



FIGURE 21.35. Soybeans (*Glycine max*) carry root nodules that host the symbiotic nitrogen-fixing bacterium *Bradyrhizobium japonicum*. When the bacterium is prevented from fixing nitrogen by growing the plants in an argon:oxygen atmosphere, the plant responds by reducing the oxygen supply. This greatly reduces bacterial numbers and mass.

21.35, redrawn from Kiers E.T. et al., *Nature* **425**: 78–81, © 2003 Macmillan, www.nature.com