

Shelled corn may produce slightly higher gains and may be more desirable for cattle carried to a high market finish. A bushel of snapped corn weighing 80 pounds will shell only 56 pounds of grain.<sup>1</sup> The 24 pounds of cob and shuck contains about 9.5 pounds of digestible matter which would be discarded if the corn were shelled (17)<sup>2</sup>. Ground snapped corn is easier to feed than either shelled corn or corn meal, because of the bulk provided by the cob and shuck. Cattle can be gotten on feed more quickly on ground snapped corn and are less likely to go off feed or founder.

If a cattle feeder purchases corn he can afford to pay approximately 22 percent more per ton for shelled corn than for snapped corn. As has been stated, a bushel of snapped corn weighs more and is consequently worth more than a bushel of shelled corn. However, a ton of snapped corn has only about 82 percent as much feed value as a ton of shelled corn (17). Ground snapped corn would probably be worth somewhat more than the 82 percent figure during the first part of the fattening period and somewhat less toward the end. Similarly, ground snapped corn would have a relatively higher value for older cattle than for calves, because older cattle utilize bulky feed more efficiently.

**Citrus By-Products.**—According to the State Marketing Bureau, approximately 69,000 tons citrus molasses and 163,000 tons citrus pulp—by-products of the citrus industry—were produced in Florida in 1950-1951.

Citrus molasses can be used to replace part of the corn in steer fattening rations. Feeding trials at the North Florida Experiment Station have shown that citrus molasses can be satisfactorily used to replace one-half of the ground snapped corn in a ration of snapped corn, cottonseed meal and peanut hay. In these trials molasses was worth 80 to 100 percent as much per ton as ground snapped corn (3, 5).

Citrus molasses stimulates the appetite, and steers fed molasses are easier to keep on feed. Molasses contains less protein than corn; consequently, slightly more protein supplement is required when molasses is used to replace corn. Experimental work indicates that molasses produces less satisfactory results if used to replace more than one-half of the corn<sup>3</sup> (17).

---

<sup>1</sup> The commonly accepted bushel of snapped corn is not a measured bushel but rather the quantity of snapped corn required to shell a 56-pound bushel of shelled corn.

<sup>2</sup> Italic figures in parentheses refer to Literature Cited.

<sup>3</sup> Kirk, W. G. Personal communication, 1949.