Welcome to the 75th Anniversary Celebration of Cornell University’s Hudson Valley Laboratory

July 7, 1998
3:30-9:00 pm

Highland
New York
On May 22, 1923, the governor of New York State signed legislation enabling the New York State Agricultural Experiment Station at Geneva to "establish a field station for agricultural research in the Hudson Valley for the experimental study of the problems of increasing the production and controlling the diseases and injurious insects of the horticultural crops of the Hudson River Valley."

Thus, 1998 marks the 75th Anniversary of Cornell's agricultural research program in the Hudson Valley.

From 1923 to 1962, Cornell scientists working in the Hudson Valley were based in leased facilities in Highland and, later, in Poughkeepsie. In 1942, the local fruit industry organized the Hudson Valley Horticultural Research Cooperative (later renamed the Hudson Valley Research Laboratory, Inc.) to provide assistance and leadership in finding appropriate facilities for Cornell scientists working in the Hudson Valley. In 1962, the Hudson Valley Research Laboratory, Inc. (HVRL) arranged to purchase land and finance construction of a permanent laboratory. In 1974, an addition to the original laboratory nearly doubled the space available for offices and laboratories.

Cornell University leases the Hudson Valley Laboratory and associated buildings from HVRL. Cornell supplies equipment and staffing for the laboratory and also owns the 20 acres of research orchards located on the hill behind the laboratory.

HVRL remains a non-profit grower organization dedicated to supporting agricultural research and education in the Hudson Valley. HVRL is governed by an elected Board of Directors. The Board of Directors cooperates closely with Cornell administrators to ensure the laboratory is maintained and upgraded as necessary to meet the needs of the research programs that are housed there. Periodic fund drives are used to generate industry support for major improvements. The Hudson Valley Lab represents a successful and mutually beneficial cooperative venture between Cornell University and fruit and vegetable industries of the Hudson Valley.
Program of Events

All guests are welcome to visit our laboratory, view exhibits, and participate in walking tours. The barbecue dinner is by reservation, with only a limited number of tickets available at the door. Please see the hostess at the entrance to the tent to receive your dinner ticket.

3:30-5:00 pm  Laboratory open house: Tour the laboratories; view posters and displays; see demonstrations of research in progress.

3:30-5:45 pm  Walking tours of research orchards, visit farm equipment displays and view antique farm equipment

4:00 pm  Demonstration of portable postharvest drencher on the parking lot behind the lab.

4:30 pm  Guided walking tour of research orchards; start from the green water tower in the center of the orchard.

5:00 pm  Repeat of guided walking tour of research orchards; start from the water tower.

5:40 pm  Music at the tent by Dr. Romo's Cajun-Swing Orchestra

5:50 pm  Formal Program at the tent

- Welcome and Introductions:
  Dr. Dave Rosenberger, Superintendent of the Hudson Valley Lab
- Retrospective on the Hudson Valley Lab:
  Dave Fraleigh, President of the Hudson Valley Research Laboratory, Inc.
- Fruitgrower Perspectives on Agricultural Research and Extension:
  Tony Moriello, Chairman, New York Apple Research and Development Program
- University Perspectives on Agricultural Research and Extension:
  Dr. Jim Hunter, Director of the New York State Agricultural Experiment Station, Geneva
  Dr. Daryl Lund, Dean of the College of Agriculture and Life Sciences, Cornell University
- Introduction of Distinguished Guests:
  Richard Bell, Secretary-Treasurer of the Hudson Valley Research Laboratory, Inc.

6:30 PM  Barbeque Dinner.
Music by Dr. Romo's Cajun-Swing Orchestra
Key:
1. Research Laboratory and Offices: Open house 3:30-4:30 PM
2. Postharvest Drencher for Apples: Demonstration at 4:00 PM
3. Entomology Research Orchard: Apples
4. Entomology Research Orchard: Pears
5. Apple Cultivar Trial: Susceptibility to Pests
6. Apple Cultivar Trial: Horticultural Qualities
7. Pesticide Rinse-water Treatment System
8. Economic Impacts of Apple Fungicides
9. Sooty Blotch and Flyspeck Studies: Liberty Apples
10. Fungicide/Mite Interactions: Empire Apples
11. Validation of a Model for Plum Curculio
12. Research on Aphid Management
13. Changing Apple Cultivars by Top Working
14. Research on 17-year Cicada
15. Electronic Weather Data Logger
16. Evaluating New Apple Fungicides

= Restrooms
WT = Water tower
Guided walking tours will start from here at 4:30 and at 5:00 pm.
Description of Tour Stops Noted on the Map

1. **Research Laboratory and Offices**: Self-guided tour with staff present to explain and illustrate laboratory procedures.

