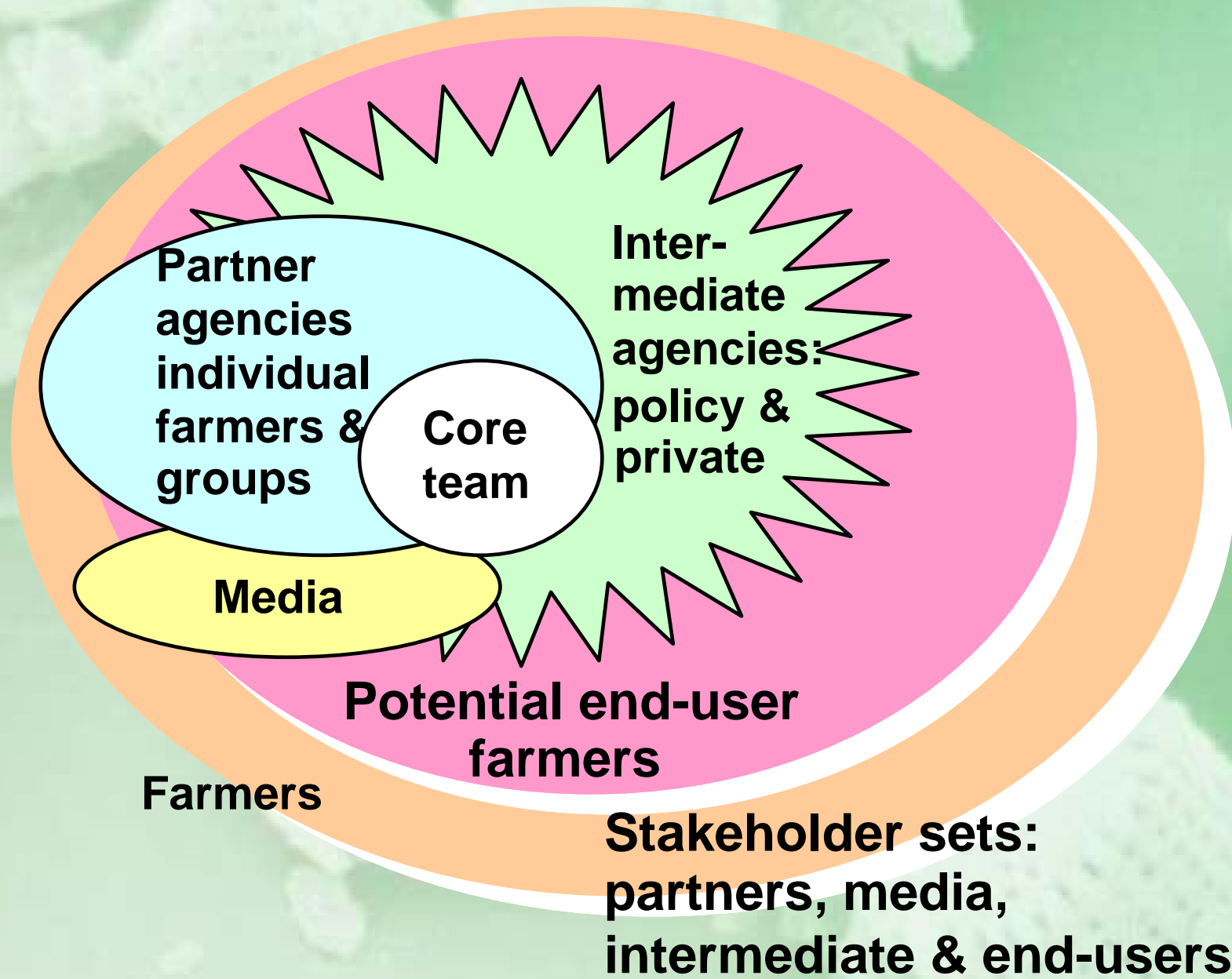


The background of the slide is a microscopic image of diatomaceous earth. It shows numerous small, light-colored, porous particles with intricate, lattice-like or circular patterns. The particles are scattered across the frame, with some appearing more clearly than others. The overall color is a pale, muted green.

