

The *Pseudomonas chlororaphis* strain NCIMB 40616 or its pure cultures possessing the ability to produce antipathogenically active metabolites and mutants of said strain having all of the identifying characteristics of the strain NCIMB 40616. A composition for controlling plant diseases caused by pathogenic fungi, which comprises as active ingredient the microorganism claimed or culture broth of said microorganism that contains antipathogenically active metabolites thereof.