Fund Leveraging, specifically, collaborative grants between stations and members.

NC-140 members have written research proposals and attracted extramural funding associated or directly related to the five objectives of this project from local, regional, national and international funding sources. For fiscal year 2013/2014, funding reported by members amounted to several million dollars from primarily commodity groups and state sources. Additionally, funding from competitive grants associated with this project were more than several million dollars.


Cline, J. and J. Zandstra. 2014. Canadian Horticultural Council. ~$30,000

Cline, J. and K. Carter. 2013. Niagara Peninsula Fruit and Vegetable Growers. $6500


Cochran, D.R., J. Hannan, and G. Nonnecke. 2013. Optimizing the Cropping Potential and Profitability of Organic and Sustainable Apple Orchards Through the Use of Dwarfing Rootstocks. Iowa Dept. of Agri. and Land Stewardship Specialty Crop Block Grant. ($11,000 for 30 months; plus $1,700 in-kind for land and equipment usage)

Cowgill, W.P., Jr., 2014. NJ Horticultural Society, NC-140 Rootstock Research. 4,500

Cowgill, W.P., J., 2014- Ag Industry Support- dollars and in kind total 18,000

2014 Volunteer Hours –Master Gardner Snyder Fruit Team-725 hours @$24.00 17,400


R. Elkins. 2014. Rootstocks and orchard systems for European pears. California Pear Advisory Board, $17,251 (additional in-kind support from cooperating growers).

Einhorn, T. 2014. Competitive grant awards totaling $394,809 with $238,653 going to his research program and all of it coming from Commodity groups.

Fallahi, E., received a block Grant for $ 49,500 for 2013-2014 for evaluation of leaf minerals and fruit quality attributes on different rootstocks and canopy designs from Specialty Crop Block Grant, Idaho State Department of Agriculture.

Fallahi, E. received a block Grant for $ 53,500 for 2014-2016 for evaluation of yield, growth and fruit quality attributes and leaf minerals of Aztec Fuji on different rootstocks from Specialty Crop Block Grant, Idaho State Department of Agriculture.

Fallahi, E. received $3000 worth of chemicals from Wilbur Ellis Company for pest and disease control of rootstock projects.

Fallahi, E. received approximately $4800 in labor and equipment (in-kind) from Idaho fruit industry for operation of various apple rootstock projects.
Forge, T, Neilson, D, Blatt, S, Burgher-MacLellan, K, Forney, C, Kalmokoff, M and Song, J. Developing more resilient tree fruit production systems from the ground up: Rootstocks with enhanced tolerance to emerging biotic threats to orchard health. Science and Technology Branch, Research, Development and Technology Transfer Proposal. Amount applied for $800,000 over 3 years.


Lang, G.A. 2014. NC140 Trial Coordination – Cherry. International Fruit Tree Association. $1,500 (W. Autio, P.I., $12,000 total).


GREEEN. $14,092 (A. Iezzon, P.I., $30,240 total).

Lang, G. 2014. Rasch Orchards, Sparta, MI; $2,500 in-kind land use and maintenance for apple rootstock trial.


Marini, R. 2014. NC-140 Rootstock research trial Coordination. International Fruit Tree Association. $1,500.

Miller, D. 2014. In support of NC140 apple rootstock plantings. $5,000. Ohio Apple Marketing Program.


Moran, R. In-kind matching funds Orchard maintenance by Circle B Farms, Caribou, Maine, 1 acre @ $5000.


Parker, M.L. 2013-2014. Developing Management Strategies for Tree Fruit. NCDA&CS Specialty Crop Block Grant. $84,000.

Parker, M.L. 2014. NC Apple Growers Association. $6,780.

Parker, M.L. NC Legislature/Special Bill funding for apple research - $6,120.


Reighard, G. NC-140 trial coordinator grant. International Fruit Tree Association. $2,000.

Reighard, G. Guardian® seed sales. South Carolina Foundation Seed. $178,750.


Yao, S. Organic apple high density planting in New Mexico, USDA Specialty Crop Block Grant through NMDA. $27,600 (Nov 2014 to Sept 2017).

Stasiak, M. UW-EXT Fruit Team funding for establishment cost of 2014 Apple Rootstock Planting. $5,000.

Stasiak, M. Door & Kewaunee Co. commercial fruit research and outreach support to cover Ag Res Station land charge for both 2010 and 2014 Apple Rootstock Plantings. $1,100.


Warmund, M.R. 2014. Apple research supporting NC-140 research. MO Apple Merchandising Committee $2,000.


Other (Team)

A USDA SCRI grant was obtained ($495,000 from Sept 2011 through August 2014) entitled: Development of an eXtension Community of Practice (CoP) – Rootstocks and Apple Varieties for the Eastern States (RAVES) involving the states of MN, PA, MA, NY, NC, MO, OH, WV, IN, VA. We completed the grant objectives with the grant ending at the end of August 2014.