Helping to keep agriculture, New York's largest industry, competitive in today's ever changing foreign and domestic market is the goal of the New York State Agricultural Experiment Station.

Whether it be in the form of a major breakthrough or the continuing accumulation of results, Geneva Station researchers continue to be a key ingredient in meeting the market and production challenges of agriculture. The Geneva Station has been a part of Cornell University's College of Agriculture and Life Sciences since 1923 and is a vital part of its research and extension efforts in agriculture.

With its 66 faculty members plus a full-time support staff of some 270 people, the Geneva Station is charged with conducting research on the production and processing of fruits and vegetables. While a large part of the 120 research projects conducted at the Station is done in laboratories, the some 750 acres also serve as a laboratory for demonstration and experiments on new and improved crops and production techniques. There are also two outlying laboratories operated by the Station. One of these is located at Fredonia, south of Buffalo, and the other laboratory is in the Hudson Valley at Highland.

Although the Station is a horticultural research institute, many of its faculty have extension-type responsibilities. Working closely with growers and processors is critical to the success of the Station's research program.

As it enters its second century of serving the $2 billion processing fruit and vegetable industry, the Geneva Station continues to be recognized worldwide, as a leader in agricultural research. By blending applied and basic research and combining new and old techniques, the Station is successful in meeting its objective of developing and delivering useful information to growers and processors.
How to Obtain Publications

The publications listed here are mainly of a technical nature. Search: Agriculture, the series that replaced the former Cornell Memoirs and the Geneva Station's Technical Bulletins, comprises reports of basic research and is available to persons and institutions engaged in research and to libraries.

New York's Food and Life Sciences Bulletin replaces the former Cornell Experiment Station Bulletins and the Geneva Research Circulars.

The Special Report Series is published only at the Geneva Agricultural Experiment Station and is unique to research conducted at Geneva. This series is of interest to researchers and the general public alike.

All former Geneva bulletins will be listed here until they are out of print.

Single copies of publications are available free of charge to residents of New York State, to nonresident agribusiness people, and to non-residents engaged in research. The charge per bulletin for multiple copies is listed. Exceptions are all publications marked with a star (*); those have no free distribution.

Geneva's Bulletin Room keeps supplies of only the Geneva Station's publications. Use the form at the back of this list to order publications. Postage stamps are acceptable for payment of sums less than $1.00. Checks and money orders should be made payable in U.S. dollars to the New York State Agricultural Experiment Station (NYSAES).

Explanation of Symbols

Publications of the New York State Agricultural Experiment Station
Geneva

C - Circular
G - Geneva General Bulletin
T - Technical Bulletin
Misc (Geneva) - Miscellaneous Publication
RC - Research Circular
SRC - Seed Research Circular
SpR - Special Report
FLS - New York's Food and Life Sciences Bulletin
Sch - Search: Agriculture
AGRICULTURAL ENGINEERING

G 660 Use of graphite to prevent clogging of drills when sowing dusted pea seed Armond and Horsfall, 1936 (.20)

AGRONOMY

G 775 Soils and methods used in irrigation experiments at Geneva, New York Vittum and Peck, 1956 (.25)
T 193 Lysimeter investigations. II. Composition of rainwater at Geneva, New York, for a 10-year period Collison and Mersching, 1932 (.20)
T 237 Lysimeter investigations. IV. Water movement, soil temperatures, and root activity under apple trees Collison, 1935 (.25)
T 279 Physical land condition of the fruit breeding farm at Geneva, New York Secor, Carleton, and Lamb, 1947 (.20)
Sch 5 Soil and Air Temperature at Geneva, NY Gibbs, Barnard, Peck, and Vittum, 1980 (.50)
SpR 39 What are the odds on maximum and minimum temperatures in New York State? Vittum, Barnard, and Gibbs, 1981 (1.25)
SpR 42 Organic toxicants and pathogens in sewage sludge and their environmental effects Babish, Lisk, Stoewsand, and Wilkinson, 1981 (.50)

