

**N. Y. S. 2004 PROCESSING SWEET CORN VARIETY
REPLICATED AND OBSERVATION (su and supersweet) TYPE) TRIAL SUMMARY**

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Additional Comments - Su type Replicated Entries

C144 - Early to midseason maturity, clean plant type, minimal rust infection, very good, uniform seed emergence; long, slightly tapered ears with good husk extension; not filled but uniformly so, very straight rows, medium to large kernels, shallow to medium kernel depth; good yield, very consistent over both plantings, overall ear rating was very good, shows very good potential for an early season cultivar.

GH 2041 - Early to midseason maturity, commercial standard, clean plant, no rust symptoms evident, a few smut galls on the plant above the ear, good husk extension, ears quite cylindrical, deep kernels should increase recovery, good yield, consistent over both plantings, good to very good overall ear rating.

Prelude - Early to midseason maturity, stout plant, moderate level of common rust infection, long ear shank, good husk extension and good tip fill, one poor replication in the second planting negatively affected the overall mean for ear size and yield, consistent over both plantings if this replication in the second planting would have been omitted, good to very good overall ear rating, pericarp somewhat tougher than GH 2041, some ears slightly oval, commercial acreage was grown.

HMX 3391 - Early to midseason maturity, clean plant type, low level of rust infection, good color, small kernels for this maturity group, pericarp somewhat tougher than standard GH 2041, overall ear rating was good to very good, possible potential.

HMX 2390 - Early to midseason maturity, clean, slightly zig zag stalks; low level of rust infection, slightly tapered ears, small, medium to deep kernels; ear uniformity might be an issue; tough pericarp, a few ears slightly oval, good yield in the first planting.

Dynamo - Early to midseason maturity, clean, stout plant; low to moderate level of common rust infection, good husk extension, long, tapered ears that did not fill, many ears were slightly oval, medium to deep kernel depth, a number of ears were curved, tough pericarp, lack of ear uniformity was also a major reason for the unacceptable overall ear rating.

HMX 1382 - Early to midseason maturity, low level of rust infection, long, slightly tapered ears with medium to deep kernels (less tapered than Dynamo), pericarp not as tough, ears not filled but better than Dynamo, yield in the second planting was negatively affected by delayed emergence, which resulted in a number of small ears that were not marketable; although small ears affected ear uniformity, I felt that this was a result of uneven emergence rather than a cultivar trait; has potential for yield and good recovery.

C123 - Midseason maturity, clean plant type, low to moderate level of rust infection, a few smut galls on the stalks, round, long ears with good husk extension; ears were not filled but uniformly so, medium to large kernels, shallow to medium kernel depth, very straight rows, very good yield, consistent over both plantings, good flavor and tender pericarp, good to very good overall ear rating, possible potential.

Additional Comments Continued: (Su type)

EX 5206 - Midseason maturity, slender plant with moderate to severe rust infection, very cylindrical ears with very long husk extension, good tip fill on most ears, some ears slightly oval, good yield, consistent over both plantings, good to very good overall ear rating.

XP 2418 - Midseason maturity, low level of rust infection, long, cylindrical ears with small kernels; a few curved ears noted in the first planting; pericarp somewhat tough, has potential for yield (yield in second planting negatively affected by two replications that were harvested quite young), very good overall ear rating, consistent over both plantings, good potential.

Coho - Midseason maturity, plants quite zig zag, low level of rust infection, short, round, cylindrical ears with very good to excellent fill; very long husk extension, medium to deep kernels, very good yield and ear uniformity,

pericarp a little tough, lower plant population in the second planting resulted in many marketable second ears; very good overall ear rating, excellent potential if plant type does not affect harvest.

Additional comments su type continued:

C83 – Midseason maturity, low to moderate level of rust infection, long, slightly tapered ears with good husk extension; ears did not fill but uniformly so, medium to large kernels, very straight rows, ear uniformity hurt overall ear rating, tender pericarp, good color, decent yield, consistent over both plantings, good potential.

