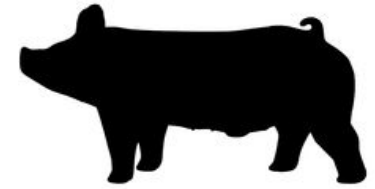


2024 ILLINOIS STATE FAIR



Junior and Open Pork Premiere Carcass Rankings

Congratulations to all exhibitors who participated in the 2024 Illinois State Fair pork carcass show. Special recognition is given to all Premiere exhibitors and to those people who supported the Premiere program by organizing and conducting pig tattooing and weighing sessions.

Thirty-one hogs were delivered to Behrmann's Packing Company in Albers Illinois. We greatly appreciated everyone cooperating with the loading of the animals Sunday after the show.

A very special thanks is extended to Behrmann's Meats and the University of Illinois Meats Lab for the coordination and assistance given to us for the harvesting of the hogs. In addition, a special thanks to the efforts of Dan Jennings, Ellie Burris, and Justene Jennings, who made the collection and analysis of carcass data run so smoothly. We also would like to recognize the University of Illinois Extension personnel for their continued involvement and leadership in Illinois youth livestock programs.

Pork Carcass requirements for the Illinois State Fair are the following:

- 1) *Hot carcass weight of at least 170 pounds.*
- 2) *Minimum 10th rib fat thickness of 0.50 inches.*
- 3) *10th rib fat depth, and loin eye area based on the following hot carcass weights:*

| | Hot Carcass Weight | | | |
|--|---------------------------|-----------------------|-----------------------|------------------------------|
| | <u>170-189</u> | <u>190-209</u> | <u>210-229</u> | <u>230 & over</u> |
| 10th rib fat depth, max. in. | 1.0 | 1.15 | 1.30 | 1.45 |
| Loin eye area, min. square in. | 6.00 | 6.50 | 7.00 | 7.50 |

Carcass Superintendent: *Dan Jennings*

Carcass Assistants: *Ellie Burris, Justene Jennings*

Justification for Pork Carcass Evaluation Modifications

I. **Minimum Hot Carcass Weight:**

Minimum hot carcass weight was raised to 170 pounds. A majority of the packers are currently discounting carcasses weighing less than 170 pounds. A live market hog weighing 220 pounds and dressing 78 percent should yield a 170 pound carcass.

II. **Minimum 10th rib fat thickness of 0.50 in.:**

A major problem with carcasses having 10th rib fat of 0.50 in. or less is belly thickness. Excessively trim pork carcasses yield thin bellies that cannot be normally processed into high quality bacon. Thin bellies have to be utilized in further processed products (bacon bits and trim) at a substantial discount.

III. **Maximum tenth rib fat and minimum loin eye area requirements:**

Maximum tenth rib fat and minimum loin eye area requirements have been changed to coincide with industry standards. The reduction in 10th rib fat and increase in minimum loin eye area also raises the compositional targets for Illinois pork producers. Much progress has been made in reducing fat and increasing muscling in Illinois hogs. We need to continue that emphasis and progress.

IV. **Quality Evaluation:**

The NPPC quality standards for color, marbling, and firmness will be adopted. These quality standards were developed in cooperation with meat industry personnel, university researchers and educators as well as pork producers. Pork carcasses with specific values for color (less than 2.0 and more than 6.0), marbling (greater 6.0), and firmness (1) will be disqualified since the lean possessing such values will have reduced manufacturing and merchandising characteristics.

