

OHIO AGRICULTURAL EXPERIMENT STATION  
Vegetable Crops Substation, Marietta, Ohio

Department of Horticulture Mimeograph No. 163  
January 28, 1958

EARLY CABBAGE VARIETY TRIALS - 1957

Walter N. Brown<sup>1</sup>

Three new varieties of cabbage, Vanguard, O.S. Cross Hybrid, and C.C. Cross Hybrid were included in the 1957 trials. These were compared with five other varieties or strains of varieties for their suitability as early fresh market cabbage. The results are shown in the attached table.

CULTURAL INFORMATION

Seed sown: February 11 in sash houses and plants field set  
April 11.

Fertilizer: 1100 lbs/acre of 12-3-12 plus 4.1 lbs/acre actual Boron broadcast and disked after plowing. One side dressing of ammonium nitrate approximately 2 weeks after field setting.

Starter Solution: 3 lbs/50 gal. of 10-52-17 in transplanting water.

Spacing: Rows spaced 36" apart with plants 12"-14" in the row, approximately 37 plants per single row plot of 42' randomized and replicated six times.

Date of first harvest: June 15, 1957

SOURCES OF SEED

<u>Symbol</u>	<u>Source</u>
H1	Joseph Harris Company, Rochester 11, New York
R1	Robson Quality Seeds, Inc. Hall, New York

GENERAL COMMENTS

Of the three new varieties, C.C. Cross Hybrid was outstanding in uniformity of head size, shape and maturity. It was 3-5 days earlier than any other variety. Heads solid, dark green external color, fine texture and of excellent quality. Holds well.

O.S. Cross Hybrid - a Flat Dutch type with large solid heads, extremely uniform and vigorous. Too late for the Southeastern Ohio early market area.

Vanguard - an extremely high quality finely savoyed cabbage of deep blue-green color. Very mild in flavor, exceptionally succulent and tender. Maturity about 6 days later than Golden Acre. Heads solid and uniform. Very susceptible to Imported Cabbage Worm in this trial. Probably too succulent and tender to ship well, but adapted to local and roadside markets.

Greenback - a relatively new variety about 2 weeks later than Golden Acre. Excellent quality, solid and withstands handling well. Probably best as a late summer or fall cabbage.

---

<sup>1</sup> Department of Horticulture, Ohio State University, Columbus 10, Ohio

CABBAGE VARIETIES  
Vegetable Crops Substation O.A.E.S.  
Marietta, Ohio 1957

VC - 57 p. 1

( 6 Replications )

Variety and Lot Number		Source	Number of Days to First Harvest	Yield per Acre	Average Head Weight	Firm Heads Harvested	Polar Diameter	Equatorial Diameter	Shape Index (Polar/Equatorial)	Shape of Head	Length of Core	Plant Diameter	Height of Stem	General Uniformity (1-5)	Uniformity of Maturity	Solidity (1-5)	Remarks
				tons	lbs	%	in.	in.		in.	in.						
1.	Golden Acre Special 1562	H	67	21.2	3.64	93.0	6.6	6.7	0.99	Globe	3.3	23.3	M	5	5	5	Extremely Unif. in size, shape & maturity.
2.	Golden Acre Y. R. 1575	H1	67	20.0	3.56	90.6	6.7	6.7	1.00	Globe	4.0	23.7	M	4	3	5	2nd best in test. Heads sl. larger than desired.
3.	Greenback Y. R. 1578	H1	73	15.4	2.92	84.3	6.7	6.4	1.04	G to O	3.3	32.6	M	3	5	5	Round Dutch type.
4.	Badger Mkt. 1569	H1	67	16.0	2.76	91.7	7.4	6.7	1.12	O to P	3.8	24.9	M	4	3	4	High percentage of pointed heads.
5.	Vanguard 1580	H1	67	13.7	2.67	83.9	6.9	6.8	1.10	Oral	4.0	28.9	M	4	4	5	Savoy, high quality. Susceptible to worms
6.	Red Acre 1579	H1	67	13.6	25.3	86.9	7.2	6.3	1.15	G to O	3.2	30.9	M	5	3	5	Variable maturity. Solid heads
7.	O. S. Cross Hybrid 2506	R1	81	32.5	6.01	87.4	7.2	11.4	0.63	Flat	3.2	41.6	M	5	5	4	Large Flat Dutch type. Too late for area.
8.	C. C. Cross Hybrid 2516-2	R1	64	20.4	3.74	86.6	7.1	6.9	1.03	Globe	4.1	24.7	S	5	5	5	Extremely Unif. 3-5 days earlier than G. A. Spec.
L. S. D. @ level				2.2													