Powerhouse – Midseason maturity, clean plant type, low level of rust infection, long, cylindrical, large diameter, heavy ears with good husk extension; good rowing, small to medium, deep kernels; should recover well, tender pericarp, lower plant population in the second planting did not result in a marketable second ear and lowered yield, quite consistent over both plantings, very good overall ear rating, may be too large in diameter for cob market unless harvested early, has good potential especially for cut corn.

GH 2669 – Midseason maturity, clean plant, no rust symptoms evident, round, cylindrical ears with medium to deep kernels; marginal husk extension, small to medium kernels, very good ear uniformity and excellent fill, good yield, very consistent over both plantings, very good potential.

GH 2385 – Midseason maturity, clean plant, no rust symptoms evident, marginal husk extension, very good to excellent ear uniformity, round, cylindrical ears with medium to deep kernels; very good to excellent fill, best overall ear rating, good yield, quite consistent over both plantings, excellent potential.

Bonus – Mid to mainseason maturity, mainseason commercial standard, stout plant, minimal rust infection, short ears with good husk extension, very good ear uniformity, round, cylindrical ears with small, medium to deep kernels; tough pericarp, good to very good overall ear rating, decent yield, quite consistent over both plantings.

GH 9597 – Mid to mainseason maturity, no rust symptoms evident, Bonus type ear, husk extension minimal in the first planting and adequate in the second, good fill, high row count, very good ear uniformity and overall ear rating, pericarp a little tough, quite consistent over both plantings, good potential.

Maestro – Mid to mainseason maturity, low to moderate levels of rust infection, long husk extension, large diameter, heavy, slightly tapered, round ears with medium size kernels; good color, possibly too large in diameter for cob corn, ear uniformity a possible issue, pericarp a bit tough, good yield, consistent over both plantings, possible potential for cut corn.

Additional Comments Continued: (Su type)

GH 9589 – Mid to mainseason maturity, tall plants, no rust symptoms evident, long husk extension, ears did not fill but uniformly so; round, quite cylindrical, heavy ears with small to medium size kernels; uniformity a possible issue, good yield in the first planting (lower population hurt yield in the second planting, good flavor, good to very good overall ear rating.

C126 – Mid to mainseason maturity, low level of rust infection, very long, heavy, tapered ears with medium to deep kernels; not filled but uniformly so; tender pericarp, some slightly curved ears noted (these ears were slightly oval too), very consistent over both plantings; excellent yield, good to very good overall ear rating; too tapered for cob market but tremendous potential for cut corn.

C62 – Mid to mainseason maturity, stout plant, low level of rust infection, long husk extension and very good ear fill, slightly tapered, round ears with medium to deep kernels; very straight rows, very good ear uniformity and overall ear rating, good yield, pericarp a bit tough, very consistent over both plantings.

C99 – Mid to mainseason maturity, low to moderate level of rust infection, long husk extension with very good tip fill, long, large diameter, heavy, tapered ears with deep kernels; high row count, a few oval ears were noted, very good ear uniformity, good to very good overall ear rating, pericarp a bit tough, some ears appeared to lose a row halfway down the ear, seed germination might be a concern with this cultivar (it was hand planted), yield would have been higher with higher plant population, very consistent over both plantings, excellent potential for cut corn.

GH 5704 - Mid to mainseason maturity, only planted in the second planting, ears not filled, large diameter, cylindrical, round ears with deep kernels; potential for cut corn, needs to be evaluated again.

Additional comments (Supersweet type)

Sure Gold – Mid to mainseason maturity, commercial standard, short, cylindrical ears with good husk extension; medium kernel depth, a few ears slightly oval, very good ear uniformity, good to very good overall ear rating.

GSS 8357 – Mid to mainseason maturity, long husk extension, slightly tapered, large diameter, heavy ear with medium to deep kernels; very good ear uniformity, a few ears slightly oval, good yield, good to very good overall ear rating.

EX 8117 – Mid to mainseason maturity, short, large diameter ears with medium depth kernels; a few slightly oval ears were noted, very good tip fill and ear uniformity, good yield, good to very good overall ear rating.

SS Jubilee – Mid to mainseason maturity, round, cylindrical ears with minimal husk extension; ears did not fill, tender pericarp, medium kernel depth, yield was hurt by a low ears per plant ratio (one replication was discarded due to wet spot but another replication was almost as bad), this also affected ear uniformity.

