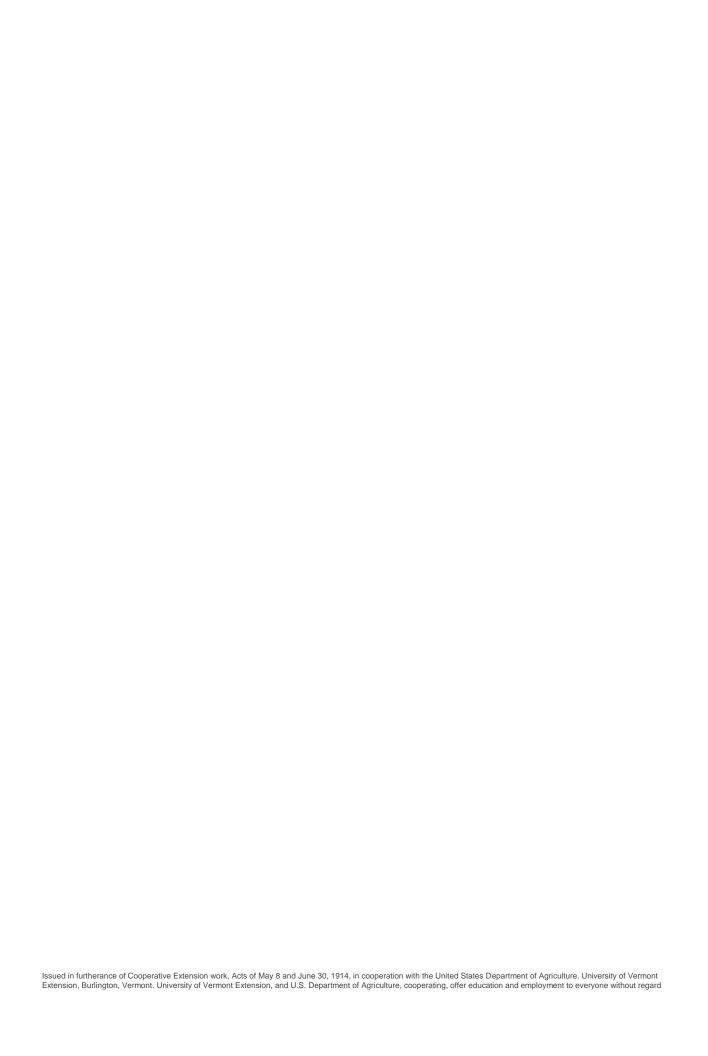
Ann Hazelrigg, Ph.D. and Gabriella Maia, M.S., UVM Plant Diagnostic Clinic

Early season issues are primarily abiotic:

Cold air or soil temperatures can cause leaf spotting/damage and/or purpling of foliage. Check new growth-if it looks good and undamaged



Leaf mold: Prefers high humidity and	

Cankers: Symptoms include wilting in the tops of plants that typically do not recover during the night. Leaf edge scorch/browning common. Check lower in the plant.

Sclerotinia white mold: Fluffy white mold at the base of the plant typically in wet or poorly drained areas in the tunnel causing a brown canker and wilt. Black hardened sclerotia that look like mouse droppings may be within the mold or in the stem. Sclerotia can live several years in the soil. Out off plant at base, remove and destroy.



Bacterial canker-May see black lesions on the stems, wilting and/or severe leaf scorch. Out into the vascular tissue just under the skin of stem to look for browning. Remove plant, watch neighboring plants for development of symptoms. Very easily spread through suckering and pruning. Purchase only hot water treat seed.