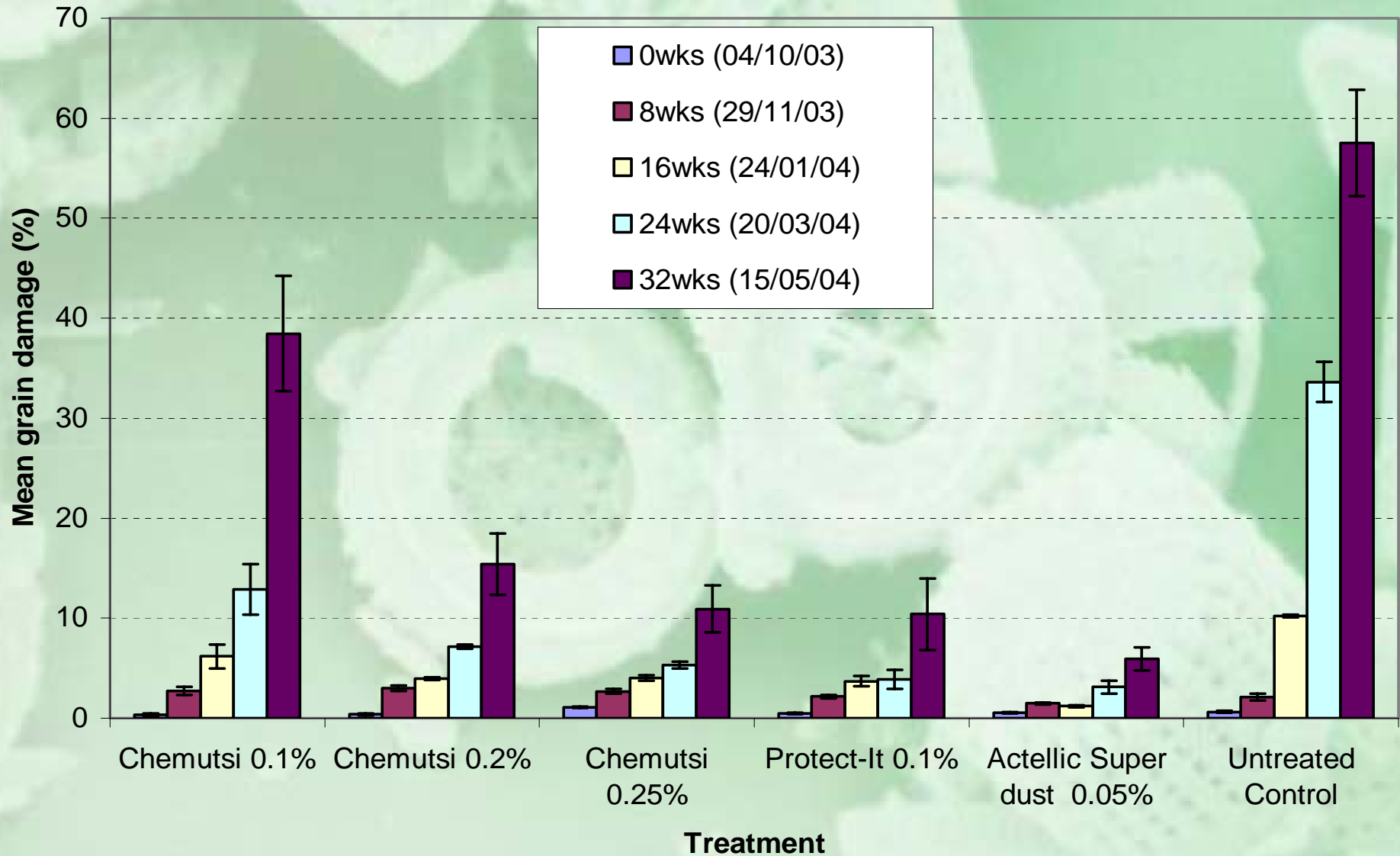
# Small-scale farmer utilisation of diatomaceous earths during grain storage

R8179





**Maize grain protection trials using raw DE from Chemutsi, Zimbabwe compared to commercial DE or synthetic insecticide, Hatcliffe farm, Harare, 2003/04**



# Factors/circumstances influencing farmer PH decision-making

**Bio-physical factors**: Agro-ecological zone; high/medium/low potential areas; infrastructure & land planning

**Community level factors**: Socio-economic, ethnic, cultural & belief system diversity – implications for gender, production & PH practices etc.

**Household level factors** **HH Composition**: HH size, make-up, type (e.g. extended, satellite, first wife) - implications for gender, labour, consumption patterns, social commitments etc.

**HH Resources**:

- Adult educational levels, skills & experience.
- Labour: availability, HH labour, paid labour, reciprocal arrangements.
- Access to / availability of land; owned or rented.
- Livestock for traction, transportation; feed implications
- Stores of grain, roots etc
- Crops: seed corn, varieties
- PH storage facilities and implements
- Transport for harvesting & marketing (owned, loaned or public transport)
- HH's or individuals' financial status; savings, remittances, pensions, access to credit.
- Social capital: memberships, kith & kin etc.


**HH Activities - livelihood strategies**:

- Farming / crop system
- Division and specialisation of labour
- Information strategies
- Use or not of synthetic pesticides
- Belief in and/or use of 'good hands' (magic)
- Responses to HH emergencies & to social commitments (e.g. weddings, funerals etc)•

**HH Outcomes & production levels**:

- Quantity & quality of emergence,
- Quantity & quality of harvest

**'Institutional' environment** Policies, traditional authorities, legislation, markets, projects & interventions



This dissemination is an output from a research project funded by the United Kingdom Department for International Development (DFID) for the benefit of developing countries. The views expressed are not necessarily those of DFID.

R8179. Crop Post Harvest Programme