Megaton – Mid to mainseason maturity, very long, slightly tapered ears with shallow to medium depth; good husk extension, ears did not fill, long ear shank, straight rows, very good ear uniformity.

GSS 8388 – Mid to mainseason maturity, some barren plants and also some plants that had double ears, good husk extension, short, slightly tapered, round ears with medium to deep kernels, medium to large kernels, decent yield, possible potential for cut corn but kernel size may be too large for cob.

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NEW YORK STATE 2004 PROCESSING SNAP BEAN CULTIVAR TRIAL REPORT

Large Sieve Bean – 4 Sieve Bean – Whole Bean

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Additional Comments Large Sieve Beans

SB 4261 – Early season, plant type somewhat recumbent at harvest, made a large percentage of five and six sieve pods, round to creased pods, good yield.

XP633 – Early season, acceptable plant habit, dark green, round to creased pods, high percentage of five sieve pods, possibly some hint of fiber, good yield.

XP670 – Early season (possibly one day later than 633), slightly less upright than 633, dark green, round pods, less five sieve pods and not quite the yield that XP633 had, possibly some fiber.

Zeus – Early season, acceptable plant habit, medium to dark green, round to oval pods, possibly slight fiber, good yield, best overall rating in the canned evaluation.

Rambo – Early to midseason, plant habit somewhat recumbent, dark green, round to oval, rough, curved pods; strong flavor, hint of fiber, high percentage of five sieve pods, very good yield.

SB4263 – Midseason, acceptable plant habit, dark green, round, smooth, straight pods; seed size seems to increase faster than some.

HMX 2950 – Midseason maturity, upright plants, dark green, long, round, straight pods.

PLS 88 – Mid to main season maturity, acceptable plant habit, although in past years it has been more recumbent; round, medium green pods; slightly less than optimum plant populations, this cultivar will sit in the field without becoming overmature (based on multiple years observations), yield improves if given that extra few days in the field.

Hystyle – Mainseason standard, acceptable plant habit, round to creased pods, slow seed size increase, quite uniform pod length, consistent, good yield.

Titan – Mainseason maturity, good plant habit, medium to dark green, round to creased, straight pods; high percentage of 4 sieve pods, good yield.

Keeper – Mainseason maturity, good plant habit, long, dark green, round, straight pods; slow seed size increase, plant population slightly less than optimum, good yield.

Honker – Mainseason maturity, acceptable plant habit, medium to dark green, straight, round to creased pods, slow seed size increase, good yield.

Wax Observation Entries

Yellowstone – Mid to mainseason maturity, tall, upright plant; high percentage of 5 sieve pods, straight, long, uniform, round to oval pods held high on the plant; did not yield well.

703 – Mid to mainseason maturity, acceptable plant habit, round pods, smaller pods quite green, mainly a four sieve bean, possibly better plant habit than Goldmine.

Additional Comments Four Sieve Beans:

EX 733 – Early season maturity, erect plant habit, dark green, round, straight pods; hint of fiber.

Dart – Early season maturity, tall plant with very good plant habit, medium green, round, straight pods; good yield, nice overall plant and pod.

Contare – Early season maturity, a three sieve bean, recumbent plant habit, medium green, round, very straight pods found high on the plant.

SB 4264 – Midseason maturity, acceptable plant habit, very dark green pod color, long, straight, round to creased pods; good yield.

Igloo – Midseason maturity, commercial in NY for many years, good plant habit, long, dark green, round to creased pods; good yield.

SB 4252 – Early to midseason maturity, three-four sieve bean, plant habit slightly recumbent, medium green, short, straight, round pods; good yield, very consistent performer over the past three years.

Caprice – Midseason maturity, erect plant habit, very dark green, round, straight pods; hint of fiber, decent yield.

Warrior – Mainseason maturity, three sieve bean, erect plant habit, very dark green, round, straight pods found high on the plant; good yield, overall good plant and pod.

Green Arrow – Mainseason maturity, erect plant habit, dark green, round, straight pods; good yield, overall good plant and pod.

Matador – Mainseason maturity, erect plant habit, very dark green, long, straight, round pods; good yield.