DAIRY SCIENCE

C155 Straining milk on the farm Dahlberg, 1935 (.20)
C197 Whipping light cream Dahlberg, 1943 (.20)
G 639 Temperature of milk immediately after milking, and strainer capacity Dahlberg and Durham, 1934 (.20)
T 117 Effect of lactic acid producing streptococci on flavor of cheddar cheese Hucker and Marquardt, 1926 (.20)
T 184 Rate of chemical change in milk brought about by certain lactic acid streptococci Kelly, 1931 (.20)
T 191 Thermophilic bacteria in milk pasteurized by the holder process Breed, 1932 (.20)
T 200 The influence of certain lactic acid streptococci on the chemical changes in cheddar cheese during ripening Kelly, 1932 (.20)
T 201 Lactic acid streptococci associated with the early stages of cheddar cheese ripening Kelly, 1932 (.20)
T 242 Methods of making cheddar cheese from milk with low curd tension Marquardt and Hucker, 1937 (.20)
T 253 Factors affecting the quality of limburger cheese made from milk heated to 145° F Yale, 1940 (.20)
T 257 Rate of rennet coagulation and curd tension of milk, with special reference to problems in cheese manufacture Marquardt and Needham, 1941 (.20)
T 259 Organisms causing rusty spot on cheddar cheese Pederson and Breed, 1941 (.20)
T 265 Ripening cheese in cans Dahlberg and Marquardt, 1942 (.20)
T 266 Gas production by cheddar and limburger cheese ripened in cans Dorn and Dahlberg, 1942 (.10)
T 268 The surface flora and the use of pure cultures in the manufacture of limburger cheese Yale, 1943 (.10)
T 269 Effect of pasteurization times and temperatures on certain properties and constituents of cream Hening and Dahlberg, 1943 (.10)
T 270 Coliform bacteria in cheddar cheese Yale and Marquardt, 1943 (.10)
T 271 Pasteurizing milk for cheese-making by direct steam Marquardt and Yale, 1943 (.10)

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G 702 Spraying and dusting experiments with bush lima beans on Long Island for control of the Mexican bean beetle Hucket, 1942 (.25)
G 715 Japanese beetle abundance and injury on sweet corn Carruth, Bartlett, and Adams, 1946 (.20)
G 732 Hooded booms for grape spraying Taschenberg, 1948 (.20)
G 823 Moth activity in Hudson Valley Orchards: Trapping records of seven pest species Dean, 1969 (.50)
G 828 Biology of the European chafer in northeastern United States Tashiro, Gyrisco, Gambrell, Fiori, and Breitfeld, 1969 (.75)

Misc Proceedings of symposium on potentials in crop protection (.50)
SpR 37 A bibliography of the seed maggots Hylemya spatura and H. florilega (Diptera: Anthomyiidae) Throne, 1980 (.65)
FLS 16 The European Chafer, a continuing lawn problem in New York Tashiro, 1972 (.45)
FLS 43 1973 sweet corn control report Straub, 1974 (.50)
FLS 44 1973 European red mite control evaluations Lienk and Minns, 1974 (.50)
FLS 49 Feasibility of fall armyworm, Spodoptera frugiperda (Smith), control on late-planted dent corn Straub and Hogan, 1974 (.50)
FLS 50 Green fruitworms Chapman and Lienk, 1974 (.90)
FLS 54 Protecting the tractor operator in the application of pesticidal chemicals Taschenberg, Minnick, and Bourke, 1975 (.50)
FLS 56 1974 Insecticide research report on cabbage maggot, seedcorn maggot, aphids on lettuce, and phytotoxicity in cucumbers Eckenrode, Robbins, and Webb, 1975 (.50)
Field research on control of vegetable insects in eastern New York - 1974 Straub and Huth, 1975 (.50)

Growth stages in fruit trees, from dormant to fruit set Chapman and Catlin, 1976 ($1.00) NO FREE DISTRIBUTION

Control of seedcorn maggot, cabbage maggot and cutworm (1975 insecticide research report) Eckenrode, Robbins, and Webb, 1976 (.50)

Using sticky traps to monitor fruit flies in apple and cherry orchards Leeper, 1978 (.75)

Evaluation of pesticides against the European red mite, apple rust mite, and two mite predators in 1976-1977 Lienk, Minns, and Labanowska, 1978 (.80)

