

10. Adoption

We plan to keep growing PP X PH 6 and PP X PH 8. They seem to be the most productive attractive and disease resistant progeny from the project. We have some reserve tubers of other lines and left over seeds from the original F1 crosses and may continue some work with these.

11. Outreach

The results of our project are very preliminary and we have not done any outreach. In the future the results are likely to be incorporated in talks that I regularly give at NOFA (Northeast Organic Farming Association) events.

12. Report Summary

The purpose of this project was to create lines of attractive, flavorful, leafhopper resistance potato varieties. The leafhopper resistant variety 'Prince Hairy' was crossed with four other potato lines, three yellow fleshed, and one purple. Plants were grown from true seed that resulted from the cross-pollination of the different potato varieties. More than 50 lines were created and grown. Two promising lines stood out, both were crosses of 'Purple Peruvian' and 'Prince Hairy'. These are both fingerlings one white and the other purple, their tubers seem clean and free of scab, they were noted by our collaborator as being somewhat tolerant of late blight. These new lines show good potential as specialty potatoes though more assessment of their production, disease resistance, and flavor is needed.

Bryan Connolly December 24, 2009