Wax

Sonesta – Midseason maturity, three sieve type, acceptable plant habit, heavy set of pods, round to oval, straight pods; very uniform color, good yield.

Observation Entries Romano Type

Roma II – Medium to mainseason maturity, recumbent plant habit, medium green pods.

Cerler – Mainseason maturity, acceptable plant habit, light to medium green pods.

Navarro – Mainseason maturity, acceptable plant habit, medium green pods, seed size increase does not appear to be correct. Possibly an error was made or there was a slight split set. Percentages of sieve type do not indicate a split set.

Romano 942 – Mainseason maturity, although it had the best plant habit of the group, the pod had the most fiber; medium green pods.

Tapia – Mainseason maturity, a little better than acceptable plant habit, light to medium green pod color.

Ebro – Mid to mainseason maturity, acceptable plant habit, medium to dark green pods, picked a little easier than Tapia.

Additional Comments Whole Bean Type

Masai – Midseason maturity, two sieve bean, very erect plant habit, short, dark green, round, very straight pods found high on the plant; good yield.

Opera – Midseason maturity, two sieve bean, erect plant habit, dark green, round to oval, very straight, uniform pods found high on the plant; good yield, very attractive processed product.

SB 4277 – Early to midseason maturity, very small sieve bean (1-2 sieve bean), erect plant habit, medium to dark green, long, round to oval, very straight pods found high on the plant; good yield for such a small sieve bean, internal pod degradation quite rapid once mature.

Cadillac – Mid to mainseason maturity, mainly 2 sieve bean with a few three sieve, seemed to hold well in the field, excellent plant habit, dark green, short, uniform, shiny, round, very straight pods; good yield.

Excalibur – Mainseason maturity, three sieve bean, very good plant habit, very dark green, long, round, straight pods found high on the plant; many pin sized pods on the plant at final harvest, very good yield.

Dandy – Mid to mainseason maturity, three sieve bean, decent plant habit, medium green, round, straight pods; consistent good yield.

Sumo – Mainseason maturity, deceptively late season (looked ready sooner), very good plant habit, dark green, round to creased, very straight pods found high on the plant; good yield.

Slenderpack – Mainseason maturity, three sieve bean that can make a percentage of 4 sieve beans, good plant habit, very dark green, long, round, shiny, straight pods; consistent good yield.

EX 1265 – Midseason maturity, 2 sieve bean, short, erect plant; dark green, round, very straight pods.

SB 4279 – Early to midseason maturity, 2 sieve bean, excellent plant habit, dark green, round, uniform, straight pods found high on the plant.

SB 4265 – Midseason maturity, 2 sieve bean, excellent plant habit, dark green, long, round, very straight pods found high on the plant; good yield, has looked good each of the past three years.

#835 – Midseason maturity, mostly 2 sieve with a small amount of three sieve pods, excellent plant habit, dark green, short, round, very straight pods; good yield.

Skipper – Midseason maturity, very small sieve (1-2 sieve), very good plant habit, dark green, long, straight, round pods; seemed to hold in the field, decent yield for the sieve size.

Koala – Midseason maturity, 2 sieve bean, short, very erect plant; dark green, round to oval, straight pods found high on the plant, potential for good yield.

Clarion – Mainseason maturity, 2 sieve bean, erect plant habit, dark green, short, round, very straight pods; seemed to hold in the field, good yield.

Kylian – Mainseason maturity, 2 sieve bean, excellent plant habit, dark green, round, very straight pods found high on the plant; good yield.

Canzone – Mid to mainseason maturity, mostly 2 sieve with a small amount of three sieve, short, erect plant, medium to dark green, short, round, uniform, very straight pods.

Wax - EX 662 – Early to midseason maturity, 2 sieve wax bean, acceptable plant habit, short, oval, very straight pods; uniform color, good yield.

Wax - EX 661 – One to two days later than EX662, 2 sieve wax bean, acceptable plant habit, oval, very straight pods; pods a little longer than EX 662, uniform color, good yield.

Wax - Soleil – Mid to mainseason maturity, 2 sieve bean, acceptable plant habit, round to oval, straight pods; uniform golden yellow, inchmarks more evident as it became mature, good yield.