2024 ILLINOIS STATE FAIR SWINE PREMIERE RESULTS

| Program By: | | | | | | | | | | | | | | | | | | |
|------------------------|-----|--|------|------|-----|------|-----|------|------|---------|----------|---|---|------------|--------|------|----------|------|
| Daniel J.Jennings | | Pork Carcass Premiere Program for lbs. of Lean Gain Per Day and Pork Quality | | | | | | | | | | | | | | | | |
| University of Illinois | | | | | | | | | | | | | | | | | | |
| 815-218-4358 | | | | | | | | | | | | | | | | | | |
| NAME | TAT | Brd. | Live | Int. | Hot | | | 10th | | | LBS Lean | | | JR | JR LOL | Open | Open LOL | |
| | | | Wt. | Wt. | DOT | ADG | Wt. | Rib | LEA | Leangth | C | M | F | Gain | Rank | Rank | Rank | Rank |
| #DIV/0! | | | | | | | | | | | | | | | | | | |
| Hardin Adelyn | 21 | X | 294 | 27 | 143 | 1.87 | 218 | 0.5 | 10.1 | 35.5 | 4 | 1 | 2 | 0.80017133 | 1 | | 1 | |
| Hayes Brett | 17 | H | 282 | 15 | 146 | 1.83 | 215 | 0.52 | 9.8 | 35 | 4 | 1 | 2 | 0.79935671 | 2 | 1 | 2 | 1 |
| Hardin Adelyn | 22 | Y | 281 | 25 | 136 | 1.88 | 213 | 0.7 | 9.8 | 34 | 3 | 1 | 2 | 0.79157941 | 3 | 2 | 3 | 2 |
| Hayes Craig | 25 | H | 272 | 15 | 146 | 1.76 | 212 | 0.53 | 8.4 | 34 | 5 | 1 | 2 | 0.75948712 | 4 | 3 | 4 | 3 |
| Miller Kathy | 33 | D | 251 | 27 | 117 | 1.91 | 186 | 0.77 | 8 | 35 | 2 | 2 | 2 | 0.74634256 | | | 5 | 4 |
| Miller Darvin | 31 | D | 246 | 24 | 117 | 1.9 | 179 | 0.71 | 7.6 | 34 | 2 | 4 | 3 | 0.73019521 | | | 6 | 5 |
| Hardin Brayden | 20 | Y | 254 | 18 | 136 | 1.74 | 189 | 0.6 | 8.5 | 33.5 | 3 | 1 | 2 | 0.71841103 | 5 | 4 | 7 | 6 |
| Titus Reagan | 7 | Y | 294 | 18 | 147 | 1.88 | 226 | 1 | 8.3 | 35.5 | 2 | 1 | 2 | 0.71802381 | 6 | 5 | 8 | 7 |
| Dare Maddox | 15 | D | 288 | 18 | 146 | 1.85 | 205 | 0.76 | 9.2 | 34 | 4 | 1 | 3 | 0.71057562 | 7 | 6 | 9 | 8 |
| Reeser Garrett | 10 | X | 253 | 28 | 121 | 1.86 | 186 | 0.78 | 7.7 | 33.5 | 2 | 1 | 2 | 0.70895554 | 8 | | 10 | |
| Hayes Craig | 26 | H | 262 | 18 | 146 | 1.67 | 201 | 0.8 | 9.5 | 33 | 5 | 1 | 2 | 0.69801164 | 9 | 7 | 11 | 9 |
| Lora Paxton | 4 | D | 294 | 14 | 146 | 1.92 | 218 | 1.03 | 7.8 | 34 | 2 | 1 | 2 | 0.69412411 | 10 | 8 | 12 | 10 |
| Miller Kathy | 30 | D | 245 | 35 | 117 | 1.79 | 179 | 0.81 | 8.3 | 32.5 | 3 | 1 | 2 | 0.69016017 | | | 13 | 11 |
| Reeser Grant | 9 | X | 230 | 24 | 121 | 1.7 | 170 | 0.5 | 6.6 | 34 | 3 | 2 | 2 | 0.68463636 | 11 | | 14 | |
| Eden Levi | 5 | D | 233 | 14 | 132 | 1.66 | 172 | 0.51 | 7.4 | 34 | 2 | 1 | 2 | 0.68284879 | 12 | 9 | 15 | 12 |
| Kempiak Tanner | 14 | D | 277 | 14 | 145 | 1.81 | 198 | 0.76 | 8.1 | 33 | 2 | 2 | 2 | 0.68176234 | 13 | 10 | 16 | 13 |
| Miller Darvin | 32 | D | 237 | 28 | 117 | 1.79 | 176 | 0.79 | 7.2 | 32 | 2 | 4 | 3 | 0.67873641 | | | 17 | 14 |
| Kempiak Easton | 13 | D | 279 | 10 | 145 | 1.86 | 200 | 0.91 | 8 | 34 | 4 | 2 | 2 | 0.67498372 | 14 | 11 | 18 | 15 |
| Wright Delaney | 2 | S | 271 | 18 | 153 | 1.65 | 196 | 0.65 | 9.3 | 32 | 3 | 1 | 2 | 0.66841895 | 15 | 12 | 19 | 16 |
| Phillips Riley | 8 | H | 253 | 14 | 136 | 1.76 | 180 | 0.68 | 7.6 | 35 | 4 | 1 | 2 | 0.66716706 | 16 | 13 | 20 | 17 |
| Rogers Lydia | 27 | D | 253 | 30 | 120 | 1.86 | 180 | 0.8 | 7.1 | 31.5 | 2 | 4 | 2 | 0.6659725 | 17 | 14 | 21 | 18 |
| Reeser Garrett | 24 | D | 233 | 24 | 121 | 1.73 | 170 | 0.82 | 7.3 | 32 | 4 | 2 | 3 | 0.64411388 | 18 | 15 | 22 | 19 |
| Reeser Grant | 23 | D | 228 | 24 | 121 | 1.69 | 170 | 0.9 | 7 | 31.5 | 2 | 2 | 2 | 0.62218678 | 19 | 16 | 23 | 20 |
| Rogers Lydia | 19 | X | 264 | 22 | 136 | 1.78 | 198 | 1.22 | 7.3 | 35 | 3 | 1 | 3 | 0.61055426 | 20 | | 24 | |
| Titus Lakin | 6 | C | 281 | 33 | 136 | 1.82 | 210 | 1.3 | 7.4 | 34 | 2 | 3 | 3 | 0.60710441 | 21 | 17 | 25 | 21 |
| Wright Will | 3 | S | 258 | 20 | 153 | 1.53 | 189 | 0.73 | 7.8 | 34.5 | 4 | 1 | 2 | 0.60077072 | 22 | 18 | 26 | 22 |
| Klockenga Kaleb | 16 | X | 255 | 23 | 141 | 1.65 | 186 | 1.01 | 7.9 | 31.5 | 2 | 1 | 2 | 0.5917627 | 23 | | 27 | |
| Hardin Brayden | 18 | X | 233 | 25 | 136 | 1.53 | 174 | 0.95 | 7.4 | 31.5 | 3 | 1 | 2 | 0.56495441 | 24 | | 28 | |
| Bauer Avery | 1 | D | 262 | 32 | 141 | 1.63 | 189 | 1 | 7 | 32 | 2 | 1 | 2 | 0.55734752 | 25 | 19 | 29 | 23 |
| Qualification not met | | | | | | | | | | | | | | | | | | |
| Link Jack | 11 | D | 228 | 15 | 147 | 1.45 | 155 | 0.48 | 6.8 | 31 | 1 | 1 | 1 | 0.54875456 | | | | |
| Rohrer Lane | 12 | X | 229 | 20 | 149 | 1.4 | 166 | 0.74 | 6.9 | 32 | 3 | 1 | 3 | 0.52549973 | | | | |