



# ***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

