

Tomato Brown Rugose Fruit Virus (ToBRFV)

Recently a newly emerging virus, Tomato brown rugose fruit virus (ToBRFV), has been identified in mainland Europe, which poses a potential and significant risk to UK tomato and pepper crops. For growers, glasshouse and packhouse staff it is important to be aware of the symptoms of this virus in anticipation of its future arrival into the UK, and ensure any suspected signs are reported to managers and the relevant authority.



Symptoms of tomato brown rugose fruit virus (ToBRFV) on infected tomato (*Solanum lycopersicum*) plants.

a, d: Brown wrinkled (rugose) patches developed on fruits. b, c: Chlorotic spots on fruits. a, e–g: Mosaic pattern (chlorotic/pale patches) developed on leaves, often on younger leaves in the head and side shoots; and narrowing accompanied by mottling leaves. g: Brown necrotic symptoms on pedicle (stem), calyxes, and petioles.



Mosaic formation on the younger leaves which may also be crumpled, puckered or deformed. Leaves may also be narrowed.



Chlorotic (yellow) spotting and marbling of fruit can appear to be similar to infection with PepMV.

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The information on this poster was compiled by Adrian Fox from Fera.