Simplified rearing and bioassay for the seedcorn maggot, Hylemya platura (Meigen) Webb and Eckenrode, 1978 (.75)

The onion maggot and its control in New York Ellis and Eckenrode, 1979 (.50)


Extension-based tree-fruit insect pest management strategies for apple and pear Leeper, 1980 (.60)

Predicting cabbage maggot flights in New York using common wild plants Pedersen and Eckenrode, 1980 ($1.00)

Extension based tree and small fruit insect pest management strategies Leeper, 1980 (.85)

SCAMP - A computer-based information delivery system for cooperative extension Sarette, Tette, and Barnard, 1980 (.60)

Blister spot of apple Burr, 1982 (.40)

Cabbage growth stages Andaloro, Rose, Shelton, Hoy, and Becker, 1983 (.40)

Patterns of pesticide use on New York state produced sweet corn Straub and Heath, 1983 (.40)

Chem-News, an on-line pesticide information program Smith, Carruthers, and Barnard, 1983 (.75)


An improved screen cone trap for monitoring activity of flying insects Throne, Robbins, Eckenrode, 1984 (.70)

Diagnostic keys for identification of diseases on apple, peach, and cherry trees in the Northeastern United States Schwarz and Burr, 1984 (.70)

Preventing decomposition of agricultural chemicals by alkaline hydrolysis in the spray tank Seaman and Riedl, 1986 (.75)

Assessing the risk of Grape Berry Moth attack in New York vineyards Hoffman and Dennehy, 1987 (.75)
Effect of Winter Storage on Thrips Damage to Cabbage
Stoner and Shelton, 1988 (.75)

Laboratory rearing of the imported cabbageworm Webb
don and Shelton, 1988 (.75)

Basing European red mite control decisions on a census of
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(.75)

The role of nutrition in alary polymorphism among the
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A continuing search for effective cabbage maggot control in
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Aspects of the biology of the gray garden slug (Derceras
reticulatum Muller) Judge, 1972 (.55)

Chlordane-resistant Japanese beetle in New York Tashiro
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Evaluation of soil applied systemic insecticides on insects of
white birch in nurseries Tashiro, 1972 (.55)

The white apple leafhopper in New York: Insecticide
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Status of chlordane resistance in the Japanese beetle in New
York - 1973-1974 Tashiro, Straub, and Gaines,
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The importance of defining lepidopteran pheromone blends
Roelofs, 1976 (.50)

Effectiveness of various materials against the green house
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Seasonal occurrence of the European corn borer, (Ostrinia
nubilalis) Hubner, in the Hudson Valley District of New
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Integrated mite control in Hudson and Champlain Valley
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Reduced spray programs for apple pests in the Champlain
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Schadt, and Waters, 1976 (.55)

Phytophagous and predacious mites on apple in New York
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Flight periods of adults of cutworms, armyworms, loopers,
and others injurious to vegetable and field crops
Chapman and Lienk, 1981 ($2.00)

Effects of soil-applied postplant insecticides and nematicides
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Suppressing onion maggot in commercial fields and
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FOOD SCIENCE AND TECHNOLOGY

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G 672 Relation of age and viability to popping of popcorn Stewart, 1936 (.20)
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G 725 Relation of copper-containing fungicides to the ascorbic acid and copper content of tomato juice Robinson, Schroeder, Stotz, and Kertesz, 1947 (.20)
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G 742 Changes in the composition of maple sap during the tapping season Holgate, 1950 (.20)
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G 744 Effect of temperature upon bacteriological and chemical changes in fermenting cucumbers Pederson and Albury, 1950 (.20)
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G 768 Chemical composition and freezing adaptability of peach varieties grown in western New York Lee, Oberle, and Whitcombe, 1954 (.20)
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G 790 Symposium papers on "Food and Health", 1960 (.75)
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| T 281 | Effect of H-ion concentration and temperature on the activity of the quaternary ammonium compounds | Hucker, Stone, and Watkins, 1948 (.25) |
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| RC 17 | Analysis of effluents from fruit and vegetable processing factories | Splittstoesser and Downing, 1969 (.30) |
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Stripping of high-boiling aroma compounds from aqueous solutions Saravacos, Moyer, and Wooster, 1969 (.20)