2. **Postharvest Drencher for Apples**: Applying biological controls to apples after harvest to prevent storage decay.

3. **Entomology Research Orchard**: Evaluation of chemical and biological methods for management of insect and mite pests of apple.

4. **Entomology Research Orchard**: Biology and management of insect and mite pests of pear.

5. **Apple Cultivar Trial**: Evaluating 25 apple cultivars for susceptibility to diseases and insects (National NE-183 project).

6. **Apple Cultivar Trial**: Evaluating apple cultivars for horticultural characteristics (NE-183 project).

7. **Pesticide Rinse-water Treatment System**: Designed for disposal of sprayer rinse water generated during field research trials.

8. **Economic Impacts of Apple Fungicides**: Four-year program to evaluate effects of fungicides on tree growth and productivity.

9. **Sooty Blotch and Flyspeck Diseases**: Studies on environmental factors contributing to disease development.

10. **Impacts of Fungicides on Predaceous Mites**: Captan, mancozeb, and metiram are compared to determine the effect of these fungicides on establishment and survival of beneficial mites.

11. **Validation of a Model for Plum Curculio**: Oviposition degree-day model and evaluation of insecticides for management of obliquebanded leafroller: M.26 Empire Block.

12. **Research on Aphid Management**: Evaluation of chemical and biological management of aphid pests and evaluation of insecticides for management of obliquebanded leafroller: M.9 McIntosh Block.

13. **Changing Apple Cultivars by Top Working**: An example of how grafting can be used to change apple varieties as an alternative to replanting with new trees.


15. **Electronic Weather Data Logger**: Automatically collects and records weather information.

Equipment Dealers Exhibiting Farm Machinery

Pine Plains Ford Tractors
Pine Plains, NY, 518-398-7107 or -715

Chester Valley Equipment
Chester, NY, 914-469-5087

OESCO, Inc.
Conway, MA, 413-369-4335

Chamber Ford
Montgomery, NY, 914-457-3094

Columbia Tractor
Claverack, NY, 518-828-1781

Truncali Farms
Marlboro, NY, 914-236-7696

Antique Equipment on Display

1936 Ford Truck
Courtesy of Doug Minard

1946 Chevy Truck
Courtesy of Doug Minard

1929 Model A Truck
Courtesy of Jim Kent

Steel-wheeled Friend Sprayer
Courtesy of Jim Kent

1938 Farmall F12 Tractor
Courtesy of Rod Dressel

Old Engine Display
Courtesy of Chester Valley Equipment
Acknowledgments

We thank the following for their assistance in preparations and activities associated with the 75th Anniversary Celebration:

- Director of the Agricultural Experiment Station, Geneva, NY, and the Board of Directors of the Hudson Valley Research Laboratory, Inc., for providing financial support for the event.
- Communications Services at the Geneva Experiment Station for their assistance in preparing brochures, banner, signs, and displays.
- Warren Smith, retired extension educator, for assistance in organizing equipment displays and assisting in overall organization of the event.
- Equipment dealers and antique equipment exhibitors for bringing displays to the event.
- Apple Blossom Farm, Home of Scrumpy Beverage Company, Highland, for providing lemonade.
- Aladdin Tent Rentals, Inc., Staatsburg, for providing the tent.
- Sal’s Place Catering, Highland, for catering the barbecue.

Officers and Board of Directors of the Hudson Valley Research Laboratory, Inc.

David Fraleigh: President

  Red Hook, NY

Bill Yonetti: Vice President
  Red Hook, NY

Richard Bell: Secretary Treasurer
  Red Hook, NY

Phil Hurd
  Clintondale, NY

David Miller
  Livingston, NY

Ed Miller
  Castleton, NY

Tom Waz
  Newburgh, NY