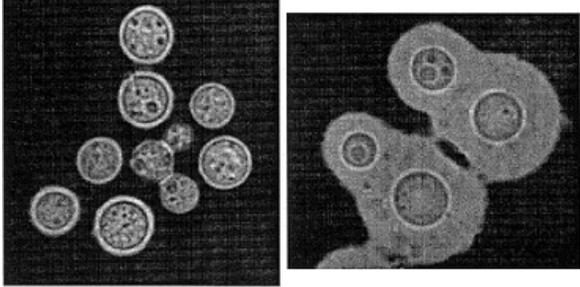


1	<p>Wheat blast is a fungal disease that was first discovered in Brazil in 1985. It has since spread throughout Brazil and in neighboring countries.</p>	
2	<p>While the disease can be spread naturally by wind and rain,</p>	
3	<p>the disease could have spread from region to region through human activities or fomites, with seeds inadvertently carried from an infected field to an uninfected field.</p>	
4	<p>Proper use of personal protective equipment is critical to preventing the spread of plant pathogens such as wheat blast.</p>	

5	<p>In addition, PPE helps protect the wearer from human pathogens and other risks.</p>	 A scientist wearing a white lab coat, a blue hairnet, and a light blue surgical mask is working in a laboratory. They are using a pipette to transfer liquid into a petri dish. In the background, there is a computer monitor and a microscope.
6	<p>For example, a respirator can filter out Cryptococcus spores.</p>	 A person wearing a full-body white protective suit, a hood, and a respirator is working outdoors. They are holding a clipboard and a pen, appearing to be taking notes or conducting an inspection. The background shows a paved area and some trees under a clear sky.
7	<p>This fungus occurs naturally in soils and can affect the lungs and central nervous system.</p>	 Two microscopic images of Cryptococcus spores. The left image shows several individual spores, which are roughly spherical with a distinct outer capsule and a smaller inner cell. The right image shows a cluster of spores, some of which are in the process of budding or dividing.
8	<p>A respirator can also help protect the wearer from pesticides or other chemicals.</p>	 A person wearing a white long-sleeved shirt, a dark cap, and a respirator is operating a pesticide sprayer in a field. The sprayer has a large white tank and several nozzles. The person is standing in a field of tall green crops, likely corn.

9	<p>This lesson will review personal protective equipment that can help protect personnel from exposure to disease or other hazards,</p>	 A photograph showing three pieces of personal protective equipment (PPE) laid out on a dark, reflective surface. On the left is a pair of white, disposable nitrile gloves. In the center is a pair of green safety goggles with a blue strap. On the right is a white, mesh respirator mask with a blue filter and a blue strap.
10	<p>and help prevent the spread of plant pathogens.</p>	 A photograph of a cornfield. The corn plants are tall and green, but many of the lower leaves are showing signs of stress or disease, appearing yellowed and browned. The field is densely packed with plants.