Biopesticides and IPM

- Microbes; plant extracts; semiochemicals.
- Curative & preventative treatments; protected crops.
- > 2000 products worldwide.
- Annual growth 15% (3% for conventional pesticides).

Dave Chandler, Warwick Crop Centre
Biopesticides: the good stuff

• Low risk, no residue, low re-entry interval.
• Low development costs.
• Reduce selection pressures on pesticides.
• Attractive biological features: root colonisation, growth stimulation.
Biopesticides: challenges

• Some have proven potential in IPM – but performance of others is weak or sub-optimal.
  – Expensive, variable efficacy, less robust.
  – Reasons for poor performance not always known – but main suspects are ...
  – Application; environmental factors; understanding speed of kill; effective dose; compatibility.

• Growers are wary of them.
AMBER

Application and Management of Biopesticides for Efficacy and Reliability

- Develop management practices to improve biopesticide performance in IPM.
- Warwick, ADAS, Silsoe, consultants, partner growers, biopesticide companies.