Supplement Use Guidelines for Beef by Stage of Production



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