

**Problem:** Tomatoes and Peppers, Lack of Fruit Set



**Host Plants:** Tomatoes and Peppers

**Description:** Extensive vine growth is usually associated with poor blossom set. Anything that creates lush vine conditions usually discourages bloom set. The most common 'culprit' is excessive fertilization -- especially with nitrogen fertilization. In areas that have had a lot of manure applications or areas where extensive N fertilizers have been applied, there is usually a corresponding decline in the failure of plants to bloom properly and some flower abortion. This is often corrected as the season progresses and some of that excessive fertilization is used up or leached from the plant root zone.

Excessive heat or cold can also interfere with fruit set. Temperatures that go below 55 degrees or remain above 75 degrees at night can prevent pollination of tomatoes. Peppers may not tolerate night temperatures that remain above 80 degrees.

**Recommendations:** Water the tomatoes as needed.

**References:**

1. [Tomatoes](#), K-State Research and Extension Publication MF-312

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