

of ground snapped corn; fresh grapefruit; and fresh grapefruit plus two pounds of ground snapped corn. In each trial all animals received the same amount of hay and cottonseed meal but the amount varied for the three trials.

All rations were palatable and there was little difficulty in keeping the steers on full feed. The animals were sleek and glossy and appeared healthy in every respect.

The lot fed ground snapped corn made an average daily gain of 2.37 pounds, requiring 539 pounds total digestible nutrients. At the current price of corn this was the most expensive ration.

Dried citrus pulp in two trials produced gains of 2.17 pounds a day and required 466 pounds total digestible nutrients for 100 pounds gain.

The steers fed dried citrus pulp and two pounds of ground snapped corn made daily gains of 2.53 pounds with a total digestible nutrient requirement of 484 pounds.

Fresh grapefruit was eaten readily. The daily gains on this ration were 1.98 pounds, and with the addition of two pounds of ground snapped corn they were increased to 2.15 pounds. The total digestible nutrient requirement was 456 and 457 pounds, respectively.

### **Recommendations**

Grade steers of good feeder conformation and quiet disposition weighing from 550 to 700 pounds can be fattened satisfactorily on a ration of hay, cottonseed meal, mineral mixture and either dried citrus pulp or fresh grapefruit. The citrus feeds furnish energy nutrients, hay supplies bulk, cottonseed meal protein balance, and the mineral mixture elements essential for the animal body.

Feed cattle in groups; from 10 to 20 in dry lot where they are to be fed twice daily, and in larger numbers on pasture where self-fed. Unruly cattle should be removed and all sharp horns tipped.

Good gains can be secured on an average daily ration of:

Five to seven pounds of hay  
Three pounds cottonseed meal  
Eight to nine pounds dried citrus pulp or  
40 to 50 pounds fresh grapefruit

At the beginning of the feeding period use more hay and less of the citrus feeds. Gradually decrease hay and increase citrus until the cattle are on full feed.