

sweet potatoes and ground snapped corn and the effect of feeding blackstrap molasses at three levels.

All of the steers were on pasture and all were fed two pounds of cottonseed meal each per day.

When fed with an equal quantity of molasses the sun-dried shredded sweet potatoes were found to be approximately equal in feeding value to the ground snapped corn.

When blackstrap molasses and ground snapped corn were fed in the proportion of 3 to 1, the rate of gain of the cattle was not as high as when equal parts of molasses and ground snapped corn were fed.

Steers taking their molasses from a self-feeder consumed less carbohydrate concentrates and gained less than those having their molasses weighed out daily and mixed with other feed. However, they consumed more grass and made their gains at a lower feed cost per 100 pounds gain.

Of the 119 steers in the three trials, 39 produced "A" grade carcasses, 66 "B" and 14 produced "C" grade carcasses.

The 39 "A" steers made an average daily gain in the feed lot of 1.95 pounds. They lost 7.48 percent en route to market and yielded 61.16 percent.

The 66 "B" steers showed an average daily gain of 1.53 pounds for the 120-day period. They lost 8.67 percent in transit and made a yield of 58.91 percent.

The 14 "C" steers gained only 0.9 pounds each daily, though they had access to the same feed as the others. They showed a 9.93 percent loss in the trip to market and gave a 58.66 percent yield.

Literature Cited

1. KIDDER, R. W. Fattening steers on winter pasture. Fla. Agr. Exp. Sta. Bul. 391. 1943.
2. KIDDER, R. W. A proposed method of measuring pasture yields with grazing cattle. Jour. An. Sci. Vol. 5, No. 2. 1946.
3. KIDDER, R. W., and W. G. KIRK. Cattle feeding in southern Florida. Fla. Agr. Exp. Sta. Bul. 360. 1941.
4. LEWIS, L. H. Beef cattle in Florida, page 96. Fla. Dept. of Agr. Bul. 28. 1944.
5. MORRISON, F. B. Feeds and Feeding, 20th edition. The Morrison Publishing Co. 1945.
6. SEATH, D. M., L. L. RUSOFF, G. D. MILLER and CECIL BRANTON. Utilizing sweet potatoes as a feed for dairy cattle. La. Agr. Exp. Sta. Bul. 423. 1947.