



RANDOM SAMPLE TEST birds, including chicks from 11 states arrived in Lancaster County Saturday to be raised at the facilities of Miller & Bushong, R1 Washington Boro. There are 2,976 chicks being raised. They will be reared for 150 days and then moved to Harrisburg for the 350 day test. (LF Photo)

Stcers Open Slow, Steady At Baltimore

BALTIMORE, May 5 — CATTLE AND CALVES Fed steers comprised approximately 75 per cent of the supply with the balance mostly cows. Fed heifers were virtually absent from the run. Around 150 head of stockers and feeders arriving last Friday were offered in today's trade. Fed steers opened very slow, but closed moderately active. Trading was uneven with prices steady to mostly 25 cents to 50 cents lower. Heifers were nominally steady. Cows were moderately active and about steady. Bulls were moderately active and 50 cents higher with instances \$1.00 up. Vealers were scarce and moved moderately active at steady prices. Stocker and feeder steers and stock steer calves were active and fully steady. The bulk of 890-1260 lb average good to average choice fed steers sold from \$27.50-\$29.50 with two lots, mostly average choice \$29.65 and \$30.25. One lot high choice 1175 lbs. reached \$31.50 and a few standard and low good sold at \$26.50-\$27.50. A few head and small lots 644-968 lb low good to low choice fed heifers ranged from \$25.00-\$28.00. Utility and commercial cows bulked at \$20.00-\$22.00 with a few at \$22.50 and a few standard \$23.00. Canners and cutters sold largely from \$17.00-\$20.00 with a few light canners at \$15.00-\$17.00. Utility and commercial bulls brought \$21.00-\$25.50 with two individuals at \$26.00. Choice 170-230 lb vealers brought \$32.00-\$35.00 and two head of prime \$35.50-\$36.00, good \$29.00-\$32.00 and a few standard \$25.00-\$29.00. A load of 675 lb choice to fancy stock steers brought \$31.00 and around three loads 516-599 lbs \$28.00-\$31.00. A load of 466 lb mostly good stock steer calves sold at \$31.00 and one lot 473 lb \$30.00. Good clearance all classes.

HOGS Butchers were active and fully 50 cents to mostly 75 cents higher on weights under 240 lbs with weights over 240 lbs about steady. Sows were scarce and sold strong to 25 cents higher. The bulk of the supply was mixed lots of U S No. 1, 2 and 3, 180-240 lb butchers and these sold mostly at \$22.75 with a few small lots down to \$22.50. Around 40 head mainly No. 1, near 200-215 lbs, sorted for weight and grade, \$23.00. About 50 head No. 2 and 3, 240 lb garbage fed butchers

PSU's Electronic Computer Used To Figure Low-cost Broiler Feed

Few people other than feed mill operators know how difficult it is to make a competitive animal feed these days. It is fairly easy to make a feed mixture if you are not concerned with its cost. But, if you are trying to give the farmer the maximum feed value per dollar, you must consider a score or more of materials and calculate the quantities of each to use for each change in price. This is such a difficult problem that its precise solution was impractical until the development of the "electronic brain."

A few of the larger milling companies already employ electronic computers, such as Pennstac, the Penn State robot calculator. Pennstac recently was put to use by R. V. Bucher, Poultry Nutritionist, and R. F. Hutton, Agricultural Economist at the Agricultural Experiment Station, University Park, in solving the problem of making a low-cost broiler feed.

solved by mathematicians working with pencil and paper but this way of getting a solution is so slow that the answer would be out-of-date before it could be obtained. Besides, solving the problem this way is much more expensive than by a computer.

THE LOW-COST broiler feed design devised by Bucher and Hutton had 22 specifications. These specifications provided for balanced amounts of all the factors needed for proper growth of broilers.

Twenty-six ingredients were considered in choosing a formula which demonstrates the method used. Of these, 12 were limited in the quantity used, included were such items as meat scrap, fish meal, dried milk products and tallow. Some requirements, as for vitamins, antibiotics, and minerals, can be met only from one source, thus, ingredients providing these amounts were added in fixed amounts.

In all, 18 items were added to the ration in fixed amounts. The number of ingredients considered can be increased easily. A new formula will usually be indicated for each change in an ingredient price.

THE BIG JOB, these men report, is that of getting the information ready to feed into Pennstac. Results are obtained almost at once. But, every time a trial change is made in the ration, 23 simultaneous equations have to be solved.

Problems of this size have been

sold at \$22.00 and 32 head mostly No. 3 277 lbs at \$21.00. A few mixed No. 1 to 3, 300-400 lb sows \$17.50-\$18.50. SHEEP A 27 head lot of 79 lb mostly choice spring slaughter lambs sold for \$29.00

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Your Egg Washer Tells On You

Yes, take a good look at your egg washer. Do you see it as someone else would see it? Is it nice and bright and clean each evening, filled with fresh clean water, ready to go the next day? Or is it so coated and scummy that you can hardly see what it's made of? You know, when I see an egg washer that looks that way, I soon form my own opinion of the type of poultryman the owner is. And I've seen some that are filthy sights, some that look like they are filled with soup, probably the water hadn't been changed for a week, and then we expect people to eat more eggs. Actually, it takes only a few minutes each day to scrub the washer and change the water when you're finished with it. That is one chore that is never left undone on our farm. How about yours?

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