Inside out crop protection by Tara O’Neill

Oilseed Rape in Need
- Farmers abandon crop
- Area harvested down 10%
- Catastrophic damage by resistant pests
- Insecticides banned
- No alternatives

* Defra. Farming Statistics 2019

Insect-attacking fungus

The idea

Seed coated with fungus

2. Does it work? (in the lab.)
- Does the fungus grow inside the plant?
- No negative impact on crop health?
- Impact on insect pests?

Cabbage White
Diamondback Moth
Cabbage Aphid
Others?

3. But what about outside?
- Reduced damage to plants?
- TBC Impact on yield?

![Graphs showing reduced damaged plants in plots A and B with and without fungus.]