature and low humidity promote their rapid reproduction.



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EGGS

Eggs are round in shape and transparent. It will turn into creamy white when they are about to hatch.



ADULT

The adult female are ovoid and larger compared to adult male. It takes 9-12 days to develop from egg to adult. An adult can live for 6-48 days.



LIFE CYCLE

LARVA

The larva has a round body with two red eye spots and six legs.



NYMPH

There are two nymphal stages, protonymph and deutonymph. The protonymph are deep-colored while deutonymph are larger in size. Both stages have four pair of legs.



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DAMAGE SYMPTOMS



DISCOLORATION



DRYING



WEBBING



UNDERSIDE OF LEAVES



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MANAGEMENT RECOMMENDATIONS

CULTURAL:

- Remove heavily infested leaves.
- Proper sanitation.
- Removal of webs.
- Proper watering.

BIOLOGICAL:

- Introduce natural predators such as predatory mites, and lacewings to feed on spider mites.

CHEMICAL:

- Use of biopesticides such as neem, chili solution and kakawate extract.
- Use of FPA approved and recommended pesticides.



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REFERENCES

- Handbook on Arthropod Pests and Diseases of Cassava. 2016
- Handbook of Insect Pests and their control in Selected Crops of the Philippines. 2004
- <https://plantdoctor.eastwestseed.com/diagnostic-key/red-spider-mites-3>

PHOTO REFERENCES

- Bureau of Plant Industry - Crop Pest Management Division
- <https://plantpath.ifas.ufl.edu/u-scout/tomato/spider-mite-damage.html>
- <https://treefruit.wsu.edu/crop-protection/opm/spider-mites/>



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Let's learn more about SPIDER MITES and its Management Recommendations.

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