



Dahlia Mosaic Virus:
A Pictorial Guide to
Symptoms and Diagnosis

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Over a dozen viruses are known to infect dahlia. *Dahlia mosaic virus* (DMV) appears to be highly prevalent in dahlias grown in the US. This pictorial guide includes some of the symptoms produced by DMV. Symptoms vary widely from mild mosaic to severe infections that result in yellowing and stunting of the newly emerging foliage or the entire plant. Other symptoms include chlorotic spots, veinal chlorosis, vein clearing, leaf malformation and systemic chlorosis.



Vein Clearing

Chlorophyll loss following leaf veins



Chlorosis and Stunting Caused by DMV

Chlorophyll loss combined with severe stunting of new growth



Chlorosis and Stunting Caused by DMV

Chlorophyll loss combined with distorted leaf and petiole



Chlorosis and Stunting Caused by DMV

Chlorophyll loss combined with distortion of leaf and petiole



Chlorosis and Stunting Caused by DMV

Chlorophyll loss combined with twisting of leaf margin



Chlorosis and Stunting Caused by DMV

Chlorophyll loss combined with distortion of leaf and petiole



Chlorosis and Necrosis Caused by DMV

Chlorophyll loss combined with dark necrotic lesions on leaf and petiole



Necrosis Caused by DMV

Chlorophyll loss combined with dark necrotic lesions on leaf and petiole



Stunting and Necrosis Caused by DMV

Shortened internodes and leaf distortion
combined with necrotic lesions



Mosaic Caused by DMV

Chlorophyll loss in a random pattern on leaf blade



Mosaic and Stunting Caused by DMV

Random chlorophyll loss combined leaf distortion



Mosaic and Stunting Caused by DMV

Random chlorophyll loss combined with distortion of leaf and petiole



Ring spots Caused by Impatiens Necrotic Spot Virus on mature dahlia leaf blade

