Key activities

- Introduction and evaluation of new potato cultivars
- Training in seed potato field evaluation techniques and diagnostics
- Pest and disease monitoring to identify field sites for seed tuber multiplication
- Renovation of seed storage and screen house facilities in Malawi stations

To increase the availability of varieties available to farmers for the fresh and processing markets we supplied mini tubers of two varieties. More will follow in years to come.

The tubers will be planted and evaluated for growth in the different potato production regions. We have also supplied diagnostic reagents for use in surveys for virus disease and to identify fields free of the soil-borne disease bacterial wilt, one of the major constraints to potato production in Malawi.

Facilities to be renovated – diffuse light seed store and screen house at Bvumbwe

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Progress in year 1

Mini tubers of cv Atlantic and Maris Bard were supplied to Blantyre and Bembeke stations for propagation and field evaluation.

Field plots at Bvumbwe station showing infection by bacterial wilt and potato virus Y.

Viganted fields in Bembeke sub station where mini tubers will be propagated out of season to try to avoid disease contamination.

Potato plants in Bvumbwe field plots showing symptoms of bacterial wilt.

Potato leaves with symptoms of PVY recombinant strain NV-Wi (confirmed by sequence analysis at JHI).

Training in Scotland June 2011

Malawian scientists visited Scotland in June 2011 for 10 days. They received training in field inspection techniques, lab diagnostics and learnt about the Scottish seed tuber classification scheme. The photo was taken during a visit to a commercial seed farm to see the business side with farmer Robert Doig.

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