

3D golden Arabic calligraphy on a dark blue background. The text is highly stylized and appears to be a religious or philosophical phrase, possibly related to the concept of 'The Day of Judgment' (Yawm al-Din) or 'The Day of Reckoning' (Yawm al-Hisab). The calligraphy is rendered in a bold, three-dimensional style with a metallic gold finish, set against a solid dark blue background.

Epidemiology of potato diseases

*Focus on Phytosanitary control of
seed and ware potatoes, especially
on potato brown rot*

**Presented by DR Aly
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Head central**



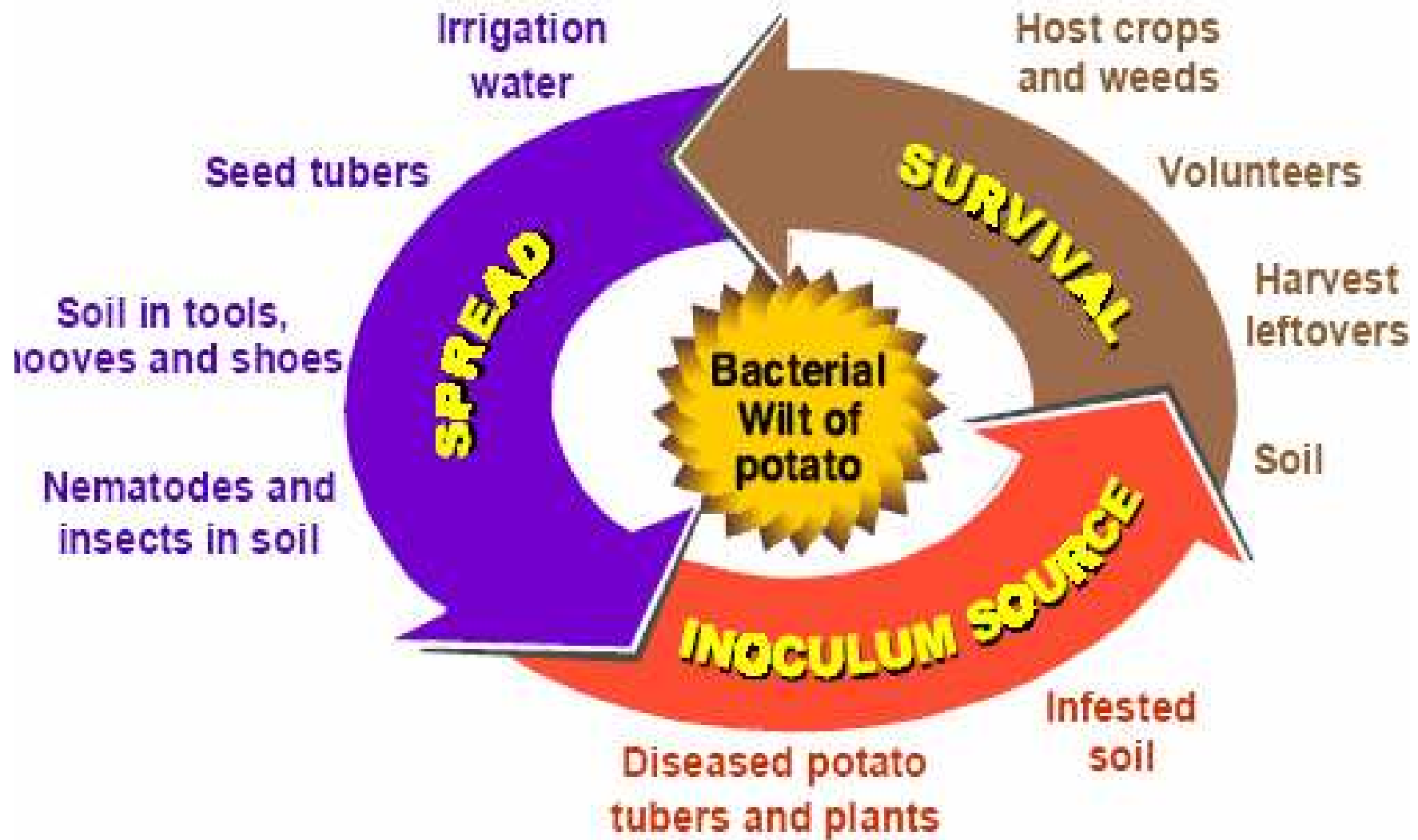
Potatoes considered the most important vegetable crop in exportation. The potato export to EU reach up to 382000 tones a year which represents about 80% of African export potato.

- **Bacterial wilt, caused by *Ralstonia solanacearum* is a very destructive plant disease that attacks over 450 different species, including many of the most important economic crop plants, as tomato, potato, banana, tobacco, eggplant and a few ornamental plants, such as geranium (*Elphinstone1998*).**

**■ Race 3: affect mainly
potatoes and tomatoes
without a high virulence
on other solanaceous
crops.**

Routes of Transmission

- **The potato seeds**
- **Irrigation water, drainage water**
- **Weeds and some aquatic plants**
- **Soil**
- **Root to root**



DISEASE CYCLE OF BACTERIAL WILT

Potato Plant Health system in Egypt

- **Egypt imports seed potatoes which are inspected and transported to licensed storage facilities where they are further inspected and sampled.**
- **Potatoes are released if certified free from brown rot. These potatoes are used for seed multiplication in PFAs during the summer season**

Production of healthy seeds

- **Potato seeds must be tested using different methods based on different levels microbiological, biochemical, serological, bioassays and molecular biology**
- **Potato seeds in spring seasons must be cultivated in best free area.**

Soil test



Weed test



Soil preparation



Healthy field



Sampling



Coding



Lab inspection



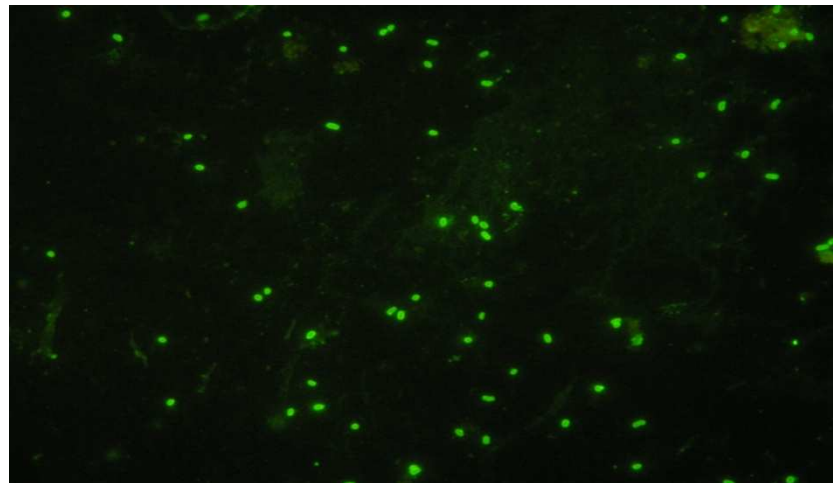
Bar coding



IF test



Microscopic examination



Data analysis



Bioassay test



Thank you

