

New Sweet Corn Stays Sweet

Fresh sweet corn may some-
times hold its "just picked"
sweetness for a week after
harvest, say scientists at the
Agricultural Experiment Sta-
tion at the Pennsylvania State
University.
The research center reports

that Roy G. Creech and Frank
J. McArdle, experimenting in
fields of vegetable plant breed-
ing and food processing, have
found kernels from several
lines of sweet corn that hold
their high sugar content and
low starch for many days after
harvest.

Standard sweet corn hybrids,
shipped long distances even
under refrigeration, lose much
of their sweetness by the time

they reach the consumer, point
out Station officials.

With sweet corn harvesting
now in full swing at Penn
State's Horticultural Research
Farm near Pine Grove Mills,
Dr. Creech and Dr. McArdle
are testing several experimen-
tal lines of corn having less
than half the starch content
of varieties now grown. They
are studying the genetic con-
trol of sugar and starch syn-
thesis in corn endosperm in a
search for genes and gene
combinations affecting sugar-
retaining qualities.

The next step, says Dr.
Creech, is to breed these low
starch, high sugar genes into
new sweet corn hybrids. Five
years are needed to develop a
new strain — even with the
use of mutant genes which are
a short-cut method of induc-
ing new traits for high sugar,
low starch.

● Dairy Bulls

(Continued from Page 1)

steers, the 800-pound cattle
ate 32 percent less feed than
those weighing 1,000 pounds
and reached slaughter weight
87 days sooner.

Holstein-Friesian bulls and
steers were used in the ex-
periments, Dr. Nichols pointed
out, due to their popularity
as dairy animals and lack of
previous research comparing
meat production between Am-
erican-type Holstein bulls and
dairy steers. Eating quality of
the beef from bulls has equal-
ed that from steers, buyers
have reported.

Bulls were found superior to
steers, Dr. Nichols added, in
having the highest percentage
of desirable cuts — chuck,
round, rib, and loin. Nichols
said the bulls had a greater
percentage of rib eye than the
steers, especially at the 800
pound weight.

● Livestock Tour

(Continued from Page 1)

ture corn feeding, many mech-
anical means of handling feed-
ing materials and manure and
practical methods of produc-
ing beef and pork and lower
costs. Sugar beet growing and
harvesting will also be obser-
ved. We will lodge in the Fre-
mont, Ohio, area on Wednes-
day night.

"The itinerary for Thurs-
day, October 24 calls for one
cattle feeding stop at the Bill
Warner farm, Vickery, Ohio
(recently remodeled barns
with two 20' x 50' tower silos)
and then head east on the

Turnpike for Lancaster. We
should arrive back in Lancas-
ter between 10:00 p.m. and
midnight.

"The purpose of this tour
will be to observe modern hog
and cattle feeding operations;
many automatic and labor-sav-
ing devices will be seen in ac-
tion. Also, the mid-western
meat producers have lower
production costs than most
eastern feeders; we must be
interested in learning how this
is done in order to stay in
business. Here is an opportu-
nity to learn what is being done
in other parts of the country,"
Smith said.

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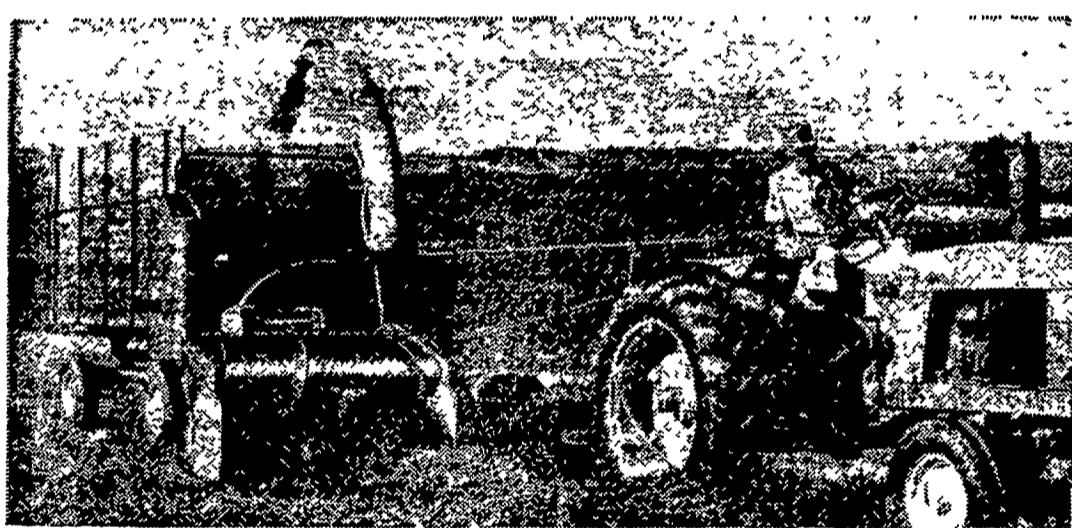
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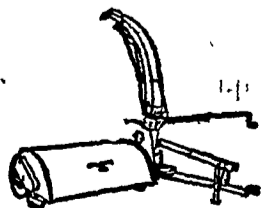
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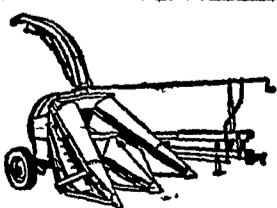
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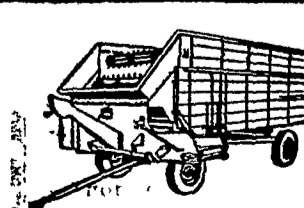
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