Brief History NY Processing

Brief Overview of 2013 Processing Variety Trials

2. Snap Bean (1988)

Questions at any time
Seneca Foods
Art Wolcott (1949)
Seneca Foods

Snap Beans, Beets, Carrots, Kraut

Sweet corn with Green Giant for a few years
History NY

Bonduelle (2012)
Allens (2009 – Pro Fac done)
Birdseye (2002)
Agrilink (1994)
Curtice Burns (Pro Fac – 1961)
New York Vegetable Industry
Quick View - 2012

National Level
- 5th – Fresh Market # of Acres
- 5th – Value

- 7th – Processing # of Acres
- 6th - Value
NY Processor and Growers Raise About $140,000 each year for Research
Overview NY

Peas – acreage 8-9000 acres
overall - sl below ave.
Early peas good
Late peas drowned
Overview NY
Snap Beans – 13500 acres
overall - ave. yields
Didn’t quite make pack
Water Issues
Virus
Overview NY
Sweet corn – 7000 acres
overall ave. yields
Not Quite Pack
Planting problems water and frost
Good Harvest Conditions
Variety Trial Program

- What is important for the crop
- Priority of criteria – Yield
- Market – Canned, Frozen.....
- Season – early peas, beans and corn - different adv. and disadv.
- Type – su corn and ss corn, large sieve beans and whole beans
Step One Pea, Bean and Sweet Corn Variety Trials

- Meet with the processors to discuss what entries they would like to see
- Send this list to seed companies
- Plot maps and packet seed for planting
Pea Variety Trial

44. Bolero
2013 Pea Cultivar Trial

- 59 Cultivars - 1155 to 1650 heat units
- Seed Companies – Brotherton, Crites, GV, Pure Line and Seminis
Pea Procedure

- Target planting date end of April
- 400 lbs 8-14-21 per acre
- Planter - Modified Hege 80
- Plot size 7 row by 30 feet
- Shoot for 550,000 seeds per acre
Pea Procedure Continued

- Randomized split block design
- Hand harvest (every day), machine shell, grade
- Model TG4EI Integrating Texture Gage (Tenderometer - Maturity)
- Process
Root Rot
Pea Sheller
Grade
Reading Tenderometer
Questions on Peas????

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Reports in back.
On to Snap Beans

Large sieve, 3-4 sieve, whole, wax and Romano
2013 Snap Bean Processing Cultivar Trials

Large Bean (22), 3-4 Sieve Bean (39), Whole Bean (10), Romano (3), Wax (3)

Seed Companies – A&C, Brotherton, Crites, Harris Moran, Pure Line, Seminis, Syngenta, Vilmorin
Snap Bean Procedure

Target planting date later May and 10 days apart from there.

350 lbs 10-5-10 with Mn and Zn P/A

Planter - Two Row Monosem

Plot size 1 row by 35 feet

Shoot for 110,000 seeds per acre
Snap Bean Procedure
Randomized split block design
Hand harvest and grade
Seed Size for Maturity Index
Process
Snap Bean Harvest

First harvest a day or two early
Harvest five feet per replication (every two days)
Seed size and yield curve
Field evaluation (plant habit ... )
Virus
Questions on Beans????

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Reports in back.
On to Sweet Corn
Sweet Corn Procedure


350 lbs 10-5-10 with Mn and Zn P/A
100 lbs of N sidedressed

Planter - Two Row Monosem

Plot size 2 rows by 40 feet

Shoot for 20,000 seeds per acre
Sweet Corn Procedure
Randomized split block design
Hand harvest and evaluation
Moisture for Maturity Index
Process
2013 Cultivar Trials

Sweet Corn

20 su types

29 yellow supersweets

2 bicolor supersweets

3 white supersweet
Sweet Corn Harvest

Su maturity about 72-75% moisture
SS maturity about 75-78% moisture
2 rows by 15 ft (single harvest – 4 reps)
15 ear subsample back to Raw Products for ear data
Field plant data
Process
Northern Corn Leaf Blight
Common Smut
????’s on Sweet Corn
Reports in the back of the room.
Field Day

Demonstration plots of all corn and beans in variety trials along with information on pea variety trial.
Cutting in November

Frozen peas

Canned and Frozen large sieve, 3-4 and Romano beans; frozen whole beans.

Frozen cob and cut kernel sweet corn (both su and ss types)
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ONTARIO PROCESSING VEGETABLE GROWERS

ONTARIO FOOD PROCESSORS ASSOCIATION
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