



ALABAMA A&M AND AUBURN UNIVERSITIES

Plant Disease Notes

Leaf Roll

ANR-866

Leam roll of tomato occurs during unfavorable environmental conditions.

Symptoms. Leaf roll is characterized by the upward curling of leaflets on older leaves. At first, leaflets appear to be cupped; this may progress until the margins of the leaflets touch or even overlap each other. Rolled leaves may feel firm and leathery. Symptoms may affect up to three-quarters of the foliage although plant growth and fruit production are not significantly altered. Symptoms are most common when plants have a heavy fruit set.

Persistence and Transmission.

Leaf roll of tomato has been associated with varieties having a

specific gene that favors this condition. Tobacco mosaic virus can promote leaf roll symptoms on varieties containing this genetic makeup. High temperatures, prolonged periods of wet soil conditions, and drought may promote symptom development.

Control. Since damage is minimal, controlling leaf roll is not a major concern. Control strategies include the following:

- Set plants on well-drained soil.
- Irrigate during periods of drought.



Your Experts for Life

ANR-866

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Use chemicals **only** according to the directions on the label. Follow all directions, precautions, and restrictions that are listed.

For more information, call your county Extension office. Look in your telephone directory under your county's name to find the number.

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