Vineyard and cellar notes 1968-69 Robinson, Bertino, Einset, and Kimball, 1970 (.45)

Nutrition in the '70s - Fifth annual symposium, Western New York State Institute of Food Technologists, 1970 (.55)

Homemade fruit juice press Downing, 1972 (.40)

Environmental contaminants in foods - sixth annual symposium, Western New York State Institute of Food Technologists, 1972 (.45)

1972 Sauerkraut seminar - National Kraut Packers Assoc., 1973 (.45)

Fungi and foods - seventh annual symposium, Western New York State Institute of Food Technologists, 1973 (.50)

Fermented foods: current science and technology - eighth annual symposium, Western New York State Institute of Food Technologists, 1974 (.50)

1974 Sauerkraut seminar - National Kraut Packers Association, 1974 (.60)

Trends in packaging - ninth annual symposium, Western New York State Institute of Food Technologists, 1975 (.60)

A wine meeting for amateurs, 1976 (1.50)

The role of fiber in the diet - tenth annual symposium, Western New York State Institute of Food Technologists, 1976 (1.40)

1958-1973 vineyard and cellar notes Pool, Einset, Kimball, Watson, Robinson, and Bertino, 1976 (1.20)

1976 Sauerkraut seminar - National Kraut Packers Association, 1977 (.75)

Working with government regulations, eleventh annual symposium, Western New York Institute of Food Technologists, 1976 (.80)

1977 Nutrition Council seminar, 1977 (1.00)

1977 Apple seminar, 1977 (.50)

Proceedings - apple and pear scab workshop, 1978 (1.00)

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Controlling microorganisms in food processing Downing, ed., 1979 (.80)

Hard cider workshop Downing, ed., 1979 (.75)

Farm winery workshop Downing, ed., 1980 (.75)

Update on antimicrobial agents, fourteenth annual symposium Downing, ed., 1980 (.75)

1980 sauerkraut seminar - National Kraut Packers Association Downing, ed., 1981 (1.00)

The retort pouch - 1980's - fifteenth annual symposium, 1981 (.75)
Basic statistics, sixteenth annual symposium, Western New York Section - IFT, 1982

1982 Sauerkraut seminar Downing, ed., 1982

New technology for the food industry, 1983

Processed apples - research report for 1983 Downing, ed., 1983

Computer use in the food industry - a symposium Downing, ed., 1983

Gum and starch technology - Eighteenth annual symposium Downing, ed., 1984

Apple juice workshop Downing, ed., 1984

1984 Sauerkraut seminar Downing, ed., 1985

1985 Processed apple products workshop Downing, ed., 1985

Trends in packaging Downing and Hotchkiss, 1985


Rapid microbiological methods, twenty-first annual symposium Downing, ed., 1987

1987 Sauerkraut Seminar, Becker and Downing, ed., 1987

New horizons in the food industry Downing, ed., 1989

Free sugars in fruits and vegetables Lee, Shafterberger, and Vittum, 1970

Concentration of liquid foods in a pilot-scale falling film evaporator Saravacos, Moyer, and Wooster, 1970

Pesticide register Mack, 1971

Handling of red tart cherries for processing - A review Downing, Huehn, and LaBella, 1971

Physical treatments of food processing wastewaters Saravacos and Iredale, 1971

Experimental wine production Nelson, Acree, Robinson, Pool, and Bertino, 1977

Dietary vegetable and environmental health Stoewsand and Babish, 1979

Experimental distillation of New York State wines Saravacos and Iredale, 1972

A comparison of the amino acid and nitrogen content of pods and seeds of beans (Phaseolus vulgaris L.) Hackler and Dickson, 1973

Methodology for estimating heat losses in food processing plants Rao, 1976

Energy consumption for processing and packaging of apple products Anantheswaran, Rao, and Cooley, 1984
HORTICULTURAL SCIENCES

FRUIT:

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Proceedings, brown rot of stone fruit workshop, 1985 (1.25)

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