

Attendance High At Cornell's Field Day

GENEVA, N.Y. — Cornell University's 7th Annual Processing Sweet Corn and Snap Bean Field Day was Aug. 17 here at the New York State Agricultural Experiment Station's Vegetable Research Farm.

Guests came from the Northeast and Canada, and as far as away as Alabama and Idaho. Twenty-nine

guests representing the Ontario Growers Marketing Board came by motor coach from Ontario. There were seven seed company representatives, five vegetable processing representatives, and one bean broker from Delaware.

Also joining the field day were several local agri-business representatives and a few New York State growers, including Bill Har-

ris, an active member of the Processing Sweet Corn Research Association.

Seven Cornell Cooperative Extension Agents attended from as far away as Wyoming County. Twenty Cornell faculty and staff from the Ithaca and Geneva campuses attended to speak and support the field day activities, contributing to the day's success.

Steve Reiners, associate professor of horticultural sciences, acted as emcee. He welcomed the more than 100 people present and introduced each speaker.

Thomas Bjorkman, associate professor of horticultural sciences, Geneva, started the snap bean discussions with a presentation about solving the leftover phosphorous problem using ammonium and sodium bicarbonate release agents. Bjorkman and Reiners had acquired funding from the USDA for a two-year study.

Their presentation was followed by Alan Taylor, professor of horticultural sciences, Geneva, who spoke on seed aging and the effect of cold storage, presenting emergence data on seed quality decline and yield decline. He addressed cold/stress tests and seed lab work on germination and the development of current economic information for the growers.

George Abawi, professor of plant pathology, Geneva, spoke on

the management of Bean Root Rot and described his fungicide seed treatment trials along with information about the impact of subsoiling, rotation, and composting with and without cover crops.

Robin Bellinder, professor of fruit and vegetable sciences, Ithaca, spoke on regulatory information for herbicides, including the EPA rejection of Reflex. "There will soon be a complete registration for snap beans," she said. "It will help increase the number of tools in the toolbox for the growers."

Finally, research support specialist Jim Ballerstein, Geneva, led a walking tour of the snap bean trials and described the sieve size, yield, and quality data for each variety of snap beans. There were some excellent conversations among Ballerstein and seed specialists as they went through each variety. Cans of processed snap beans were displayed on a table near the field trial for a closer inspection of the finished product.

Margaret Smith, associate professor of plant breeding, Ithaca, started off the sweet corn trial portion of the afternoon. Smith specializes in field corn but has been able to transfer useful information to sweet corn programs that deal specifically with pest problems and leaf blight. She spoke about the European Corn Borer (ECB) resistance program at her field trials in Aurora, N.Y. She also ex-

plained nitrogen stress tolerances and the genetic work to develop a better sweet corn for the Finger Lakes Region.

Mike Hoffman, associate professor of entomology, Ithaca, spoke about Stewart's Wilt and the use of parasitic wasps as a release inoculant for integrated pest management to control the corn flea beetle.

Fred Musser, graduate student in entomology, Geneva, continued on the subject of the ECB and the use of parasitic wasps as an IPM control on the egg masses of the corn beetle. He also discussed use of Tracer and Success as insecticides, their effects on milkweed, and, in turn, their effect on the Monarch butterfly.

Bellerstein returned to provide information about pesticides and specific information from the EPA concerning sweet corn. She also talked about three new herbicides for sweet corn that will be available within the following year. She noted that Acton was good for Velvet Leaf and Aim may be used with 2-4-D for weed control.

Jim Ballerstein finished with a tour of the processing sweet corn trials, describing each variety to the many interested people who stayed until close to 5 p.m. Cans of processed sweet corn were also on display near the field trials for a closer inspection of the finished product.

USDA Protects 34 New Plant Varieties

WASHINGTON, D.C. — The USDA has issued certificates of protection to developers of 34 new varieties of seed-reproduced plants.

They include alfalfa, bean, chickpea, corn, lettuce, pepper, annual ryegrass, red fescue, perennial ryegrass, tall fescue, soybean, vinca, watermelon, and wheat.

The 34 certificates are being issued under the amended Plant Variety Protection Act. The amendments extend protection to F1 hybrids and tuber-propagated varieties and require that all protected varieties be sold by variety name. The certificates require not only that the varieties be new, uniform, and stable, as in the original act, but also that they be distinct. The owners will have the exclusive right to reproduce, sell, import, and export their products in the United States for 20 years.

The 34 certificates are:

- The DK127 variety of alfalfa, developed by Dekalb Genetics Corporation, Dekalb, Ill.

- The Nugget variety of bean, developed by Harris Moran Seed Company, Modesto, Calif.

- The Apache variety of bean, developed by Idaho Seed Bean Company, Twin Falls, Idaho.

- The Stan variety of chickpea, developed by Conagra Inc., Davis, Calif.

- The PHWT1, PH63B, PH67A, PH80B, PHFW4, and PH38B varieties of corn, developed by Pioneer Hi-Bred International, Inc., Johnston, Iowa.

- The Early Queen and Mid Queen varieties of lettuce, developed by Paragon Seed, Inc., Salinas, Calif.

- The Diamond variety of lettuce, developed by Coastal Seed, Inc., Salinas, Calif.

- The DMC 58-218 variety of pepper, developed by Del Monte Corporation, San Francisco, Calif.

- The Taurus variety of pepper, developed by Novartis Seed, Inc., Boise, Idaho.

- The Grazer variety of annual ryegrass, developed by United

States Department of Agriculture, Agricultural Research Service, Tifton, Ga.

- The SR 4300 variety of perennial ryegrass, developed by Seed Research of Oregon, Inc., Corvallis, Ore.

- The Wind Star variety of perennial ryegrass, developed by Pure-Seed Testing, Inc., Hubbard, Ore.

- The Nobility variety of perennial ryegrass, developed by Ampac Seed Co., Brownsville, Ore.

- The 2CB and Shademaster II varieties of perennial ryegrass, developed by Pure-Seed Testing, Inc., Hubbard, Ore.

- The Musen variety of soybean, developed by South Carolina Agriculture and Forestry Research System, Clemson, S.C.

- The Hartz Variety H 6255 variety of soybean, developed by Jacob Hartz Seeds Co., Inc., Stuttgart, Ariz.

- The 9254, 9611 and 9255 varieties of soybean, developed by Pioneer Hi-Bred International, Inc., Johnston, Iowa.

- The AG1901, AG2101 and A4922 varieties of soybean, developed by Asgrow Seed Company, Kalamazoo, Mich.

- The Lancer variety of tall fescue, developed by Pickseed West Inc., Tangent, Ore.

- The Pacifica Red variety of vinca, developed by Waller Flowerseed Company, Guadalupe, Calif.

- The W-9809 variety of watermelon, developed by Abbott & Cobb, Inc., Feasterville, Pa.

- The Solomon variety of wheat, developed by HybriTech Seed International, a unit of Monsanto Co., Berthoud, Colo.; and the Nora variety of wheat, developed by Jose Buck S.A., Buenos Aires, Argentina.

USDA's Agricultural Marketing Service administers the plant variety protection program, which provides marketing protection to developers of new and distinct seed-reproduced and tuber-propagated plants ranging from farm crops to flowers.



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