

Resume: The 1980 National Central Tested Barrow Show\*

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The Minnesota Pork Producers' Association erected a new construction which consists of a 30' x 280' feeding building with an attached 40' x 60' office/show arena. There are 32 test pens, measuring 8' x 25' which are designed to hold 20 to 25 barrows. Three additional pens are used for working pens. On May 16-17, 1980, 781 barrows were delivered to the New Ulm test station from 27 different states. The average age of all barrows was 69 days with an average weight per day of age being .776 pounds. The average weight on test was 53 pounds.

At the conclusion of the 98 day test, 430 barrows weighed more than 190 pounds, or had gained more than 1.3 pounds per day. In addition, barrows were scored for soundness of feet and legs by a judging committee. This committee was comprised of Dr. Jerry Hawton, University of Minnesota, Bruce Engnell, Macomb, Illinois, Charles Wieland, Stillwater, Oklahoma, and Tony Burke, Geo. A. Hormel & Company, Austin, Minnesota. All barrows which were scored "1" as unsound were not eligible for the Production Barrow Carcass Contest.

Production Tested Barrow Test Resume

Breed	Number Starting Test	Number Off Test	% Off Test	No. 1 Soundness	% No. 1 Soundness	No. Less 1.30# A.D.G.	% Less 1.30# A.D.G.	% Barrows Off Test & Meeting Carc. Cert. Standards	% Barrows Starting Test & Meeting All Standards
Crossbred	79	66	83.5	3	3.7	14	17.7	54.5	45.5
Berkshire	44	27	61.3	5	11.3	17	38.6	44.4	27.2
Chester White	79	33	41.7	12	15.1	46	58.2	33.3	13.9
Duroc	156	93	59.6	23	14.7	63	40.3	49.4	29.4
Hampshire	101	43	42.5	9	8.9	58	57.4	79.0	33.6
Landrace	61	34	55.7	12	19.6	27	44.2	17.6	9.8
Poland China	60	41	68.3	7	11.6	21	35.0	43.9	30.0
Spotted	80	46	57.5	19	23.7	34	42.5	45.6	26.2
Yorkshire	97	47	48.4	9	9.2	51	52.5	25.5	12.3
<b>Totals</b>	<b>757</b>	<b>430</b>	<b>56.8</b>	<b>99</b>	<b>13.0</b>	<b>331</b>	<b>43.7</b>	<b>45.5</b>	<b>25.8</b>

All barrows entering the Carcass Contest must meet a minimum standard set by the show carcass officials. The Carcass Contest Committee was Dr. Richard Epley, University of Minnesota, Tom Carr University of Illinois, and Jerry Adwell, Geo. A. Hormel & Co., Austin, Minnesota.

The carcasses were disqualified if they didn't meet minimum certification standards at 220 pounds of:

- Minimum carcass length.....29.0 inches
- Maximum 10th rib fat depth..... 1.3 inches
- Minimum loin-eye area..... 4.5 square inches
- Minimum quality score..... 1.5

In addition, carcasses which had excessive trim, arthritis, or were ridglings, were eliminated from carcass competition.

1980 National Barrow Show Carcass Contest Disqualification Summary

Breed	Length	10th Rib Backfat	Qual. Score	Loin-Eye	Judges Disq.	Disq. Entries	Total Entries
Crossbred	2	18	2	22	4	30	66
Berkshire	1	8	1	12	0	15	27
Chester White	1	9	0	19	2	22	33
Duroc	0	11	4	38	2	45	93
Hampshire	0	0	2	6	0	8	43
Landrace	0	17	2	25	2	28	34
Poland China	4	5	8	7	4	23	41
Spotted	0	7	1	21	1	25	46
Yorkshire	0	10	2	28	3	35	47
Total	8	85	22	175	18	231	430

Following is an all breed comparison of all pigs that made live growth and soundness standards and carcass show standards.

All Breed Comparison

DIVISION	NUMBER	ADJ LIVE WT	CARC WEIGHT	LENGTH	10TH RIB BACKFAT	QUALITY SCORE	LOIN EYE	ADG	LEAN GAIN ON TEST	SOUND SCORE	TOTAL SCORE	AGE AT 220 LBS.
HAMPSHIRE	43	207.0	150.7	31.0	0.80	2.6	4.92	1.54	63.22	2.34	64.27	173
CROSSBRED	62	222.0	162.6	31.2	1.10	2.8	4.79	1.63	62.36	2.22	63.04	165
DUROC	91	210.0	153.4	31.2	0.97	2.6	4.60	1.60	61.23	2.17	61.76	171
BERKSHIRE	27	212.0	155.2	30.7	1.12	2.9	4.64	1.56	60.58	2.22	61.24	170
SPOTTED	45	217.0	158.5	31.4	1.09	2.6	4.58	1.60	60.66	2.02	60.73	168
POLAND CHINA	37	217.0	158.8	30.4	1.03	2.1	4.88	1.53	59.98	2.18	60.55	169
YORKSHIRE	44	207.0	151.2	31.9	1.01	2.7	4.10	1.55	57.23	2.20	57.85	172
LANDRACE	32	215.0	156.9	31.9	1.27	2.6	4.08	1.59	55.88	2.15	56.35	167
CHESTER WHITE	31	215.0	157.3	30.7	1.17	3.0	4.22	1.52	53.82	2.06	54.01	170
AVERAGE	412	213.0	156.0	31.2	1.04	2.6	4.57	1.58	59.99	2.18	60.54	170

\*Materials edited by C. J. Christians, editor, from John Phillips' presentation and Hormel Farmer Magazine, Vol. XXXV No. October 15, 1980