Symptoms of common tomato diseases:

* **Alternaria solani (early blight - tizon temprano)** - Dark concentric spots on leaves, defoliation, necrotic lesions on flowers and stems, necrotic lesions on berries.
* **Septoria lycopersici (Septoria leaf spot – Mancha foliar por septoria)** - Circular to oval necrotic lesions with grey centers on leaves, defoliation, pycnidia in lesions.
* **Botrytis cinerea (grey mould – moho gris)** - Soft rots, water soaking of tissues, grey mold on stems, flowers and fruits.
* **Fusarium oxysporum f. sp. lycopersici (Fusarium wilt – Marchitamiento por fusarium)** - Yellowing of lower leaves, vascular browning, wilting, plant collapse.
* **Fusarium oxysporum f. sp. radicis-lycopersici (crown and root rot - putrefacción de la raíz y la corona)** - Vascular and cortical discoloration of roots and stems, necrosis on roots, plant wilting.
* **Verticillium dahliae (Verticillium wilt – marchitamiento por verticillium)** - Yellowing and necrosis of lower leaves progressing upwards, vascular browning, plant wilting.
* **Clavibacter michiganensis (bacterial canker - cancro bacteriano)** - Marginal leaf roll, stem cankers, bird's eye lesions on fruit.
* **Pseudomonas syringae pv. tomato (bacterial speck - mancha bacteriana)** - Angular leaf spots, stem spots, fruit spotting.
* **Candidatus Phytoplasma solani (stolbur phytoplasma)** - Yellowing, little leaf, bushy growth, virescence, small malformed fruits.
* **Tomato spotted wilt virus (TSWV)** - Leaf bronzing, necrotic spots on leaves, stems and fruit, plant death.
* **Cucumber mosaic virus (CMV)** - Mosaic, mottling, leaf deformation, necrotic lesions and fruit deformation.
* **Tomato yellow leaf curl virus (TYLCV)** - Leaf curling, yellowing, little leaf, plant stunting.
* **Tomato brown rugose fruit virus (ToBRFV)** - Leaf deformation, yellowing, fruit marbling and deformation.
* **Tomato mosaic virus (ToMV)** - Leaf mottling, spotting, fruit spotting and deformity.
* **Parietaria mottle virus (PMoV)** - Leaf necrosis, stem apex necrosis, ring spots on fruit.
* **Pepino mosaic virus (PepMV)** - Leaf mottling, fruit marbling.
* **Potato spindle tuber viroid (PSTVd)** - Stunting, leaf curling, chlorosis, vein necrosis, fruit deformity.

Las enfermedades que afectan la planta de tomate se pueden categorizar según los síntomas que manifiestan. Early blight y Septoria leaf spot comparten características como defoliación y lesiones necróticas en diferentes partes de la planta. Fusarium wilt, Crown and root rot y Verticillium wilt presentan síntomas como marchitamiento de la planta y pardeamiento vascular. Grey mould se distingue por síntomas como podredumbre blanda y encharcamiento de tejidos.

Bacterial canker y Bacterial speck muestran lesiones en diferentes partes de la planta y el enrollamiento de las hojas en el caso de Bacterial canker. Stolbur phytoplasma, Tomato yellow leaf curl virus y Tomato brown rugose fruit virus presentan síntomas como amarilleamiento y atrofia o escasez de hojas.

Tomato spotted wilt virus, Parietaria mottle virus y Cucumber mosaic virus incluyen síntomas de deformación foliar y lesiones necróticas. Tomato mosaic virus y Pepino mosaic virus se caracterizan por síntomas como moteado de hojas y deformación de los frutos. Potato spindle tuber viroid manifiesta una variedad de síntomas, incluyendo retraso del crecimiento y deformidad de los frutos (Panno et al., 2021).