Feedlot Information using By-O-reg+ Products

1. **Findings from University Feedlot trials vs negative control**
   a. Increased live performance
   b. Similar G:F as Ionophore
   c. 21% ↓respiratory disease treatments
   d. 5% ↑ F:G, lb
   e. 5% ↑ hot carcass weight
   f. 3% ↑ dressing %
   g. 15% ↑ Quality Grade – Choice %
   h. 6.7% ↑ Ribeye area, in^2
   i. 4.4% ↓ cooking loss, %
   j. 8% ↑ TAC, U/mL
   k. Helps with heat stress

2. **Holstein Steers (Texas):**
   a. 5% ↑ gain, 8% improved F/G, ~3% ↑ yield

3. **Iowa Feedlot:**
   a. F/G on heifers (fed from 600-1300 lbs.) improved from 7:1 to 6:1 (on a dry matter basis)
   b. ↑ Yield ~2-3%
   c. ↓ Treatments for Coccidiosis, foot rot, and pinkeye
   d. ↑ % Grading Prime

4. **SD Dairy Cross Calves up to Market:**
   a. ↑ Yield ~3%
   b. **NO** treatments while on feed
   c. ↑ % Grading Prime (14 of 61 – never before seen)

5. **NW IA Feedlot (Steers fed from ~900-1450 lbs.):**
   a. ↑ ADG ~14% - 40 days sooner to market
   b. 16% better F/G – 11% ↓ feed cost
   c. Vet/Med cost ↓ $3.25/cwt gain
   d. Overall ↓ cost/gain of .134/lb. ($73.70/hd)

6. **Ongoing By-O-reg+ Trial (Steers 900 lbs. to Market):**
   a. To date 10 of 40 control steers treated for pink eye vs 0 of 160 steers on By-O-reg+

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7. **Missouri Feedlot Trial:**
    a. Simmental crossed steers fed from ~940 lbs. to market on a complete pelleted diet

        i. **By-O-reg+ Group:**
            1. 30 lbs/hd heavier at close (live weight)
            2. ↑ F/G by 5%
            3. 34 lbs/hd ↑ carcass weight
            4. 3% ↑ yield
            5. ↑ Grade (100% choice vs 87%)
            6. ↑ Meat quality and 6.7% ribeye

8. **NW IA Feedlot Trial:**
    a. Cattle fed from 900 lbs. to market

        ii. **By-O-reg+ Group (4 g/hd/day):**
            1. 25 days sooner to market
            2. .54 lb/hd/day ↑ ADG
            3. ↑ F/G by 12%
            4. ↓ Vet/Med of $12.50/hd

9. **Midwest Feedlot Trial (4 different on-farm field trials in the Midwest):**
    a. Cattle all bought at different sales barns and commingled
    b. N=592 (live weight avg 1401.75)
    c. Yield (%): 63.69
    d. Quality Grade:
        i. 23.79% Prime
        ii. 41.98% CAB
        iii. 31.45% Choice
    e. Only 66 head did not grade Choice or higher (11%)

*These data come from university studies and on-farm trials.