## Supplement Use Guidelines for Beef by Stage of Production



| Supplement - Supplies  | Stockers, 400 - 800 lbs.  | Finishing   | Breeding Cattle   |
|--|---|---|---|
| Corn - <i>energy</i> ; ground, cracked<br>or whole; TDN:CP = 8.9   | .255% body weight; 1 -<br>1.5% body weight; <b>see #1</b><br><b>below</b>                 | A primary feedstuff - not<br>considered a supplement  | .255% body weight; 1 -<br>1.5% body weight; <b>see #1</b><br><b>below</b> |
| Grain Shorgum - <i>energy</i> ;<br>ground; TDN:CP = 8.3 - 11.03  | .255% body weight; 1 -<br>1.5% body weight; <b>see #1</b><br><b>below</b>                 | A primary feedstuff - not<br>considered a supplement  | .255% body weight; 1 -<br>1.5% body weight; <b>see #1</b><br><b>below</b> |
| Whole soybeans - protein,<br>energy, fat; TDN:CP = 2.3   | 5 - 10% of ration dry<br>matter recommended - do<br>not use with urea                     | Max. 24% of ration dry<br>matter - do not use with<br>urea  | Max. 24% of ration dry<br>matter - do not use with<br>urea                |
| Corn gluten feed - <i>protein,</i><br>energy; see #2 below; TDN:CP<br>= 3.2  | Up to 1% body weight or<br>60% ration dry matter  | Replace Up to 70% of grain  | Up to 60% ration dry matter   |
| Soyhulls - energy, limited<br>protein; TDN:CP = 5.3  | Up to 1% body weight or<br>40% ration dry matter  | 25 - 50% ration dry matter -<br>can reduce diet energy<br>level                                   | Up to 40% ration dry<br>matter - do not exceed 12<br>lbs./d               |
| Distillers dried grains - protein,<br>rumen by-pass protein, energy;<br>see #3 below; TDN:CP = 3.5   | Up to 1% body weight or<br>40% ration dry matter  | Protein supplement - 6 -<br>15% diet dry matter;<br>energy replacment - Up to<br>40% corn or milo | Up to 40% ration dry<br>matter - do not exceed 12<br>lbs./d               |
| Soybean Meal - <i>protein</i> ;<br>TDN:CP 1.6  | Up to .6% bodyweight  | Up to .6% bodyweight  | Up to .6% bodyweight  |
| <b>#1 -</b> Low quality forages (<7% (<br>At the higher levels of use, it is<br>feeds (corn, grain sorghum, wh<br>fuction suffer - animal performa | CP) will require protein su<br>viewed as substitution, no<br>eat) at the rates of .6 to 1 | pplentation along with the<br>ot supplementation. Avoid<br>% of body weight - forage              | corn and grain sorghum.<br>using starch based                             |
| <b>#2 -</b> If the sulpher level of the car<br>of the diet drymatter. Feeding of<br>protein supplement, best perfor                                | diets with a high percentag   | ge of CGF becomes feed/   | forage substitution. As a   |
| <b>#3 -</b> Feeding diets with high lev best performance should occur  |   | -   |   |

**Note -** Supplementation decesions should be based on price per unit for the nutrient needed. Ifadditonal protien is needed, compare supplements on a cost per unit of protein. If energy is needed, compare on a cost per unit of NEm, NEg, or TDN.