Back to IPM scouting in herbaceous perennials.

Bacterial diseases Crown gall

Pathogen: Agrobacterium tumifaciens.

Hosts include: Achillea, Anemone, Artemisia, Aster, Campanula, Coreopsis, Delphinium, Dianthus, Gaillardia, Geranium, Gypsophilia, Helianthus, Heuchera, Lathyrus, Nepeta, Oeno-thera, Penstemon, Phlox, Platycodon, Primula, Rudbeckia, Salvia, Scabiosa, Sedum and Stachys.



A large gall on a dead stem of Achillea.

Symptoms: Galls form on stems and roots, restricting shoot or root growth.

Spread: This bacterium persists in soil; use of infested field soil can spread the disease. Moving infested plants also spreads disease. Cuttings taken from infected plants are likely to become infected.

Crown gall - continued

Management: Plants with galls should be removed and destroyed: they cannot be successfully treated. Infection usually occurs through wounds. Good sanitation is important during vegetative propagation. Effective biological control products are available and can be used to protect especially susceptible plants.