

Condensed Distiller's Solubles. To produce CDS, thin stillage is frequently evaporated to approximately 70% moisture. Condensed distiller's solubles provide additional protein and energy and add moisture to condition diets. Experiments at SDSU suggest that the addition of CDS up to 10% of the diet dry matter improves average daily gain and efficiency of gain. Based on a 10% inclusion, a 700-lb steer consuming 18 lb of dry matter per day would get 1.8 lb dry matter from CDS, or 6 lb of CDS on an as-fed basis (Table 2). A 1000-lb steer would be fed 8 lb, and a 1300-lb cow would get less than 9 lb of CDS as fed.

One note of caution: CDS may contain up to 15% fat depending on the source, and beef cattle diets containing more than 6% fat may depress fiber intake and digestion. When CDS is added at over 20% of the diet dry matter to diets that contain feedstuffs already containing 3% fat (such as early bloom alfalfa and corn grain), the dietary fat percentage can become greater than 6% ($20\% \times 15\% = 3\%$; $80\% \times 3\% = 2.4\%$; $3\% + 2.4\% = 5.4\% < 6\%$).

From: **Feeding Corn Distiller's Co-Products
to Beef Cattle**

Kent Tjardes and Cody Wright

Extension beef specialists

COLLEGE OF AGRICULTURE & BIOLOGICAL SCIENCES / SOUTH DAKOTA

STATE UNIVERSITY / USDA